

**GROUND-WATER BASIC DATA**  
**for**  
**RANSOM AND SARGENT COUNTIES**  
**NORTH DAKOTA**

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COUNTY GROUND-WATER STUDIES 31 — PART II  
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SELECTED FACTORS FOR CONVERTING  
INCH-POUND UNITS TO THE INTERNATIONAL SYSTEM (SI)  
OF METRIC UNITS

A dual system of measurements--inch-pound units and the International System (SI) of metric units--is given in this report. SI is an organized system of units adopted by the 11th General Conference of Weights and Measures in 1960. Selected factors for converting inch-pound units to SI units are given below.

<u>Multiply inch-pound unit</u>	<u>By</u>	<u>To obtain SI unit</u>
Acre	0.4047	hectare (ha)
Foot (ft)	.3048	meter (m)
Inch (in)	25.4	millimeter (mm)

GROUND-WATER DATA  
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INTRODUCTION

The investigation of the geology and occurrence of ground water in Ransom and Sargent Counties (fig. 1) was made cooperatively by the U.S. Geological Survey, North Dakota State Water Commission, North Dakota Geological Survey, Ransom County Water Management District, and Sargent County Water Management District. The results of the investigation will be published in three separate parts. Part I is an interpretive report describing the geology of the study area. Part II, a compilation of the ground-water data, makes available geologic and hydrologic data collected during the investigation and functions as a reference for the other reports. Part III is an interpretive report describing the ground-water resources.

Purpose

The purpose of the investigation was to determine the availability and quality of ground water for municipal, domestic, industrial, and irrigation uses. Specifically, the objectives were to: (1) determine the location, extent, and nature of the major aquifers; (2) evaluate the occurrence and movement of ground water, including the sources of recharge and discharge; (3) estimate the quantities of water stored in the aquifers; (4) estimate the potential yields of wells tapping the major aquifers; (5) determine the chemical quality of the ground water; and (6) estimate the water use.

Location-Numbering System

The location-numbering system used in this report is based on the public land classification system used by the U.S. Bureau of Land Management. The system is illustrated in figure 2. The first numeral



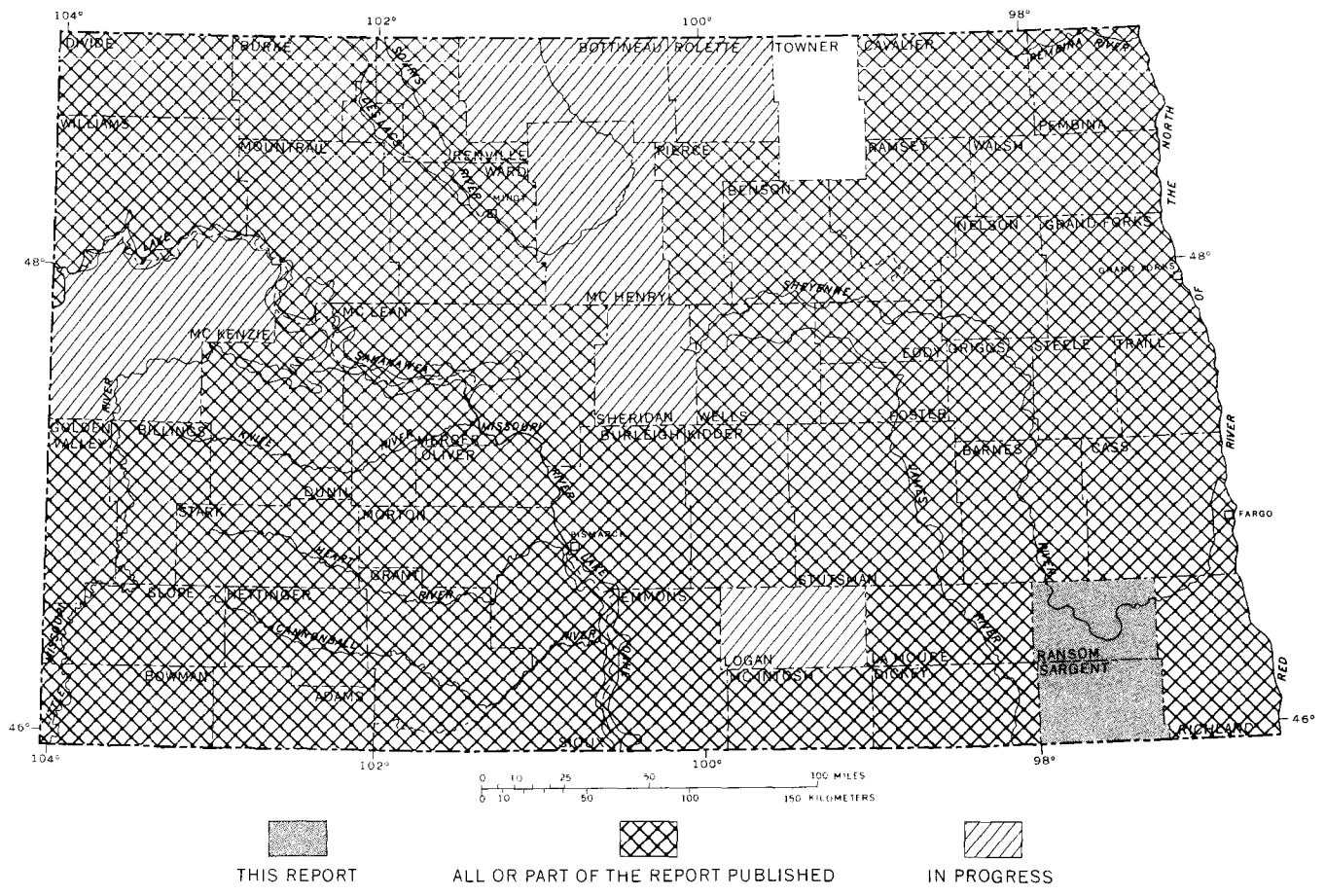


FIGURE 1.—County ground-water studies in North Dakota.

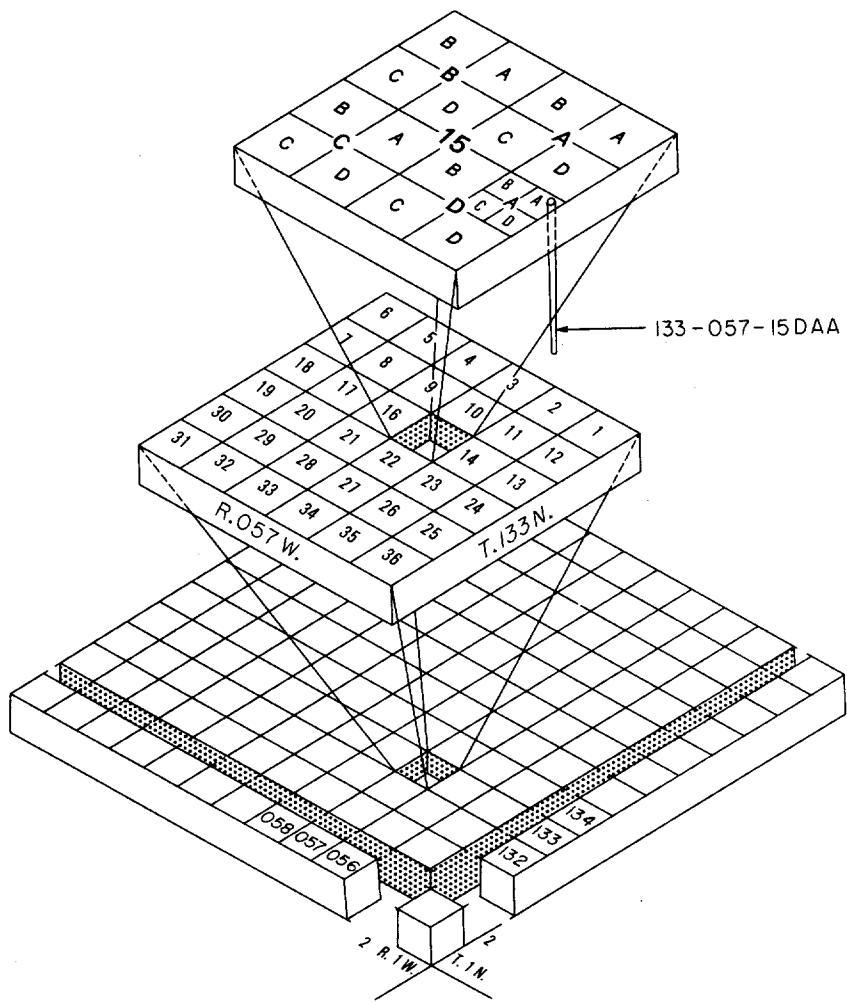
denotes the township north of a base line, the second numeral denotes the range west of the fifth principal meridian, and the third numeral denotes the section in which the well is located. The letters A, B, C, and D designate, respectively, the northeast, northwest, southwest, and southeast quarter section, quarter-quarter section, and quarter-quarter-quarter section (10-acre or 4-ha tract). For example, well 133-057-15DAA is in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, T. 133 N., R. 57 W. Consecutive terminal numerals are added if more than one well or test hole is recorded within a 10-acre (4-ha) tract. The location of each well and test hole in the tables is shown on plate 1 (in pocket).

#### Acknowledgments

The author is indebted to the residents and officials of Ransom and Sargent Counties who furnished information on wells and permitted water-level measurements and the collection of water samples. Particular recognition is due to the following North Dakota State Water Commission personnel: M. V. Glaze, L. D. Smith, Jr., G. L. Sunderland, and R. L. Cline for logging of test holes, G. O. Muri for chemical analyses of water samples; and M. O. Lindvig for scheduling of drilling activities. Thanks are due to the various well drillers and drilling companies that furnished drillers' logs and other information in this report.

#### EXPLANATION OF TABLES AND METHODS OF DATA COLLECTION

The data in this report, which were collected chiefly between 1974 and 1977, are listed in tables 1-5. The points of collection are shown on plate 1. The data consist of the following: (1) Geologic and hydrologic records for 1,279 wells and test holes; (2) water-level measurements in 182 observation wells; (3) lithologic and geophysical logs of 1,108 test holes and wells; (4) chemical analyses of 408 ground-water samples; and (5) chemical analyses of ground water for trace elements from 8 wells. The data may be used in evaluating geologic and ground-water conditions in Ransom and Sargent Counties. For example, a person considering the construction of a new well can locate the proposed site on plate 1. Depths, water quality, lithologies, and



**FIGURE 2.—Location-numbering system.**

water levels of nearby wells and test holes tapping the different aquifers can be determined from the tables. However, use of the data as a guide to conditions at different sites should be made with caution because of the lenticular character of the water-bearing rocks and varying water quality in some aquifers.

#### Records of Wells and Test Holes

Records of selected wells and test holes are listed in table 1. Well depth is the depth of casing for open-bottom wells or the base of the well screen. Many test holes drilled by the North Dakota State Water Commission were converted to observation wells for periodic water-level measurements and water-quality sampling. At some sites two or three observation wells were drilled in order to obtain water levels and water samples from several aquifers. The North Dakota State Water Commission observation wells were constructed of 1½-inch (32-mm) plastic casing with 3- or 6-foot (1- or 2-m) screens or 4- or 6-inch (102- or 152-mm) plastic casing with 5-foot (1.5-m) screens. The observation wells were developed by backwashing and were pumped a minimum of 8 hours for development before collection of water samples for analysis. The U.S. Bureau of Reclamation observation wells generally were constructed of slotted 3-inch (76-mm) downspout and were not developed.

#### Water Levels in Selected Wells

Table 2 lists the monthly and intermittent water levels in selected wells, in feet below or (+) above land surface, that tap the major aquifers in Ransom and Sargent Counties. Prior to 1975 water-level measurements were made in a few wells in Ransom and Sargent counties as part of the statewide observation-well network. Water levels were also measured as part of the proposed Kindred Dam investigation (Downey and Paulson, 1974). However, the water-level measurements made as part of this investigation began in early 1975 and extended through December 1977. Some measurements made by U.S. Bureau of Reclamation personnel from January 1967 through June 1975 are also included. Measurements will continue to be made in several wells as part of the statewide

observation-well network to monitor changes in water levels as the ground-water resources of the area are developed.

#### Logs of Wells and Test Holes

Logs collected from water-well drillers and other sources and logs of test holes drilled as part of this project are included in table 3. Minor changes in word order have been made on some of the drillers' logs; however, geologic interpretations shown on commercial and private well logs are those of the drillers. Logs from North Dakota State Water Commission test holes drilled prior to this investigation have numbers lower than NDSWC 4834 or numbers between 8467 and 8475 (Downey and Paulson, 1974). Logs of test holes drilled as part of this project are numbered between 4834 and 4895 or higher than 9106. Most test holes drilled during this project and some municipal and industrial wells have geophysical logs in addition to a description of the materials penetrated. The geophysical logs are extremely useful for geologic correlation purposes. Grain-size determinations refer to the Wentworth (1922) size scale. The color descriptions were determined by comparing fresh samples with the Geological Society of America's rock color chart (1963).

#### Water Quality

The mineral constituents and physical properties of water are reported in the tables of analyses (tables 4 and 5). Water for samples was secured from privately owned wells by using the existing pumps and from the North Dakota State Water Commission observation wells by airlift. Generally enough water was pumped to clear the well column and plumbing, then the sample was collected in a polyethylene bottle. For those metals considered unstable, a separate sample was filtered and acidified before transport to the laboratory. Most of the samples were analyzed by the North Dakota State Water Commission, Bismarck, N. Dak. A few samples from city wells were analyzed by the U.S. Geological Survey, Lakewood, Colo. Methods of analyses were generally those described by Brown and others (1970). The results are expressed in milligrams per liter (mg/L) or micrograms per liter (ug/L). A microgram per liter is one-thousandth of a milligram per liter.

Drinking-water standards were established by the National Academy of Sciences-National Academy of Engineering (1972) at the request of the Environmental Protection Agency and are generally accepted as applicable to public water supplies. These standards include the following recommended limits: iron (Fe), 300 ug/L; manganese (Mn), 50 ug/L; sulfate (SO<sub>4</sub>), 250 mg/L; and chloride (Cl), 250 mg/L.

The following summation for farmstead use is modified from the Federal Water Pollution Control Administration (1968, p. 116).

KEY WATER QUALITY CRITERIA FOR FARMSTEAD USES

<u>Characteristic</u>	<u>General farmstead uses</u>	<u>Additional special-use requirements</u>
Taste and odor-----	Substantially free-----	
Color-----	Substantially free-----	
pH-----	6.0 to 8.5-----	6.8 to 8.5 dairy sanitation
Total dissolved inorganic solids-	500 mg/L (under certain circumstances, higher levels are acceptable)-----	
Turbidity-----	Substantially free-----	
Hazardous trace elements-----	Levels in excess of those shown are grounds for rejection of a supply:	
	Substances	
	Arsenic (ug/L)----- <sup>1</sup> 50	
	Barium (ug/L)----- <sup>1</sup> 1000	
	Cadmium (ug/L)----- <sup>1</sup> 10	
	Chromium (ug/L)----- <sup>1</sup> 50	
	Cyanides (mg/L)-----0.2	
	Lead (ug/L)----- <sup>1</sup> 50	
	Selenium (ug/L)----- <sup>1</sup> 10	
	Silver (ug/L)----- <sup>1</sup> 50	
Other trace elements-----	Levels shown below should not be exceeded if alternate sources are available:	
	Substances	
	Manganese (ug/L)-----50	In dairy sanitation, water
	Iron (ug/L)-----300	should contain <20 mg/L
	Copper (ug/L)-----1000	potassium and <0.1 mg/L
	Zinc (ug/L)-----5000	iron and copper.
	Fluoride (mg/L)--0.7-1.2 ( <sup>1</sup> 2.4)	
	Nitrate (as N) (mg/L)---- <sup>1</sup> 10	

<sup>1</sup>Maximum permitted levels of inorganic chemicals in public water systems of North Dakota; set by the North Dakota State Department of Health (1977).

## Mineral Constituents in Solution

### Silica ( $\text{SiO}_2$ )

Weathering processes dissolve silica from practically all rocks. Silica affects the usefulness of water because it can contribute to the formation of scale in pipes, water heaters, and boilers in the presence of calcium and magnesium.

### Iron (Fe)

Iron is a widespread constituent in rocks and is easily leached by ground water under reducing conditions or in acidic water. Water containing more than 300 ug/L of iron, after exposure to air, may become discolored. Reddish-brown stains on porcelain or enamelware and fixtures and on fabrics washed in the water result from the iron-imparted turbidity.

### Manganese (Mn)

Manganese in concentrations as low as 200 ug/L may cause a dark-brown or black stain on fabrics and porcelain fixtures. Ground water that contains high concentrations of iron may also have considerable amounts of manganese.

### Calcium and Magnesium (Ca and Mg)

Limestone and similar rocks are the principal source of calcium and magnesium in natural water. Calcium and magnesium cause water hardness and, with anions, can form scale on utensils and in water heaters, boilers, and pipes.

### Sodium and Potassium (Na and K)

Sodium and potassium are present in many igneous and sedimentary rocks. Sodium dissolves readily and when brought into solution it tends to remain in solution. Potassium is dissolved with greater difficulty and exhibits a stronger tendency to be reincorporated into solid weathering products, especially clay minerals. In most natural water the concentration of potassium is much lower than the concentration of sodium. Water that contains a large proportion of sodium salts

may be unsatisfactory for irrigation on certain types of poorly drained soils. The presence of several hundred milligrams per liter of sodium in water can make it unsuitable for use in sodium-restricted diets (North Dakota State Department of Health, 1962).

#### Bicarbonate and Carbonate ( $\text{HCO}_3$ and $\text{CO}_3$ )

Bicarbonate and carbonate ions are the major cause of alkalinity in most water. The significance of alkalinity to the domestic, agricultural, and industrial user is usually dependent upon the nature of the cations (Ca, Mg, Na, and K) associated with it. However, moderate amounts of alkalinity do not adversely affect most uses.

Alkalinity can be calculated from the analyses by using the formula:

$$\text{Alkalinity (As CaCO}_3) = 0.82(\text{HCO}_3) + 1.67(\text{CO}_3)$$

#### Sulfate ( $\text{SO}_4$ )

Metallic sulfide minerals in both sedimentary and igneous rocks, upon weathering or with bacterial action, are converted to sulfates. Sulfate may also be dissolved from beds of gypsum and deposits of sodium sulfate.

#### Chloride (Cl)

Chloride is present in all natural waters, but the concentrations usually are low. Important sources of chloride are sedimentary rocks that were deposited under marine conditions.

#### Fluoride (F)

Fluoride in the ground water is probably derived from solution of fluorite, apatite, and hornblende minerals.

#### Nitrate ( $\text{NO}_3$ ) as Nitrogen (N)

The occurrence of high nitrate concentrations in shallow ground water has been attributed to leaching in feedlots or to fertilizer from irrigated fields where nitrogen compounds have been applied. High nitrate content is undesirable in drinking water because of its bitter taste and it has been reported to cause methemoglobinemia in infants (Comly, 1945).



## Boron (B)

Boron is a constituent of the mineral tourmaline and may be present in biotite and amphiboles. In small quantities boron is essential for plant growth. Excessive concentrations in soil and in irrigation water are harmful for some plants.

## Dissolved solids

The concentration of dissolved solids is calculated from the weight of residue on evaporation at 180°C from a known quantity of water.

## Properties and Characteristics of Water

### Hardness

Calcium and magnesium are the principal cause of hardness. Hardness exhibits the characteristic of requiring greater quantities of soap to produce a lather as the hardness increases. Hard water also can contribute to the formation of scale in boilers, water heaters, radiators, and pipes, with a resultant decrease in the rate of water flow and(or) heat transfer.

The hardness that is equivalent to the alkalinity is called carbonate hardness, and any excess is called noncarbonate hardness. The carbonate hardness is the quantity that will contribute scale on heating and the noncarbonate hardness is the quantity of hardness that will remain after precipitation of the carbonate hardness. As a general reference, the U.S. Geological Survey often uses the following classification of water hardness.

<u>Calcium and magnesium hardness, as CaCO<sub>3</sub> (milligrams per liter)</u>	<u>Hardness description</u>
0-60	Soft
61-120	Moderately hard
121-180	Hard
More than 180	Very hard

### Percent sodium and sodium-adsorption ratio (SAR)

The percent sodium is the percentage of sodium to all cations, with the cations in milliequivalents per liter. The displacement of

calcium and magnesium by sodium in soils is slight unless the percent sodium is considerably higher than 50.

The term SAR (sodium-adsorption ratio) was introduced by the U.S. Salinity Laboratory Staff (1954). Their experiments show that the SAR relates to the degree water enters into cation-exchange reactions with soil. Sodium-adsorption ratio is expressed by the equation:

$$\text{SAR} = \frac{\text{Na}^+}{\frac{\text{Ca}^{++} + \text{Mg}^{++}}{2}}$$

where the concentrations of the ions are expressed in milliequivalents per liter. The U.S. Salinity Laboratory Staff (1954) divided water into 16 classes, depending upon the SAR and specific conductance. The classifications indicate the usefulness of water for irrigation of different crops on different types of soil.

Specific conductance (micromhos per centimeter at 25°C)

Specific conductance is a measure of the ability of water to conduct an electric current. Approximately 0.65 to 0.70 of the specific conductance (in micromhos) is an estimate of the amount of dissolved solids (in milligrams per liter) in water.

Hydrogen-ion concentration (pH)

Hydrogen-ion concentration (activity) is expressed in terms of pH units. The values of pH often are used as one measure of the solvent power of water.

The hydrogen-ion concentrations affect the corrosiveness of water. A pH of 7.0 indicates that the water is neutral, neither acidic nor basic. Readings progressively lower than 7.0 denote increasing acidity, and those progressively higher than 7.0 denote increasing alkalinity.

Temperature

Temperature is an important factor in evaluating the usefulness of water. This is evident for such a direct use as an industrial coolant. Temperature is also important, but perhaps not so evident, for its influence upon concentrations of dissolved gases and mineral matter in water. Water temperatures given in tables 1 and 4 are expressed in

degrees Celsius (Centigrade). Degrees Celsius and the equivalent temperature in degrees Fahrenheit are given in the following table.

Degrees Celsius (°C)	Degrees Fahrenheit (°F)	Degrees Celsius (°C)	Degrees Fahrenheit (°F)	Degrees Celsius (°C)	Degrees Fahrenheit (°F)
3.5	38	12.5	54	21.5	71
4.0	39	13.0	55	22.0	72
4.5	40	13.5	56	22.5	72
5.0	41	14.0	57	23.0	73
5.5	42	14.5	58	23.5	74
6.0	43	15.0	59	24.0	75
6.5	44	15.5	60	24.5	76
7.0	45	16.0	61	25.0	77
7.5	45	16.5	62	25.5	78
8.0	46	17.0	63	26.0	79
8.5	47	17.5	63	26.5	80
9.0	48	18.0	64	27.0	81
9.5	49	18.5	65	27.5	81
10.0	50	19.0	66	28.0	82
10.5	51	19.5	67	28.5	83
11.0	52	20.0	68	29.0	84
11.5	53	20.5	69	29.5	85
12.0	54	21.0	70	30.0	86

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TABLE 1.--Records of wells and test holes

<u>Owner</u>	<u>Specific conductance</u>
NDSWC 9248, North Dakota State Water Commission, test hole number 9248	Value shown is the field specific conductance measured at the well at the time of inventory.
USBR Oakes-52, United States Bureau of Reclamation, test hole number Oakes-52	
	<u>Altitude of land surface (feet)</u>
<u>Water level (feet)</u>	National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.
Water level, in feet below or (+) above land surface	
F, flowing P, pumping S, nearby pumping	
<u>Use of water</u>	
C, commercial H, domestic I, irrigation P, public supply S, stock T, institution U, unused	
<u>Principal aquifer</u>	
111, Holocene 112, Pleistocene 211, Upper Cretaceous 217, Lower Cretaceous	
ALVM, alluvium BDVL, buried valley deposits BGFV, buried glaciofluvial deposits BRMP, Brampton aquifer DKOT, Dakota Sandstone EGLV, Englevale aquifer ELOT, Elliott aquifer LCSR, lacustrine deposits MLCL, Milnor Channel aquifer NBRR, Niobrara Formation OKES, Oakes aquifer SDPR, Sand Prairie aquifer SNDL, Sheyenne Delta aquifer SPRD, Spiritwood aquifer	



LOCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAM- ETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (UMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
129-056-150AA	KLEFSTAD, HARLAN	220	220	200	4	06/14/1973	27.00	06/14/1973	S,M	112SPND	1330	--	--
129-056-170BB	NUSMC 9237	240	201	198	1.25	11/26/1974	5.17	01/23/1975	U	112BRMP	860	8.0	1280
129-056-27ACC	CHESLEY, MAXINE	121	121	111	4	11/26/1975	37.00	11/26/1975	S,M	112SPND	1330	7.0	--
129-056-280CC	NUSMC 9238	220	131	128	1.25	11/26/1974	10.83	01/23/1975	U	112BRMP	1470	8.0	1278
129-056-290BB	DAHL, ALFRED	163	163	157	2	11/17/1975	27.00	11/17/1975	H	112SPND	1650	6.5	--
129-056-300DD	DAHL, ALFRED	--	950	--	2	1921	--	--	U	2170KUT	5000	8.0	--
129-057-040BA	JARRETT, KAY	960	980	875	2	05/11/1973	1.00	05/11/1973	S	2170KUT	1620	--	--
129-057-07AAC1	NUSMC 9991	200	153	150	1.25	10/04/1977	11.11	10/21/1977	U	112BRMP	1700	8.5	1295
129-057-07AAC2	NUSMC 9991A	40	22	16	1.25	10/04/1977	2.95	10/21/1977	U	112BRMP	650	9.5	1295
129-057-07AAC3	NUSMC 9996	69	69	66	1.25	10/05/1977	8.33	10/21/1977	U	112LCSR	--	--	1295
129-057-07AAC4	NUSMC 9997	109	104	106	1.25	10/07/1977	11.17	10/21/1977	U	112LCSR	--	--	1295
129-057-07AAC5	NUSMC 9992	200	148	145	1.25	10/05/1977	14.63	10/21/1977	U	112BRMP	1300	8.5	1300
129-057-07AAC6	NUSMC 9992A	30	22	19	1.25	10/05/1977	5.84	10/21/1977	U	112BRMP	640	9.0	1300
129-057-07AAD1	NUSMC 9993	200	161	158	1.25	10/05/1977	16.39	10/21/1977	U	112BRMP	1800	9.0	1300
129-057-07AAD2	NUSMC 9994	200	174	171	1.25	10/05/1977	14.22	10/21/1977	--	112BRMP	1800	9.0	1300
129-057-07ACA1	NUSMC 9990	200	137	134	1.25	10/04/1977	12.73	10/21/1977	U	112BRMP	1300	8.5	1295
129-057-07ACA2	NUSMC 9995	40	23	20	1.25	10/05/1977	4.11	10/21/1977	U	112BRMP	640	9.0	1300
129-057-07ACA3	HEIMBUCK, TUM	166	--	--	--	05/18/1975	--	--	U	--	--	--	--
129-057-07ACA4	HEIMBUCK, TUM	153	153	113	16	08/18/1975	1.00	08/18/1975	I	112BRMP	1210	9.5	--
129-057-070BB	USBN WAKES-52	221	--	--	--	03/11/1952	11.80	03/12/1952	U	--	--	--	1298
129-057-080AA	USBN WAKES-53	174	--	--	--	05/19/1952	--	--	U	--	--	--	--
129-057-080CC1	NUSMC 9232	160	161	158	1.25	11/22/1974	14.25	01/23/1975	U	112BRMP	1890	9.0	1303
129-057-080CC2	NUSMC 9232A	60	41	38	1.25	11/22/1974	8.11	01/23/1975	U	112BRMP	431	8.0	1303
129-057-090BB	USBN W-50	20	20	--	3	12/06/1966	9.60	02/11/1975	U	--	--	--	1308
129-057-100CC	NUSMC 9231	220	181	178	1.25	11/22/1974	23.53	01/23/1975	U	112BRMP	1450	9.0	1307
129-057-110BB	RUST BRUS	166	166	156	4	10/13/1975	25.00	10/13/1975	S,M	112SPND	775	--	--
129-057-120CB	FARNEKS EL	188	188	180	2	06/25/1975	20.00	06/25/1975	H	112SPND	1075	--	--
129-057-120CC	BISHUFF, DENNIS	170	170	165	1.25	06/05/1975	18.00	06/05/1975	H	112SPND	725	--	--
129-057-14AAA1	NUSMC 9230	215	181	178	1.25	11/21/1974	6.75	01/23/1975	U	112BRMP	980	8.5	1287
129-057-14AAA2	USBN W-69	20	20	--	3	12/14/1966	10.80	02/13/1975	U	--	--	--	1291
129-057-140BB	USBN W-77	20	20	--	3	12/15/1966	13.50	02/11/1975	U	--	--	--	1312
129-057-140CC	JARRETT, KAY	974	974	833	2	04/13/1973	--	04/13/1973	S	2170KUT	3900	--	--
129-057-150BB	USBN W-90	60	60	--	3	03/02/1967	10.60	02/11/1975	U	--	--	--	1310
129-057-18ACA	HEIMBUCK, TUM	155	--	--	--	05/18/1975	--	--	U	--	--	--	--
129-057-18ADB	HEIMBUCK, TUM	156	156	121	16	10/27/1975	2.00	10/27/1975	I	112SPND	--	--	--
129-057-180CC	NUSMC 9233	180	--	--	--	11/25/1974	--	--	U	--	--	--	1292
129-057-200BB	USBN W-60	20	17	--	3	12/08/1966	9.20	06/06/1975	U	--	--	--	1304
129-057-220DB	JARRETT, RONALD	1043	1043	854	2	10/17/1976	3.00	10/17/1976	H	2170KUT	--	--	--
129-057-240CC	USBN W-71	20	20	--	3	12/14/1966	10.80	02/13/1975	U	--	--	--	--
129-057-25ABU	BISHUFF, GEORGE	173	173	165	4	04/18/1973	50.00	04/18/1973	S	1120GFV	1300	--	--



LOCAL NUMBER	OWNER	DEPTH UNKILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAMETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (UMMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
129-057-300CC	THOMPSON, DEWEY	--	1400	--	--	1953	--	--	S,H	2170KUT	3600	13.5	--
129-057-300C01	THOMPSON, DEWEY	30	30	21	2	07/16/1976	6.00	07/16/1976	S	112LCSR	--	--	--
129-057-300C02	THOMPSON, DEWEY	40	30	21	4	07/16/1976	6.00	07/16/1976	H	112LCSR	--	--	--
129-057-300DU	USBR W-58	20	15	--	3	12/08/1966	9.40	02/13/1975	U	--	--	--	1301
129-057-34AAA	NUSAC 9998	200	171	168	1.25	10/06/1977	--	--	U	112BRMP	1300	9.0	1303
129-057-340AA	FURMAN, AKT	--	190	125	2	1940	--	--	S,H	112BRMP	1000	8.0	--
129-057-36CCC	USBR W-73	20	20	--	3	12/15/1966	14.20	02/13/1975	U	--	--	--	1290
129-058-010CC1	THOMPSON, ELMER	125	125	120	4	10/04/1973	7.00	10/04/1973	S	112SPRD	1250	--	--
129-058-010CC2	NUSAC 9989	180	--	--	--	10/04/1977	--	--	U	--	--	--	1295
129-058-03AB8	LAMPKUT, CLANK	--	130	--	--	1950	--	--	S,H	112BGFV	770	6.0	--
129-058-040CC	USBR JAKES-67	191	--	--	--	06/23/1953	18.70	06/23/1953	--	--	--	--	1380
129-058-05CCC	USBR 77	--	9	4	3	1966	9.00	09/ /1973	U	--	--	--	1314
129-058-06AAA1	NUSAC 9619	180	--	--	--	07/01/1976	--	--	U	--	--	--	1313
129-058-06AAA2	NUSAC 9619A	80	57	52	6	07/01/1976	10.97	10/05/1976	U	112UKES	520	8.8	1313
129-058-06BAD1	HANSON, LARRY	120	--	--	--	09/18/1974	5.00	09/18/1974	U	--	--	--	--
129-058-06BAD2	HANSON, LARRY	160	158	152	12	01/24/1975	8.00	01/24/1975	I	112UKES	500	--	1309
129-058-068881	USBR 69	--	10	4	3	1950	6.00	09/ /1953	U	--	--	--	--
129-058-068882	HANSON, LARRY	120	--	--	--	01/23/1975	--	--	U	--	--	--	--
129-058-06888	HANSON, LARRY	124	--	--	--	01/23/1975	--	--	U	--	--	--	--
129-058-06C8C	CLINE, HARRY	80	--	--	--	10/17/1974	--	--	U	--	--	--	--
129-058-06CCC	USBR 111	--	18	4	3	1967	8.00	09/ /1973	U	--	--	--	1313
129-058-070DU	USBR 121	--	6	4	3	1967	--	--	U	--	--	--	1313
129-058-09ABA	LAMPKUT, CLANK	--	1090	--	6	05/15/1969	--	F 06/25/1975	S,H	2170KUT	3500	16.0	1225
129-058-09888	NUSAC 9235	200	--	--	--	11/25/1974	--	--	U	--	--	--	1375
129-058-108AB	NUSAC 9236	180	--	--	--	11/26/1974	--	--	U	--	--	--	1317
129-058-110DU	USBR W-62	20	14	--	3	12/08/1966	8.70	02/13/1975	U	--	--	--	1296
129-058-12AAA	NUSAC 9988	200	170	167	1.25	10/03/1977	12.39	10/05/1977	U	112BRMP	1800	9.0	1296
129-058-13888	NUSAC 9234	160	--	--	--	11/25/1974	--	--	U	--	--	--	1296
129-058-22ADU	BANDEKET, EMIL	--	930	890	2	1971	--	--	S,H	2170KUT	4000	14.0	--
129-058-24CCC	USBR W-64	20	15	--	3	12/09/1966	8.00	02/13/1975	U	--	--	--	1301
129-058-29888	USBR 119	--	9	4	3	1967	5.00	08/ /1968	U	--	--	--	1315
129-058-30CCC	NUSAC 4834	160	96	93	1.25	10/07/1975	6.76	12/02/1975	U	112UKES	1350	--	1315
129-058-300DU1	NUSAC 4835	180	136	133	1.25	10/07/1975	3.80	12/02/1975	U	112UKES	720	--	1318
129-058-300DU2	NUSAC 4835A	50	41	38	1.25	10/07/1975	8.45	12/02/1975	U	112UKES	420	8.0	1318
129-058-31AAA	CLAEYS, MARSHALL	160	--	--	--	10/26/1976	--	--	U	--	--	--	--
129-058-31AAD	CLAEYS, MARSHALL	160	--	--	--	10/26/1976	--	--	U	--	--	--	--
129-058-31ABD	CLAEYS, MARSHALL	160	--	--	--	10/26/1976	--	--	U	--	--	--	--
129-058-318AC1	CLAEYS, MARSHALL	50	--	--	--	10/17/1974	--	--	U	--	--	--	1315
129-058-318AC2	CLAEYS, MARSHALL	158	--	--	--	10/26/1976	--	--	U	--	--	--	--
129-058-31CCC	USBR 116	--	7	4	3	1967	--	--	U	--	--	--	1310

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LUCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAM-ETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (UMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
130-054-3100C	BREKEN, CLARENCE	--	145	--	--	01/24/1975	--	--	S,H	1128GFV	2020	7.5	--
130-054-320CC	NDSWC 9246	180	--	--	--	12/04/1974	--	--	U	--	--	--	1185
130-054-320DB	NELSON, IRWIN	150	150	140	4	08/25/1974	45.00	08/25/1974	S	1128SPND	1600	8.0	--
130-054-350CC	NDSWC 9247	240	191	188	1.25	12/05/1974	43.80	01/23/1975	U	1128SPND	1620	--	1180
130-054-360CA	REFUGE, TEWAUKEN	104	104	98	3	07/01/1974	26.00	07/ /1974	H	1128SPND	--	--	--
130-055-010AA	ERICKSON, MLLP IN	156	156	150	2	08/12/1973	65.00	08/12/1973	S	1128SPRD	1690	--	--
130-055-048BB	NDSWC 4439	260	161	158	1.25	10/08/1975	80.49	12/03/1975	U	1128SPRD	1700	8.0	1232
130-055-068BB	NDSWC 4837	260	157	154	1.25	10/08/1975	98.69	12/03/1975	U	1128SPRD	2050	8.0	1250
130-055-078BC	BERGM, JUN	164	164	154	4	12/20/1975	50.00	12/20/1975	S,H	1128SPRD	2250	8.0	--
130-055-0700U	BERGM, RONALD	180	180	172	4	06/29/1974	90.00	06/29/1974	H	1128SPRD	--	--	--
130-055-10ADU	MCLAEN, ALVIN	174	174	168	2	07/16/1973	55.00	07/16/1973	S	1128SPND	1900	8.5	--
130-055-13ACB1	MCLEAN, CLAYTON	--	696	--	--	01/01/1925	--	--	H	2170KUT	4000	--	--
130-055-13ACB2	MCLEAN, CLAYTON	--	155	--	4	07/01/1972	--	--	S,H	1128SPRD	2200	8.0	--
130-055-1800U	SHASKY, HARVET	887	877	667	2	11/11/1972	16.00	07/19/1974	H	2170KUT	4500	--	--
130-055-2100U	LUCK, DUANE	180	180	175	4	05/31/1974	100.00	05/31/1974	S	1128GFV	2100	--	--
130-055-2400A	RUTLAND	--	170	--	12	01/01/1938	60.00	--	--	P	1128SPND	1300	--
130-055-25AAA	NDSWC 9252	280	204	198	1.25	12/09/1974	85.12	01/24/1975	U	1128SPND	1960	--	1220
130-055-26AAA	BANISH, ANNOLD	150	150	144	4	11/30/1972	63.00	11/30/1973	S	1128SPRD	1560	--	--
130-055-32ADD1	JUSTESEN, CARROL	--	900	--	--	01/01/1972	--	--	S	2170KUT	4800	15.5	--
130-055-32ADD2	JUSTESEN, CARROL	--	180	--	--	01/01/1950	--	--	S,H	112BRMP	1250	8.0	--
130-056-01AAB1	FURMAN	--	185	--	--	01/01/1962	--	--	P	1128SPND	2100	--	--
130-056-01AAB2	FURMAN	--	168	--	--	05/31/1974	--	--	--	1128SPND	--	--	--
130-056-01AAB	NDSWC 4853	240	156	153	1.25	10/15/1975	91.50	03/10/1976	U	1128SPND	--	--	1247
130-056-0288B	NDSWC 4854	240	131	128	1.25	10/15/1975	2.80	12/03/1975	U	1128SPND	2700	8.0	1260
130-056-05ADD	LITCHFIELD, CLAYTON	160	160	150	4	09/10/1974	30.00	09/10/1974	S	1128SPND	2200	--	--
130-056-06ABB1	MELKER, JESTEN	--	800	--	1	01/01/1890	--	--	S,H	2170KUT	4750	--	--
130-056-06ABB2	MELKER, JESTEN	250	230	220	4	08/09/1974	34.00	08/09/1974	H,S	1128PHD	2000	8.5	--
130-056-12ADA	BRIESE, REN	169	169	157	4	10/03/1974	85.00	10/03/1974	S	1128SPRD	2350	8.5	--
130-056-1488B	NDSWC 9955	240	185	182	1.25	08/31/1977	2.75+	10/06/1977	U	1128SPRD	2200	--	1260
130-056-140CC	NDSWC 9956	240	--	--	--	09/01/1977	--	--	U	--	--	--	1265
130-056-19000	KLINKHAMMER, LLOYD	123	123	116	3	07/23/1974	34.00	07/23/1974	S,H	1128GFV	2200	7.5	--
130-056-290CC	OLSON, MERLE	165	165	160	2	12/08/1973	25.00	12/08/1973	S,H	1128GFV	1360	--	--
130-056-35AAB1	WUCHENPFENNIG, DONALD	--	950	--	1.25	01/01/1908	--	--	S,H	2170KUT	3900	--	--
130-056-35AAB2	WUCHENPFENNIG, DONALD	--	170	--	3	01/01/1974	80.00	--	S,H	112BRMP	1950	9.5	--
130-057-010CC	NDSWC 9229	200	161	158	1.25	11/21/1974	20.42	01/24/1975	U	1128PHD	2090	8.0	1302
130-057-02AAD	CUGSWELL	--	1100	--	3	1951	--	--	P	2170KUT	--	--	--
130-057-02ABC	CUGSWELL	--	1100	--	3	1966	--	--	P	2170KUT	3500	--	--
130-057-02AC6	CUGSWELL	--	200	--	--	1966	--	--	P	1128SPRD	--	--	--
130-057-02ADA	CUGSWELL	--	1100	--	3	1952	--	--	P	2170KUT	--	--	--
130-057-03AAA1	NDSWC 4857	180	111	108	1.25	10/16/1975	26.45	12/03/1975	U	1128SPRD	--	--	1318

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LOCAL NUMBER	OWNER	DEPTH UNILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAMETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (UMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
130-057-03AAA2	USBR #105	20	20	--	3	03/13/1967	8.60	02/11/1975	U	--	--	--	1319
130-057-04000	USBR #101	20	20	--	3	03/10/1967	6.90	06/06/1975	U	--	--	--	1296
130-057-05AAA1	NOSMC 4858	160	106	103	1.25	10/16/1975	--	--	U	112EGLV	--	--	1299
130-057-05AAA2	USBR #16	20	20	--	3	10/24/1966	10.90	06/05/1975	U	--	--	--	1303
130-057-058881	NOSMC 9451	180	156	153	1.25	06/30/1977	9.20	11/30/1977	U	1129PHD	1080	8.0	1302
130-057-058882	NOSMC 9451A	120	103	100	1.25	08/30/1977	9.07	11/30/1977	U	112EGLV	850	7.5	1302
130-057-06000	USBR #99	20	20	--	3	03/09/1967	6.20	06/06/1975	U	--	--	--	1303
130-057-07000	USBR #33	20	20	--	3	11/18/1966	8.40	06/06/1975	U	--	--	--	1308
130-057-08000	HUFFMAN, EDWARD	135	135	130	3	08/06/1974	32.00	08/06/1974	H,S	112SPRD	850	9.0	--
130-057-080001	NOSMC 9954	180	146	143	1.25	06/30/1977	3.47	10/13/1977	U	112SPRD	1100	8.5	1290
130-057-080002	NOSMC 9954A	60	39	33	1.25	06/30/1977	7.06	10/13/1977	U	112EGLV	3000	8.0	1291
130-057-09000	USBR #100	20	20	--	3	03/10/1969	5.90	06/06/1975	U	--	--	--	1295
130-057-09000	NOSMC 9953	220	--	--	--	06/30/1977	--	--	--	--	--	--	1309
130-057-10AAA	TUANE, GEORGE	165	165	160	2	10/31/1972	18.00	10/31/1972	H	112SPRD	1600	--	--
130-057-10AAA	CARPENTER, M.A.	150	130	125	4	07/30/1973	40.00	07/30/1973	S	112SPRD	1220	--	--
130-057-17AAA	USBR #32	20	20	--	3	11/18/1966	7.10	06/06/1975	U	--	--	--	1294
130-057-20AAA	USBR #92	20	20	--	3	03/08/1967	6.30	06/06/1975	U	--	--	--	1296
130-057-2600A	ANDERSON, ELWOOD	--	138	133	4	07/01/1975	19.00	07/01/1975	S	1128RMP	1120	8.0	--
130-057-30AAA	USBR #39	20	10	--	3	11/21/1966	5.60	06/06/1975	U	--	--	--	1292
130-057-35AAA	MULSTAD, J.J.	--	825	--	1.25	01/01/1916	--	--	S,H	217UKUT	4200	--	--
130-058-01000	NOSMC 4859	200	--	--	--	10/16/1975	--	--	U	--	--	--	1304
130-058-06000	MCMANUS, CLARA	--	830	814	3	01/01/1940	--	--	U	2170KUT	4200	9.0	--
130-058-08000	WIESE, WALTER	145	--	--	--	02/18/1977	--	--	U	--	--	--	--
130-058-08000	WIESE, WALTER	240	--	--	--	02/15/1977	--	--	U	--	--	--	--
130-058-09000	NOSMC 4861	280	161	158	1.25	10/17/1975	88.27	12/03/1975	U	1128GFV	1400	8.5	1402
130-058-09000	BEST, HOWARD	--	85	--	4	10/22/1964	20.00	10/22/1964	H,S	--	900	10.0	1380
130-058-11000	NOSMC 4860	300	--	--	--	10/17/1975	--	--	U	--	--	--	1420
130-058-11000	NOSMC 4860A	100	91	88	1.25	10/17/1975	32.39	12/03/1975	U	1128GFV	700	--	1420
130-058-11000	SHELTUN, MATNARD	--	136	--	2	04/15/1945	60.00	04/15/1945	H,S	1128GFV	1300	--	1420
130-058-14000	NOSMC 4664	260	--	--	--	10/20/1975	--	--	U	--	--	--	1375
130-058-14000	USBR #35	20	20	--	3	11/18/1966	4.00	06/06/1975	U	--	--	--	1313
130-058-16000	SAVEY, LESLIE	103	103	92	4	07/31/1975	25.00	07/31/1975	H	1120KES	--	--	--
130-058-16000	USBR JAKES-66	225	--	--	--	06/18/1953	73.50	06/18/1953	U	--	--	--	1390
130-058-17000	WIESE, WALTER	60	--	--	--	02/18/1977	--	--	U	--	--	--	--
130-058-17000	WIESE, WALTER	60	--	--	--	02/18/1977	--	--	U	--	--	--	--
130-058-17000	USBR 46	--	13	4	3	1966	8.00	09/ /1973	U	--	--	--	1317
130-058-17000	USBR 47	--	17	4	3	1949	6.00	04/ /1949	U	--	--	--	1321
130-058-170001	NOSMC 9108	260	--	--	--	09/17/1974	--	--	U	--	--	--	1325
130-058-170002	NOSMC 9108A	60	35	32	1.25	09/17/1974	14.28	01/24/1975	U	1120KES	560	9.0	1325
130-058-180001	USBR JAKES-3	45	--	--	--	12/14/1950	5.20	12/14/1950	U	--	--	--	1310

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130-058-180002	NUSAC 4863	180	--	--	--	10/20/1975	--	--	U	--	--	--	1313
130-058-180003	NUSAC 4863A	40	36	53	1.25	10/20/1975	1.96	12/03/1975	U	1120KES	540	8.0	1313
130-058-180004	USBR 45	--	6	4	3	01/01/1966	--	--	U	--	--	--	1312
130-058-19AAC	CLINE, HARRY	75	75	50	16	12/ /1974	6.00	12/ /1974	I	1120KES	525	--	--
130-058-19ABC	CLINE, HARRY	70	--	--	--	04/03/1974	6.00	04/03/1974	U	--	--	--	1313
130-058-19ADD	CLINE, HARRY	80	--	--	--	04/03/1974	6.00	04/03/1974	U	--	--	--	1314
130-058-1908b	USBR 44	--	10	4	3	1950	7.00	04/ /1973	U	--	--	--	1311
130-058-1908u	CLINE, HARRY	45	--	--	--	04/03/1974	6.00	04/03/1974	U	--	--	--	1315
130-058-190AC	HUKANA BRUS	200	--	--	--	04/04/1974	--	--	U	--	--	--	--
130-058-228AB	NUSAC 9107	420	--	--	--	09/17/1974	--	--	U	--	--	--	1465
130-058-24AAA	USBR n-54	20	20	--	3	11/18/1966	11.90	06/06/1975	U	--	--	--	1312
130-058-240DD	USBR n-38	20	20	--	3	11/21/1966	9.30	06/06/1975	U	--	--	--	1305
130-058-25C8u	RUST, WILLIAM	--	800	--	--	01/01/1920	--	--	U	2170KGT	4000	13.5	--
130-058-30CCC	USBR 82	--	10	4	3	1966	5.00	12/ /1971	U	--	--	--	1318
130-058-3008u	HANSEN, ALAN	68	68	53	16	05/15/1975	8.00	05/15/1975	I	1120KES	--	--	--
130-058-300DD	NUSAC 4836	220	161	158	1.25	10/07/1975	--	--	U	1120KES	550	7.5	1315
130-058-31AAC1	CLINE, HARRY	63	63	39	16	12/01/1974	9.25	12/01/1974	I	1120KES	460	8.5	--
130-058-31AAC2	CLINE, HARRY	90	--	--	--	10/16/1974	--	--	U	--	--	--	--
130-058-31AAD	CLINE, HARRY	70	--	--	--	10/16/1974	--	--	U	--	--	--	--
130-058-310DD	USBR 103	--	16	4	3	1966	7.00	09/ /1973	U	--	--	--	1314
130-058-32b8C	CLINE, HARRY	--	60	--	--	01/01/1966	--	--	H	1120KES	550	9.0	--
130-058-32C8C	CLINE, HARRY	75	75	50	16	12/01/1974	--	--	I	1120KES	--	--	--
130-058-35AAB	NEPSTAD, KEITH	--	200	--	4	10/01/1974	50.00	10/01/1974	H	1128GFV	2200	9.0	--
130-058-3688b	USBR n-44	20	--	--	3	11/22/1966	8.90	06/06/1975	U	--	--	--	1306
131-053-03AAA	NUSAC 9257	120	51	48	1.25	12/10/1974	18.84	01/24/1975	U	112MLCL	1190	7.0	1081
131-053-030DD1	NUSAC 9583	140	--	--	--	06/08/1976	--	--	U	--	--	--	1092
131-053-030DD2	NUSAC 9583A	50	43	37	1.25	06/08/1976	23.46	06/14/1976	U	112MLCL	850	8.5	1092
131-053-09AAA	NUSAC 9256	140	51	48	1.25	12/10/1974	8.36	01/24/1975	U	112MLCL	1690	8.5	1081
131-053-09CCC	NUSAC 9255	140	61	58	1.25	12/10/1974	4.03	01/24/1975	U	112MLCL	1650	8.0	1091
131-053-10AAA	BAKER, GERALD	140	--	--	--	02/05/1975	--	--	U	--	--	--	--
131-053-10AAL	BAKER, GERALD	128	--	--	--	02/04/1975	--	--	U	--	--	--	--
131-053-10ASC	BAKER, GERALD	127	--	--	--	02/06/1975	--	--	U	--	--	--	--
131-053-10ACC	BAKER, GERALD	42	37	25	12	06/13/1975	6.00	06/13/1975	I	112MLCL	--	--	--
131-053-10ADu	BAKER, GERALD	115	--	--	--	02/06/1975	--	--	U	--	--	--	--
131-053-10CAC	CRANDALL & SONS	53	53	43	4	05/25/1977	15.00	05/25/1977	S	112MLCL	--	--	--
131-053-10CCC	NUSAC 9286	140	56	50	1.25	06/08/1976	7.67	06/15/1976	U	112MLCL	1520	9.0	1092
131-053-100CC1	CRANDALL & SONS	--	600	--	--	01/01/1940	--	--	S	2170KGT	5500	--	--
131-053-100CC2	CRANDALL & SONS	34	34	28	4	05/28/1974	10.00	05/28/1974	H	112MLCL	--	--	--
131-053-11UCB	NUSAC 9584	140	49	43	1.25	06/08/1976	5.13	06/14/1976	U	112MLCL	1150	8.5	1080

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131-053-11CCC	NUSWC 9585	180	54	48	1.25	06/08/1976	7.33	08/04/1976	U	112MLCL	1300	8.7	1085
131-053-17C88	NUSWC 9254	180	91	88	1.25	12/10/1974	35.00	01/24/1975	U	112MLCL	1470	--	1130
131-053-19CCC	NUSWC 4043	180	151	148	1.25	10/10/1975	30.24	07/08/1976	U	112BGFV	2000	--	1133
131-053-260Cb	NUSWC 9962	200	84	78	1.25	09/07/1977	30.29	10/07/1977	U	112MLCL	1700	8.0	1115
131-053-320DU	KNATCHA, LEONARD	95	95	85	4	07/20/1974	25.00	07/20/1974	S	112BGFV	1650	8.0	--
131-053-3488A1	CIESYNSKI, FRANK	106	106	100	2	03/24/1966	70.50	03/24/1966	H	112BGFV	--	--	--
131-053-3488A2	CIESYNSKI, FRANK	132	132	126	2	02/26/1972	70.00	02/26/1972	S	112BGFV	--	--	--
131-054-050CC	MYUM, C. THOMAS	110	110	100	4	08/01/1973	--	--	S,H	112BGFV	2200	9.0	--
131-054-050CD	MYUM, AARON	129	129	120	4	07/15/1975	50.00	07/15/1975	S,H	112BGFV	2220	--	--
131-054-09ADD	STUCKSTAD, CLARENCE	120	120	110	4	10/20/1975	30.00	10/20/1975	S,H	112BGFV	2000	8.8	--
131-054-14AAA	NDSWC 9964	180	81	78	1.25	09/08/1977	45.66	10/06/1977	U	112BGFV	2200	8.5	1145
131-054-178AA	ERICKSON, EDWIN	785	785	659	2	02/15/1975	--	--	H	217DKUT	4000	13.5	--
131-054-22898	NUSWC 4849	180	101	98	1.25	10/14/1975	46.34	12/03/1975	U	112BGFV	2200	8.0	1160
131-054-22CCC	NUSWC 9963	180	--	--	--	09/08/1977	--	--	U	--	--	--	1156
131-054-250Cb	BRICKZIN, JOHN	71	71	65	2	12/23/1972	35.00	12/23/1972	S	112BGFV	1310	--	--
131-054-26A801	ASKERDOTH, ELVOY	--	90	--	--	01/01/1942	--	--	H	112BGFV	1500	8.5	--
131-054-26A802	ASKERDOTH, ELVOY	--	839	--	2	04/29/1966	--	--	S,H	217DKUT	4000	13.5	--
131-054-270AD	KLEINBARN, LUCILLE	107	107	96	4	06/10/1974	50.00	06/10/1974	S,H	112BGFV	1710	--	--
131-054-310DU	LUNNEBURG, JAMES	208	208	198	4	08/15/1976	50.00	08/15/1976	S	112SPKD	--	--	--
131-055-030DU	CLAUS, MERLIN	839	839	--	2	01/30/1976	44.00	01/30/1976	--	217DKUT	4000	--	--
131-055-070Cb	BJONK, MELVIN	189	187	177	4	04/20/1973	128.00	04/20/1973	H	112BGFV	2990	--	--
131-055-090CC	BJONK, NORMAN	105	157	153	4	11/16/1973	--	--	S,H	112BGFV	2000	--	--
131-055-110CC	NUSWC 4050	200	114	116	1.25	10/14/1975	--	--	U	112B0VL	--	--	1203
131-055-120CC	NUSWC 9959	220	--	--	--	09/07/1977	--	--	U	--	--	--	1192
131-055-150AB	MAHREN, JAMES	158	158	152	4	09/12/1974	38.00	09/12/1974	S,H	112B0VL	2000	8.8	--
131-055-16AAA	NDSWC 9858	220	--	--	--	09/06/1977	--	--	U	--	--	--	1225
131-055-18ADD	ZIRNHELT, DUKE	155	155	142	4	12/02/1976	87.00	12/02/1976	--	--	--	--	--
131-055-180DU	EKLUND, VERNER	184	184	154	3	06/07/1976	101.00	06/07/1976	S,H	112BGFV	--	--	--
131-055-238AA	SPIEDEL, JOHN	156	156	150	2	10/02/1973	58.00	10/02/1973	S	112B0VL	2250	--	--
131-055-290CC	ZIRNHELT, MIKE	177	177	167	4	09/02/1975	97.00	09/02/1975	S	112SPKD	2100	--	--
131-055-330CC	MILLER, DENNIS	180	175	169	4	11/19/1973	80.00	11/19/1973	S,H	112SPKD	2090	--	--
131-055-340DU	NUSWC 4040	240	--	--	--	10/09/1975	--	--	U	--	--	--	1219
131-055-360DU	NUSWC 9960	220	--	--	--	09/07/1977	--	--	U	--	--	--	1199
131-056-01ACD	JOHNSON, LLOYD	152	152	142	4	10/10/1975	40.00	10/10/1975	H	112BGFV	2100	--	--
131-056-028AA	ULVEN, CLARONET	166	166	156	4	05/21/1976	102.00	05/21/1976	H	112BGFV	--	--	--
131-056-130DA	KHAIG, ANCIL	148	148	140	2	09/19/1972	50.00	09/19/1972	H	112BGFV	--	--	--
131-056-130DU	KHAIG, ANCIL	165	164	158	2	08/30/1973	50.00	08/30/1973	H	112BGFV	--	--	--
131-056-1408B	NUSWC 4852	240	--	--	--	10/15/1975	--	--	U	--	--	--	1281
131-056-190DU	NUSWC 9941	240	--	--	--	08/24/1977	--	--	U	--	--	--	1320
131-056-21AAA	WAHLUND, LEONARD	134	134	124	4	12/02/1975	20.00	12/02/1975	H	112BGFV	1750	8.5	--

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131-056-2188A	HUCKELL, ELWOOD	85	75	65	4	07/16/1976	15.00	07/16/1976	H	1128GFV	--	--	--
131-056-22ADD	SEEU FARM, ANDERSON	232	--	--	--	05/24/1974	--	--	U	--	--	--	--
131-056-22ADD	ANDERSON, CHARLES	242	173	168	2	01/28/1974	62.00	01/28/1974	H	1128GFV	1700	6.7	--
131-056-23C881	OLSON, DONALD	--	1100	1082	2	1962	--	1962	S,H	217DKUT	4000	9.5	--
131-056-23C882	OLSON, DONALD	207	--	--	--	02/08/1974	--	--	U	--	--	--	--
131-056-23C883	OLSON, DONALD	235	--	--	--	02/09/1974	--	--	U	--	--	--	--
131-056-23C884	OLSON, DONALD	222	--	--	--	02/11/1974	--	--	U	--	--	--	--
131-056-25CCA	ZIRNHELT, DAN	151	151	145	2	07/27/1973	70.00	07/27/1973	H	1128GFV	--	--	--
131-056-26CCC	NUSMC 9957	240	--	--	--	09/06/1977	--	--	U	--	--	--	1270
131-056-31CCC	NUSMC 4856	220	141	138	1.25	10/16/1975	23.50	12/03/1975	U	1125PRD	2000	7.5	1311
131-056-33CCC	NUSMC 4655	260	--	--	--	10/15/1975	--	--	U	--	--	--	1305
131-056-33AAA1	BEAVER, CLIFFORD	225	223	217	4	03/19/1973	60.00	03/19/1973	S,H	1125PRD	2400	--	--
131-056-33AAA2	BEAVER, CLIFFORD	160	158	152	4	08/15/1974	32.00	08/15/1974	S,H	1125PRD	2200	--	--
131-056-3588A	JACOBSON BKUS	140	140	130	4	07/31/1973	48.00	07/31/1973	S	1125PRD	2600	--	--
131-056-36AAA	MCQUAY, CLIFFORD	156	156	146	4	04/20/1975	40.00	04/20/1976	H	1125PRD	2200	--	--
131-057-01000	NUSMC 9942	200	--	--	--	08/25/1977	--	--	U	--	--	--	1308
131-057-03000	NUSMC 9944	100	--	--	--	08/25/1977	--	--	U	--	--	--	1312
131-057-03000	USBR #25	9	9	--	3	11/01/1966	2.20	06/05/1975	U	--	--	--	1313
131-057-04000	USBR #23	20	20	--	3	10/26/1966	7.40	06/05/1975	U	--	--	--	1308
131-057-04000	USBR #24	20	20	--	3	10/26/1966	5.60	06/05/1975	U	--	--	--	1307
131-057-06000	JURAN, JOE	44	44	40	--	07/22/1976	9.00	07/22/1976	H	112EGLV	--	--	--
131-057-06000	JURAN, JOE	140	--	--	--	09/28/1976	--	--	U	--	--	--	--
131-057-060001	NUSMC 4868	135	108	105	1.25	10/21/1975	4.16	12/04/1975	U	112EGLV	2200	8.5	1304
131-057-060002	JURAN, PHIL	100	--	--	--	09/23/1976	--	--	U	--	--	--	--
131-057-060003	USBR #26	20	13	--	3	11/16/1966	5.10	06/05/1975	U	--	--	--	1306
131-057-08AAA	NUSMC 9945	180	161	158	1.25	08/25/1977	11.79	10/12/1977	U	112EGLV	5000	9.0	1309
131-057-10888	NUSMC 9943	180	73	70	1.25	08/25/1977	7.58	10/12/1977	U	1128GFV	--	--	1306
131-057-11AAA	KELLER, LUDIS	--	185	--	3	01/01/1968	25.00	01/01/1968	S,H	1128GFV	1650	--	--
131-057-12C00	EVER, RALPH	--	1000	--	--	1962	--	--	S,H	217DKUT	4000	--	--
131-057-17AAA	USBR #22	20	20	--	3	10/26/1966	3.90	06/05/1975	U	--	--	--	1306
131-057-20CCC	NUSMC 9947	260	--	--	--	08/26/1977	--	--	U	--	--	--	1340
131-057-20000	NUSMC 9948	160	141	138	1.25	08/26/1977	9.57	10/12/1977	U	112EGLV	1800	8.0	1304
131-057-21888	USBR #21	20	20	--	3	10/26/1966	14.20	06/05/1975	U	--	--	--	1323
131-057-21CAC1	PTACEK, LLOYD	140	--	--	--	05/20/1975	--	--	U	--	--	--	--
131-057-21CAC2	PTACEK, LLOYD	148	148	108	16	07/01/1975	20.00	07/01/1975	I	1128GFV	--	--	--
131-057-23CCC1	NUSMC 9950	180	--	--	--	08/30/1977	--	--	U	--	--	--	1297
131-057-23CCC2	USBR #104	55	20	--	3	07/23/1966	7.00	06/05/1975	U	--	--	--	1297
131-057-278881	NUSMC 9949	160	--	--	--	08/29/1977	--	--	U	--	--	--	1300
131-057-278882	USBR #19	30	20	--	3	10/25/1966	13.00	06/05/1975	U	--	--	--	1307
131-057-27000	USBR #20	50	20	--	3	10/25/1966	6.40	06/05/1975	U	--	--	--	1302

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131-057-29AAA	USBN N-18	20	20	--	3	10/24/1966	7.10	06/05/1975	U	--	--	--	1302
131-057-29DDU	USBN N-17	20	20	--	3	10/24/1966	9.30	06/05/1975	U	--	--	--	1303
131-057-30ADD	SCHWEINER, TILLIE	--	1030	1027	2	04/01/1975	--	--	S	217DKUT	3800	--	--
131-057-330DD	USBN N-102	20	10	--	3	03/10/1967	5.00	06/05/1975	U	--	--	--	1296
131-058-05AAA1	NOSWC 4870	160	--	--	--	10/21/1975	--	--	U	--	--	--	1316
131-058-05AAA2	GEMAR, DUANE	60	--	--	--	08/24/1976	--	--	U	--	--	--	--
131-058-05DAC	GEMAR, DUANE	110	--	--	--	08/24/1976	--	--	U	--	--	--	--
131-058-08ABA	COLEMAN, LYSLE	--	220	--	4	01/01/1962	--	--	H	112SPRD	2770	--	--
131-058-11AAA	USBN N-28	20	20	--	3	11/16/1966	9.50	06/05/1975	U	--	--	--	1310
131-058-118AA	KUPITZ, JOHN	--	1000	--	--	06/01/1956	--	--	S,H	217DKUT	4500	13.0	--
131-058-110DU	NOSWC 9228	260	--	--	--	11/20/1974	--	--	U	--	--	--	1369
131-058-15AAC	HARKIS, DOUGLAS	200	--	--	--	10/21/1974	--	--	U	--	--	--	--
131-058-15CCA	HARKIS, DOUGLAS	80	--	--	--	10/22/1974	--	--	U	--	--	--	--
131-058-15CCC	HARKIS, DOUGLAS	200	--	--	--	10/22/1974	2.10	07/08/1975	U	--	--	--	1320
131-058-19BAC	FRYDENLUND, DONALD	180	--	--	--	04/01/1973	--	--	U	--	--	--	--
131-058-20AAB	VCULEK, BERNARD	60	--	--	--	10/13/1976	--	--	U	--	--	--	--
131-058-20ABU	VCULEK, BERNARD	70	--	--	--	10/12/1976	16.00	10/12/1976	U	112EGLV	--	--	--
131-058-20ADC	VCULEK, BERNARD	60	--	--	--	10/13/1976	--	--	U	--	--	--	--
131-058-20BBB	USBN 120	--	6	4	3	1967	6.00	11/1969	U	--	--	--	1315
131-058-20BBC	VCULEK, BERNARD	60	--	--	--	10/12/1976	--	--	U	--	--	--	--
131-058-20BBU	VCULEK, BERNARD	120	--	--	--	10/12/1976	--	--	U	--	--	--	--
131-058-20BDC	VCULEK, BERNARD	60	--	--	--	10/12/1976	22.00	10/12/1976	U	112EGLV	--	--	--
131-058-20CUC	LAMBERT, VALE	--	--	--	--	1962	--	--	S	--	4500	10.5	--
131-058-2488A	NOSWC 4867	210	--	--	--	10/21/1975	--	--	U	--	--	--	1354
131-058-240DU	NOSWC 9946	300	276	273	1.25	08/25/1977	61.25	10/12/1977	U	112SPRD	1120	8.5	1368
131-058-27AAB	NOSWC 4866	280	211	208	1.25	10/21/1975	23.99	12/03/1975	U	112SPRD	1000	8.5	1337
131-058-31CCC1	USBN DAKES-68	238	--	--	--	06/16/1953	3.20	06/16/1953	U	--	--	--	1310
131-058-31CCC2	NOSWC 9952	140	36	33	1.25	08/30/1977	6.81	11/30/1977	U	112UKES	710	7.5	1305
131-058-310BC	FUNDYCE, CARLTON	60	55	49	4	11/20/1972	--	--	S,H	112UKES	990	--	--
131-058-328BU	ZIMBLEMAN, TERRY	160	150	144	4	08/13/1973	--	--	S,H	112SPRD	1400	--	--
131-058-33CCB	NOSWC 4862	180	--	--	--	10/20/1975	--	--	U	--	--	--	1325
131-058-348BB	NOSWC 4865	160	161	158	1.25	10/21/1975	3.50+	05/04/1976	U	112SPRD	1200	8.0	1307
132-053-01AAA	NOSWC 2199	346	--	--	--	10/02/1963	--	--	U	--	--	--	1064
132-053-05CCD	NOSWC 4845	140	--	--	--	10/13/1975	--	--	U	--	--	--	1074
132-053-05UAD	ERICKSON, MRS VERNON	--	21	--	4	04/01/1974	--	--	H	112SNDL	4500	8.8	--
132-053-09AAD	NOSWC 9260	180	--	--	--	12/11/1974	--	--	U	--	--	--	1062
132-053-15CBA	MARTINSUN, HUMER	68	55	49	4	04/28/1973	--	--	S,H	112LCSK	1305	--	--
132-053-210DU	LUTHEMAN C, IMMANUAL	36	36	30	2	03/19/1974	10.00	03/19/1974	H	112LCSR	1650	--	--
132-053-24AAD	FRISKUP, GERALD	42	42	35	2	01/17/1974	15.00	01/17/1974	S,H	112LCSR	1500	--	--
132-053-25AAC	MUND, MARVIN	50	--	--	--	10/29/1974	--	--	U	--	--	--	--



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132-053-2548C1	QUAM, CLIFTON	42	42	50	2	05/10/1972	--	--	S	112LCSR	1300	--	--
132-053-2548C2	QUAM, CLIFTON	41	41	35	2	04/10/1973	10.00	04/10/1973	S	112LCSR	--	--	--
132-053-2888B	HUGHES, THOMAS	60	60	50	4	11/20/1974	15.00	11/20/1974	S,H	112LCSR	3000	8.5	--
132-053-2988B	MUND, DOUGLAS	35	35	25	4	02/16/1976	8.00	02/16/1976	S,H	112MLCL	--	--	--
132-053-2900D	NUSAC 9966	140	34	31	1.25	09/08/1977	10.56	10/06/1977	U	112MLCL	850	8.0	1082
132-053-3180C1	MUND, TOM	60	--	--	--	05/31/1977	--	--	U	--	--	--	--
132-053-3180C2	MUND, TOM	35	35	20	4	06/02/1977	20.50	06/02/1977	U	112MLCL	--	--	--
132-053-3180D	MUND, TOM	37	37	27	4	06/02/1977	18.00	06/02/1977	U	112MLCL	--	--	--
132-053-3100B	MUND, MARVIN	55	--	--	--	10/29/1974	--	--	U	--	--	--	--
132-053-3100D	NUSAC 9965	140	41	35	1.25	09/08/1977	10.20	10/06/1977	U	112MLCL	640	9.0	1093
132-053-420AA	HALMRAST, ALLISON	45	44	38	2	11/20/1972	20.00	11/20/1972	S,H	112MLCL	2200	--	--
132-053-338AB	MUXNESS, LARRY	41	41	29	4	08/11/1975	20.00	08/11/1975	S,H	112MLCL	--	--	--
132-053-3688C	NUSAC 8844	140	41	38	1.25	10/10/1975	2.35	12/03/1975	U	112LCSR	1000	7.5	1055
132-054-0100D	NUSAC 8846	200	--	--	--	10/13/1975	--	--	U	--	--	--	1077
132-054-0400C	NUSAC 9259	120	--	--	--	12/11/1974	--	--	U	--	--	--	1098
132-054-068AA	CROSS, LAWRENCE	50	--	--	--	08/16/1976	--	--	U	--	--	--	--
132-054-068AB1	CROSS, LAWRENCE	46	--	--	--	08/06/1976	--	--	U	--	--	--	--
132-054-068AB2	CROSS, LAWRENCE	32	--	--	--	08/16/1976	--	--	U	--	--	--	--
132-054-068AC1	CROSS, LAWRENCE	50	--	--	--	08/06/1976	--	--	U	--	--	--	--
132-054-068AC2	CROSS, LAWRENCE	55	--	--	--	08/16/1976	--	--	U	--	--	--	--
132-054-068BA	CROSS, LAWRENCE	52	--	--	--	08/06/1976	--	--	U	--	--	--	--
132-054-068CA	CROSS, LAWRENCE	55	--	--	--	08/06/1976	--	--	U	--	--	--	--
132-054-09AAU	LIEN, JOHN	--	21	16	1.25	07/15/1976	17.00	07/15/1976	H	112MLCL	1400	8.5	--
132-054-09UAC	MILNOR	--	900	--	--	07/01/1962	--	--	P	217DKUT	3900	13.5	--
132-054-09UCA	JOHNSON-MILNOR WELL	--	675	--	--	01/01/1962	--	--	--	217DKUT	4000	12.5	--
132-054-1088B	NUSAC 8848	120	--	--	--	10/13/1975	--	--	U	--	--	--	1088
132-054-1000C	NUSAC 9971	120	--	--	--	09/12/1977	--	--	--	--	--	--	1093
132-054-114AA	NUSAC 4647	180	--	--	--	10/13/1975	--	--	U	--	--	--	1085
132-054-1388B	GAIKER, HARRY	--	575	--	--	01/01/1945	--	--	H	217DKUT	4000	12.0	--
132-054-1588B	ASCHE, ROY	734	734	654	2	11/30/1974	--	--	S	217DKUT	4000	13.0	--
132-054-2400C	NUSAC 9966	220	--	--	--	09/08/1977	--	--	U	--	--	--	1087
132-054-25ACA	MUND, TOM	55	--	--	--	02/18/1976	--	--	U	--	--	--	--
132-054-25ACL	MUND, TOM	55	54	34	16	04/01/1976	15.00	04/01/1976	I	112MLCL	--	--	--
132-054-2500D	NUSAC 9967	120	32	29	1.25	09/08/1977	14.26	10/06/1977	--	112MLCL	800	9.0	1095
132-054-2788D	GIBSON, LEONARD	115	115	109	2	08/17/1973	30.00	08/17/1973	S	112MLCL	--	--	--
132-054-29AAA	NUSAC 9970	160	--	--	--	09/09/1977	--	--	--	--	--	--	1153
132-054-29BCD	LIEN, GARY	120	114	107	4	11/14/1973	--	--	S,H	1128FV	1900	--	--
132-054-318AB1	JOHNSON, NORMAN	--	850	--	--	06/01/1918	--	--	H	217DKUT	5000	--	--
132-054-318AB2	JOHNSON, NORMAN	118	118	100	4	07/09/1974	40.00	07/09/1974	S	1128FV	1800	9.0	--
132-054-3200D	WYUM, TRUMAN	114	114	106	1.25	08/31/1975	32.00	08/31/1975	S,H	1128FV	1800	8.5	--

LOCAL NUMBER	OWNER	DEPTH TO CASINGS	DEPTH TO FIRST OPENING	DEPTH OF WELL	DIAMETER	DATE COMPLETED	WATER LEVEL MEASURED	DATE	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE AT 25°C	TEMPERATURE (DEGREES C)	DEPTH OF LAND SURFACE	ALTITUDE OF LAND SURFACE (FEET)
132-055-0200	NUSMC 9258	140	--	--	--	12/11/1974	--	--	U	--	--	--	--	1142
132-055-0200	RINGDAHL, GORDON	140	--	--	--	01/01/1900	--	--	S,M	2170KUT	4000	11.5	--	--
132-055-0900	MELSON, CHARLES	119	--	120	119	11/13/1973	55.00	--	S,M	1128FV	1440	--	--	--
132-055-1100	ELFSUM, CHARLES	105	--	110	105	01/01/1936	--	--	S,M	1128FV	3400	--	--	--
132-055-1900	ELFSUM, CHARLES	119	--	120	119	11/13/1973	55.00	--	S,M	1128FV	1440	--	--	--
132-055-2100	SEVERSON, CLAYTON	135	125	135	119	11/15/1973	50.00	--	S,M	1128FV	--	--	--	1215
132-055-2500	SEVERSON, WILLIAM	160	150	160	119	06/19/1975	50.00	--	S,M	1128FV	2400	--	--	--
132-056-0200	NUSMC 9939	180	--	180	180	08/24/1977	--	--	U	--	--	--	--	1238
132-056-0400	HARTNESS, DON	100	--	100	90	05/21/1974	14.00	--	H	1128FV	1650	8.0	--	1238
132-056-0600	HANSON, LEE	1200	--	1200	--	01/01/1919	28.00	--	H,S	2170KUT	4030	8.0	--	1345
132-056-0800	HANSON, ROBERT	1010	1010	1010	864	05/17/1974	45.00	--	S,M	2170KUT	3900	8.0	--	--
132-056-1000	NUSMC 4851A	180	156	180	153	10/14/1975	97.30	--	U	1128DVL	2000	8.0	--	1251
132-056-1200	CAMPBELL, HENRY	100	--	100	143	01/01/1971	40.00	--	S,M	1128FV	2200	8.5	--	1251
132-056-1400	HANSON, RONNIE	174	--	174	--	04/21/1973	--	--	U	--	--	--	--	--
132-056-1600	NUSMC 9940	182	177	182	170	06/24/1977	110.99	--	U	1128DVL	2150	8.5	--	--
132-056-1800	DASSERNA, WALLACE	190	182	192	177	05/11/1973	50.00	--	S,M	1128FV	2360	8.0	--	1265
132-056-2000	JACOBSON, HAROLD	90	95	90	90	01/01/1966	--	--	H	1128FV	1300	8.5	--	--
132-056-2200	ANDERSON, VERNAL	903	903	903	882	11/13/1967	--	F	S,M	2170KUT	3800	13.0	--	--
132-056-2400	CLAMMONT, ULVAN	125	119	125	119	06/24/1977	60.00	--	S,M	1128FV	3900	--	--	--
132-057-0600	KEMPFL, TED	133	133	133	128	06/27/1975	19.00	--	--	2170KUT	5000	--	--	--
132-057-0800	KEMPFL, SULMUN	925	--	925	--	01/01/1932	--	--	H	1128DVL	3900	--	--	--
132-057-1000	USBK W-14	25	--	25	3	10/ /1966	4.30	--	U	--	5000	--	--	--
132-057-1200	NUSMC 4872	240	--	240	--	10/22/1975	--	--	U	--	1376	--	--	1374
132-057-1400	NUSMC 9271	160	--	160	--	05/22/1975	--	--	U	--	733	--	--	1318
132-057-1600	NUSMC 9271A	20	16	20	13	05/22/1975	7.79	--	U	1128GLV	733	--	--	1318
132-057-1800	ROBINSON, DOUGLAS	162	167	162	162	01/01/1939	35.00	--	H	1128FV	2200	--	--	1318
132-057-2000	GREINERT, JIM	180	174	180	163	03/30/1973	--	--	S,M	1128FV	2150	--	--	--
132-057-2200	HARTM, CLIFFORD	1080	1080	1080	954	08/01/1974	60.00	--	S,M	2170KUT	3900	--	--	--
132-057-2400	OHM, FLOYD	45	35	45	29	09/22/1975	--	--	S,M	1128GLV	1075	--	--	--
132-057-2600	OHM, FLOYD	30	30	30	7	04/24/1973	6.00	--	S,M	1128GLV	1075	--	--	--
132-057-2800	UCULEK, FRANCIS	45	--	45	5	09/14/1974	--	--	U	--	--	--	--	--
132-057-3000	UCULEK, FRANCIS	80	--	80	--	09/14/1974	--	--	U	--	--	--	--	--
132-057-3200	NUSMC 9588	160	--	160	--	06/09/1976	--	--	U	--	--	--	--	1310
132-057-3400	USBK W-13	20	--	20	3	10/ /1966	4.00	--	U	--	--	--	--	1307
132-057-3600	WHITE, HOEK	228	232	228	175	11/02/1976	78.00	--	S,M	1128FV	2300	--	--	--
132-057-3800	BUNBERT, BEWGE	165	--	165	2	01/25/1973	50.00	--	S,M	1128FV	2500	--	--	--
132-057-4000	BUNBERT, HENRY	140	140	140	140	06/01/1970	60.00	--	S,M	1128FV	2500	8.7	--	--
132-057-4200	LANGMAACK, LARRY	169	178	169	173	06/07/1973	70.00	--	H	1128FV	2500	--	--	--

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LOCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAM- ETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (µMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
132-057-280DA	NUSWC 4864	220	--	--	--	10/22/1975	--	--	U	--	--	--	1343
132-057-290DU	USBK #15	10	--	--	3	10/20/1966	6.60	02/12/1975	U	--	--	--	1306
132-057-310DB	VCULEK, BERNARD	100	--	--	--	10/18/1973	--	--	U	--	--	--	--
132-057-34AAB	STIRUM ELEV	212	212	200	2	02/05/1973	75.00	02/05/1973	H	112BGFV	2750	--	--
132-057-34ABA	BAUMAN, RUM	244	238	233	3	08/07/1973	65.00	08/07/1973	H	112BGFV	2800	--	--
132-057-34AB8	LANGHAACK, HARRY	190	189	164	4	08/14/1973	65.00	08/14/1973	H	112BGFV	2800	--	--
132-057-35088	BUPP, KENNETH	170	168	163	4	08/16/1973	50.00	08/16/1973	S,H	112BGFV	2620	--	--
132-057-35088	MATHIAS, KUDNEY	168	168	160	2	02/01/1973	72.00	02/01/1973	S,H	112BGFV	2590	--	--
132-058-01AAC	VCULEK, BERNARD	100	--	--	--	10/18/1973	--	--	U	--	--	--	--
132-058-01AB8	VCULEK, BERNARD	100	--	--	--	09/12/1974	18.00	09/12/1974	U	--	--	--	1320
132-058-01ABU	VCULEK, BERNARD	95	95	--	--	10/18/1973	13.10	07/07/1975	I	112EGLV	710	10.0	1315
132-058-018AB	NUSWC 10023	96	85	82	1.25	10/24/1977	12.40	05/05/1978	U	112EGLV	750	8.0	1317
132-058-018AC1	VCULEK, BERNARD	90	--	--	--	09/01/1974	--	--	U	--	--	--	--
132-058-018AC2	VCULEK, BERNARD	80	80	60	16	09/10/1974	9.00	09/10/1974	I	112EGLV	--	--	--
132-058-0188A	NUSWC 10022	200	--	--	--	10/21/1977	--	--	U	--	--	--	1317
132-058-0188C1	NUSWC 9273	180	171	168	1.25	05/27/1975	5.06	06/03/1975	U	112EGLV	3330	7.5	1306
132-058-0188C2	NUSWC 9273A	40	23	20	1.25	05/27/1975	4.91	06/03/1975	U	112EGLV	866	7.0	1305
132-058-018CA1	VCULEK, BERNARD	100	--	--	--	10/18/1973	11.00	10/18/1973	U	--	--	--	1320
132-058-018CA2	VCULEK, BERNARD	94	92	62	16	08/30/1974	14.50	07/07/1975	I	112EGLV	660	10.0	1315
132-058-018DA	VCULEK, BERNARD	80	--	--	--	09/12/1974	18.00	09/12/1974	U	--	--	--	1320
132-058-01CAC	VCULEK, BERNARD	95	95	55	16	08/30/1974	20.75	08/30/1974	I	112EGLV	700	10.0	1325
132-058-01CCA1	VCULEK, BERNARD	95	--	--	--	10/18/1973	15.00	10/18/1973	U	--	--	--	--
132-058-01CCA2	VCULEK, BERNARD	100	--	20	4	05/19/1975	18.00	05/19/1975	U	--	--	--	--
132-058-01CCC1	NUSWC 9272	140	--	--	--	05/27/1975	--	--	U	--	--	--	1318
132-058-01CCC2	NUSWC 9272A	40	29	26	1.25	05/27/1975	14.40	06/03/1975	U	112EGLV	691	--	1318
132-058-01DDU	USBK #9	20	20	--	3	10/20/1966	14.10	02/12/1975	U	--	--	--	1317
132-058-02CCC	NUSWC 9274	180	111	108	1.25	05/28/1975	7.62	06/03/1975	U	112EGLV	778	8.0	1315
132-058-02DDU	USBK #5	20	20	--	3	10/19/1966	12.20	06/05/1975	U	--	--	--	1310
132-058-03AAA1	NUSWC 9595	160	--	--	--	06/14/1976	--	--	U	--	--	--	1312
132-058-03AAA2	NUSWC 9595A	80	71	68	1.25	06/15/1976	6.03	07/08/1976	U	112EGLV	720	7.5	1312
132-058-03AAA3	USBK #7	20	10	--	3	10/19/1966	5.50	06/05/1975	U	--	--	--	1312
132-058-03AAC	WIDMER, ARNOLD	80	--	--	--	11/15/1975	--	--	U	--	--	--	--
132-058-03AAD1	WIDMER, ARNOLD	80	--	--	--	12/03/1975	--	--	U	--	--	--	--
132-058-03AAU2	WIDMER, ARNOLD	100	--	--	--	11/15/1975	--	--	U	--	--	--	--
132-058-03AAU3	WIDMER, ARNOLD	80	80	60	12	06/13/1977	6.67	06/13/1977	I	112EGLV	--	--	--
132-058-03CCU	NUSWC 9594	180	--	--	--	06/11/1976	--	--	U	--	--	--	1315
132-058-04CCC	NUSWC 9227	180	--	--	--	11/20/1974	--	--	U	--	--	--	1320
132-058-04UCC	NUSWC 10020	160	--	--	--	10/19/1977	--	--	U	--	--	--	1311
132-058-08DBU	HUEBNER, KENNETH	80	--	--	--	10/30/1974	--	--	U	--	--	--	--
132-058-09C8U	HUEBNER, KENNETH	180	--	--	--	10/30/1974	--	--	U	--	--	--	--

LOCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAMETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE ( $\mu$ MHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
132-058-09080	HUEDNER, KENNETH	40	--	--	--	10/30/1974	--	--	U	--	--	--	--
132-058-090CA	HUEDNER, KENNETH	40	--	--	--	10/30/1974	--	--	U	--	--	--	--
132-058-09000	HUEDNER, KENNETH	40	--	--	--	10/30/1974	--	--	U	--	--	--	--
132-058-10A80	WIDMER, ANNOLD	180	175	169	4	04/17/1973	12.00	04/17/1973	S,H	112EGLV	4100	--	--
132-058-1000A	WIDMER, ANNOLD	180	--	--	--	07/01/1976	--	--	U	--	--	--	--
132-058-10000	WIDMER, ANNOLD	80	--	--	--	07/01/1976	--	--	U	--	--	--	--
132-058-118AA	NUSWC 10021	100	121	118	1.25	10/19/1977	18.75	04/26/1978	U	112EGLV	1500	--	--
132-058-11880	OLSON, JAMES	--	120	--	--	05/01/1976	--	--	I	112EGLV	1000	8.0	1314
132-058-11CC0	WIDMER, ANNOLD	40	--	--	--	07/01/1976	--	--	U	--	--	--	--
132-058-1100	SCHNEIDER, LERUY	80	--	--	--	10/24/1974	--	--	U	--	--	--	--
132-058-12A80	SCHNEIDER, LERUY	40	--	--	--	10/24/1974	--	--	U	--	--	--	--
132-058-128AA	GREENMEYER, JUHN	120	--	--	--	11/18/1975	--	--	U	--	--	--	--
132-058-128A81	SCHNEIDER, LERUY	20	--	--	--	10/24/1974	--	--	U	--	--	--	--
132-058-128A82	GREENMEYER, JUHN	100	--	--	--	11/18/1975	--	--	U	--	--	--	--
132-058-128A83	GREENMEYER, JUHN	120	111	105	4	11/14/1974	29.00	07/10/1975	H,S	112EGLV	875	10.0	1350
132-058-128A84	GREENMEYER, JUHN	118	118	78	16	04/17/1977	30.00	04/17/1977	I	112EGLV	--	--	--
132-058-12880	GREENMEYER, JUHN	120	--	--	--	11/18/1975	--	--	U	--	--	--	--
132-058-12CCA1	GREENMEYER, JUHN	101	--	--	--	10/15/1974	--	--	U	--	--	--	--
132-058-12CCA2	GREENMEYER, JUHN	91	91	71	16	12/23/1974	29.00	07/10/1975	I	112EGLV	1080	10.0	1330
132-058-138A8	VCULEK, FRANCIS	90	--	--	--	10/14/1974	--	--	U	--	--	--	--
132-058-138AC	VCULEK, FRANCIS	100	--	--	--	09/14/1974	--	--	U	--	--	--	--
132-058-138AD	VCULEK, FRANCIS	100	--	--	--	09/14/1974	--	--	U	--	--	--	1310
132-058-138BA1	VCULEK, FRANCIS	110	--	--	--	09/14/1974	--	--	U	--	--	--	1310
132-058-138BA2	VCULEK, FRANCIS	100	--	--	--	10/14/1974	--	--	U	--	--	--	1310
132-058-138801	NUSWC 9275	140	--	--	--	05/28/1975	--	--	U	--	--	--	1310
132-058-138802	NUSWC 9275A	40	31	28	1.25	05/28/1975	6.48	06/03/1975	U	112EGLV	780	8.0	1310
132-058-138803	US8K #4	19	10	--	5	10/19/1966	6.80	02/12/1975	U	--	--	--	1309
132-058-13880	VCULEK, FRANCIS	90	90	70	16	10/26/1974	13.00	10/26/1974	I	112EGLV	1130	--	1310
132-058-13CAC	WITKOWSKI, WAYNE	146	--	--	--	09/07/1976	--	--	U	--	--	--	--
132-058-13C80	WITKOWSKI, WAYNE	128	128	108	16	05/05/1977	35.00	07/28/1977	I	112EGLV	1500	8.5	--
132-058-13CCA1	WITKOWSKI, WAYNE	140	--	--	--	09/07/1976	--	--	U	--	--	--	--
132-058-13CCA2	WITKOWSKI, WAYNE	140	140	100	4	03/25/1977	15.00	03/25/1977	U	112EGLV	--	--	--
132-058-13CCC1	NUSWC 9590	160	114	108	1.25	06/09/1976	13.05	07/08/1976	U	112EGLV	1600	8.0	1319
132-058-13CCC2	NUSWC 9590A	60	51	48	1.25	06/09/1976	13.07	07/08/1976	U	112EGLV	670	7.5	1319
132-058-14008	WITKOWSKI, WAYNE	135	--	--	--	09/07/1976	--	--	U	--	--	--	--
132-058-14000	US8K #3	25	20	--	3	10/19/1966	14.30	02/12/1975	U	--	--	--	1316
132-058-168BA1	NUSWC 9268A	60	49	46	1.25	05/21/1975	8.38	06/03/1975	U	112EGLV	2140	--	1320
132-058-168BA2	NUSWC 9268	200	170	167	1.25	05/21/1975	11.98	06/03/1975	U	112EGLV	4100	--	1320
132-058-16CCA	VCULEK, FRANCIS	40	--	--	--	09/14/1974	--	--	U	--	--	--	1335
132-058-16DA0	BRUMMUND, GUNDOU	78	78	69	4	11/15/1974	30.00	11/15/1974	S,H	112EGLV	760	8.5	1375

LOCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAM- ETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (µMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
132-058-17AAA	VCULEK, BERNARD	30	30	20	4	05/19/1975	12.00	05/19/1975	U	112EGLV	--	--	--
132-058-17CAC	VCULEK, BERNARD	34	34	19	16	10/01/1974	15.00	10/01/1974	I	112EGLV	--	--	1325
132-058-17CCC	VCULEK, BERNARD	35	--	--	--	10/11/1976	--	--	U	--	--	--	--
132-058-17CDA	VCULEK, BERNARD	36	36	26	16	10/01/1976	20.00	10/01/1976	I	112EGLV	--	--	--
132-058-17CDD	VCULEK, BERNARD	40	--	--	--	10/11/1976	--	--	U	--	--	--	--
132-058-17DAA1	VCULEK, BERNARD	30	30	20	--	10/18/1973	11.00	10/18/1973	H	112EGLV	900	9.5	1320
132-058-17DAA2	VCULEK, BERNARD	40	30	20	5	09/14/1974	11.00	09/14/1974	U	112EGLV	--	--	1320
132-058-17DBA	VCULEK, BERNARD	40	--	--	--	09/12/1974	--	--	U	--	--	--	1320
132-058-17DBC	VCULEK, BERNARD	60	--	--	--	09/12/1974	--	--	U	--	--	--	1320
132-058-17DBD1	VCULEK, BERNARD	35	--	--	2	06/30/1976	--	--	U	112EGLV	--	--	--
132-058-17DBD2	VCULEK, BERNARD	25	--	--	2	06/30/1976	--	--	U	112EGLV	--	--	--
132-058-17DCB	VCULEK, BERNARD	40	40	--	--	09/12/1974	7.80	07/07/1975	I	112EGLV	910	8.0	1325
132-058-17DDH1	VCULEK, BERNARD	40	--	--	--	09/12/1974	--	--	U	--	--	--	1320
132-058-17DDH2	VCULEK, BERNARD	40	--	--	--	10/11/1976	--	--	U	--	--	--	--
132-058-20JUC	ENGQUIST, MAURITZ	--	810	790	1.25	01/01/1915	--	--	H	2170KUT	4250	11.3	--
132-058-21AAA1	NDSWC 9592	35	--	--	--	06/10/1976	--	--	U	--	--	--	1372
132-058-21AAA2	NDSWC 9593	220	--	--	--	06/10/1976	--	--	U	--	--	--	1373
132-058-21AAA3	NDSWC 9593A	80	72	66	1.25	06/10/1976	38.54	07/08/1976	U	112EGLV	1360	8.5	1373
132-058-21BBH1	NDSWC 9267	220	181	178	1.25	05/20/1975	19.77	06/03/1975	U	112EGLV	4300	7.5	1335
132-058-21BBH2	NDSWC 9267A	60	36	33	1.25	05/21/1975	9.46	06/03/1975	T	112EGLV	650	7.0	1335
132-058-21B8C1	VCULEK, FRANCIS	--	--	--	--	11/23/1969	21.00	P 06/29/1977	I	112EGLV	--	--	--
132-058-21B8C2	VCULEK, FRANCIS	--	--	--	--	11/23/1969	27.00	P 06/29/1977	I	--	--	--	--
132-058-21B8C3	VCULEK, FRANCIS	--	--	--	--	11/23/1969	27.40	S 06/29/1977	U	--	--	--	--
132-058-21B8C4	VCULEK, FRANCIS	--	--	--	--	11/23/1969	26.20	S 06/29/1977	U	--	--	--	--
132-058-21B8C5	VCULEK, FRANCIS	180	--	--	--	09/10/1975	--	--	U	--	--	--	--
132-058-21B8C6	VCULEK, FRANCIS	160	--	--	--	07/11/1977	--	--	U	--	--	--	--
132-058-21B8D1	VCULEK, FRANCIS	50	--	--	--	09/14/1974	--	--	U	--	--	--	1345
132-058-21B8D2	VCULEK, FRANCIS	160	--	--	--	09/10/1975	--	--	U	--	--	--	--
132-058-21B8D3	VCULEK, FRANCIS	--	--	--	--	11/23/1969	--	--	I	112EGLV	840	8.5	--
132-058-21B8D4	VCULEK, FRANCIS	190	--	--	--	07/11/1977	--	--	U	--	--	--	--
132-058-21CAC	VCULEK, BERNARD	60	--	--	--	10/15/1974	--	--	U	--	--	--	1330
132-058-21CBC	VCULEK, BERNARD	60	--	--	--	10/15/1974	--	--	U	--	--	--	--
132-058-21CCC	VCULEK, BERNARD	40	--	--	--	09/12/1975	--	--	U	--	--	--	--
132-058-21CCC1	VCULEK, BERNARD	80	--	--	--	05/21/1975	--	--	U	--	--	--	--
132-058-21CCC2	VCULEK, BERNARD	40	40	30	4	09/10/1975	12.00	09/10/1975	U	112EGLV	--	--	1350
132-058-21CUC	VCULEK, BERNARD	60	--	--	--	09/14/1974	--	--	U	--	--	--	1340
132-058-22AAA	NDSWC 9591	160	--	--	--	06/10/1976	--	--	U	--	--	--	1345
132-058-22UDU	USBR #=1	20	20	--	3	10/19/1966	11.00	02/12/1975	U	--	--	--	1311
132-058-24AAA1	NDSWC 9276	160	--	--	--	05/28/1975	--	--	U	--	--	--	1323
132-058-24AAA2	NDSWC 9276A	40	31	28	1.25	05/28/1975	19.13	06/05/1975	U	112EGLV	728	8.0	1323

LOCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAM- ETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (µMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
132-050-240AC	VCULEK, BERNARD	125	--	--	--	10/15/1974	--	--	U	--	--	--	1315
132-050-240BD1	VCULEK, BERNARD	56	56	16	16	11/01/1974	8.60	07/07/1975	I	112EGLV	525	10.0	1315
132-050-240BD2	VCULEK, BERNARD	117	117	77	16	10/10/1976	14.00	10/10/1976	I	112EGLV	--	--	--
132-050-240CA	VCULEK, BERNARD	121	121	81	16	10/20/1976	16.50	10/20/1976	I	112EGLV	--	--	--
132-050-240DD1	NDSWC 9589	120	103	100	1.25	06/09/1976	10.90	07/07/1976	U	112EGLV	580	8.0	1313
132-050-240DD2	USBR W-10	20	20	--	3	10/20/1966	12.80	02/12/1975	U	--	--	--	1312
132-050-26AAA1	NDSWC 9277	160	101	98	1.25	05/28/1975	4.72	06/05/1975	U	112EGLV	1710	8.5	1308
132-050-26AAA2	NDSWC 9277A	60	41	38	1.25	05/29/1975	3.41	06/05/1975	U	112EGLV	685	8.0	1308
132-050-26AAC	VCULEK, BERNARD	135	--	--	--	10/08/1976	--	--	U	--	--	--	--
132-050-33CC	BUTTKL, KEITH	35	35	25	4	05/23/1977	20.00	05/23/1977	H	112BGFV	--	--	--
132-050-35AAA1	NDSWC 9587	180	139	136	1.25	06/09/1976	18.44	07/07/1976	U	112EGLV	1650	8.2	1320
132-050-35AAA2	NDSWC 9587A	60	45	42	1.25	06/09/1976	17.60	07/07/1976	U	112EGLV	1430	8.0	1320
132-050-36CCC	USBR W-12	25	--	--	3	10/20/1966	10.40	02/12/1975	U	--	--	--	1310
133-053-1188B1	NDSWC 9262	300	--	--	--	12/12/1974	--	--	U	--	--	--	1075
133-053-1188B2	NDSWC 9262A	60	51	48	1.25	12/12/1974	5.79	05/13/1975	U	112SNUL	4000	6.0	1075
133-053-16DDU	GRIEGB, JOHN	--	630	610	1.25	1960	--	--	S,H	217DKUT	4500	14.0	--
133-053-17AAA	GREGOR, EUGENE	--	20	17	1.25	10/ /1976	--	--	H	112SNUL	600	--	--
133-053-2088B	NDSWC 9985	140	33	30	1.25	09/29/1977	6.28	12/14/1977	U	112SNUL	1700	8.0	1072
133-053-2188B	NDSWC 9986	220	41	38	1.25	09/29/1977	--	--	U	112SNUL	--	--	1070
133-053-34ABC	CUSTAIN, HANLEY	--	16	--	--	1966	--	--	S	112SNUL	4000	10.0	--
133-053-3588B	NDSWC 9261	240	--	--	--	12/12/1974	--	--	U	--	--	--	1066
133-054-0188D1	RUTENBERGER, RONALD	158	--	--	--	02/28/1975	--	--	U	--	--	--	--
133-054-0188D2	RUTENBERGER, RONALD	29	29	20	12	07/23/1976	7.20	07/23/1976	I	112SNUL	--	--	--
133-054-0188D3	RUTENBERGER, RONALD	32	32	22	12	08/02/1976	7.50	08/02/1976	I	112SNUL	--	--	--
133-054-02UCC	BEEM, GRANT	--	14	11	1.25	09/ /1976	12.00	09/ /1976	S	112SNUL	620	10.0	--
133-054-0388D	CRUSS, LAWRENCE	80	--	--	--	12/15/1976	--	--	U	--	--	--	--
133-054-03DD1	NDSWC 9981	140	111	108	1.25	09/15/1977	2.74	12/15/1977	U	112BDVL	700	8.0	1075
133-054-03DD2	NDSWC 9981A	40	32	29	1.25	09/15/1977	3.07	12/15/1977	U	112SNUL	800	7.5	1075
133-054-0488B	NDSWC 9999	120	--	--	--	10/10/1977	--	--	U	--	--	--	1103
133-054-04CAC	CASE, DALE	60	--	--	--	08/14/1976	--	--	U	--	--	--	--
133-054-04CDA	CASE, DALE	40	--	--	--	08/14/1976	--	--	U	--	--	--	--
133-054-04DAC	CASE, DALE	77	77	60	14	10/26/1976	15.50	10/26/1976	I	112SNUL	--	--	--
133-054-04DBB	CASE, DALE	50	--	--	--	08/14/1976	--	--	U	--	--	--	--
133-054-04DBC	CASE, DALE	40	--	--	--	08/14/1976	--	--	U	--	--	--	--
133-054-04DBD	CASE, DALE	55	--	--	--	08/14/1976	--	--	U	--	--	--	--
133-054-04DDA	CASE, DALE	55	--	--	--	08/14/1976	--	--	U	--	--	--	--
133-054-04DDC	CASE, DALE	46	46	26	14	10/16/1976	12.50	10/16/1976	I	112SNUL	--	--	--
133-054-04DDU	NDSWC 1247	105	--	--	--	11/05/1957	--	--	U	--	--	--	1087
133-054-058CA	HEATH, EARL	40	--	--	--	10/01/1976	--	--	U	--	--	--	--
133-054-058CC	HEATH, EARL	75	--	--	--	10/01/1976	--	--	U	--	--	--	--

LOCAL NUMBER	DOWNER	DEPTH TO CASING (FEET)	DEPTH TO FIMST OPENING (FEET)	DEPTH OF WELL (FEET)	DEPTH OF MELL OPENING (FEET)	DEPTH TO CASING (INCHES)	DATE COMPLETED (FEET)	WATER LEVEL (FEET)	MEASURED WATER LEVEL DATE	USE OF WATER	PRINCIPAL ADJUTER	SPECIFIC CONDUCTANCE AT 25°C (UMHO/CM)	TEMPERATURE (DEGREES C)	SURFACE OF LAND ALTITUDE (FEET)
133-054-058CD	HEATH, EARL	75	--	--	--	--	10/01/1976	--	--	U	--	--	--	--
133-054-058DB	HEATH, EARL	60	--	--	--	--	10/01/1976	--	--	U	--	--	--	--
133-054-058DB	SENECHAL, MYRON	80	33	40	73	2	01/22/1976	--	--	--	--	--	--	--
133-054-058DB	SENECHAL, MYRON	75	33	40	73	12	01/25/1976	12.00	07/15/1976	I	1128NDL	--	--	--
133-054-070DD	WILLIAMSON, GARY	--	45	--	--	--	10/26/1976	--	--	8,H	1128NDL	570	--	1128
133-054-080AA	CRUSS, NORMAN	57	--	--	--	--	08/11/1976	--	--	U	--	--	--	--
133-054-080AA	CRUSS, NORMAN	55	--	--	--	--	08/11/1976	--	--	U	--	--	--	--
133-054-080BB	CRUSS, NORMAN	47	--	--	--	--	08/11/1976	--	--	U	--	--	--	--
133-054-080BA	CRUSS, NORMAN	40	--	--	--	--	08/11/1976	--	--	U	--	--	--	--
133-054-080AB	CRUSS, NORMAN	30	--	--	--	--	07/17/1976	--	--	U	--	--	--	--
133-054-080AC	CRUSS, NORMAN	41	--	--	--	--	07/17/1976	--	--	U	--	--	--	--
133-054-080AD	CRUSS, NORMAN	30	--	--	--	--	07/17/1976	--	--	U	--	--	--	--
133-054-080DA	CRUSS, NORMAN	59	--	--	--	--	08/11/1976	--	--	U	--	--	--	--
133-054-090AA	NOBHC 9982	120	33	36	41	1.25	09/15/1977	14.79	10/06/1977	U	1128NDL	650	8.5	1085
133-054-090AA	NOBHC 9982	160	36	36	41	1.25	12/15/1976	.89	10/06/1977	U	1128NDL	5000	7.9	1100
133-054-090AA	WILLIAMSON, AMN1	160	800	--	--	--	1906	--	--	H	2170KUT	--	--	--
133-054-1288B1	NOBHC 9983	160	150	131	1.25	09/15/1977	4.73	12/15/1977	U	1128GFV	1920	8.5	1071	
133-054-1288B2	NOBHC 9983A	40	33	28	1.25	09/15/1977	6.00	12/14/1977	U	1128NDL	620	8.0	1071	
133-054-160DD	NOBHC 9876	120	50	47	1.25	09/28/1975	12.45	12/15/1977	U	1128NDL	3700	7.5	1094	
133-054-190CB	YAGUM, MERLYN	50	--	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-054-190CB	YAGUM, MERLYN	65	--	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-054-190CC	NOBHC 9975	100	48	45	1.25	09/15/1977	5.61	12/15/1977	U	1128NDL	1150	8.0	1117	
133-054-2288B	NOBHC 1246	32	--	--	--	--	11/04/1957	--	--	U	--	--	--	1095
133-054-24AAA	NOBHC 9984	156	--	--	--	--	09/15/1977	--	--	U	--	--	--	1070
133-054-2400	PHANTE, RUSCOE	100	--	--	--	--	10/26/1976	--	--	U	1128NDL	632	--	--
133-054-2588A	OLSON, IRLING	100	--	--	--	--	02/25/1975	--	--	U	--	--	--	--
133-054-26AAC	OLSON, IRLING	60	--	--	--	--	03/13/1975	--	--	U	--	--	--	--
133-054-26ACC	OLSON, IRLING	41	--	--	--	--	10/21/1976	--	--	U	--	--	--	--
133-054-26ADA	OLSON, IRLING	55	--	--	--	--	10/21/1976	--	--	U	--	--	--	--
133-054-26ADD	OLSON, IRLING	100	--	--	--	--	10/21/1976	--	--	U	--	--	--	--
133-054-26ADD	OLSON, IRLING	60	--	--	--	--	10/21/1976	--	--	U	--	--	--	--
133-054-26BDD	OLSON, IRLING	100	--	--	--	--	02/21/1975	--	--	U	--	--	--	--
133-054-28CAA	FICENEC, FRANCIS	46	--	--	--	--	02/21/1975	--	--	U	--	--	--	--
133-054-28CAB	FICENEC, FRANCIS	46	--	--	--	--	02/21/1975	--	--	U	--	--	--	--
133-054-28CBB	FICENEC, FRANCIS	60	30	--	--	--	02/26/1975	--	--	U	1128NDL	--	--	--
133-054-28CBB	FICENEC, FRANCIS	65	--	--	--	--	10/25/1974	--	--	U	--	--	--	--
133-054-28CBB	FICENEC, FRANCIS	80	--	--	--	--	10/25/1974	--	--	U	--	--	--	--

LOCAL NUMBER	OWNER	DEPTH UNILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAMETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (UMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
133-054-29A88	FICENEC, FRANCIS	55	--	--	--	08/05/1976	--	--	U	--	--	--	--
133-054-29ABC	FICENEC, FRANCIS	60	--	--	--	08/05/1976	--	--	U	--	--	--	--
133-054-29CAA1	YAGUM, MURRIS	60	60	50	--	05/10/1977	--	--	I	1128NDL	--	--	--
133-054-29CAA2	YAGUM, MURRIS	60	--	--	--	05/10/1977	--	--	U	--	--	--	--
133-054-29C8A	YAGUM, MURRIS	70	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-054-29CCA	YAGUM, MURRIS	80	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-054-29CCC	YAGUM, MURRIS	70	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-054-29CC0	YAGUM, MURRIS	80	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-054-29C00	YAGUM, MURRIS	100	--	--	--	05/01/1977	--	--	U	--	--	--	--
133-054-29UAA	FICENEC, FRANCIS	60	60	50	4	02/26/1975	17.16	11/10/1976	U	1128GFV	--	--	--
133-054-29DAB	FICENEC, FRANCIS	60	--	--	--	10/20/1976	--	--	U	--	--	--	--
133-054-29UAC	FICENEC, FRANCIS	20	--	--	--	10/20/1976	--	--	U	--	--	--	--
133-054-29DAU1	FICENEC, FRANCIS	56	56	41	16	06/18/1975	10.00	06/18/1975	I	1128GFV	--	--	--
133-054-29DAU2	FICENEC, FRANCIS	40	--	--	--	10/20/1976	--	--	U	--	--	--	--
133-054-29DDA	FICENEC, FRANCIS	60	--	--	--	10/25/1974	--	--	U	--	--	--	--
133-054-29DDB1	FICENEC, FRANCIS	60	--	--	--	10/25/1974	--	--	U	--	--	--	--
133-054-29DDB2	FICENEC, FRANCIS	40	--	--	--	10/20/1976	--	--	U	--	--	--	--
133-054-29DDB3	FICENEC, FRANCIS	60	--	--	--	10/20/1976	--	--	U	--	--	--	--
133-054-29DDC	FICENEC, FRANCIS	40	--	--	--	10/20/1976	--	--	U	--	--	--	--
133-054-29DDU1	FICENEC, FRANCIS	60	--	--	--	10/25/1974	--	--	U	--	--	--	--
133-054-29DDU2	FICENEC, FRANCIS	61	61	46	16	06/16/1975	10.00	06/16/1975	I	1128GFV	--	--	--
133-054-29DDU3	FICENEC, FRANCIS	61	--	--	--	10/20/1976	--	--	U	--	--	--	--
133-054-31UCA	FICENEC, FRANCIS	60	--	--	--	10/28/1974	--	--	U	--	--	--	--
133-054-31UDB1	FICENEC, FRANCIS	65	--	--	--	10/28/1974	--	--	U	--	--	--	--
133-054-31UDB2	FICENEC, FRANCIS	65	--	--	--	06/18/1975	--	--	U	--	--	--	--
133-054-31DD0	NDSWC 9972	100	34	31	1.25	09/13/1977	--	--	U	1128GFV	--	--	--
133-054-32AAA	NDSWC 9643	120	51	48	1.25	12/14/1976	8.18	12/15/1977	U	1128MUL	570	9.0	1115
133-054-32BBA	WILLIAMSUN, ALFREU	--	15	--	--	1956	--	--	H	1128NDL	540	--	--
133-054-32BBU	YAGUM, MURRIS	100	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-054-32BCA	YAGUM, MURRIS	60	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-054-32BDB	YAGUM, MURRIS	60	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-054-36BAC	ULSON, IRVING	80	--	--	--	11/10/1976	--	--	U	--	--	--	--
133-054-36BAU	ULSON, IRVING	60	--	--	--	11/10/1976	--	--	U	--	--	--	--
133-054-36BBL	ULSON, IRVING	40	--	--	--	11/10/1976	--	--	U	--	--	--	--
133-055-04CCC	QUAL, LOUIS	84	84	79	4	05/23/1972	56.00	05/23/1972	H	1128GFV	700	--	--
133-055-09AAC1	QUAL, LOUIS	125	--	--	--	10/19/1976	--	--	U	--	--	--	--
133-055-09AAC2	QUAL, LOUIS	100	--	--	--	10/19/1976	--	--	U	--	--	--	--
133-055-09AAD	QUAL, LOUIS	90	--	--	--	10/19/1976	--	--	U	--	--	--	--
133-055-10DDU	NELSON, DAVE	103	103	96	4	08/13/1974	68.00	06/13/1974	H	1128GFV	--	--	--
133-055-13AAA	NDSWC 9977	160	86	83	1.25	09/14/1977	31.62	12/15/1977	U	1128GFV	580	9.0	1140



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133-055-13ACD	NELSON, DAVE	50	--	--	--	09/01/1976	--	--	U	--	--	--	--
133-055-13CCC	NUSWC 9976	160	--	--	--	09/13/1977	--	--	U	--	--	--	1155
133-055-13080	NELSON, DAVE	60	--	--	--	09/01/1976	--	--	U	--	--	--	--
133-055-140DB	NELSON, DAVE	120	--	--	--	12/15/1976	--	--	U	--	--	--	--
133-055-158AA	HANNA, RICHARD	81	81	75	4	06/06/1974	60.00	08/06/1974	H	1128GFV	--	--	--
133-055-1688U	QUAL, LOUIS	165	--	--	--	10/19/1976	--	--	U	--	--	--	--
133-055-16CCA	QUVAL, LOWELL	--	850	--	--	1910	--	--	S	2170KUT	5500	8.0	--
133-055-1600U	NUSWC 4875	200	--	--	--	10/28/1975	--	--	U	--	--	--	1184
133-055-180CU	MAIRS, RANDY	80	80	72	4	06/08/1974	58.00	06/08/1974	H	--	2400	7.5	--
133-055-1988A	MAIRS, DALE	85	85	78	4	06/18/1974	57.00	06/18/1974	S,H	1128GFV	3500	--	--
133-055-20CB8	FREEBERG, LEONARD	920	920	710	2	04/07/1973	--	--	S	2170KUT	3760	12.0	--
133-055-22A88	FREEBERG, KEITH	90	90	83	4	08/07/1974	50.00	08/07/1974	S,H	1128GFV	2600	8.5	--
133-055-220DU	NUSWC 9974	180	105	102	1.25	09/13/1977	44.12	12/15/1977	U	1128GFV	2200	8.0	1170
133-055-24ABU	NELSON, DAVID	80	--	--	--	12/14/1976	--	--	U	--	--	--	--
133-055-240AB	YAGUN, MERLYN	105	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-055-240AD	YAGUN, MERLYN	40	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-055-2408U	YAGUN, MERLYN	35	--	--	--	04/22/1976	--	--	U	--	--	--	--
133-055-240CU	YAGUN, MERLYN	35	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-055-240DU	YAGUN, MERLYN	90	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-055-240DB1	YAGUN, MERLYN	40	--	--	--	04/22/1976	--	--	U	--	--	--	--
133-055-240DB2	YAGUN, MERLYN	40	--	--	--	09/23/1976	--	--	U	--	--	--	--
133-055-29AAD	MUND, MYRON	95	95	92	4	10/05/1974	35.00	10/03/1974	H	1128GFV	--	--	--
133-055-33A88	RINGDAHL, LOWELL	--	110	--	2	1971	--	--	H	1128GFV	2800	--	--
133-055-34888	NUSWC 9973	180	116	113	1.25	09/13/1977	58.83	12/15/1977	U	1128GFV	2100	8.5	1105
133-056-050DU	NUSWC 4874	220	121	118	1.25	10/27/1975	35.68	05/10/1977	U	11280VL	--	--	1260
133-056-12888	NUSWC 10018	400	--	--	--	10/19/1977	--	--	U	--	--	--	1228
133-056-13A88	PUTTS, DANIEL	--	63	--	--	09/01/1963	--	--	H	1128GFV	3000	--	--
133-056-26A88	ZWEITZIG, JACOB	--	850	810	2	1965	--	--	S,H	2170KUT	4500	--	--
133-056-280DA	NUSWC 9938	200	--	--	--	08/24/1977	--	--	U	--	--	--	1282
133-056-32888	GREENLEY, RUSSELL	--	210	205	2	01/01/1947	--	--	H	1128GFV	5100	8.0	--
133-056-3288U	GREENLEY, RUSSELL	1011	976	956	2	01/18/1973	2.00	01/18/1973	S,H	2170KUT	4500	11.2	--
133-057-02CAC	MCALLISTER, VELMA	150	145	139	1	05/26/1977	19.67	05/26/1977	U	11280VL	--	--	--
133-057-02CBA	MCALLISTER, VELMA	150	--	--	--	05/20/1977	--	--	U	--	--	--	--
133-057-02C8U	MCALLISTER, VELMA	150	--	--	--	05/19/1977	--	--	U	--	--	--	--
133-057-03ADU	NUSWC 9929	220	--	--	--	08/17/1977	--	--	U	--	--	--	1351
133-057-030AB	HAMMER, ANLEY	140	122	107	16	04/16/1977	--	--	I	11280VL	--	--	--
133-057-030AC	HAMMER, ANLEY	155	--	--	--	12/24/1976	18.00	12/24/1976	U	11280VL	--	--	--
133-057-030DD	NUSWC 9934	220	--	--	--	08/22/1977	--	--	U	--	--	--	1347
133-057-058AC	MCDANIEL, PHILIP	50	--	--	--	10/30/1974	--	--	U	--	--	--	--
133-057-058AU	MCDANIEL, PHILIP	50	--	--	--	10/30/1974	--	--	U	--	--	--	--

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133-057-0588D	MCDANIEL, PHILIP	52	--	--	--	10/30/1974	--	--	U	--	--	--	--
133-057-058DC	MCDANIEL, PHILIP	50	--	--	--	10/30/1974	--	--	U	--	--	--	--
133-057-068DC	DICK, RAY	60	--	--	--	10/24/1974	--	--	U	--	--	--	--
133-057-068CCD	DICK, RAY	53	--	--	--	04/02/1976	12.50	04/02/1976	U	--	--	--	--
133-057-06UCB	DICK, RICHARD	40	--	--	--	10/24/1974	--	--	U	--	--	--	--
133-057-06DDA	DICK, RICHARD	40	--	--	--	10/24/1974	--	--	U	--	--	--	--
133-057-07ACC	DICK, RAY	--	39	--	--	1976	--	--	I	112EGLV	550	--	--
133-057-078BB	DICK, RAY	40	--	--	--	10/24/1974	--	--	U	--	--	--	--
133-057-078DU	DICK, RAY	--	35	--	--	1976	26.00	07/27/1977	I	112EGLV	520	--	--
133-057-07CAC	STREICH, URRIN	50	--	--	--	06/21/1974	8.00	06/21/1974	U	--	--	--	1328
133-057-07CCC	STREICH, URRIN	80	--	--	--	04/04/1967	--	--	U	--	--	--	--
133-057-07CDC	STREICH, URRIN	80	--	--	--	04/04/1967	--	--	U	--	--	--	--
133-057-07CDD	STREICH, URRIN	80	--	--	--	04/04/1967	--	--	U	--	--	--	--
133-057-07DA	DICK, TIM	143	--	--	--	12/17/1976	--	--	U	--	--	--	--
133-057-07DBU	DICK, TIM	40	--	--	--	10/24/1974	--	--	U	--	--	--	--
133-057-08DB	DICK, TIM	60	--	--	--	12/18/1976	--	--	U	--	--	--	--
133-057-08DBB	DICK, TIM	220	--	--	--	02/07/1977	--	--	U	--	--	--	--
133-057-08DCC	DICK, TIM	40	--	--	--	02/07/1977	--	--	U	--	--	--	--
133-057-10AAA	HAMMER, ANLLEY	150	130	124	4	08/01/1972	26.00	08/01/1972	H	1128DVL	1850	--	--
133-057-10AAB	NDSWC 9936	220	113	110	1.25	08/22/1977	40.96	09/08/1977	U	112ELOT	2300	--	1355
133-057-10ABB	NDSWC 9935	240	--	--	--	08/22/1977	--	--	U	--	--	--	--
133-057-13AAD	NDSWC 9937	200	--	--	--	08/22/1977	--	--	U	--	--	--	1375
133-057-14UCC	NDSWC 9931	200	151	148	1.25	08/17/1977	15.79	12/01/1977	U	112ELOT	2600	8.0	1311
133-057-14DDU	NDSWC 9932	200	173	170	1.25	08/19/1977	26.34	12/01/1977	U	112ELOT	2400	8.0	1335
133-057-15DAA	NDSWC 4873	200	--	--	--	10/23/1975	--	--	U	--	--	--	1330
133-057-16CDD	KEMPEL, ADAM	170	170	165	4	08/16/1972	52.00	08/16/1972	H	1128GFV	2000	--	1346
133-057-178AC	STREICH, URRIN	40	--	--	--	10/25/1974	--	--	U	--	--	--	--
133-057-178CA	STREICH, URRIN	60	--	--	--	10/25/1974	--	--	U	--	--	--	1322
133-057-178CD	STREICH, URRIN	40	--	--	--	10/25/1974	--	--	U	--	--	--	1325
133-057-18AAA	NDSWC 9608	200	--	--	--	06/23/1976	--	--	U	--	--	--	1320
133-057-180CB	STREICH, ELDON	42	--	--	--	02/23/1976	--	--	U	--	--	--	1322
133-057-180CC1	STREICH, ELDON	22	--	--	--	02/25/1975	--	--	U	--	--	--	--
133-057-180CC2	STREICH, ELDON	40	--	--	--	02/26/1976	--	--	U	--	--	--	--
133-057-180CD	STREICH, ELDON	42	--	--	--	02/28/1976	--	--	U	--	--	--	--
133-057-19AAA	HUETHER, BILL	60	--	--	--	06/24/1977	--	--	U	--	--	--	--
133-057-19UCC1	NDSWC 9599	80	--	--	--	06/17/1976	--	--	U	--	--	--	--
133-057-19UCC2	NDSWC 9600	180	--	--	--	06/17/1976	--	--	U	--	--	--	1345
133-057-19UCC3	STREICH, URRIN	60	--	--	--	06/21/1974	--	--	U	--	--	--	1345
133-057-22ABA	HUETHER, RICHARD	265	222	212	2	05/03/1977	--	--	U	1128DVL	--	--	--
133-057-22ACA	HUETHER, RICHARD	295	--	--	--	04/27/1977	--	--	U	--	--	--	--

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133-057-22A0B	HUETHER, RICHARD	265	--	--	--	05/02/1977	--	--	U	--	--	--	--
133-057-22A0U	HUETHER, RICHARD	155	153	143	2	05/13/1977	26.00	05/13/1977	U	112B0VL	--	--	--
133-057-22B0B	NUSNC 9935	220	--	--	--	08/19/1977	--	--	U	--	--	--	1370
133-057-22B0U	HUETHER, RICHARD	265	260	250	1.25	04/26/1977	48.00	04/26/1977	U	112B0FV	--	--	--
133-057-23AAA	KRCHNAVY, E & E	163	163	158	4	11/29/1975	29.00	11/29/1975	H	112ELOT	2600	8.0	--
133-057-24B0B	NUSNC 9930	200	--	--	--	08/17/1977	--	--	U	--	--	--	1347
133-057-230CC	DICK, RUBERT	147	147	142	4	08/03/1976	31.00	08/03/1976	H	112B0FV	2200	--	--
133-057-25B8A	DICK, ELMER	115	115	110	4	08/26/1972	29.00	08/26/1972	H	112B0FV	2790	--	--
133-057-30CCA	VCULEK, BERNARD	100	--	--	--	05/19/1977	--	--	U	--	--	--	--
133-057-30CCB	VCULEK, BERNARD	100	--	--	--	05/19/1977	--	--	U	--	--	--	--
133-057-30CCU	NUSNC 9597	70	46	43	1.25	06/16/1976	8.27	07/08/1976	U	112EGLV	830	8.0	1315
133-057-30DDC	NUSNC 9270	160	--	--	--	05/22/1975	--	--	U	--	--	--	1325
133-057-31ABA	NUSNC 9598	160	--	--	--	06/16/1976	--	--	U	--	--	--	1326
133-057-31CDB	VCULEK, BERNARD	90	90	60	4	04/09/1974	20.00	04/09/1974	U	112EGLV	--	--	--
133-057-31DCB	VCULEK, BERNARD	87	87	67	16	08/01/1974	26.00	08/01/1974	I	112EGLV	725	10.0	--
133-057-34ADA	KEMPFL, DAVID	150	150	143	4	08/26/1974	33.00	08/26/1974	H	112B0FV	2200	--	--
133-058-01C8A	WAGNER, RUN	87	87	47	16	12/ /1976	25.00	12/ /1976	I	112EGLV	--	--	--
133-058-01CDD	MAGILL, RUBERT	220	--	--	--	12/06/1975	--	--	U	--	--	--	--
133-058-01UDB	WAGNER, RUN	115	--	--	--	09/29/1976	--	--	U	--	--	--	--
133-058-02B8B	FUGL, WILLIAM	107	107	97	4	08/30/1976	95.00	08/30/1976	H	112B0FV	1600	9.0	--
133-058-11A8C1	SCHNEIDER, LERUY	60	--	--	--	02/15/1975	--	--	U	--	--	--	--
133-058-11A8C2	SCHNEIDER, LERUY	55	55	38	12	06/11/1975	13.50	06/11/1975	I	112EGLV	600	--	--
133-058-11CCC	NUSNC 4887	240	--	--	--	11/04/1975	--	--	U	--	--	--	1340
133-058-11DCC1	NUSNC 9610	140	--	--	--	06/23/1976	--	--	U	--	--	--	1322
133-058-11DCC2	NUSNC 9610A	50	46	43	1.25	06/23/1976	8.16	07/08/1976	U	112EGLV	560	8.0	1324
133-058-11DDB	SCHNEIDER, LERUY	--	82	--	--	10/26/1976	24.00	05/19/1977	I	112EGLV	540	--	--
133-058-12AAA	NUSNC 4889	160	45	40	1.25	11/04/1975	9.50	11/13/1975	U	112EGLV	460	8.0	1327
133-058-12B8B	NUSNC 4888	160	36	33	1.25	11/04/1975	18.68	11/13/1975	U	112EGLV	540	8.0	1325
133-058-12CDD	NUSNC 9609	160	--	--	--	06/23/1976	--	--	U	--	--	--	1327
133-058-13AAA	NUSNC 4890	180	51	46	1.25	11/04/1975	17.86	12/04/1975	U	112EGLV	--	--	1334
133-058-13CCU	NUSNC 9606	160	90	84	1.25	06/22/1976	8.81	07/08/1976	U	112EGLV	625	8.2	1321
133-058-14A0B	DAHL, RUYCE	80	80	40	16	11/15/1976	15.00	11/15/1976	I	112EGLV	500	--	--
133-058-14B0B1	NUSNC 4886	255	153	150	1.25	10/31/1975	4.80+	05/05/1976	U	112B0FV	2600	7.5	1340
133-058-14B8B2	NUSNC 4886A	255	199	196	1.25	11/03/1975	2.37+	05/05/1976	U	112B0FV	3000	--	1340
133-058-14UCC	NUSNC 9605	160	--	--	--	06/22/1976	--	--	U	--	--	--	1330
133-058-16B8B	NUSNC 10019	200	--	--	--	10/19/1977	--	--	U	--	--	--	1354
133-058-19CCU	MAGILL, KULANO	1215	1215	1152	2	11/26/1970	--	--	S,H	217DKOT	3100	17.0	--
133-058-21A8U	PETERSON, LUCIEN	1145	1145	1101	2	12/19/1975	--	--	S	217DKOT	3400	11.5	--
133-058-220DU1	FUGL, ALLAN	--	1240	--	--	11/01/1961	--	--	S	217DKOT	4000	11.2	--
133-058-220DU2	NUSNC 9596	240	--	--	--	06/16/1976	--	--	U	--	--	--	1365

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133-058-230AA1	PETERSON, LUCIEN	80	--	--	--	11/17/1975	--	--	U	--	--	--	--
133-058-230AA2	PETERSON, LUCIEN	76	76	36	16	11/21/1976	8.00	11/21/1976	I	112EGLV	--	--	--
133-058-230AC	PETERSON, LUCIEN	80	--	--	--	11/26/1975	--	--	U	--	--	--	--
133-058-230AD	PETERSON, LUCIEN	76	75	35	16	11/23/1976	8.00	11/23/1976	I	112EGLV	--	--	--
133-058-230CC	PETERSON, LUCIEN	100	--	--	--	11/16/1975	--	--	U	--	--	--	--
133-058-24AAA1	NUSMC 9607	200	--	--	--	06/23/1976	--	--	U	--	--	--	--
133-058-24AAA2	NUSMC 9607A	60	50	47	1.25	06/23/1976	2.81	07/08/1976	U	112EGLV	500	7.5	1313
133-058-24AAC	SCHWAB BRUS	40	--	--	--	02/03/1975	--	--	U	--	--	--	1313
133-058-24ACA	SCHWAB BRUS	40	--	--	--	03/06/1975	--	--	U	--	--	--	--
133-058-24ACC	SCHWAB BRUS	35	--	--	--	03/06/1975	--	--	U	--	--	--	--
133-058-24ADC1	SCHWAB BRUS	40	--	--	--	02/03/1975	--	--	U	--	--	--	--
133-058-24ADC2	SCHWAB BRUS	51	45	30	12	06/12/1975	17.00	06/12/1976	I	112EGLV	--	--	--
133-058-24AAA1	SCHWAB BRUS	60	--	--	--	02/03/1975	--	--	U	--	--	--	--
133-058-24AAA2	SCHWAB BRUS	52	48	28	12	06/12/1975	12.00	06/12/1975	I	112EGLV	--	--	--
133-058-240BB	SCHWAB BRUS	36	--	--	--	02/01/1975	--	--	U	--	--	--	--
133-058-240BD	SCHWAB BRUS	42	--	--	--	01/21/1976	--	--	U	--	--	--	--
133-058-25AAA1	NUSMC 8885	100	41	38	1.25	10/31/1975	12.17	12/04/1975	U	112EGLV	675	8.5	1322
133-058-25AAA2	NUSMC 8885A	160	92	89	1.25	10/31/1975	--	--	U	112EGLV	--	--	1322
133-058-25AAA3	NUSMC 9601	90	--	--	--	06/17/1976	--	--	U	--	--	--	1323
133-058-25AAA4	NUSMC 9602	160	--	--	--	06/18/1976	--	--	U	--	--	--	1323
133-058-25ACD	SCHWAB, BILL	--	49	--	--	03/20/1977	18.00	06/29/1977	I	112EGLV	560	8.5	--
133-058-2588H	NUSMC 9603	80	64	61	1.25	06/22/1976	8.07	07/08/1976	U	112EGLV	1120	8.5	1318
133-058-25CCC1	NUSMC 9269	220	201	198	1.25	05/21/1975	19.55	06/26/1975	U	1128GFV	2310	--	1330
133-058-25CCC2	NUSMC 9269A	60	46	43	1.25	05/21/1975	21.20	06/26/1975	U	112EGLV	582	--	1330
133-058-25C0C	USBR W-8	20	10	--	3	10/20/1966	5.10	06/05/1975	U	--	--	--	1313
133-058-26AAA	MAGILL, RULAND	152	--	88	--	06/08/1976	--	--	U	--	--	--	--
133-058-26ADA	MAGILL, RULAND	120	--	--	--	11/17/1975	--	--	U	--	--	--	--
133-058-26ADU1	MAGILL, RULAND	100	--	--	--	04/13/1976	--	--	U	--	--	--	--
133-058-26ADU2	MAGILL, RULAND	--	--	--	--	10/26/1976	--	--	I	112EGLV	670	8.5	--
133-058-2688D	MAGILL, RULAND	200	--	--	--	04/09/1976	--	--	U	--	--	--	--
133-058-27AAC1	MAGILL, RULAND	110	--	--	--	03/30/1976	--	--	U	--	--	--	--
133-058-27AAC2	MAGILL, RULAND	100	--	--	--	03/30/1976	--	--	U	--	--	--	--
133-058-3488U	VCULEK, BERNARD	170	--	--	--	10/08/1976	--	--	U	--	--	--	--
133-058-368AC	WAGNER, RUN	--	60	--	--	06/01/1975	--	--	I	112EGLV	560	--	--
133-058-36808	WAGNER, RUN	60	51	39	12	04/21/1977	16.00	04/21/1977	I	112EGLV	--	--	--
133-058-36CCA1	WAGNER, RUN	100	--	--	--	04/19/1977	--	--	U	--	--	--	--
133-058-36CCA2	WAGNER, RUN	120	112	100	12	04/20/1977	16.00	04/20/1977	I	112EGLV	500	--	--
134-053-0208D	PFLINGSTEN, URVILLE	70	--	--	--	10/28/1976	--	--	U	--	--	--	--
134-053-03CCC1	NUSMC 9265	280	--	--	--	12/17/1974	--	--	U	--	--	--	1075
134-053-03CCC2	NUSMC 9265A	80	51	48	1.25	12/17/1974	--	--	U	1128MDL	700	8.5	1075

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134-053-03CCC3	NDSWC 1253	74	--	--	--	11/13/1957	--	--	U	--	--	--	1073
134-053-0308D1	PFINGSTEN, URVILLE	140	--	--	--	10/28/1976	--	--	U	--	--	--	--
134-053-0308D2	PFINGSTEN, URVILLE	80	--	--	--	10/28/1976	--	--	U	--	--	--	--
134-053-05CCC	NDSWC 1252	210	--	--	--	11/11/1957	--	--	U	--	--	--	1075
134-053-128881	NDSWC 9264	320	221	218	1.25	12/16/1974	2.70	05/13/1975	U	1128GFV	4710	9.5	1070
134-053-128882	NDSWC 9264A	80	61	58	1.25	12/17/1974	3.64	05/13/1975	U	1128NDL	770	9.0	1070
134-053-128883	NDSWC 1254	94	--	--	--	11/14/1957	--	--	U	--	--	--	1073
134-053-2000D	NDSWC 9987	200	150	147	1.25	09/30/1977	7.71	05/04/1978	U	1128GFV	1000	8.5	1077
134-054-23A0C	HAKANSON, HARNY	--	570	--	--	1960	--	F	S	217DKUT	5000	11.0	--
134-053-258CA1	NDSWC 9263	240	--	--	--	12/13/1974	--	--	U	--	--	--	1073
134-053-258CA2	NDSWC 9263A	80	51	48	1.25	12/15/1974	4.40	01/24/1975	U	1128NDL	2300	7.0	1073
134-054-01CCC	NDSWC 1251	63	--	--	--	11/11/1957	--	--	U	--	--	--	1073
134-054-0100D	NDSWC 9266	180	49	46	1.25	12/17/1974	4.64	01/24/1975	U	1128NDL	--	--	1072
134-054-03ABU	BERG, BOB	54	--	--	--	09/10/1977	--	--	I	1128NDL	--	--	--
134-054-03ACA	BERG, BOB	61	--	--	--	09/07/1976	--	--	U	--	--	--	--
134-054-03CAC	BERG, BOB	60	--	--	--	09/07/1976	--	--	U	--	--	--	--
134-054-03CBC	BERG, BOB	60	--	--	--	09/07/1976	--	--	U	--	--	--	--
134-054-04A08	WALL, JAMES	60	--	--	--	10/04/1976	--	--	U	--	--	--	--
134-054-04888	NDSWC 10003	40	--	--	--	10/12/1977	--	--	U	--	--	--	1067
134-054-048D0	WALL, JAMES	40	--	--	--	10/04/1976	--	--	U	--	--	--	--
134-054-0508D	SENECHAL, MYRUN	80	--	--	--	01/22/1976	--	--	U	--	--	--	--
134-054-07C0C	NELSON, NUNKIS	--	34	--	--	06/01/1954	--	--	H	1128NDL	3400	11.0	--
134-054-08888	NDSWC 1248	100	--	--	--	11/05/1957	--	--	U	--	--	--	1070
134-054-09AAA1	NDSWC 10001	260	--	--	--	10/11/1977	--	--	U	--	--	--	1068
134-054-09AAA2	NDSWC 10001A	40	33	30	1.25	10/11/1977	3.03	12/15/1977	U	1128NDL	570	8.5	1068
134-054-09AAA3	NDSWC 1178	210	--	--	--	07/24/1957	--	--	U	--	--	--	1068
134-054-09ACA	OLSON, WILLIS	40	--	--	--	06/22/1976	--	--	U	--	--	--	--
134-054-0988A	ANDERSON, RUDNEY	35	--	--	--	02/16/1976	--	--	U	--	--	--	--
134-054-0988B	ANDERSON, RUDNEY	50	--	--	--	02/16/1976	--	--	U	--	--	--	--
134-054-0908D	OLSON, WILLIS	40	--	--	--	06/22/1976	--	--	U	--	--	--	--
134-054-15C8U	WALL, JAMES	60	--	--	--	10/04/1976	--	--	U	--	--	--	--
134-054-16A0D1	NDSWC 10000	180	--	--	--	10/10/1977	--	--	U	2118BWR	--	--	1070
134-054-16A0D2	NDSWC 10000A	60	39	36	1.25	10/10/1977	1.32	12/15/1977	U	1128NDL	520	8.5	1070
134-054-16CA8	ANDERSON, RUDNEY	35	--	--	--	03/08/1977	--	--	U	--	--	--	--
134-054-16C8C	ANDERSON, RUDNEY	30	--	--	--	03/08/1977	--	--	U	--	--	--	--
134-054-16C8U	ANDERSON, RUDNEY	40	20	10	4	03/08/1977	7.00	03/08/1977	U	1128NDL	--	--	--
134-054-16CCA	ANDERSON, RUDNEY	40	--	--	--	03/08/1977	--	--	U	--	--	--	--
134-054-16C0C	ANDERSON, RUDNEY	45	--	--	--	03/08/1977	--	--	U	--	--	--	--
134-054-18B8U	WEISENHAUS, RUY	38	38	--	4	09/17/1975	30.00	09/17/1975	H	1128NDL	--	--	--
134-054-19C0D	BEEM, RONALD	44	44	37	4	09/23/1976	20.00	09/23/1976	H	1128NDL	--	--	--

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134-054-26CCC	NDSWC 4077	160	--	--	--	10/28/1975	--	--	U	--	--	--	1075
134-054-288BA	JOHNSON, ERWIN	--	580	--	--	1972	--	--	S	217DKUT	4000	13.0	1075
134-054-348AA	NDSWC 1179	85	--	--	--	07/25/1957	--	--	U	--	--	--	1075
134-054-348B01	NDSWC 9845	140	55	52	1.25	12/22/1976	7.77	12/15/1977	U	112SNUL	670	8.5	1072
134-054-348B02	NDSWC 9645A	40	31	28	1.25	12/22/1976	7.71	12/15/1977	U	112SNUL	640	8.0	1072
134-054-34CCC	NDSWC 9979	100	30	27	1.25	09/14/1977	4.55	12/15/1977	U	112SNUL	580	8.0	1075
134-054-36CCA	LILYQUIST, H E	40	--	--	--	02/28/1975	--	--	U	--	--	--	--
134-054-36CCC1	NDSWC 9980	180	--	--	--	09/15/1977	--	--	U	--	--	--	1077
134-054-36CCC2	NDSWC 9980A	20	19	16	1.25	09/15/1977	9.15	12/15/1977	U	112SNUL	550	10.0	1077
134-055-020CU	FUSTER, CHARLES	80	76	73	4	06/03/1974	9.00	06/03/1974	H	112BGFV	--	--	--
134-055-038BC	LYONS, JAMES	715	715	673	2	03/23/1976	--	--	S	217DKUT	3900	--	--
134-055-03CCC	NDSWC 10011	220	--	--	--	10/14/1977	--	--	U	--	--	--	1150
134-055-078AB	WILTSE, MILTON	--	--	--	--	10/26/1976	--	--	--	217DKUT	4000	15.5	--
134-055-080CC	WILTSE, WARREN	150	--	--	--	06/24/1977	--	--	U	--	--	--	--
134-055-080CD1	WILTSE, WARREN	95	95	87	4	05/25/1977	51.00	05/25/1977	H	112BGFV	--	--	--
134-055-080CD2	WILTSE, WARREN	66	66	--	--	06/21/1977	--	--	U	--	--	--	--
134-055-160DU	NDSWC 10010	200	46	43	1.25	10/14/1977	21.93	12/14/1977	U	112BGFV	1300	8.0	1155
134-055-2188B	MAACK, F W	87	87	82	4	06/11/1975	25.00	06/11/1975	H	112BGFV	--	--	--
134-055-228BA	SAXLUND, BLAINE	83	83	78	4	07/02/1975	18.00	07/02/1975	H	112BGFV	1400	--	--
134-055-248BA	ROTENBERGER, CHARLES	20	20	12	21	06/27/1975	--	--	H	112BGFV	--	--	--
134-055-26ACA	SUMMENFIELD, EMIL	100	--	--	--	04/01/1977	--	--	U	--	--	--	--
134-055-26ADC	SUMMENFIELD, EMIL	60	--	--	--	10/26/1976	--	--	U	--	--	--	--
134-055-27BCU	GUETZ, JIM	70	--	--	--	10/10/1974	--	--	U	--	--	--	--
134-055-27CAC1	GUETZ, JIM	160	--	--	--	10/10/1974	--	--	U	--	--	--	--
134-055-27CAC2	GUETZ, JIM	90	--	--	--	10/10/1974	--	--	U	--	--	--	--
134-055-270DD	GUETZ, JIM	80	--	--	--	10/10/1974	--	--	U	--	--	--	--
134-055-3288U	HUCK, MERRAN	63	63	58	4	09/15/1975	18.00	09/15/1975	S	112BGFV	2200	8.0	--
134-055-33CCA1	NDSWC 10015	180	--	--	--	10/18/1977	--	--	U	--	--	--	1167
134-055-33CCA2	NDSWC 10016	80	--	--	--	10/18/1977	--	--	U	--	--	--	1167
134-055-33CCA3	NDSWC 10017	60	--	--	--	10/19/1977	--	--	U	--	--	--	1167
134-055-3488B	MCHAMON, PHILLIP	702	702	660	2	10/25/1968	--	--	S,H	217DKUT	4000	15.0	--
134-055-36AAA	ROTENBERGER, CHARLES	20	20	12	21	06/27/1975	--	--	S,H	112BGFV	750	5.5	--
134-056-0188B	JOHN DEERE IMPLEMENT	80	80	80	20	07/19/1976	--	--	H	112BGFV	1950	7.5	--
134-056-010DD	NDSWC 4884	220	121	118	1.25	10/30/1975	38.43	05/23/1976	U	112BGFV	--	--	1184
134-056-02ACD	LISBON GOLF COURSE	47	47	44	4	04/22/1976	18.00	04/22/1976	H	111ALVM	2300	--	--
134-056-020C8	ALLISON, MINNIE	18	18	14	18	05/11/1966	7.00	05/11/1966	H	111ALVM	--	--	--
134-056-11AAD1	LISBON	45	45	35	16	04/24/1950	12.00	04/24/1950	P	111ALVM	1500	--	--
134-056-11AAD2	LISBON	--	38	--	--	07/30/1970	--	--	P	111ALVM	1150	--	--
134-056-1188B	INDEPENDENT DRILLING	850	850	775	2	06/19/1972	--	--	S,H	217DKUT	4000	13.5	--
134-056-12AC	HUFF, HOWARD	30	30	26	4	05/14/1976	9.00	05/14/1976	H	112BGFV	3500	7.5	--

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134-056-128CD	THOMPSON, WILLARD	22	22	20	4	04/22/1976	13.00	04/22/1976	H	1128GFV	950	--	--
134-056-13ADA	LUKES, ROBERT	860	860	797	2	06/03/1972		F	S,H	2170KUT	4000	--	--
134-056-14AAB	PETERSON, WILLIS	700	700	601	1.50	12/20/1973		F	H	2170KUT	3900	--	--
134-056-14ABB	ABERLE, JOHN	688	688	646	2	08/29/1973		F	H	2170KUT	4000	12.7	--
134-056-14ADC	HUVELAND, LARRY	20	20	10	16	06/19/1974	--	--	S,H	111ALVM	1600	--	--
134-056-14ADD1	MULMSTROM, DONALD	23	23	19	1.25	06/08/1972	11.00	06/08/1972	H	111ALVM	--	--	--
134-056-14ADD2	AMERICAN LEGION	75	75	50	20	12/03/1976	50.00	12/03/1976	H	111ALVM	1300	--	--
134-056-21AAA	NDSMC 10012	140	--	--	--	10/17/1977	--	--	U	--	--	--	1210
134-056-23AAA	SNEYENNE DYLPMT	639	639	595	3	05/15/1970		F	H	2170KUT	4000	--	--
134-056-28CDD1	NIMS, MELTON	--	785	--	--	1922		F	--	2170KUT	3800	8.0	--
134-056-28CDD2	NIMS, MELTON	955	955	874	1.50	04/10/1968		F	S,H	2170KUT	3900	13.0	--
134-056-35U08	METZEN, JAMES	79	79	73	30	03/17/1975	64.00	06/02/1977	--	1128GFV	3100	8.5	--
134-057-01AB8	HUETHER, BILL	65	65	59	30	08/23/1974	46.00	--	S,H	1128GFV	1500	--	--
134-057-06888	KENYON, NICHOLAS	160	160	100	--	06/12/1975	--	--	S,H	112EGLV	1800	8.0	--
134-057-06CAC	HUETHER, ELDON	83	--	--	--	11/15/1976	--	--	U	--	--	--	--
134-057-078C8	WALTON, ED	--	60	--	--	08/23/1974	--	--	I	112EGLV	640	8.0	--
134-057-07CC8	SCHWAB, LESTER	--	49	--	--	10/ /1975	--	--	I	112EGLV	480	--	--
134-057-128AA1	HUETHER, BILL	65	65	59	30	08/23/1974	--	--	S,H	1128GFV	--	--	--
134-057-128AA2	HUETHER, BILL	230	126	80	5	06/23/1977	70.00	06/23/1977	H	1128GFV	--	--	--
134-057-13CDD1	HUETHER, RICHARD	42	42	30	30	09/03/1974	--	--	S,H	1128GFV	2600	8.5	--
134-057-13CDD2	HUETHER, RICHARD	265	--	--	--	05/27/1977	--	--	U	--	--	--	--
134-057-13CDD3	HUETHER, RICHARD	170	170	165	4	05/27/1977	69.00	05/27/1977	--	1128GFV	--	--	--
134-057-15UDB	HUETHER, ROBERT	158	138	134	4	06/04/1976	45.00	06/04/1976	H	1128GFV	1900	8.0	--
134-057-15UDB	HUETHER, ROBERT	152	132	124	4	04/03/1974	32.00	04/03/1974	H	1128GFV	1990	8.0	--
134-057-16CDD	NDSMC 9224	340	--	--	--	08/16/1977	--	--	U	--	--	--	1408
134-057-17888	HUETHER, BILL	67	--	--	--	02/18/1975	--	--	U	--	--	--	--
134-057-178CC	HUETHER, BILL	40	--	--	--	02/18/1975	--	--	U	--	--	--	--
134-057-188881	NDSMC 9615	60	38	35	1.25	06/29/1976	17.73	07/08/1976	U	112EGLV	530	8.2	1344
134-057-188882	NDSMC 9615A	160	--	--	--	06/29/1976	--	--	U	--	--	--	1344
134-057-188CB	WALTON, ED	--	46	--	--	08/23/1974	--	--	I	112EGLV	675	8.5	--
134-057-188CC1	STREICH, URKIN	160	--	--	--	04/04/1967	--	--	U	--	--	--	--
134-057-188CC2	WALTON, ED	48	48	38	4	04/01/1976	21.00	09/01/1976	H	112EGLV	--	--	--
134-057-188CC3	NDSMC 9913	80	45	38	1.25	08/10/1977	20.18	12/01/1977	U	112EGLV	560	8.5	1344
134-057-188CU	STREICH, URKIN	80	--	--	--	04/04/1967	--	--	U	--	--	--	--
134-057-188CB	WALTON, ED	--	50	--	--	08/23/1974	--	--	I	112EGLV	600	8.0	--
134-057-188CC1	NDSMC 9614	180	--	--	--	06/29/1976	--	--	U	--	--	--	1340
134-057-188CC2	NDSMC 9614A	40	35	32	1.25	06/29/1976	16.57	07/08/1976	U	112EGLV	580	8.0	1340
134-057-18UDD	NDSMC 8893	220	31	28	1.25	11/05/1975	7.39	11/13/1975	U	112EGLV	600	8.0	1342
134-057-19AAA	HUETHER, BILL	60	--	--	--	06/24/1977	--	--	--	--	--	--	--
134-057-19AAB	HUETHER, BILL	60	49	19	8	06/24/1977	7.00	06/24/1977	I	112EGLV	--	--	--

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134-057-19AAC	HUETHER, BILL	40	--	--	--	02/17/1975	--	--	U	--	--	--	--
134-057-19ABB	HUETHER, BILL	40	--	--	--	02/18/1975	--	--	U	--	--	--	--
134-057-19ABC	HUETHER, BILL	40	--	--	--	02/17/1975	--	--	U	--	--	--	--
134-057-19ACC	HUETHER, BILL	45	--	--	--	02/16/1975	--	--	U	--	--	--	--
134-057-19ADD	WALTON, EU	80	--	--	--	03/11/1975	--	--	U	--	--	--	--
134-057-19BBB1	HUETHER, RICHARD	--	52	32	12	1976	--	--	I	--	--	--	1342
134-057-19BBB2	HUETHER, RICHARD	--	52	32	12	1977	--	--	I	--	--	--	1342
134-057-1908C	WALTON, EU	60	--	--	--	03/11/1975	--	--	U	--	--	--	--
134-057-1908A	WALTON, EU	60	--	--	--	03/11/1975	--	--	U	--	--	--	--
134-057-190CC	SIREICH, URRIN	60	--	--	--	06/21/1974	--	--	U	--	--	--	--
134-057-20AAB	NDSWC 9923	220	99	93	1.25	08/15/1977	21.05	09/07/1977	U	112EGLV	500	7.5	1354
134-057-20CCC1	NDSWC 9613	200	--	--	--	06/29/1976	--	--	U	--	--	--	1354
134-057-20CCC2	NDSWC 9613A	40	36	33	1.25	08/29/1976	3.60	07/08/1976	U	112EGLV	440	8.0	1354
134-057-22000	BABCUEK, DENNIS	146	146	140	4	10/31/1975	35.00	10/31/1975	M	1128GFV	2300	--	--
134-057-2308B	NDSWC 9927	240	--	--	--	08/17/1977	--	--	U	--	--	--	1320
134-057-2308C	ELLIOT	--	125	115	6	01/01/1962	--	--	P	1128GFV	1950	9.0	--
134-057-2888B	STROM, KENNETH	128	128	121	4	08/12/1975	28.00	08/12/1975	H	1128GFV	900	--	--
134-057-28CCC	DICK, HAROLD	154	154	148	4	05/16/1974	60.00	05/16/1974	H	1128GFV	1650	--	--
134-057-2908B	DICK, JIM	100	--	--	--	10/15/1976	--	--	U	--	--	--	--
134-057-2908C	DICK, JIM	40	--	--	--	10/ /1976	--	--	U	--	--	--	--
134-057-290CB1	DICK, JIM	60	--	--	--	10/ /1976	--	--	U	--	--	--	--
134-057-290CB2	DICK, JIM	40	--	--	--	10/ /1976	--	--	U	--	--	--	--
134-057-290CC	DICK, JIM	40	--	--	--	10/ /1976	--	--	U	--	--	--	--
134-057-290CD	DICK, JIM	27	27	25	4	10/05/1972	9.00	10/05/1972	M	112EGLV	550	8.0	--
134-057-300CC1	NDSWC 9612	180	--	--	--	06/29/1976	--	--	U	--	--	--	1334
134-057-300CC2	NDSWC 9612A	20	16	13	1.25	06/29/1976	7.93	07/08/1976	U	112EGLV	520	7.0	1334
134-057-31CCC	NDSWC 4891	180	51	48	1.25	11/05/1975	12.27	12/04/1975	U	112EGLV	840	--	1333
134-057-32AAB1	DICK, JIM	72	72	66	4	10/21/1972	34.00	10/21/1972	S	1128GFV	--	--	--
134-057-32AAB2	DICK, JIM	73	73	55	30	08/28/1974	15.00	--	S	1128GFV	--	--	--
134-057-32CAC1	DICK, JIM	80	--	--	--	09/29/1976	--	--	U	--	--	--	--
134-057-32CAC2	DICK, JIM	80	--	--	--	09/29/1976	--	--	U	--	--	--	--
134-057-32CAC3	DICK, JIM	60	--	--	--	09/29/1976	--	--	U	--	--	--	--
134-057-358AA1	DICK, LAWRENCE	72	70	62	4	04/04/1972	15.00	04/04/1972	S,H	1128GFV	--	--	--
134-057-358AA2	DICK, LAWRENCE	94	94	64	20	06/02/1977	--	--	S,H	1128GFV	--	--	--
134-058-01AAC	KENTON, LARRY	100	--	--	--	10/04/1976	--	--	U	--	--	--	--
134-058-01BBU	HUETHER, BILL	56	--	--	--	02/17/1975	--	--	U	--	--	--	--
134-058-01BCA	HUETHER, BILL	75	65	45	8	06/22/1977	30.00	06/22/1977	I	112EGLV	--	--	--
134-058-01CB0	WALTON, EU	36	36	16	16	07/20/1974	19.00	07/20/1974	I	112EGLV	510	--	--
134-058-01CCC	NDSWC 9618	50	--	--	--	06/30/1976	--	--	U	--	--	--	--
134-058-01DBU1	WAGNER, RON	87	--	--	--	09/29/1976	--	--	U	--	--	--	1351



LOCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAM- ETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (UMMO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
134-058-01DBD2	WAGNER, RUN	87	87	47	16	12/ /1976	25.00	12/ /1976	I	112EGLV	650	--	--
134-058-02AAC	BAASCH, DALE	100	--	--	--	12/28/1976	--	--	U	--	--	--	--
134-058-02A88	BAASCH, DALE	80	--	--	--	06/23/1974	--	--	U	--	--	--	--
134-058-02ACA	BAASCH, DALE	100	--	--	--	12/28/1976	--	--	U	--	--	--	--
134-058-02ADB	BAASCH, DALE	70	62	37	12	12/16/1976	25.00	12/16/1976	I	112EGLV	--	--	--
134-058-02ADD	BAASCH, DALE	80	--	--	--	12/ /1976	--	--	U	--	--	--	--
134-058-11000	NDSWC 9616	80	--	--	--	06/30/1976	--	--	U	--	--	--	1330
134-058-12AAA	NDSWC 9910	160	60	54	1.25	08/08/1977	25.34	09/07/1977	U	112EGLV	550	--	1349
134-058-12AAC	WALTON, ED	59	59	44	16	07/25/1974	19.00	07/25/1974	I	112EGLV	500	--	--
134-058-12CC0	WAGNER, RUN	--	--	--	--	08/23/1974	--	--	I	112EGLV	500	--	--
134-058-1200C	WALTON, ED	--	63	--	--	1958	--	--	I	112EGLV	570	7.7	--
134-058-13AAB	NDSWC 9912	140	75	70	1.25	08/09/1977	25.48	10/13/1977	U	112EGLV	480	8.0	1349
134-058-13ADA	WALTON, ED	--	80	--	--	05/01/1967	--	--	I	112EGLV	600	8.5	--
134-058-13ADD	STREICH, URKIN	80	--	--	--	04/04/1967	--	--	U	--	--	--	1345
134-058-13BAA	NDSWC 9911	200	58	53	1.25	08/09/1977	26.40	10/13/1977	U	112EGLV	560	--	1350
134-058-13888	NDSWC 9617	40	21	18	1.25	06/30/1976	4.19	07/08/1976	U	112EGLV	550	6.0	1330
134-058-13880	DICK, JIM	65	65	58	12	09/30/1974	19.00	09/30/1974	I	112EGLV	470	8.0	--
134-058-1380A	DICK, JIM	65	--	--	--	09/30/1974	--	--	U	--	--	--	--
134-058-13C00	NDSWC 9925	160	41	38	1.25	08/16/1977	23.07	10/13/1977	U	112EGLV	440	8.5	1345
134-058-13C00	WALTON, ED	--	--	--	--	09/30/1974	--	--	I	112EGLV	560	8.0	--
134-058-14C00	NDSWC 9915	80	--	--	--	08/10/1977	--	--	U	--	--	--	1337
134-058-158CB	BACHMAN, KENNETH	41	--	--	--	12/09/1975	--	--	U	--	--	--	--
134-058-158CV	BACHMAN, KENNETH	21	--	--	--	12/09/1975	--	--	U	--	--	--	--
134-058-158DA	BACHMAN, KENNETH	101	--	--	--	12/09/1975	--	--	U	--	--	--	--
134-058-16000	BACHMAN, KENNETH	56	36	30	30	08/26/1974	--	--	S,H	1128GFV	1850	--	--
134-058-21CCC	NDSWC 9225	200	--	--	--	11/20/1974	--	--	U	--	--	--	1375
134-058-22AAA	NDSWC 9916	160	--	--	--	08/10/1977	--	--	U	--	--	--	1328
134-058-23AAA1	NDSWC 9914	180	--	--	--	08/10/1977	--	--	U	--	--	--	1352
134-058-23AAA2	NDSWC 9914A	60	42	36	1.25	08/10/1977	9.74	10/13/1977	U	112EGLV	460	6.5	1352
134-058-24ADB	STREICH, URKIN	100	63	48	12	04/20/1975	21.00	04/20/1975	I	112EGLV	540	--	--
134-058-248BA	NDSWC 4892	160	101	98	1.25	11/05/1975	23.07	12/04/1975	U	112EGLV	440	8.0	1347
134-058-24C0C1	NDSWC	300	--	--	--	03/02/1968	--	--	U	--	--	--	1344
134-058-24C0C2	NDSWC	60	60	55	4	03/02/1968	20.58	12/05/1973	U	112EGLV	466	--	1344
134-058-24UAC	WAGNER, RUN	60	--	--	--	10/04/1974	--	--	U	--	--	--	--
134-058-24DBB1	WAGNER, RUN	57	--	--	--	01/20/1976	--	--	U	--	--	--	--
134-058-24DBB2	WAGNER, RUN	--	60	--	--	09/30/1974	--	--	I	112EGLV	500	8.5	--
134-058-24UCA	WAGNER, RUN	56	56	46	12	10/04/1974	10.00	10/04/1974	I	112EGLV	500	8.0	--
134-058-24UCC	WAGNER, RUN	00	--	--	--	01/15/1975	--	--	U	--	--	--	--
134-058-25C0D1	NDSWC 9840	100	69	66	1.25	11/30/1976	--	--	U	112EGLV	600	7.5	1340
134-058-25C0D2	NDSWC 9841	100	65	62	1.25	12/01/1976	--	--	U	112EGLV	580	7.5	1340

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LOCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FINISH OPENING (FEET)	CASING DIAMETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (UMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
134-058-250CC1	NUSWC 9836	180	119	116	1.25	11/17/1976	--	--	U	112EGLV	1100	7.5	1340
134-058-250CC2	NUSWC 9837	80	61	58	1.25	11/18/1976	--	--	U	112EGLV	920	7.5	1340
134-058-250CC3	NUSWC 9838	80	69	66	1.25	11/22/1976	--	--	U	112EGLV	870	7.5	1340
134-058-250CC4	NUSWC 9838A	40	36	33	1.25	11/23/1976	--	--	U	112EGLV	740	7.5	1340
134-058-250CC5	NUSWC 9839	44	27	24	1.25	11/23/1976	--	--	U	112EGLV	--	--	1340
134-058-250CC6	NUSWC 9839A	160	--	--	--	11/23/1976	--	--	U	--	--	--	1340
134-058-250CC7	NUSWC 9842	100	69	66	1.25	12/14/1976	22.13	05/10/1977	U	112EGLV	650	7.0	1340
134-058-250CC8	NUSWC 9842A	40	36	35	1.25	12/14/1976	--	--	U	112EGLV	580	7.5	1340
134-058-250CC9	STREICH, URRIN	75	75	60	16	06/01/1974	21.40	05/10/1977	I	112EGLV	640	7.0	1340
134-058-268AB	NUSWC 9917	160	21	18	1.25	06/11/1977	5.07	10/07/1977	U	112EGLV	725	8.0	1324
134-058-270BA	NUSWC 9226	160	--	--	--	11/20/1974	--	--	U	--	--	--	1340
134-058-330BA	PETERSON, KENNETH	1362	1562	1340	1.50	09/21/1967	--	F	S,H	217DKOT	4000	18.5	--
134-058-36AAB	STREICH, URRIN	80	--	--	--	04/04/1967	--	--	U	--	--	--	--
134-058-36ABB	STREICH, URRIN	100	--	--	--	04/04/1967	--	--	U	--	--	--	--
134-058-36CCC	NUSWC 9611	120	51	48	1.25	06/28/1976	21.07	07/08/1976	U	112EGLV	450	8.0	1539
135-053-03CBC	NUSWC 8469	140	71	68	1.25	09/01/1972	--	--	U	112SNOL	--	--	1062
135-053-09C8A1	PFINGSTEN, URVILLE	28	28	20	2	07/08/1974	6.00	07/08/1974	S	112SNOL	--	--	--
135-053-09C8A2	PFINGSTEN, URVILLE	30	30	22	2	09/08/1974	8.00	09/08/1974	S	112SNOL	--	--	--
135-053-108BC	NUSWC 8470	60	34	28	1.25	09/01/1972	2.56	11/12/1974	U	112SNOL	790	7.0	997
135-053-10CCC	NUSWC 8471	80	44	38	1.25	09/01/1972	13.13	06/09/1976	U	112SNOL	--	--	995
135-053-16ADD	NUSWC 8472	120	84	78	1.25	09/05/1972	--	--	U	112SNOL	--	--	1040
135-053-16CCC	NUSWC 2211	105	40	38	1.25	10/15/1963	8.79	06/24/1975	U	112SNOL	500	--	1069
135-053-160DD	NUSWC 8473	120	71	68	1.25	09/05/1972	1.29	06/24/1975	U	112SNOL	770	8.0	1046
135-053-17ABB	PFINGSTEN, URVILLE	--	580	--	--	1946	--	--	S	217DKOT	4400	11.0	--
135-053-20B	REED, CLARENCE	--	--	--	--	10/04/1974	--	--	I	112SNOL	480	10.0	--
135-053-210BB	EKRE, RUSSEL	--	37	--	--	1973	--	--	I	112SNOL	610	10.0	--
135-053-210DB	EKRE, RUSSEL	97	--	--	--	03/01/1973	--	--	U	--	--	--	--
135-053-22CCA	EKRE, RUSSEL	34	--	--	--	03/01/1973	--	--	U	--	--	--	--
135-053-22CCC	NUSWC 8474	120	64	58	1.25	09/05/1972	5.99	11/12/1974	U	112SNOL	790	8.0	1060
135-053-280DD	NUSWC 8475	60	49	43	1.25	09/05/1972	--	--	U	112SNOL	--	--	1060
135-053-308BB	NUSWC 10004	100	28	25	1.25	10/12/1977	7.20	05/03/1978	U	112SNOL	560	8.5	1063
135-054-01CCC	NUSWC 2209	42	17	7	4	10/15/1963	3.17	06/24/1975	U	112SNOL	100	4.0	1061
135-054-08AAA	NUSWC 10005	240	--	--	--	10/12/1977	--	--	U	--	--	--	1075
135-054-10CAA	STUFFELL, KATHLEEN	--	525	--	--	1944	--	F	S	217DKOT	4000	11.0	--
135-054-160BD	FRIESE, LESTEK	50	--	--	--	07/ /1968	--	--	U	--	--	--	--
135-054-160DC	FRIESE, LESTEK	45	--	--	--	07/ /1968	--	--	U	--	--	--	--
135-054-210BB	NUSWC 1249	84	--	--	--	11/06/1957	--	--	U	--	--	--	1065
135-054-220DD	NUSWC 4878	240	--	--	--	10/28/1975	--	--	U	--	--	--	1062
135-054-23CCC	NUSWC 2210	73	38	27	4	10/15/1963	3.71	12/05/1975	U	112SNOL	710	8.0	1062
135-054-28CAC	ANDERSON, RUDNEY	45	38	26	12	02/08/1977	8.00	02/08/1977	I	112SNOL	--	--	--

LOCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAM- ETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (UMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
135-054-28CCA	ANDERSON, RUDNEY	40	--	--	--	02/23/1976	--	--	U	--	--	--	--
135-054-33AAB	WEISENHAUS, GLENN	40	--	--	--	10/29/1974	--	--	U	--	--	--	--
135-054-33AAC1	WEISENHAUS, GLENN	50	--	--	--	10/29/1974	--	--	U	--	--	--	--
135-054-33AAC2	WEISENHAUS, GLENN	39	39	19	16	06/24/1975	2.50	06/24/1975	I	112SNDL	--	--	--
135-054-33BBB	NDSNC 1250	31	--	--	--	11/11/1957	--	--	U	--	--	--	1065
135-054-330001	NDSNC 10002	240	--	--	--	10/11/1977	--	--	U	--	--	--	1070
135-054-330002	NDSNC 10002A	40	30	27	1.25	10/11/1977	8.59	04/12/1978	U	112SNDL	500	8.5	1070
135-054-34CAC	EVANSUN, HJALMEK	60	--	--	--	10/15/1976	--	--	U	--	--	--	--
135-054-34CAU	EVANSUN, HJALMEK	60	--	--	--	10/15/1976	--	--	U	--	--	--	--
135-055-02AUA	NDSNC 488U	260	--	--	--	10/29/1975	--	--	U	--	--	--	1102
135-055-02BCB	CAVETT, KENNETH	689	689	626	1.50	11/29/1969	--	F	S	2170KOT	3500	13.0	--
135-055-03BBB	NDSNC 4881	260	--	--	--	10/29/1975	--	--	U	--	--	--	1123
135-055-05BBB	NDSNC 4882	240	--	--	--	10/30/1975	--	--	U	--	--	--	1180
135-055-17B0C	CRUDEN, B A	61	61	56	4	10/25/1973	18.00	10/25/1973	H	1128GFV	1550	--	--
135-055-17CAU	CRUDEN, B A	61	61	55	4	10/26/1973	18.00	10/26/1973	H	--	--	--	--
135-055-18DAB	ELIJAH, RUGER	60	60	55	4	10/24/1973	22.00	10/24/1973	H	1128GFV	700	--	--
135-055-19AAA	STAMNES, ERNEST	63	62	57	4	08/28/1973	26.00	08/28/1973	H	1128GFV	1750	--	--
135-055-20BBA	BRATLAND, MELVIN	69	69	64	4	09/09/1976	22.00	09/09/1976	H	1128GFV	1700	8.5	--
135-055-27C8C	NDSNC 10009	220	--	--	--	10/13/1977	--	--	U	--	--	--	1135
135-055-27CCD	LYONS, WARREN	70	70	66	4	10/21/1975	8.00	10/21/1975	H	1128GFV	1600	6.0	--
135-055-290CD	KKENTZ, KENNETH	62	62	57	4	04/05/1976	20.00	04/05/1976	H	1128GFV	2600	--	--
135-056-01B8B	NDSNC 4883	280	--	--	--	10/30/1975	--	--	U	--	--	--	1208
135-056-07AAU	HEINKE, ROBERT	66	66	61	4	08/07/1975	25.00	08/07/1975	S	1128GFV	2600	9.0	--
135-056-07CCA1	JONES, WAYNE	207	--	--	--	11/28/1973	--	--	U	--	--	--	--
135-056-07CCA2	JONES, WAYNE	207	--	--	--	11/29/1973	--	--	U	--	--	--	--
135-056-07CCA3	JONES, WAYNE	200	--	--	--	11/30/1973	--	--	U	--	--	--	--
135-056-07CCA4	JONES, WAYNE	739	736	719	4	02/19/1974	--	F	H	2170KUT	--	--	--
135-056-10LCC	NDSNC 9895	380	--	--	--	06/23/1977	--	--	U	--	--	--	1219
135-056-10DDB	FELTIS, ROSEMARY	940	940	860	2	08/17/1974	--	F	S,H	2170KUT	3700	--	--
135-056-11CDD	HEINKE, MARVIN	974	974	890	2	10/24/1972	--	F	S,H	2170KUT	3700	13.5	--
135-056-13CBA	HEINGELKE, ALVIN	960	960	880	2	07/24/1974	--	F	S,H	2170KUT	--	--	--
135-056-36BCC	EAGLES, LISBON	71	71	67	4	10/19/1973	34.00	10/19/1973	H	1128GFV	1900	8.0	--
135-057-08C8B	RUFVSULU, VERNON	120	118	112	4	09/13/1976	108.00	09/13/1976	S,H	1128GFV	2200	9.0	--
135-057-11BAA	HILDE, UMUELL	799	799	736	2	03/02/1968	--	F	S,H	2170KOT	--	--	--
135-057-12B8C	TANNER, WESLEY	817	817	754	1.50	03/18/1967	--	F	H	2170KUT	3600	15.0	--
135-057-16AAC	RUACH, JAMES	28	26	21	16	05/01/1974	--	--	S,H	111ALVM	4200	--	--
135-057-20CCC	NDSNC 9921	140	--	--	--	08/12/1977	--	--	U	--	--	--	1330
135-057-21CCD	LUND, MURKIS	1145	1145	1085	2	10/04/1968	--	F	S,H	2170KOT	4000	15.5	--
135-057-30B8B	NDSNC 9920	140	--	--	--	08/11/1977	--	--	U	--	--	--	1360
135-057-35AUA	HANSON, ARCHIE	1040	1040	920	2	05/29/1974	1.00	05/29/1974	H	2170KUT	3500	12.0	--

LOCAL NUMBER	OWNER	DEPTH UNILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FINST OPENING (FEET)	CASING DIAM-ETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (UMMO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)
135-058-02888	NDSWC 9902	220	--	--	--	06/28/1977	--	--	U	--	--	--	1425
135-058-0288C	WINTER SPURTS, LTU.	70	70	64	4	11/10/1975	26.00	11/10/1975	H	211NBKR	--	--	--
135-058-04AAC	ZACHARIAS, VINCE	30	--	--	--	06/29/1968	--	--	I	112SDPR	--	--	--
135-058-04ABA	ZACHARIAS, VINCE	60	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-04ABb	ZACHARIAS, VINCE	55	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-04ACB	ZACHARIAS, VINCE	60	--	--	--	03/01/1974	--	--	U	--	--	--	--
135-058-04ADA	ZACHARIAS, VINCE	40	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-04ADC	ZACHARIAS, VINCE	60	--	--	--	1968	--	--	U	1128GFV	--	--	--
135-058-048AC1	ZACHARIAS, VINCE	35	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-048AC2	ZACHARIAS, VINCE	30	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-048AC3	ZACHARIAS, VINCE	30	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-048AU	ZACHARIAS, VINCE	50	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-048BC	ZACHARIAS, VINCE	40	--	--	--	1968	--	--	U	--	--	--	--
135-058-04CBC	ZACHARIAS, VINCE	40	--	--	--	1968	--	--	U	--	--	--	--
135-058-04CDA1	ZACHARIAS, VINCE	35	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-04CDA2	ZACHARIAS, VINCE	35	--	--	--	03/01/1974	--	--	I	112SDPR	--	--	--
135-058-04DBC	ZACHARIAS, VINCE	60	52	--	--	03/01/1974	--	--	I	112SDPR	650	8.0	--
135-058-04DBD	ZACHARIAS, VINCE	45	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-04DCd	ZACHARIAS, VINCE	70	--	--	--	1968	--	--	U	1128GFV	--	--	--
135-058-04DDA	ZACHARIAS, VINCE	40	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-04DDD1	NDSWC 4895A	60	38	35	1.25	11/06/1975	19.25	12/04/1975	U	112SDPR	515	8.0	1404
135-058-04DDD2	NDSWC 4895	190	--	--	--	11/06/1975	--	--	U	--	--	--	1404
135-058-06CCC	GUTTFURMSOM, ART	1205	1205	1194	2	06/30/1972	--	F	S,H	--	3100	--	--
135-058-07ACC	HANSON, FLOYD	1215	1215	1165	2	06/22/1972	--	F	S,H	217DKUT	3100	13.0	--
135-058-08D	ULSUN, CUMTIS	30	30	24	27	04/15/1977	--	--	I	112SDPR	--	--	--
135-058-09888	NDSWC 9906	60	--	--	--	06/29/1977	--	--	U	--	--	--	1389
135-058-110AC	ZACHARIAS, VINCE	40	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-110BC	ZACHARIAS, VINCE	60	--	--	--	06/29/1968	--	--	U	--	--	--	--
135-058-12CBA	PELLIER, DWIGHT	30	30	22	16	12/04/1974	--	--	H	111ALVM	3300	--	--
135-058-12CCD1	MUNSON, ED	66	66	62	4	05/01/1973	22.00	05/01/1973	H	211NBRR	2200	--	--
135-058-12CCD2	STRANDEN, ANTUN	75	75	71	4	05/17/1973	25.00	05/17/1973	H	111ALVM	1600	--	--
135-058-13888	BNDCK, KENNELTH	69	69	65	4	05/05/1973	29.00	05/05/1973	H	211NBRR	1700	8.0	--
135-058-14AAA	NDSWC 9224	140	--	--	--	11/19/1974	--	--	U	--	--	--	1345
135-058-190DC	NDSWC 9919	160	--	--	--	08/11/1977	--	--	U	--	--	--	1370
135-058-210DD	NDSWC 9907	200	--	--	--	06/29/1977	--	--	U	--	--	--	1395
135-058-24CCC	NDSWC 9909	160	--	--	--	06/30/1977	--	--	U	--	--	--	1375
135-058-268AA	NDSWC 9922	40	31	28	1.25	08/12/1977	13.15	08/31/1977	U	112EGLV	460	8.5	1333
135-058-26888	NDSWC 9908	180	--	--	--	06/30/1977	--	--	U	--	--	--	1362
135-058-260UA	BERG, TOM	45	45	39	22	07/13/1974	--	--	S,H	112EGLV	1600	--	--
135-058-2688b	NDSWC 9918	180	--	--	--	08/11/1977	--	--	U	--	--	--	1389

LOCAL NUMBER	OWNER	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	DEPTH TO FIRST OPENING (FEET)	CASING DIAMETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	DATE WATER LEVEL MEASURED	USE OF WATER	PRINCIPAL AQUIFER	SPECIFIC CONDUCTANCE (µMHO/CM AT 25°C)	TEMPERATURE (DEGREES C)	ALTITUDE OF LAND SURFACE (FEET)	
135-058-35000	NDSWC 4894	160	51	48	1.25	11/05/1975	31.84	12/04/1975	U	1126GLV	850	7.5	1359	
135-058-36000	NDSWC 9926	100	84	84	1.25	08/16/1977	53.46	09/07/1977	U	1126GLV	1100	8.5	1377	
136-053-210001	NDSWC 8467	340	--	--	--	08/31/1972	--	--	U	--	--	--	1062	
136-053-210002	NDSWC 8467A	60	41	38	1.25	08/31/1972	7.03	11/12/1974	U	1128NDL	540	8.0	1062	
136-053-25AAA1	NDSWC 2201	189	--	--	--	10/08/1963	--	--	U	--	--	--	1054	
136-053-25AAA2	NDSWC 2201A	63	63	58	4	10/08/1963	7.56	10/25/1973	U	1128NDL	400	7.5	1059	
136-053-29AAA1	NDSWC 2207	147	--	--	--	10/14/1963	--	--	U	--	--	--	1069	
136-053-29AAA2	NDSWC 2207A	63	23	13	4	10/14/1963	10.57	12/04/1973	U	1128NDL	400	7.5	1069	
136-053-30CAA	BARTHOLUMAY, JOE	548	545	501	2	07/26/1972	--	F	S	2170KUT	5000	--	--	
136-053-33ADD	NDSWC 8468	140	75	70	1.25	09/01/1972	--	--	U	1128NDL	--	--	1060	
136-054-03CCC	BARTHOLUMAY, RAY	--	560	--	2	1969	--	F	--	H	2170KUT	4600	12.0	--
136-054-08ABB	HEUER, LEON	50	30	25	30	05/29/1973	--	--	S,H	1128GFV	--	--	--	
136-054-09BBB	NDSWC 10008	240	--	--	--	10/13/1977	--	--	U	--	--	--	1071	
136-054-11DCB	KHAIG, DALE	--	60	--	18	1961	50.00	1975	H	1128GFV	1660	8.5	--	
136-054-13CCC	MCGRATH, LOIS	565	563	542	2	01/17/1973	--	F	S,H	2170KUT	4700	--	--	
136-054-1700A	SHELDON	--	610	--	--	06/ /1966	--	F	--	P	2170KUT	3500	12.5	--
136-054-208AA	KRUEGER, DENNIS	58	38	28	21	06/18/1975	16.00	06/18/1975	H	1128GFV	1530	9.5	--	
136-054-228BB	NDSWC 10007	220	--	--	--	10/13/1977	--	--	U	--	--	--	1070	
136-054-220DD	NDSWC 2208	84	--	--	--	10/15/1963	--	--	U	--	--	--	1070	
136-054-24CBB	GNAGE, GEORGE	21	21	13	22	04/16/1974	16.00	04/16/1974	H	1128GFV	4450	11.0	--	
136-054-28CCC1	NDSWC 10006	271	--	--	--	10/12/1977	--	--	U	--	--	--	1084	
136-054-28CCC2	NDSWC 10006A	40	30	24	1.25	10/13/1977	14.84	12/15/1977	U	1128GFV	525	8.0	1084	
136-054-29CAC1	GUDD, LEON	40	--	--	--	1968	--	--	U	--	--	--	--	
136-054-29CAC2	GUDD, LEON	60	--	--	--	1968	--	--	U	--	--	--	--	
136-054-32CCC	NDSWC 4679	240	--	--	--	10/29/1975	--	--	U	--	--	--	1085	
136-054-33CBB	SCHROEDER, LES	--	600	--	2	1945	--	F	--	S	2170KUT	4400	17.0	--
136-055-01BDC	MUSCHA, LAWRENCE	--	850	--	--	1950	--	F	--	H,S	2170KUT	4600	14.5	--
136-055-030AD	NDSWC 9890	220	--	--	--	06/15/1977	--	--	U	--	--	--	1070	
136-055-048BA	KNAEMER, MATT	69	69	59	5	10/30/1975	56.00	10/30/1975	H	1128GFV	--	--	--	
136-055-040DB	ENDERLIN	--	36	--	12	09/01/1974	--	--	P	1114LVH	1300	7.0	--	
136-055-060DD	NDSWC 9893	300	--	--	--	06/22/1977	--	--	U	--	--	--	1155	
136-055-07ABH	NDSWC ENDERLIN, NU. 4	63	--	--	--	06/25/1963	--	--	U	--	--	--	--	
136-055-09AAA	NDSWC 9220	235	201	198	1.25	11/18/1974	49.72	01/24/1975	U	1128GFV	1500	7.0	1129	
136-055-09CAB	NDSWC ENDERLIN, NU. 3	94	--	--	--	06/24/1963	--	--	U	--	--	--	--	
136-055-09CDB	NDSWC ENDERLIN, NU. 2	63	--	--	--	06/24/1963	--	--	U	--	--	--	--	
136-055-128BB1	HANSUN, STEVE	--	30	--	24	1940	10.00	1974	H,S	1128GFV	1070	10.0	--	
136-055-128BB2	HANSUN, ALLEN	34	34	26	18	04/15/1966	2.00	04/15/1966	U	1128GFV	--	--	--	
136-055-17CCC1	NDSWC 9092	340	--	--	--	06/16/1977	--	--	U	--	--	--	1155	
136-055-17CCC2	NDSWC 9892A	100	91	88	1.25	06/21/1977	57.12	07/07/1977	U	1128GFV	2100	9.0	1155	
136-055-19CBC	CRIBB, JAMES	--	60	--	24	1968	58.50	1968	H,S	1128GFV	2620	6.0	--	

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LOCAL NUMBER	OWNER	DEPTH (FEET)	DEPTH OF WELL (FEET)	FIRST OPENING (FEET)	DIAMETER (INCHES)	DATE COMPLETED	WATER LEVEL (FEET)	MEASURED WATER LEVEL DATE	USE OF WATER	PRINCIPAL AQUIFER	CUNDO/CM AT 25°C	TEMPERATURE (DEGREES C)	SURFACE ALTITUDE (FEET)
136-055-21AA1	NDSMC 9891	320	--	--	--	06/16/1977	37.77	07/07/1974	U	1128FV	1550	8.0	1030
136-055-21AA2	NDSMC 9891A	100	72	72	72	06/21/1974	58.00	06/21/1974	U	1128FV	2120	9.0	1030
136-055-22CC	DEFNH, GEORGE	100	72	72	72	06/06/1975	--	--	S,H	2170UT	3900	12.5	--
136-055-2788C	SCHMITZ, FLOYD	690	690	690	640	07/06/1975	--	--	U	2170UT	--	--	1205
136-056-02CC	NDSMC 9894	260	--	--	--	06/22/1977	--	--	U	--	--	--	--
136-056-02CD	GALBREATH, MALLACE	796	796	796	2	11/19/1974	1.74	05/13/1975	H,S	2170UT	4700	12.0	1160
136-056-02DD	NDSMC 9821	280	244	244	238	11/19/1974	26.00	05/23/1973	S,H	1128FV	3300	9.0	--
136-056-07AB	DAGMAN, LEROY	61	59	59	54	05/23/1973	40.00	05/23/1973	S,H	1128FV	2160	7.5	--
136-056-10AA	GALBREATH, DUANE	64	64	64	4	05/1976	10.00	05/1976	H,S	1128FV	1600	9.0	--
136-056-1808A	SCHLECHT, HEUBEN	31	31	31	--	1968	--	--	H	1128FV	1600	9.0	--
136-056-210CC	TORRENSUN, RONALD	--	1320	50	50	06/03/1975	18.00	06/03/1975	S,H	2170UT	4950	15.0	--
136-056-28AA	HANSON, JERRY	55	55	50	4	06/03/1975	--	--	H,S	1128FV	3450	8.0	--
136-056-33UD	THORPE, MILTON	55	62	54	27	06/01/1976	--	--	S,H	1128FV	3250	11.0	--
136-057-02CC	JENKIN, MARK	--	74	74	24	1950	--	--	S	2170UT	4950	16.0	--
136-057-0400A	BRADEN, CLAY	--	1500	--	--	1950	--	--	U	--	--	--	--
136-057-1098C	GOLLIE, HAROLD	16	16	11	30	05/25/1973	--	--	S,H	1128FV	--	--	--
136-057-13CC	LUND, KEVIN	52	52	32	5	09/16/1975	24.00	09/16/1975	H	1128FV	--	--	--
136-057-1600D	NDSMC 9896	76	--	--	--	06/23/1977	--	--	U	--	4990	14.0	1375
136-057-1900D	OLSON, RAY	742	742	700	2	10/10/1972	--	--	S	2170UT	--	--	1560
136-057-21ADD	NDSMC 9497	180	--	--	--	06/24/1977	--	--	U	--	--	--	--
136-057-22AA	SCHUEDEER, DENNIS	80	80	4	181	10/17/1974	140.00	10/17/1974	H,S	1128FV	2620	11.5	--
136-057-3108A	ANDERSON, VIRGIL	106	106	62	30	03/25/1975	--	--	U	111ALVM	2590	6.5	--
136-057-3108B	ANDERSON, EARL	76	76	76	4	11/19/1974	--	--	S	--	--	--	1415
136-058-04CC	NDSMC 9223	46	--	--	--	11/19/1974	--	--	U	--	--	--	--
136-058-08AA	NELSON, EARL	15	--	--	--	1945	12.50	--	H,S	1128FV	595	10.0	--
136-058-08DD	MANSION, JOHN	23	17	12	--	04/28/1977	--	--	S,H	1128FV	--	--	--
136-058-10AA	NDSMC 9222	100	--	--	--	11/19/1974	--	--	U	--	--	--	1420
136-058-12AA	BERG, OLAF	1100	--	--	--	1971	--	--	H,S	2170UT	3600	10.0	1405
136-058-20AA	NDSMC 9901	60	--	--	--	06/28/1977	--	--	U	--	--	--	1402
136-058-21AA	NDSMC 9900	80	--	--	--	06/28/1977	--	--	U	--	--	--	--
136-058-308A	ANDERSON, LESTER	1209	--	2	--	09/10/1959	--	--	S,H	2170UT	3350	16.0	--
136-058-320D	NDSMC 9904	180	24	--	--	06/29/1977	--	--	U	--	995	7.0	1366
136-058-38AC1	ANDERSON, KENNETH	532	532	2	2	03/06/1973	15.15	06/30/1977	F	2170UT	--	--	1400
136-058-330D	NDSMC 9905	60	49	43	1.25	06/29/1977	--	--	U	1128FV	600	7.5	1400
136-058-350A1	NV PARK SE	865	--	--	0.75	1917	--	--	H	2170UT	5300	17.0	1402
136-058-350A2	NDSMC 9903	200	--	--	--	06/29/1977	--	--	U	--	--	--	--
136-058-350A3	NDSMC 9909	120	34	31	1.25	06/08/1977	13.66	09/08/1977	U	111ALVM	5000	10.0	1150

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TABLE 2.—Water levels in selected wells

Water levels shown have been adjusted to feet below or (+) above land surface

MP, measuring point

l.s.d, land surface datum

Depth to water, in feet below or (+) above land surface

129-053-07BBA1 MP is top of 1¼-inch plastic pipe 2.00 ft above l.s.d.

Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1975.....	35.92	June 9.....	35.38	Apr. 13.....	36.51
June 18.....	35.51	July 8.....	35.58	May 11.....	36.41
July 16.....	35.45	Aug. 4.....	35.84	June 7.....	36.63
Sept. 11.....	35.59	Sept. 9.....	36.22	July 6.....	36.72
Oct. 8.....	35.46	Oct. 6.....	36.36	Aug. 3.....	36.95
Nov. 6.....	35.37	Nov. 4.....	36.51	Sept. 7.....	37.05
Dec. 3.....	35.35	Dec. 1.....	36.57	Oct. 6.....	37.02
Mar. 10, 1976.....	35.16	Jan. 18, 1977.....	36.64	Dec. 14.....	36.74
Apr. 14.....	34.99	Feb. 9.....	36.61		
May 5.....	35.02	Mar. 16.....	36.54		

129-053-09AAA1 MP is top of 1¼-inch plastic pipe 2.00 ft above l.s.d.

Jan. 23, 1975.....	33.24	May 5.....	32.34	Mar. 16.....	33.89
May 13.....	33.07	June 9.....	32.73	Apr. 13.....	33.90
June 18.....	32.98	July 8.....	32.98	May 11.....	33.84
July 16.....	32.80	Aug. 4.....	33.30	June 7.....	34.05
Sept. 11.....	32.84	Sept. 9.....	33.54	July 6.....	34.16
Oct. 8.....	32.77	Oct. 6.....	33.67	Aug. 3.....	34.37
Nov. 6.....	32.72	Nov. 4.....	33.80	Sept. 7.....	34.49
Dec. 3.....	32.69	Dec. 1.....	33.85	Oct. 6.....	34.41
Mar. 10, 1976.....	32.53	Jan. 18, 1977.....	33.98	Dec. 14.....	34.09
Apr. 14.....	32.30	Feb. 9.....	33.94		

129-053-11AAA MP is top of 1¼-inch plastic pipe 2.80 ft above l.s.d.

Aug. 4, 1976.....	18.69	Apr. 13.....	14.26	Destroyed
Feb. 9, 1977.....	19.76	May 11.....	7.58	
Mar. 16.....	17.88	June 7.....	7.51	

129-055-07CCC MP is top of 1¼-inch plastic pipe 2.00 ft above l.s.d.

Jan. 23, 1975.....	104.20	May 5.....	98.92	Apr. 12.....	100.84
May 13.....	99.09	June 9.....	99.21	May 10.....	100.78
June 18.....	98.70	July 8.....	99.57	June 7.....	100.96
July 15.....	98.98	Aug. 4.....	100.05	July 6.....	101.29
Sept. 11.....	99.10	Sept. 9.....	100.83	Aug. 3.....	101.84
Oct. 8.....	99.01	Oct. 6.....	101.17	Sept. 7.....	102.49
Nov. 4.....	99.02	Nov. 4.....	101.37	Oct. 6.....	102.28
Dec. 3.....	99.00	Dec. 1.....	101.38	Dec. 14.....	101.93
Mar. 10, 1976.....	98.51	Jan. 18, 1977.....	101.26		
Apr. 14.....	98.86	Mar. 16.....	100.92		

Depth to water, in feet below or (+) above land surface

129-056-05CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1976.....	10.00	Sept. 9.....	14.25	June 7.....	13.08
Apr. 14.....	10.03	Oct. 6.....	14.78	July 6.....	13.97
May 5.....	9.99	Nov. 4.....	14.68	Aug. 3.....	15.50
June 9.....	10.26	Dec. 1.....	14.37	Sept. 7.....	17.23
July 8.....	10.91	Apr. 12, 1977.....	13.05	Oct. 6.....	17.02
Aug. 4.....	12.29	May 10.....	12.86		

129-056-09DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 23, 1975.....	3.49	May 5.....	2.81	Mar. 16.....	6.06
May 13.....	3.44	June 9.....	3.09	Apr. 12.....	5.84
June 18.....	3.37	July 8.....	3.96	May 10.....	5.73
July 16.....	3.16	Aug. 4.....	5.23	June 7.....	6.05
Sept. 11.....	3.08	Sept. 9.....	7.12	July 6.....	7.05
Oct. 8.....	3.00	Oct. 6.....	7.70	Aug. 3.....	9.16
Nov. 4.....	2.98	Nov. 4.....	7.80	Sept. 7.....	10.90
Dec. 3.....	2.95	Dec. 1.....	7.50	Oct. 6.....	10.52
Mar. 10, 1976.....	2.80	Jan. 18, 1977.....	6.80	Dec. 14.....	8.71
Apr. 14.....	2.79	Feb. 9.....	6.51		

129-056-17BBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 23, 1975.....	5.17	May 5.....	4.15	Mar. 16.....	7.66
May 13.....	5.08	June 9.....	4.46	Apr. 12.....	7.39
June 18.....	5.89	July 8.....	5.55	May 10.....	7.25
July 16.....	4.54	Aug. 4.....	7.39	June 7.....	7.70
Sept. 11.....	4.50	Sept. 9.....	9.79	July 6.....	9.09
Oct. 8.....	4.34	Oct. 6.....	10.03	Aug. 3.....	11.62
Nov. 4.....	4.34	Nov. 4.....	9.72	Sept. 7.....	13.51
Dec. 3.....	4.80	Dec. 1.....	9.17	Oct. 6.....	12.56
Mar. 10, 1976.....	4.23	Jan. 18, 1977.....	8.49	Dec. 14.....	10.26
Apr. 14.....	4.18	Feb. 9.....	8.10		

129-056-28CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 23, 1975.....	10.83	May 5.....	10.54	Mar. 16.....	14.46
May 13.....	10.79	June 9.....	11.29	Apr. 12.....	14.26
June 18.....	11.77	July 8.....	13.55	May 10.....	14.22
July 16.....	12.68	Aug. 4.....	15.75	June 7.....	15.48
Sept. 11.....	10.94	Sept. 9.....	18.02	July 6.....	18.07
Oct. 8.....	10.73	Oct. 6.....	17.99	Aug. 3.....	23.06
Nov. 4.....	10.69	Nov. 4.....	17.73	Sept. 7.....	23.50
Dec. 3.....	10.70	Dec. 1.....	16.79	Oct. 6.....	21.60
Mar. 10, 1976.....	10.42	Jan. 18, 1977.....	15.56		
Apr. 14.....	10.48	Feb. 9.....	15.10		



Depth to water, in feet below or (+) above land surface

129-057-08CCC1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1975.....	14.25	May 4.....	11.22	Mar. 16.....	14.86
May 13.....	13.45	June 9.....	17.41	Apr. 12.....	14.34
June 18.....	12.56	July 8.....	21.50	May 10.....	19.85
July 16.....	11.83	Aug. 4.....	30.35	June 7.....	21.13
Sept. 11.....	11.72	Sept. 9.....	27.46	July 6.....	30.40
Oct. 8.....	11.85	Oct. 6.....	18.09	Aug. 3.....	32.92
Nov. 4.....	11.95	Nov. 4.....	16.30	Sept. 7.....	21.06
Dec. 3.....	11.87	Dec. 1.....	15.61	Oct. 6.....	17.89
Mar. 10, 1976.....	12.09	Jan. 18, 1977.....	15.15	Dec. 14.....	15.43
Apr. 14.....	11.56	Feb. 9.....	15.07		

129-057-08CCC2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1975.....	8.11	May 4.....	6.20	Mar. 16.....	8.19
May 13.....	7.34	June 9.....	6.99	Apr. 12.....	7.71
June 18.....	7.36	July 8.....	7.44	May 10.....	7.72
July 16.....	6.57	Aug. 4.....	8.06	June 7.....	8.26
Sept. 11.....	7.06	Sept. 9.....	8.78	July 6.....	8.68
Oct. 8.....	7.53	Oct. 6.....	8.98	Aug. 3.....	9.03
Nov. 4.....	7.50	Nov. 4.....	8.97	Sept. 7.....	9.32
Dec. 3.....	7.52	Dec. 1.....	9.00	Oct. 6.....	9.16
Mar. 10, 1976.....	7.21	Jan. 18, 1977.....	9.13	Dec. 14.....	9.48
Apr. 14.....	6.26	Feb. 9.....	9.19		

129-057-09BBB MP is top of 3-inch downspout 2.60 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1967.....	6.80	Nov. 25.....	6.40	May 25.....	5.60
Feb. 7.....	6.60	Apr. 22, 1969.....	3.40	Aug. 29.....	6.40
Mar. 7.....	6.80	May 29.....	3.80	Nov. 28.....	7.30
Apr. 4.....	6.50	Aug. 29.....	5.60	Mar. 8, 1973.....	7.00
May 5.....	4.70	Nov. 25.....	6.60	June 6.....	7.20
June 5.....	5.40	Feb. 26, 1970.....	7.00	Sept. 7.....	8.80
July 5.....	4.40	Aug. 17.....	7.40	Dec. 6.....	8.60
Aug. 29.....	5.50	Nov. 3.....	7.80	Mar. 5, 1974.....	9.10
Nov. 28.....	6.00	Feb. 23, 1971.....	8.20	June 7.....	7.00
Feb. 26, 1968.....	6.40	May 25.....	7.40	Sept. 5.....	9.00
May 28.....	4.10	Sept. 9.....	8.90	Dec. 11.....	9.60
June 28.....	4.50	Dec. 1.....	8.80	Feb. 11, 1975.....	9.60
Aug. 30.....	5.90	Feb. 22, 1972.....	8.40	June 6.....	7.20

129-057-10CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1975.....	23.53	May 4.....	21.31	Mar. 16.....	24.79
May 13.....	23.06	June 9.....	22.13	Apr. 12.....	24.42
June 18.....	22.52	July 8.....	23.39	May 10.....	24.63
July 16.....	21.89	Aug. 4.....	27.42	June 7.....	25.30
Sept. 11.....	21.80	Sept. 9.....	29.77	July 6.....	28.38
Oct. 8.....	21.72	Oct. 6.....	25.70	Aug. 3.....	30.60
Nov. 4.....	21.74	Nov. 4.....	26.50	Sept. 7.....	30.41
Dec. 3.....	21.69	Dec. 1.....	25.89	Oct. 6.....	28.54
Mar. 10, 1976.....	21.73	Jan. 18, 1977.....	25.31	Dec. 14.....	26.58
Apr. 14.....	21.49	Feb. 9.....	25.12		

Depth to water, in feet below or (+) above land surface

129-057-14AAA1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1975.....	6.75	May 5.....	5.17	Mar. 16.....	8.62
May 13.....	6.55	June 9.....	5.55	Apr. 12.....	8.32
June 18.....	6.18	July 8.....	6.48	May 10.....	8.15
July 16.....	5.72	Aug. 4.....	8.83	June 7.....	8.49
Sept. 11.....	5.51	Sept. 9.....	11.40	July 6.....	10.25
Oct. 8.....	5.42	Oct. 6.....	11.14	Aug. 3.....	12.39
Nov. 4.....	4.76	Nov. 4.....	10.38	Sept. 7.....	13.90
Dec. 3.....	7.50	Dec. 1.....	9.85	Oct. 6.....	12.76
Mar. 10, 1976.....	5.45	Jan. 18, 1977.....	9.22	Dec. 14.....	10.70
Apr. 14.....	5.29	Feb. 9.....	9.01		

129-057-14AAA2 MP is top of 3-inch downspout 1.20 ft above lsd.

Jan. 4, 1967.....	7.90	Nov. 26.....	6.70	May 25.....	3.60
Feb. 2.....	8.00	Apr. 22, 1969.....	2.00	Aug. 29.....	6.80
Mar. 7.....	8.40	May 29.....	3.60	Nov. 28.....	9.10
Apr. 4.....	7.70	Aug. 29.....	7.90	Mar. 8, 1973.....	8.00
May 5.....	3.60	Nov. 24.....	9.10	June 6.....	6.80
June 6.....	5.80	Feb. 24, 1970.....	9.20	Sept. 7.....	8.60
July 6.....	4.20	Aug. 17.....	8.50	Dec. 6.....	7.60
Aug. 29.....	7.10	Nov. 3.....	10.10	Mar. 5, 1974.....	7.80
Nov. 28.....	8.00	Feb. 22, 1971.....	9.80	June 7.....	4.90
Feb. 27, 1968.....	8.50	May 25.....	8.80	Sept. 5.....	9.70
May 27.....	4.80	Sept. 9.....	9.90	Dec. 11.....	10.60
June 28.....	5.20	Dec. 1.....	8.90	Feb. 13, 1975.....	10.80
Aug. 30.....	8.50	Feb. 22, 1972.....	9.10	June 6.....	6.20

129-057-148BB MP is top of 3-inch downspout 0.60 ft above lsd.

Jan. 4, 1967.....	9.00	Nov. 26.....	8.60	May 25.....	8.40
Feb. 2.....	9.20	Apr. 22, 1969.....	5.70	Aug. 29.....	9.40
Mar. 7.....	9.30	May 29.....	6.60	Nov. 28.....	10.80
Apr. 4.....	9.10	Aug. 29.....	9.00	Mar. 8, 1973.....	10.70
May 5.....	6.20	Nov. 24.....	9.90	June 6.....	10.00
June 6.....	7.80	Feb. 24, 1970.....	10.40	Sept. 7.....	11.80
July 6.....	6.20	Aug. 17.....	9.70	Dec. 6.....	11.40
Aug. 29.....	8.00	Nov. 3.....	10.90	Mar. 5, 1974.....	12.10
Nov. 28.....	8.50	Feb. 22, 1971.....	11.70	June 7.....	9.50
Feb. 27, 1968.....	9.00	May 25.....	10.30	Sept. 5.....	11.90
May 28.....	6.90	Sept. 9.....	12.00	Dec. 11.....	13.20
June 28.....	7.40	Dec. 1.....	11.60	Feb. 11, 1975.....	13.50
Aug. 30.....	9.20	Feb. 22, 1972.....	12.30	June 6.....	10.00

129-057-158BB MP is top of 3-inch downspout 1.50 ft above lsd.

Mar. 7, 1967.....	6.20	Apr. 22, 1969.....	1.90	Sept. 7.....	10.20
June 6.....	3.70	Aug. 29.....	6.40	Dec. 6.....	8.50
Nov. 28.....	5.95	Nov. 24.....	7.30	Mar. 5, 1974.....	9.00
Feb. 27, 1968.....	6.50	May 25, 1972.....	4.70	June 7.....	5.90
May 28.....	3.20	Aug. 29.....	7.40	Sept. 5.....	10.50
June 28.....	3.90	Nov. 28.....	8.40	Dec. 11.....	10.50
Aug. 30.....	6.40	Mar. 8, 1973.....	7.50	Feb. 11, 1975.....	10.60
Nov. 26.....	5.80	June 6.....	7.20	June 6.....	7.10

Depth to water, in feet below or (+) above land surface

129-057-20BBB MP is top of 3-inch downspout 0.90 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1967.....	8.70	June 28.....	5.80	Aug. 29.....	9.20
Mar. 7.....	8.80	Aug. 30.....	7.40	Nov. 28.....	10.10
June 6.....	6.50	Nov. 26.....	7.30	Mar. 7, 1973.....	10.30
Aug. 29.....	6.80	Apr. 22, 1969.....	3.50	June 6.....	9.40
Nov. 28.....	7.50	May 29.....	4.50	Sept. 7.....	10.90
Feb. 27, 1968.....	7.70	Aug. 29.....	7.30	Dec. 6.....	10.60
Mar. 26.....	7.90	Nov. 24.....	7.30	June 6, 1975.....	9.20
May 28.....	4.90	May 25, 1972.....	7.40		

129-057-24CCC MP is top of 3-inch downspout 1.20 ft above lsd.

Jan. 4, 1967.....	7.00	Feb. 26, 1970.....	8.70	Mar. 7, 1973.....	5.90
Mar. 7.....	8.00	Aug. 17.....	7.70	June 6.....	5.40
June 7.....	2.00	Nov. 3.....	10.10	Sept. 7.....	7.40
Nov. 28.....	7.20	Feb. 22, 1971.....	10.20	Dec. 6.....	7.10
Feb. 27, 1968.....	9.00	May 25.....	6.50	Mar. 5, 1974.....	8.40
May 27.....	3.60	Sept. 9.....	7.10	June 7.....	4.40
Aug. 30.....	7.40	Dec. 1.....	6.20	Sept. 5.....	10.20
Nov. 26.....	5.10	Feb. 22, 1972.....	8.20	Dec. 11.....	10.70
May 29, 1969.....	1.60	May 25.....	1.80	Feb. 13, 1975.....	10.80
Aug. 28.....	5.60	Aug. 29.....	4.90	June 6.....	6.20
Nov. 24.....	7.90	Nov. 28.....	6.90		

129-057-30DDD MP is top of 3-inch downspout 0.20 ft above lsd.

Jan. 4, 1967.....	7.10	Nov. 26.....	5.70	Sept. 7.....	8.80
Mar. 7.....	7.40	Apr. 22, 1969.....	3.30	Dec. 6.....	8.00
May 5.....	3.80	May 29.....	3.60	Mar. 5, 1974.....	8.80
July 5.....	3.30	Aug. 29.....	7.00	June 7.....	6.20
Nov. 28.....	5.20	Nov. 24.....	7.70	Sept. 5.....	8.70
Feb. 29, 1968.....	5.00	May 25, 1972.....	5.00	Dec. 11.....	9.40
Mar. 26.....	7.50	Aug. 29.....	7.00	Feb. 13, 1975.....	9.40
May 27.....	3.80	Nov. 28.....	8.00	June 6.....	6.80
June 28.....	4.10	Mar. 7, 1973.....	7.80		
Aug. 30.....	6.90	June 6.....	6.80		

129-057-36CCC MP is top of 3-inch downspout 1.50 ft above lsd.

Jan. 4, 1967.....	15.50	Nov. 24.....	8.30	Nov. 28.....	9.50
Mar. 7.....	9.80	Feb. 26, 1970.....	8.40	Mar. 7, 1973.....	7.90
May 5.....	3.10	Aug. 17.....	7.80	June 6.....	5.60
July 6.....	4.00	Nov. 3.....	10.30	Sept. 7.....	9.40
Nov. 28.....	9.30	Feb. 22, 1971.....	7.50	Dec. 6.....	9.70
Feb. 27, 1968.....	10.50	May 25.....	6.60	Mar. 5, 1974.....	9.60
May 27.....	4.60	Sept. 9.....	9.50	June 7.....	4.80
June 28.....	4.10	Dec. 1.....	6.30	Sept. 5.....	9.70
Aug. 30.....	7.90	Feb. 22, 1972.....	7.40	Dec. 11.....	13.00
Nov. 26.....	7.00	May 25.....	2.70	Feb. 13, 1975.....	14.20
Aug. 28, 1969.....	5.00	Aug. 29.....	6.90	June 6.....	4.80

Depth to water, in feet below or (+) above land surface

129-058-06AAA2 MP is top of 6-inch plastic pipe 1.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Oct. 5, 1976.....	10.97	Feb. 25.....	10.01	Aug. 15.....	12.68
Oct. 10.....	10.96	Feb. 28.....	10.00	Aug. 20.....	12.66
Oct. 15.....	10.77	Mar. 5.....	9.97	Aug. 25.....	12.35
Oct. 20.....	10.69	Mar. 10.....	9.95	Aug. 31.....	12.34
Oct. 25.....	10.62	Mar. 15.....	9.25	Sept. 5.....	12.06
Oct. 31.....	10.54	Mar. 20.....	8.77	Sept. 10.....	11.62
Nov. 5.....	10.48	Mar. 25.....	8.42	Sept. 15.....	11.53
Nov. 10.....	10.43	Mar. 31.....	8.26	Sept. 20.....	11.58
Nov. 15.....	10.39	Apr. 5.....	7.96	Sept. 25.....	11.27
Nov. 20.....	10.35	Apr. 10.....	7.75	Sept. 30.....	11.11
Nov. 25.....	10.31	Apr. 15.....	7.69	Oct. 5.....	10.93
Nov. 30.....	10.29	Apr. 20.....	7.62	Oct. 10.....	10.73
Dec. 5.....	10.27	Apr. 25.....	7.60	Oct. 15.....	10.46
Dec. 10.....	10.25	Apr. 30.....	7.59	Oct. 20.....	10.22
Dec. 15.....	10.21	May 5.....	7.56	Oct. 25.....	10.06
Dec. 20.....	10.21	May 10.....	7.69	Oct. 31.....	9.90
Dec. 25.....	10.17	May 15.....	9.04	Nov. 5.....	9.81
Dec. 31.....	10.16	May 20.....	9.06	Nov. 10.....	9.72
Jan. 5, 1977.....	10.14	May 25.....	8.43	Nov. 15.....	9.64
Jan. 10.....	10.13	May 31.....	8.18	Nov. 20.....	9.58
Jan. 15.....	10.13	June 5.....	9.17	Nov. 25.....	9.51
Jan. 20.....	10.12	June 10.....	10.12	Nov. 30.....	9.42
Jan. 25.....	10.11	June 15.....	8.99	Dec. 5.....	9.39
Jan. 31.....	10.11	June 20.....	9.12	Dec. 10.....	9.35
Feb. 5.....	10.13	June 25.....	10.10	Dec. 15.....	9.27
Feb. 10.....	10.06	June 30.....	10.42	Dec. 20.....	9.25
Feb. 15.....	10.07	Aug. 5.....	12.57	Dec. 25.....	9.21
Feb. 20.....	10.04	Aug. 10.....	11.62	Dec. 31.....	9.19

129-058-11DDD MP is top of 3-inch downspout 2.60 ft above lsd.

Feb. 24, 1970.....	6.60	June 6.....	6.50	Sept. 5.....	8.40
May 26, 1972.....	4.50	Sept. 7.....	8.50	Dec. 11.....	8.60
Aug. 29.....	6.80	Dec. 6.....	7.40	Feb. 13, 1975.....	8.70
Nov. 28.....	7.50	Mar. 5, 1974.....	8.10	June 6.....	6.00
Mar. 7, 1973.....	7.30	June 7.....	5.70		

129-058-24CCC MP is top of 3-inch downspout 2.20 ft above lsd.

Jan. 4, 1967.....	5.30	Aug. 30.....	5.50	June 6.....	6.10
Apr. 4.....	3.70	Nov. 26.....	4.50	Sept. 7.....	7.50
June 6.....	2.50	Apr. 22, 1969.....	1.50	Dec. 6.....	6.70
Aug. 29.....	3.50	May 29.....	2.10	Mar. 5, 1974.....	7.30
Nov. 28.....	4.60	Aug. 29.....	5.10	June 7.....	4.90
Feb. 27, 1968.....	5.00	May 26, 1972.....	2.80	Sept. 5.....	7.30
Mar. 26.....	4.50	Aug. 29.....	6.00	Dec. 11.....	7.80
May 28.....	1.80	Nov. 28.....	6.60	Feb. 13, 1975.....	8.00
June 28.....	2.50	Mar. 7, 1973.....	5.80	June 6.....	5.50

Depth to water, in feet below or (+) above land surface

129-058-30CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 2, 1975.....	6.76	Sept. 8.....	8.72	May 10.....	7.40
Mar. 10, 1976.....	6.47	Oct. 5.....	8.92	June 7.....	7.86
Apr. 13.....	4.94	Oct. 27.....	8.97	June 29.....	8.22
May 4.....	4.89	Dec. 1.....	9.00	Aug. 3.....	8.75
June 9.....	6.35	Jan. 18, 1977.....	9.07	Sept. 7.....	9.12
July 7.....	7.06	Mar. 16.....	8.43	Oct. 6.....	9.10
Aug. 3.....	8.11	Apr. 12.....	7.58	Nov. 30.....	8.38

129-058-30DDD1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 2, 1975.....	3.80	Sept. 8.....	4.63	June 7.....	4.21
Apr. 13, 1976.....	2.99	Oct. 5.....	4.97	June 29.....	4.49
May 4.....	2.55	Oct. 27.....	5.11	Aug. 3.....	5.33
June 9.....	2.88	Dec. 1.....	5.22	Sept. 7.....	5.85
July 7.....	3.53	Apr. 12, 1977.....	4.50	Oct. 6.....	5.84
Aug. 3.....	3.86	May 10.....	4.06		

129-058-30DDD2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 2, 1975.....	8.45	Sept. 8.....	9.62	June 7.....	8.95
Apr. 13, 1976.....	6.78	Oct. 5.....	9.88	June 29.....	9.39
May 4.....	6.63	Oct. 27.....	9.96	Aug. 3.....	10.44
June 9.....	7.57	Dec. 1.....	10.06	Sept. 7.....	11.00
July 7.....	8.29	Apr. 12, 1977.....	8.77	Oct. 6.....	10.69
Aug. 3.....	8.81	May 10.....	8.56		

129-058-35DDD MP is top of 3-inch downspout 1.90 ft above lsd.

Jan. 4, 1967.....	5.60	Aug. 30.....	5.20	Sept. 7.....	7.60
Mar. 7.....	5.50	Nov. 26.....	4.00	Dec. 6.....	6.60
July 6.....	.20	Aug. 29, 1969.....	5.20	Mar. 5, 1974.....	6.90
Nov. 28.....	4.30	May 26, 1972.....	2.40	June 7.....	4.90
Feb. 27, 1968.....	4.80	Aug. 29.....	5.60	Sept. 5.....	7.40
Mar. 26.....	3.80	Nov. 28.....	6.60	Dec. 11.....	7.70
May 27.....	1.50	Mar. 7, 1973.....	5.70	Feb. 13, 1975.....	7.90
June 28.....	2.20	June 6.....	5.30	June 6.....	5.20

130-053-11DDD1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Nov. 18, 1975.....	55.90	Sept. 9.....	59.66	May 11.....	57.55
Dec. 3.....	56.01	Oct. 6.....	57.87	June 7.....	57.82
Mar. 10, 1976.....	55.97	Nov. 4.....	57.96	July 6.....	58.01
Apr. 14.....	55.79	Dec. 1.....	57.89	Aug. 3.....	58.18
May 5.....	55.79	Jan. 18, 1977.....	57.96	Sept. 7.....	58.24
June 8.....	56.26	Feb. 9.....	57.92	Oct. 6.....	58.16
July 8.....	56.67	Mar. 16.....	57.70	Dec. 14.....	57.49
Aug. 4.....	57.13	Apr. 13.....	57.65		

Depth to water, in feet below or (+) above land surface

130-054-04CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 3, 1975.....	52.25	Oct. 5.....	53.80	June 8.....	54.05
Mar. 10, 1976.....	52.21	Nov. 3.....	53.98	July 6.....	54.18
Apr. 14.....	52.10	Dec. 1.....	54.03	Aug. 2.....	54.39
May 4.....	52.08	Jan. 18, 1977.....	54.10	Sept. 7.....	54.43
June 9.....	52.46	Feb. 8.....	54.09	Oct. 6.....	54.53
July 7.....	52.70	Mar. 16.....	54.00	Dec. 14.....	54.09
Aug. 3.....	53.09	Apr. 13.....	53.94		
Sept. 8.....	53.60	May 11.....	53.90		

130-054-06CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 24, 1975.....	80.80	May 4.....	80.00	Mar. 16.....	81.87
May 13.....	80.58	June 9.....	80.40	Apr. 13.....	82.80
June 18.....	80.50	July 7.....	80.61	May 11.....	81.72
July 16.....	80.33	Aug. 3.....	80.99	June 8.....	81.88
Sept. 11.....	80.28	Sept. 8.....	81.49	July 6.....	82.00
Oct. 8.....	80.30	Oct. 5.....	81.65	Aug. 2.....	82.18
Nov. 6.....	79.78	Nov. 3.....	81.83	Sept. 7.....	82.33
Dec. 3.....	80.17	Dec. 1.....	81.89	Oct. 6.....	82.39
Mar. 10, 1976.....	80.14	Jan. 18, 1977.....	81.95	Dec. 14.....	82.01
Apr. 14.....	80.02	Feb. 8.....	81.92		

130-054-13DDD2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

May 13, 1975.....	+1.40	June 9.....	+0.66	Apr. 13.....	+1.02
June 18.....	+1.00	July 8.....	+1.12	May 11.....	+1.98
July 16.....	+1.58	Aug. 4.....	.46	June 7.....	+1.12
Sept. 10.....	+1.35	Sept. 9.....	.92	July 6.....	.03
Oct. 8.....	+1.18	Oct. 6.....	.80	Aug. 3.....	.33
Nov. 6.....	+1.80	Oct. 6.....	.32	Sept. 7.....	.31
Apr. 14, 1976.....	+2.03	Nov. 4.....	.17	Oct. 6.....	+1.63
May 5.....	+1.86	Mar. 16, 1977.....	+1.61	Dec. 14.....	+1.19

130-054-35CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 23, 1975.....	43.80	May 5.....	43.04	Mar. 16.....	44.61
May 13.....	43.60	June 9.....	43.35	Apr. 13.....	44.58
June 18.....	43.54	July 8.....	43.59	May 11.....	44.48
July 16.....	43.41	Aug. 4.....	43.86	June 7.....	44.67
Sept. 11.....	43.51	Sept. 9.....	44.33	July 6.....	44.78
Oct. 8.....	43.41	Oct. 6.....	44.47	Aug. 3.....	45.02
Nov. 6.....	43.32	Nov. 4.....	44.61	Sept. 7.....	45.11
Dec. 3.....	43.30	Dec. 1.....	44.64	Oct. 6.....	45.10
Mar. 10, 1976.....	43.09	Jan. 18, 1977.....	44.70	Dec. 14.....	44.77
Apr. 14.....	42.98	Feb. 9.....	44.70		

Depth to water, in feet below or (+) above land surface

130-055-04BBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 3, 1975.....	80.89	Oct. 5.....	82.68	June 8.....	82.17
Mar. 10, 1976.....	80.83	Nov. 3.....	82.72	July 6.....	82.47
Apr. 14.....	80.64	Dec. 1.....	82.68	Aug. 2.....	82.64
May 4.....	80.68	Jan. 18, 1977.....	82.37	Sept. 7.....	82.75
June 9.....	81.20	Feb. 8.....	82.22	Oct. 6.....	82.66
July 7.....	81.62	Mar. 16.....	81.93	Dec. 14.....	82.18
Aug. 3.....	82.05	Apr. 13.....	81.90		
Sept. 8.....	82.69	May 10.....	81.84		

130-055-06ABB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 3, 1975.....	98.69	Oct. 5.....	101.01	June 8.....	100.93
Mar. 10, 1976.....	98.80	Nov. 3.....	101.00	July 6.....	101.23
Apr. 14.....	98.62	Dec. 1.....	100.51	Aug. 2.....	101.66
May 4.....	98.90	Jan. 18, 1977.....	100.23	Sept. 7.....	101.38
June 9.....	99.93	Feb. 8.....	100.16	Oct. 6.....	100.79
July 7.....	100.25	Mar. 16.....	99.86	Dec. 14.....	100.27
Aug. 3.....	101.12	Apr. 13.....	99.77		
Sept. 8.....	101.38	May 10.....	100.20		

130-055-25AAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1975.....	85.12	May 4.....	84.53	Mar. 16.....	86.25
May 13.....	85.04	June 9.....	85.04	Apr. 13.....	86.18
June 18.....	84.84	July 8.....	85.27	May 11.....	86.16
July 15.....	84.85	Aug. 4.....	85.55	June 8.....	86.49
Sept. 11.....	84.65	Sept. 9.....	86.12	July 6.....	86.52
Oct. 8.....	84.78	Oct. 5.....	86.34	Aug. 2.....	86.70
Nov. 6.....	84.66	Nov. 3.....	86.35	Sept. 7.....	86.93
Dec. 3.....	84.69	Dec. 1.....	86.37	Oct. 6.....	86.89
Mar. 10, 1976.....	84.60	Jan. 18, 1977.....	86.44	Dec. 14.....	86.51
Apr. 13.....	84.62	Feb. 8.....	86.39		

130-056-01ABB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1976.....	91.50	Apr. 13.....	92.62	Sept. 7.....	93.79
Oct. 5.....	93.50	May 10.....	92.00	Oct. 6.....	93.05
Nov. 3.....	93.57	June 8.....	92.76	Dec. 14.....	92.60
Mar. 16, 1977.....	92.80	Aug. 2.....	93.97		

130-056-02BBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 3, 1975.....	2.80	Oct. 5.....	3.71	May 10.....	3.66
Apr. 13, 1976.....	2.93	Nov. 3.....	3.78	June 8.....	3.77
May 4.....	2.93	Dec. 1.....	3.79	July 6.....	3.90
June 9.....	3.19	Jan. 18, 1977.....	3.79	Aug. 2.....	3.98
July 7.....	3.30	Feb. 8.....	3.77	Sept. 7.....	4.05
Aug. 3.....	3.53	Mar. 16.....	3.70	Oct. 6.....	4.06
Sept. 8.....	3.70	Apr. 13.....	3.69	Dec. 14.....	3.82

Depth to water, in feet below or (+) above land surface

130-057-01CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1975.....	20.42	May 4.....	19.09	Mar. 16.....	21.60
May 13.....	20.43	June 9.....	19.29	Apr. 13.....	21.60
June 26.....	20.10	July 7.....	19.47	May 10.....	21.53
July 16.....	19.96	Aug. 3.....	19.79	June 8.....	21.62
Sept. 11.....	19.80	Sept. 8.....	20.41	July 6.....	21.83
Oct. 8.....	19.60	Oct. 5.....	20.81	Aug. 2.....	22.10
Nov. 6.....	19.48	Nov. 3.....	21.23	Sept. 8.....	22.46
Dec. 3.....	19.40	Dec. 1.....	21.44	Oct. 12.....	22.65
Mar. 10, 1976.....	19.21	Jan. 18, 1977.....	21.63	Nov. 30.....	22.61
Apr. 13.....	19.16	Feb. 8.....	21.65		

130-057-03AAA1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 3, 1975.....	26.45	Sept. 8.....	28.79	Apr. 13.....	29.98
Mar. 10, 1976.....	26.82	Oct. 5.....	29.47	May 10.....	29.70
Apr. 13.....	26.59	Nov. 3.....	29.92	June 8.....	29.75
May 4.....	26.29	Dec. 1.....	30.00	July 6.....	29.91
June 9.....	26.39	Jan. 18, 1977.....	30.09	Aug. 2.....	30.38
July 7.....	26.73	Feb. 8.....	30.12	Sept. 8.....	30.88
Aug. 3.....	27.42	Mar. 16.....	30.08	Oct. 12.....	30.95

130-057-04DDD MP is top of 3-inch downspout 2.00 ft above lsd.

Apr. 4, 1967.....	6.50	Aug. 27.....	4.80	Aug. 27.....	6.10
June 5.....	4.20	Nov. 24.....	6.10	Nov. 29.....	7.50
Aug. 28.....	6.10	Feb. 25, 1970.....	6.70	Mar. 7, 1973.....	7.30
Nov. 27.....	6.30	Aug. 14.....	6.40	June 6.....	6.30
Feb. 26, 1968.....	7.30	Nov. 3.....	7.90	Sept. 7.....	7.60
May 28.....	3.50	Feb. 22, 1971.....	8.30	Dec. 6.....	7.00
June 27.....	4.00	May 25.....	6.80	Mar. 5, 1974.....	8.00
Aug. 30.....	6.30	Sept. 8.....	7.90	June 7.....	5.60
Nov. 25.....	5.50	Nov. 30.....	7.30	Sept. 5.....	8.30
Apr. 21, 1969.....	1.40	Feb. 22, 1972.....	8.00	Dec. 11.....	9.00
May 29.....	2.70	May 25.....	4.30	June 6, 1975.....	6.90

130-057-05AAA2 MP is top of 3-inch downspout 1.40 ft above lsd.

Nov. 8, 1966.....	9.90	May 28.....	6.80	Aug. 27.....	8.80
Jan. 3, 1967.....	10.30	Aug. 27.....	8.60	Nov. 28.....	10.40
Mar. 6.....	10.60	Nov. 25.....	10.00	Mar. 7, 1973.....	10.60
May 4.....	9.20	Feb. 24, 1970.....	10.50	June 6.....	9.50
July 5.....	8.40	Aug. 14.....	9.90	Sept. 7.....	11.40
Nov. 27.....	9.60	Nov. 3.....	10.90	Dec. 5.....	11.20
Feb. 27, 1968.....	10.20	Feb. 22, 1971.....	11.40	Mar. 4, 1974.....	11.50
May 27.....	7.90	May 24.....	10.30	June 6.....	10.20
June 27.....	7.70	Sept. 8.....	10.50	Sept. 5.....	11.50
Aug. 30.....	9.50	Nov. 30.....	10.30	Dec. 10.....	11.60
Nov. 25.....	9.70	Feb. 24, 1972.....	10.60	Feb. 11, 1975.....	11.60
Apr. 21, 1969.....	6.30	May 25.....	6.90	June 5.....	10.90



Depth to water, in feet below or (+) above land surface

130-057-06DDD MP is top of 3-inch downspout 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Apr. 3, 1967.....	7.10	Nov. 24.....	8.80	Mar. 7, 1973.....	6.00
June 5.....	4.50	Aug. 14, 1970.....	9.70	June 6.....	6.50
Nov. 27.....	7.00	Nov. 3.....	9.60	Sept. 7.....	10.50
Feb. 26, 1968.....	9.70	Feb. 22, 1971.....	10.00	Dec. 6.....	8.40
May 28.....	4.00	May 25.....	7.10	Mar. 4, 1974.....	9.50
June 27.....	5.00	Nov. 30.....	7.60	June 7.....	5.70
Aug. 30.....	10.00	Feb. 24, 1972.....	8.80	Sept. 5.....	10.50
Nov. 25.....	7.80	May 25.....	1.80	Dec. 11.....	10.50
May 29, 1969.....	2.90	Aug. 27.....	5.40	Feb. 11, 1975.....	10.50
Aug. 27.....	8.90	Nov. 29.....	7.30	June 6.....	6.20

130-057-07CCC MP is top of 3-inch downspout 1.80 ft above lsd.

Dec. 5, 1966.....	8.90	May 28.....	5.20	Aug. 27.....	8.10
Jan. 3, 1967.....	10.20	June 27.....	5.40	Nov. 28.....	9.70
Mar. 6.....	10.20	Aug. 30.....	9.50	Mar. 7, 1973.....	9.90
May 5.....	6.10	Nov. 25.....	8.10	June 6.....	8.30
July 5.....	6.80	Apr. 22, 1969.....	2.30	Dec. 6.....	9.70
Nov. 27.....	8.90	May 29.....	4.00	June 7, 1974.....	6.80
Feb. 26, 1968.....	9.80	Aug. 27.....	8.20	June 6, 1975.....	8.40
Mar. 26.....	9.40	May 26, 1972.....	3.60		

130-057-09BBB MP is top of 3-inch downspout 3.00 ft above lsd.

Apr. 3, 1967.....	6.90	Apr. 21, 1969.....	0.50	Aug. 27, 1972.....	3.20
June 5.....	4.60	Aug. 27.....	6.00	Nov. 29.....	7.30
Aug. 28.....	7.40	Nov. 24.....	7.10	Mar. 7, 1973.....	6.90
Nov. 27.....	7.80	Aug. 14, 1970.....	7.90	June 6.....	6.30
Feb. 26, 1968.....	8.10	Nov. 3.....	8.60	Sept. 7.....	8.30
May 28.....	2.00	Feb. 22, 1971.....	8.90	Dec. 6.....	7.40
June 27.....	4.90	May 25.....	6.80	Mar. 5, 1974.....	7.80
Aug. 30.....	7.90	Sept. 8.....	7.30	June 7.....	5.00
Nov. 25.....	6.50	Nov. 30.....	6.40	June 6, 1975.....	5.90

130-057-17AAA MP is top of 3-inch downspout 1.50 ft above lsd.

Jan. 3, 1967.....	7.30	Apr. 22, 1969.....	4.30	Aug. 27.....	6.90
Mar. 6.....	7.50	May 29.....	3.10	Nov. 29.....	7.30
May 5.....	4.90	Aug. 28.....	5.50	Mar. 7, 1973.....	7.50
July 5.....	5.80	Nov. 25.....	6.70	June 6.....	6.80
Nov. 27.....	7.00	Aug. 14, 1970.....	7.70	Sept. 7.....	8.40
Mar. 26, 1968.....	6.70	Nov. 3.....	8.40	Dec. 6.....	7.70
May 28.....	5.00	May 25, 1971.....	7.00	Mar. 5, 1974.....	8.10
June 27.....	5.60	Sept. 8.....	8.10	June 7.....	6.50
Aug. 30.....	7.30	Dec. 1.....	7.50	Sept. 5.....	8.50
Nov. 25.....	6.50	May 25, 1972.....	5.30	June 6, 1975.....	7.10

Depth to water, in feet below or (+) above land surface

130-057-20AAA MP is top of 3-inch downspout 3.70 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1967.....	10.60	May 29.....	6.20	Nov. 29.....	10.20
June 5.....	9.00	Aug. 28.....	8.70	Mar. 8, 1973.....	10.90
Aug. 28.....	9.90	Nov. 24.....	9.90	June 6.....	10.50
Nov. 27.....	9.90	Aug. 14, 1970.....	11.00	Sept. 7.....	12.90
Feb. 13, 1968.....	11.20	Nov. 3.....	12.40	Dec. 6.....	11.50
May 28.....	8.20	May 25, 1971.....	10.70	June 7, 1974.....	9.50
June 27.....	8.70	Sept. 8.....	10.30	Sept. 5.....	12.90
Aug. 30.....	10.40	Dec. 1.....	11.60	Dec. 11.....	13.40
Nov. 25.....	9.70	May 26, 1972.....	8.30	June 6, 1975.....	6.30
Apr. 21, 1969.....	6.70	Aug. 27.....	10.40		

130-057-30AAA MP is top of 3-inch downspout 0.60 ft above lsd.

Dec. 5, 1966.....	4.20	June 27.....	3.50	Aug. 27.....	5.80
Feb. 2, 1967.....	5.30	Aug. 30.....	5.60	Nov. 29.....	6.60
Apr. 4.....	4.10	Nov. 25.....	4.10	Mar. 8, 1973.....	6.10
June 5.....	3.80	Apr. 21, 1969.....	.70	June 6.....	5.40
Aug. 28.....	5.00	Aug. 29.....	4.10	Dec. 6.....	6.40
Nov. 28.....	4.60	Nov. 25.....	4.70	Mar. 5, 1974.....	7.50
Feb. 26, 1968.....	5.60	Feb. 25, 1970.....	5.30	June 7.....	4.60
May 28.....	2.20	May 26, 1972.....	2.40	June 6, 1975.....	5.60

130-058-09AAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 3, 1975.....	88.27	Sept. 8.....	88.08	June 8.....	88.45
Mar. 10, 1976.....	88.06	Oct. 5.....	88.13	June 29.....	88.42
Apr. 13.....	88.05	Nov. 3.....	88.25	Aug. 3.....	88.59
May 4.....	87.90	Dec. 1.....	88.28	Sept. 8.....	88.62
June 9.....	87.87	Mar. 16, 1977.....	88.59	Oct. 13.....	88.81
July 7.....	87.90	Apr. 13.....	88.61		
Aug. 3.....	88.11	May 10.....	88.44		

130-058-11BAA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 3, 1975.....	52.39	Oct. 5.....	52.51	June 8.....	52.38
Mar. 10, 1976.....	52.28	Nov. 3.....	52.58	June 29.....	52.38
Apr. 13.....	52.14	Dec. 1.....	52.57	Aug. 4.....	52.51
May 4.....	52.12	Jan. 18, 1977.....	52.65	Sept. 8.....	52.54
June 9.....	52.21	Feb. 8.....	52.67	Oct. 13.....	52.70
July 7.....	52.30	Mar. 16.....	52.65	Nov. 30.....	52.72
Aug. 3.....	52.34	Apr. 13.....	52.49		
Sept. 3.....	52.48	May 10.....	52.36		

130-058-14DDD MP is top of 3-inch downspout 1.50 ft above lsd.

Dec. 5, 1966.....	5.40	Feb. 26, 1968.....	10.00	Dec. 6.....	9.00
Feb. 7, 1967.....	7.90	May 28.....	.60	Mar. 5, 1974.....	11.10
Apr. 4.....	4.50	June 28.....	.90	June 7.....	3.00
June 5.....	2.30	May 26, 1972.....	.60	June 6, 1975.....	4.00
Aug. 28.....	6.70	June 6, 1973.....	5.90		
Nov. 27.....	6.00	Sept. 7.....	10.80		

Depth to water, in feet below or (+) above land surface

130-058-17DDD2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1975.....	14.28	May 4.....	9.27	Mar. 16.....	14.23
May 13.....	12.76	June 9.....	10.30	Apr. 12.....	13.34
June 18.....	11.81	July 7.....	11.08	May 10.....	13.01
July 16.....	9.51	Aug. 3.....	11.92	June 8.....	13.30
Sept. 11.....	9.16	Sept. 8.....	13.10	June 29.....	13.55
Oct. 8.....	9.83	Oct. 5.....	13.64	Aug. 4.....	14.23
Nov. 6.....	10.20	Nov. 3.....	13.96	Sept. 7.....	14.69
Dec. 3.....	10.55	Dec. 1.....	14.12	Oct. 13.....	14.55
Mar. 10, 1976.....	10.84	Jan. 18, 1977.....	14.41	Nov. 30.....	14.08
Apr. 13.....	9.54	Feb. 8.....	14.53		

130-058-18DDD3 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 3, 1975.....	1.96	Nov. 3.....	5.21	June 8.....	4.54
May 4, 1976.....	.10	Dec. 1.....	5.15	June 29.....	4.10
June 9.....	3.09	Jan. 18, 1977.....	5.43	Aug. 4.....	6.56
July 7.....	3.91	Feb. 8.....	5.56	Sept. 7.....	6.25
Aug. 3.....	5.41	Mar. 16.....	3.99	Oct. 13.....	4.00
Sept. 8.....	5.76	Apr. 12.....	2.76	Nov. 30.....	3.77
Oct. 5.....	5.40	May 10.....	3.12		

130-058-24AAA MP is top of 3-inch downspout 0.90 ft above lsd.

Dec. 5, 1966.....	12.50	May 28.....	7.10	Feb. 26, 1970.....	15.40
Feb. 7, 1967.....	15.20	June 27.....	7.90	Aug. 14.....	15.60
Apr. 4.....	12.30	Aug. 30.....	14.40	May 25, 1972.....	7.00
June 5.....	7.90	Nov. 25.....	15.50	Aug. 27.....	14.40
Aug. 28.....	12.60	May 29, 1969.....	2.80	Dec. 11, 1974.....	16.20
Nov. 27.....	13.70	Aug. 27.....	10.00	June 6, 1975.....	11.90
Feb. 26, 1968.....	16.10	Nov. 25.....	13.80		

130-058-24DDD MP is top of 3-inch downspout 0.80 ft above lsd.

Dec. 5, 1966.....	9.10	Aug. 28.....	14.30	Nov. 29.....	14.00
Feb. 2, 1967.....	12.80	Nov. 25.....	12.60	Mar. 8, 1973.....	13.90
Apr. 4.....	4.70	May 29, 1969.....	2.90	June 6.....	10.40
June 5.....	4.40	Aug. 29.....	10.70	Sept. 7.....	16.10
Aug. 28.....	10.80	Nov. 25.....	12.40	Dec. 6.....	14.30
Nov. 28.....	10.10	Feb. 25, 1970.....	14.90	Mar. 5, 1974.....	3.00
Feb. 26, 1968.....	15.70	Aug. 14.....	15.50	June 7.....	8.60
May 28.....	4.00	May 26, 1972.....	1.30	June 6, 1975.....	9.30
June 27.....	6.00	Aug. 27.....	11.20		

Depth to water, in feet below or (+) above land surface

130-058-36BBB MP is top of 3-inch downspout 1.20 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 5, 1966.....	9.70	May 29.....	5.60	Nov. 28.....	10.20
Feb. 2, 1967.....	11.40	Aug. 29.....	8.80	Mar. 7, 1973.....	7.50
Apr. 4.....	11.30	Nov. 25.....	12.00	June 6.....	8.90
June 5.....	6.90	Feb. 26, 1970.....	12.50	Sept. 7.....	13.30
Aug. 29.....	9.20	Aug. 17.....	12.20	Dec. 6.....	11.00
Nov. 28.....	10.20	Nov. 3.....	13.20	Mar. 5, 1974.....	12.80
Feb. 26, 1968.....	11.70	May 25, 1971.....	9.40	June 7.....	7.90
May 28.....	5.60	Sept. 9.....	13.30	Sept. 5.....	13.90
June 28.....	6.10	Dec. 1.....	12.10	Dec. 11.....	14.10
Aug. 30.....	11.70	Feb. 22, 1972.....	13.60	Feb. 11, 1975.....	14.10
Nov. 26.....	10.70	May 26.....	6.60	June 6.....	8.90
Apr. 22, 1969.....	2.90	Aug. 29.....	9.20		

131-053-03AAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 24, 1975.....	18.84	May 5.....	17.67	Mar. 16.....	18.91
May 13.....	18.93	June 8.....	17.74	Apr. 13.....	19.00
June 18.....	18.70	July 8.....	17.85	May 11.....	19.01
July 15.....	17.78	Aug. 4.....	17.91	June 7.....	19.04
Sept. 10.....	16.90	Sept. 9.....	18.17	July 6.....	19.13
Oct. 8.....	16.99	Oct. 6.....	18.27	Aug. 3.....	19.22
Nov. 5.....	17.14	Nov. 4.....	18.39	Sept. 7.....	19.32
Dec. 3.....	17.23	Dec. 1.....	18.49	Oct. 6.....	19.42
Mar. 10, 1976.....	17.62	Jan. 19, 1977.....	18.67	Dec. 14.....	19.44
Apr. 14.....	17.57	Feb. 9.....	18.77		

131-053-03DDD2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 14, 1976.....	23.46	Jan. 19, 1977.....	24.01	July 6.....	24.09
Aug. 4.....	23.04	Feb. 9.....	24.05	Aug. 3.....	25.20
Sept. 9.....	23.45	Mar. 16.....	24.00	Sept. 7.....	25.18
Oct. 6.....	23.60	Apr. 13.....	24.03	Oct. 6.....	25.15
Nov. 4.....	23.73	May 11.....	24.04	Dec. 14.....	24.63
Dec. 1.....	23.82	June 7.....	24.05		

131-053-09AAA MP is top of 1¼-inch plastic pipe 1.40 ft above lsd.

Jan. 24, 1975.....	8.36	May 5.....	4.17	Mar. 16.....	9.23
May 13.....	4.39	June 8.....	5.77	Apr. 13.....	8.41
June 18.....	4.39	July 8.....	6.92	May 11.....	8.04
July 16.....	3.43	Aug. 4.....	8.43	June 7.....	7.70
Sept. 10.....	4.68	Sept. 9.....	9.59	July 6.....	8.65
Oct. 8.....	5.35	Oct. 6.....	9.68	Aug. 3.....	9.53
Nov. 5.....	4.67	Nov. 4.....	9.52	Sept. 7.....	9.50
Dec. 3.....	5.26	Dec. 1.....	9.46	Oct. 6.....	8.05
Mar. 10, 1976.....	5.29	Jan. 19, 1977.....	9.65	Dec. 14.....	7.14
Apr. 14.....	3.70	Feb. 9.....	9.74		

Depth to water, in feet below or (+) above land surface

131-053-09CCC MP is top of 1¼-inch plastic pipe 2.40 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1975.....	4.03	June 8.....	1.92	Mar. 16.....	4.12
May 13.....	1.41	July 8.....	2.65	Apr. 13.....	3.48
June 18.....	1.40	Aug. 4.....	3.55	May 11.....	3.30
July 16.....	+48	Sept. 9.....	4.34	June 7.....	3.64
Sept. 10.....	.20	Oct. 6.....	4.54	July 6.....	4.26
Oct. 8.....	.80	Nov. 4.....	4.51	Aug. 3.....	4.72
Nov. 5.....	1.40	Dec. 1.....	4.51	Sept. 7.....	4.84
Apr. 14, 1976.....	.01	Jan. 19, 1977.....	4.64	Oct. 6.....	3.97
May 5.....	.28	Feb. 9.....	4.70	Dec. 14.....	3.22

131-053-10CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 15, 1976.....	7.67	Dec. 1.....	10.88	June 7.....	10.30
July 8.....	8.36	Jan. 19, 1977.....	11.07	July 6.....	10.87
Aug. 4.....	9.57	Feb. 9.....	11.20	Aug. 3.....	11.30
Sept. 9.....	10.63	Mar. 16.....	10.77	Sept. 7.....	11.43
Oct. 6.....	9.80	Apr. 13.....	10.20	Oct. 6.....	10.78
Nov. 4.....	10.81	May 11.....	9.91	Dec. 14.....	9.90

131-053-11CCB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 14, 1976.....	5.13	Jan. 19, 1977.....	8.08	July 6.....	8.16
Aug. 4.....	7.42	Feb. 9.....	8.13	Aug. 3.....	8.66
Sept. 9.....	8.51	Mar. 16.....	7.40	Sept. 7.....	8.80
Oct. 6.....	8.25	Apr. 13.....	7.23	Oct. 6.....	8.14
Nov. 4.....	8.09	May 11.....	6.81	Dec. 14.....	6.72
Dec. 1.....	8.02	June 7.....	7.42		

131-053-11CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 14, 1976.....	5.03	Jan. 19, 1977.....	8.26	July 6.....	8.26
Aug. 4.....	7.33	Feb. 9.....	8.29	Aug. 3.....	8.88
Sept. 9.....	8.46	Mar. 16.....	7.59	Sept. 7.....	9.04
Oct. 6.....	8.39	Apr. 13.....	7.21	Oct. 6.....	8.34
Nov. 4.....	8.23	May 11.....	6.90	Dec. 14.....	6.84
Dec. 1.....	8.16	June 7.....	7.56		

131-053-17CBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 24, 1975.....	35.00	Apr. 14.....	32.33	Mar. 16, 1977.....	35.64
May 13.....	33.40	May 5.....	32.37	Apr. 13.....	35.33
June 18.....	33.38	June 8.....	33.26	May 11.....	34.96
July 16.....	32.16	July 8.....	33.92	June 7.....	35.21
Sept. 10.....	32.50	Aug. 4.....	34.60	July 6.....	35.60
Oct. 8.....	32.83	Sept. 9.....	35.47	Aug. 3.....	35.91
Nov. 5.....	32.71	Oct. 6.....	35.77	Sept. 8.....	36.05
Dec. 3.....	32.80	Nov. 4.....	35.81	Oct. 6.....	35.73
Mar. 10, 1976.....	32.85	Dec. 1.....	35.80		

Depth to water, in feet below or (+) above land surface

131-053-19CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
July 8, 1976.....	30.24	Jan. 19, 1977.....	31.90	July 6.....	31.90
Aug. 4.....	30.27	Feb. 9.....	31.97	Aug. 3.....	32.15
Sept. 9.....	31.54	Mar. 16.....	31.85	Sept. 8.....	32.31
Oct. 6.....	31.80	Apr. 13.....	31.74	Oct. 6.....	32.29
Nov. 4.....	31.93	May 11.....	31.46	Dec. 14.....	31.52
Dec. 1.....	31.91	June 7.....	31.65		

131-054-22BBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 3, 1975.....	46.39	Sept. 8.....	47.71	May 11.....	48.13
Mar. 10, 1976.....	46.38	Oct. 5.....	48.04	June 7.....	48.27
Apr. 14.....	46.23	Nov. 3.....	48.28	July 6.....	48.47
May 5.....	46.20	Jan. 19, 1977.....	48.42	Aug. 3.....	48.65
June 8.....	46.47	Feb. 8.....	48.51	Sept. 8.....	48.81
July 7.....	46.77	Mar. 16.....	48.38	Oct. 6.....	48.83
Aug. 3.....	47.13	Apr. 13.....	48.24	Dec. 14.....	48.24

131-056-31CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 3, 1975.....	23.50	Sept. 8.....	24.26	Apr. 13.....	25.36
Mar. 10, 1976.....	23.30	Oct. 5.....	24.59	May 10.....	25.14
Apr. 13.....	23.20	Nov. 3.....	24.95	June 8.....	25.29
May 4.....	23.14	Dec. 1.....	25.17	July 6.....	25.50
June 9.....	23.35	Jan. 18, 1977.....	25.38	Aug. 2.....	25.79
July 7.....	23.56	Feb. 8.....	25.40	Sept. 8.....	26.04
Aug. 3.....	23.75	Mar. 16.....	25.39	Oct. 12.....	26.20

131-057-03DDD MP is top of 3-inch downspout 1.40 ft above lsd.

Nov. 8, 1966.....	3.90	Aug. 28.....	3.40	Mar. 7, 1973.....	4.00
Jan. 3, 1967.....	4.20	Nov. 25.....	4.20	June 6.....	4.00
Mar. 6.....	2.60	Feb. 24, 1970.....	4.20	Sept. 7.....	3.90
July 5.....	1.00	Aug. 14.....	4.00	Dec. 5.....	4.10
Nov. 27.....	4.10	Nov. 2.....	4.20	Mar. 4, 1974.....	4.20
Feb. 26, 1968.....	4.20	Feb. 22, 1971.....	4.20	June 6.....	2.80
May 27.....	1.30	May 24.....	3.90	Sept. 4.....	4.30
June 27.....	1.90	Sept. 8.....	3.90	Dec. 10.....	4.40
Aug. 29.....	4.00	Nov. 30.....	4.10	Feb. 12, 1975.....	4.40
Nov. 25.....	3.30	Aug. 27, 1972.....	3.90	June 5.....	2.20
Apr. 21, 1969.....	3.00	Nov. 28.....	3.90		

Depth to water, in feet below or (+) above land surface

131-057-04CCC MP is top of 3-inch downspout 2.20 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1966.....	8.20	May 28.....	4.00	Nov. 28.....	7.80
Jan. 3, 1967.....	8.60	Aug. 28.....	6.70	Mar. 7, 1973.....	7.80
Mar. 6.....	8.90	Nov. 25.....	7.40	June 6.....	7.60
May 4.....	6.00	Feb. 24, 1970.....	8.00	Sept. 7.....	9.00
July 5.....	5.90	Aug. 14.....	8.50	Dec. 5.....	8.20
Nov. 27.....	7.30	Nov. 2.....	9.10	Mar. 4, 1974.....	8.80
Feb. 26, 1968.....	8.60	Feb. 22, 1971.....	9.50	June 6.....	6.70
May 27.....	5.90	May 24.....	8.10	Sept. 4.....	9.20
June 27.....	5.80	Sept. 8.....	7.50	Dec. 10.....	9.80
Aug. 28.....	7.40	Nov. 30.....	7.20	Feb. 12, 1975.....	9.80
Nov. 25.....	7.10	May 25, 1972.....	5.50	June 5.....	7.40
Apr. 21, 1969.....	3.90	Aug. 27.....	6.70		

131-057-04DDD MP is top of 3-inch downspout 2.30 ft above lsd.

Nov. 8, 1966.....	6.20	May 28.....	1.80	Aug. 27.....	5.20
Jan. 3, 1967.....	6.70	Aug. 28.....	4.90	Nov. 28.....	6.00
Mar. 6.....	6.70	Nov. 25.....	5.70	Mar. 7, 1973.....	6.20
May 4.....	3.50	Feb. 24, 1970.....	6.00	June 6.....	5.10
July 5.....	3.20	Aug. 14.....	6.20	Sept. 7.....	7.10
Nov. 27.....	5.60	Nov. 2.....	7.00	Dec. 5.....	6.50
Feb. 26, 1968.....	6.40	Feb. 22, 1971.....	7.50	Mar. 4, 1974.....	7.10
May 27.....	3.10	May 24.....	6.20	June 6.....	4.70
June 27.....	2.80	Sept. 8.....	5.90	Sept. 4.....	7.30
Aug. 29.....	5.50	Nov. 30.....	5.60	Dec. 10.....	7.80
Nov. 25.....	4.70	Feb. 24, 1972.....	6.50	Feb. 12, 1975.....	8.00
Apr. 24, 1969.....	.60	May 25.....	2.60	June 5.....	5.60

131-057-06DDD1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 4, 1975.....	4.16	Oct. 5.....	7.07	May 10.....	5.52
Mar. 11, 1976.....	4.02	Nov. 3.....	7.03	June 8.....	5.98
Apr. 13.....	3.01	Dec. 2.....	7.08	July 6.....	7.22
May 4.....	3.00	Jan. 18, 1977.....	7.27	Aug. 2.....	8.43
June 9.....	4.25	Feb. 8.....	7.30	Sept. 8.....	7.58
Aug. 3.....	6.11	Mar. 17.....	6.71	Oct. 12.....	6.61
Sept. 8.....	6.97	Apr. 14.....	5.77	Dec. 1.....	6.13

131-057-06DDD3 MP is top of 3-inch downspout 0.80 ft above lsd.

Dec. 5, 1966.....	5.80	May 28.....	1.60	Nov. 28.....	5.60
Feb. 3, 1967.....	6.60	Aug. 28.....	4.80	Mar. 7, 1973.....	6.00
Apr. 3.....	5.80	Nov. 25.....	5.50	June 6.....	4.70
June 5.....	4.10	Feb. 24, 1970.....	5.40	Sept. 7.....	7.00
Aug. 28.....	4.70	Aug. 14.....	5.50	Dec. 5.....	6.10
Nov. 27.....	5.10	Feb. 22, 1971.....	6.70	Mar. 4, 1974.....	6.60
Feb. 26, 1968.....	6.20	May 24.....	5.80	June 6.....	4.40
May 27.....	4.00	Sept. 9.....	5.10	Sept. 4.....	6.90
June 27.....	3.00	Nov. 30.....	4.90	Dec. 10.....	7.50
Aug. 29.....	5.00	Feb. 24, 1972.....	5.80	Feb. 12, 1975.....	7.70
Nov. 25.....	4.70	May 25.....	2.50	June 5.....	5.10
Apr. 21, 1969.....	1.00	Aug. 27.....	4.20		

Depth to water, in feet below or (+) above land surface

131-057-08AAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Sept. 8, 1977.....	12.62	Oct. 12.....	11.79	Dec. 1.....	11.25

131-057-10BBB MP is top of 1¼-inch plastic pipe 1.80 ft above lsd.

Sept. 8, 1977.....	8.29	Oct. 12.....	7.58	Dec. 1.....	7.07
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131-057-17AAA MP is top of 3-inch downspout 2.00 ft above lsd.

Nov. 8, 1966.....	4.50	Aug. 28, 1969.....	3.40	Mar. 7, 1973.....	4.30
Jan. 3, 1967.....	5.20	Nov. 25.....	3.90	June 6.....	4.10
May 4.....	.80	Aug. 14, 1970.....	5.20	Sept. 7.....	5.40
July 5.....	1.50	Nov. 2.....	4.90	Dec. 5.....	4.80
Nov. 27.....	4.20	May 24, 1971.....	3.80	June 6, 1974.....	3.20
Mar. 4, 1968.....	5.90	Sept. 8.....	3.00	Sept. 4.....	7.20
May 27.....	2.30	Nov. 30.....	2.90	Dec. 10.....	6.20
June 27.....	2.20	May 25, 1972.....	.30	June 5, 1975.....	3.90
Aug. 29.....	3.90	Aug. 27.....	3.60		
Nov. 25.....	3.50	Nov. 28.....	4.10		

131-057-20DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Sept. 8, 1977.....	10.39	Oct. 12.....	9.57	Nov. 30.....	8.78
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131-057-21BBB MP is top of 3-inch downspout 2.00 ft above lsd.

Nov. 8, 1966.....	14.50	Nov. 25.....	13.70	Aug. 27.....	12.20
Jan. 3, 1967.....	14.30	Apr. 21, 1969.....	8.40	Nov. 28.....	13.20
Feb. 1.....	15.00	May 28.....	9.00	Mar. 7, 1973.....	13.60
Mar. 6.....	14.80	Aug. 27.....	10.90	June 6.....	13.40
Apr. 3.....	14.30	Nov. 25.....	12.60	Sept. 7.....	14.10
May 4.....	13.20	Feb. 24, 1970.....	13.30	Dec. 5.....	15.00
June 5.....	12.60	Aug. 14.....	12.00	Mar. 4, 1974.....	15.30
July 5.....	12.30	Nov. 2.....	13.50	June 6.....	13.90
Aug. 28.....	12.80	Feb. 22, 1971.....	14.20	Sept. 4.....	14.00
Nov. 27.....	14.00	May 24.....	12.90	Dec. 10.....	15.10
May 27, 1968.....	13.00	Sept. 8.....	13.80	Feb. 13, 1975.....	15.40
June 27.....	12.40	Nov. 30.....	14.50	June 5.....	14.20
Aug. 29.....	12.60	May 25, 1972.....	11.70		



Depth to water, in feet below or (+) above land surface

131-057-27BBB2 MP is top of 3-inch downspout 1.40 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1966.....	13.60	June 27.....	10.50	May 25.....	10.30
Dec. 5.....	13.80	Aug. 29.....	13.40	Aug. 27.....	12.60
Jan. 3, 1967.....	14.30	Nov. 25.....	12.60	Nov. 28.....	13.60
Feb. 1.....	14.50	Apr. 21, 1969.....	10.50	Mar. 7, 1973.....	13.70
Mar. 6.....	14.60	May 28.....	10.20	June 6.....	12.80
Apr. 3.....	14.10	Aug. 27.....	12.50	Sept. 7.....	14.60
May 4.....	10.80	Nov. 25.....	13.60	Dec. 5.....	14.00
June 5.....	11.60	Feb. 24, 1970.....	14.10	Mar. 4, 1974.....	14.80
July 5.....	11.10	Aug. 14.....	14.50	June 6.....	12.00
Aug. 28.....	13.50	May 24, 1971.....	13.50	Sept. 5.....	15.00
Nov. 27.....	13.50	Sept. 8.....	13.50	Dec. 10.....	15.50
Feb. 26, 1968.....	14.70	Nov. 30.....	13.00	Feb. 13, 1975.....	15.70
May 27.....	11.00	Feb. 24, 1972.....	14.10	June 5.....	13.00

131-057-27DDD MP is top of 3-inch downspout 1.10 ft above lsd.

Nov. 8, 1966.....	7.80	Aug. 29.....	7.30	May 25.....	5.30
Dec. 5.....	7.50	Nov. 25.....	7.40	Aug. 27.....	5.90
Jan. 3, 1967.....	7.70	Apr. 21, 1969.....	2.80	Nov. 28.....	7.10
Feb. 2.....	7.70	May 28.....	3.40	Mar. 7, 1973.....	7.00
Mar. 6.....	7.90	Aug. 27.....	5.90	June 6.....	6.60
Apr. 3.....	7.20	Nov. 25.....	7.80	Sept. 7.....	8.40
May 5.....	6.60	Feb. 24, 1970.....	7.40	Dec. 5.....	7.80
June 5.....	5.90	Aug. 14.....	7.10	Mar. 4, 1974.....	8.20
July 5.....	6.10	Nov. 3.....	8.20	June 6.....	6.50
Aug. 28.....	7.10	Feb. 22, 1971.....	8.60	Sept. 5.....	8.40
Nov. 27.....	5.60	May 24.....	7.40	Dec. 10.....	9.00
Feb. 26, 1968.....	7.80	Sept. 8.....	7.40	Feb. 13, 1975.....	9.00
May 27.....	5.60	Nov. 30.....	8.10	June 5.....	6.40
June 27.....	6.00	Feb. 24, 1972.....	8.10		

131-057-29AAA MP is top of 3-inch downspout 2.20 ft above lsd.

Nov. 8, 1966.....	8.40	Aug. 30.....	8.10	Aug. 27.....	6.00
Dec. 5.....	8.30	Nov. 25.....	7.40	Nov. 28.....	7.30
Jan. 3, 1967.....	8.90	Apr. 21, 1969.....	.40	Mar. 7, 1973.....	7.30
Feb. 1.....	9.00	May 28.....	2.30	June 6.....	6.10
Mar. 6.....	7.80	Aug. 27.....	7.70	Sept. 7.....	10.00
Apr. 3.....	8.20	Nov. 25.....	8.50	Dec. 5.....	8.40
May 4.....	4.50	Feb. 24, 1970.....	8.60	Mar. 4, 1974.....	9.00
June 5.....	5.75	Aug. 14.....	8.50	June 6.....	6.00
July 5.....	5.20	Nov. 2.....	9.50	Sept. 4.....	10.60
Aug. 28.....	8.30	Feb. 22, 1971.....	10.00	Dec. 10.....	10.50
Nov. 27.....	7.80	May 24.....	6.90	Feb. 13, 1975.....	10.70
Feb. 26, 1968.....	9.10	Sept. 8.....	6.40	June 5.....	7.10
May 27.....	4.20	Nov. 30.....	6.30		
June 27.....	4.00	May 25, 1972.....	2.30		

Depth to water, in feet below or (+) above land surface

131-057-29DDD MP is top of 3-inch downspout 1.90 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1966.....	11.30	May 28.....	6.70	Aug. 27.....	9.10
Dec. 5.....	11.20	Aug. 27.....	9.30	Nov. 28.....	10.30
Jan. 3, 1967.....	11.50	Nov. 25.....	10.40	Mar. 7, 1973.....	10.60
Mar. 6.....	11.60	Feb. 24, 1970.....	10.60	June 6.....	8.80
May 4.....	9.10	Aug. 14.....	9.80	Sept. 7.....	11.60
July 5.....	8.80	Nov. 3.....	11.20	Dec. 5.....	11.10
Nov. 27.....	10.50	Feb. 22, 1971.....	11.30	Mar. 4, 1974.....	11.30
Feb. 26, 1968.....	10.80	May 24.....	10.10	June 6.....	8.90
May 27.....	8.00	Sept. 8.....	11.00	Sept. 4.....	11.90
Aug. 30.....	9.90	Nov. 30.....	10.80	Dec. 10.....	12.50
Nov. 25.....	10.30	Feb. 24, 1972.....	10.70	Feb. 13, 1975.....	12.30
Apr. 21, 1969.....	6.50	May 25.....	7.30	June 5.....	9.30

131-057-33DDD MP is top of 3-inch downspout 3.00 ft above lsd.

Apr. 3, 1967.....	5.70	Aug. 29.....	3.40	Nov. 28.....	6.20
June 5.....	3.60	Nov. 24.....	5.20	Mar. 7, 1973.....	6.20
Aug. 28.....	6.00	Feb. 24, 1970.....	5.70	June 6.....	5.10
Nov. 27.....	5.40	Aug. 14.....	6.90	Sept. 7.....	7.00
Feb. 26, 1968.....	6.20	Feb. 22, 1971.....	6.90	Dec. 5.....	6.10
May 27.....	3.10	May 24.....	5.20	Mar. 4, 1974.....	7.10
June 27.....	3.30	Sept. 8.....	6.50	June 6.....	4.00
Aug. 30.....	6.10	Nov. 30.....	5.40	Sept. 5.....	7.10
Nov. 25.....	4.50	Feb. 24, 1972.....	6.20	Dec. 10.....	7.20
Apr. 21, 1969.....	1.20	May 25.....	2.70	June 5, 1975.....	5.00
May 28.....	1.40	Aug. 27.....	5.20		

131-058-11AAA MP is top of 3-inch downspout 1.40 ft above lsd.

Dec. 5, 1966.....	9.40	Feb. 26, 1968.....	9.40	May 25, 1972.....	6.60
Jan. 3, 1967.....	10.00	May 27.....	7.50	June 6, 1973.....	8.30
Feb. 3.....	10.00	June 27.....	7.40	Sept. 7.....	11.00
Mar. 6.....	9.60	Aug. 29.....	9.10	Dec. 5.....	10.30
Apr. 3.....	9.90	Nov. 25.....	8.90	June 6, 1974.....	8.30
May 4.....	8.10	Apr. 21, 1969.....	5.10	Sept. 4.....	10.90
June 5.....	7.80	May 28.....	5.60	Dec. 10.....	11.40
July 5.....	7.30	Aug. 28.....	8.00	June 5, 1975.....	9.50
Aug. 28.....	9.10	Nov. 25.....	8.70		
Nov. 27.....	10.60	Aug. 14, 1970.....	9.10		

131-058-24DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Sept. 8, 1977.....	61.51	Oct. 12.....	61.25	Nov. 30.....	60.99
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Depth to water, in feet below or (+) above land surface

131-058-27AAB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 3, 1975.....	23.99	Oct. 5.....	25.70	June 8.....	25.81
Mar. 10, 1976.....	24.25	Nov. 3.....	25.68	July 6.....	26.17
Apr. 13.....	24.00	Dec. 1.....	25.66	Aug. 2.....	26.63
May 4.....	23.75	Jan. 18, 1977.....	25.77	Sept. 8.....	26.57
June 9.....	24.07	Feb. 8.....	25.78	Oct. 12.....	26.39
July 7.....	24.55	Mar. 16.....	25.76	Nov. 30.....	26.13
Aug. 3.....	25.14	Apr. 13.....	25.70		
Sept. 8.....	25.71	May 10.....	25.57		

131-058-34BBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

May 4, 1976.....	+3.50	Oct. 5.....	+1.31	June 8.....	+1.81
June 9.....	+3.00	Oct. 5.....	+2.24	July 6.....	+1.46
July 7.....	+2.41	Nov. 3.....	+2.22	Aug. 2.....	+0.76
Aug. 3.....	+1.84	Apr. 13, 1977.....	+2.22	Sept. 8.....	+0.88
Sept. 8.....	+1.26	May 10.....	+2.30	Oct. 12.....	+1.05

132-053-36BBC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 3, 1975.....	2.35	Oct. 6.....	4.21	June 7.....	3.24
Mar. 10, 1976.....	1.84	Nov. 4.....	3.96	July 6.....	3.73
Apr. 14.....	1.70	Dec. 1.....	3.86	Aug. 3.....	3.82
May 5.....	1.96	Jan. 19, 1977.....	3.81	Sept. 8.....	3.50
June 8.....	2.83	Feb. 9.....	3.64	Oct. 6.....	2.93
July 8.....	3.32	Mar. 16.....	3.02	Dec. 14.....	2.58
Aug. 4.....	3.80	Apr. 13.....	2.79		
Sept. 9.....	4.28	May 11.....	2.92		

132-056-14CDA1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 3, 1975.....	97.30	Oct. 5.....	98.70	May 12.....	97.92
Apr. 13, 1976.....	97.13	Nov. 3.....	98.47	June 8.....	98.43
May 4.....	97.18	Dec. 2.....	97.60	July 6.....	99.01
June 9.....	100.67	Jan. 19, 1977.....	96.73	Aug. 2.....	98.73
July 7.....	99.52	Feb. 8.....	96.43	Sept. 7.....	97.73
Aug. 3.....	102.65	Mar. 17.....	96.72	Sept. 29.....	97.76
Sept. 8.....	99.66	Apr. 14.....	97.32		

132-056-26DAD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Sept. 7, 1977.....	110.99	Sept. 29.....	111.08	Dec. 14.....	110.15
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Depth to water, in feet below or (+) above land surface

132-057-06DDD MP is top of 3-inch downspout 1.60 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1966.....	9.40	Aug. 29.....	6.50	Feb. 24, 1972.....	8.60
Dec. 5.....	9.00	Nov. 25.....	5.00	May 25.....	1.40
Jan. 3, 1967.....	10.00	Apr. 21, 1969.....	.40	Aug. 27.....	5.80
Mar. 6.....	10.70	May 28.....	2.80	Nov. 28.....	7.30
Apr. 3.....	7.00	Aug. 28.....	6.00	Mar. 7, 1973.....	6.30
May 4.....	2.20	Nov. 25.....	7.10	June 6.....	5.90
June 5.....	4.10	Feb. 24, 1970.....	9.40	Dec. 5.....	10.00
July 5.....	3.60	Aug. 14.....	7.20	Mar. 4, 1974.....	11.00
Aug. 28.....	7.30	Nov. 2.....	8.90	June 6.....	4.60
Nov. 27.....	8.90	Feb. 22, 1971.....	10.00	Sept. 4.....	9.70
Feb. 26, 1968.....	9.90	May 24.....	7.30	Dec. 10.....	11.60
May 27.....	2.90	Sept. 8.....	8.70	Feb. 12, 1975.....	12.40
June 27.....	3.10	Nov. 30.....	6.60	June 5.....	4.30

132-057-07BBB2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 3, 1975.....	7.79	Oct. 8.....	6.80	Dec. 2.....	9.51
June 24.....	6.83	Oct. 23.....	6.92	Jan. 19, 1977.....	9.73
July 8.....	5.35	Nov. 6.....	6.76	Feb. 10.....	9.83
July 14.....	5.40	Nov. 13.....	6.84	Mar. 17.....	9.37
July 22.....	5.70	Dec. 4.....	6.88	Apr. 14.....	8.87
July 28.....	5.60	Mar. 11, 1976.....	7.00	May 12.....	7.86
Aug. 4.....	5.85	Apr. 13.....	6.41	June 9.....	7.47
Aug. 20.....	6.10	May 4.....	6.07	June 30.....	7.49
Aug. 27.....	6.23	June 9.....	7.01	Aug. 4.....	8.16
Sept. 4.....	6.38	July 8.....	7.48	Sept. 7.....	8.56
Sept. 10.....	6.46	Aug. 3.....	8.12	Oct. 7.....	8.39
Sept. 16.....	6.65	Sept. 9.....	8.88	Dec. 1.....	8.05
Sept. 23.....	6.60	Oct. 7.....	9.18		
Sept. 30.....	6.71	Nov. 3.....	9.36		

132-057-19DDD MP is top of 3-inch downspout 2.00 ft above lsd.

Nov. 8, 1966.....	4.50	Aug. 29.....	4.40	May 25.....	1.90
Dec. 5.....	4.80	Nov. 25.....	3.20	Aug. 27.....	4.10
Jan. 3, 1967.....	5.40	Apr. 21, 1969.....	1.10	Nov. 28.....	4.50
Feb. 3.....	5.50	Aug. 28.....	3.80	Mar. 7, 1973.....	4.40
Apr. 3.....	4.90	Nov. 25.....	4.40	June 6.....	4.10
May 4.....	2.00	Feb. 24, 1970.....	4.40	Sept. 7.....	5.90
June 5.....	3.00	Aug. 14.....	6.30	Dec. 5.....	5.20
July 5.....	2.20	Nov. 2.....	5.20	Mar. 4, 1974.....	5.40
Aug. 28.....	4.90	Feb. 22, 1971.....	6.00	June 6.....	2.80
Nov. 27.....	4.60	May 24.....	3.90	Sept. 4.....	6.20
Feb. 26, 1968.....	5.80	Sept. 8.....	4.60	Dec. 10.....	6.30
May 27.....	2.30	Nov. 30.....	4.20	Feb. 12, 1975.....	6.60
June 27.....	2.00	Feb. 22, 1972.....	4.60	June 5.....	4.00

Depth to water, in feet below or (+) above land surface

132-057-29DDD MP is top of 3-inch downspout 1.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1966.....	4.80	Aug. 29.....	3.70	Nov. 28.....	3.70
Jan. 3, 1967.....	5.50	Nov. 25.....	3.20	Mar. 6, 1973.....	4.10
Mar. 7.....	5.80	Nov. 25, 1969.....	3.20	June 6.....	3.60
May 5.....	2.60	Aug. 14, 1970.....	4.00	Sept. 7.....	5.30
June 5.....	3.00	Nov. 2.....	4.40	Dec. 5.....	4.90
July 5.....	1.70	Feb. 22, 1971.....	4.50	June 6, 1974.....	3.20
Aug. 28.....	3.50	May 24.....	4.00	Sept. 4.....	5.80
Nov. 27.....	4.20	Sept. 8.....	3.50	Dec. 10.....	6.20
Feb. 26, 1968.....	6.50	Nov. 30.....	3.70	Feb. 12, 1975.....	6.60
May 27.....	2.10	May 25, 1972.....	1.20	June 5.....	3.90
June 27.....	1.90	Aug. 27.....	3.20		

132-058-01BBC1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 3, 1975.....	5.06	Sept. 23.....	4.10	Sept. 9.....	6.63
June 24.....	4.18	Sept. 30.....	4.08	Oct. 7.....	6.95
July 8.....	2.55	Oct. 8.....	4.05	Nov. 3.....	7.04
July 14.....	3.65	Oct. 23.....	4.18	Dec. 2.....	7.13
July 22.....	3.75	Nov. 6.....	4.03	May 12, 1977.....	6.10
July 28.....	3.60	Dec. 4.....	4.05	June 9.....	6.02
Aug. 4.....	3.75	Apr. 13, 1976.....	4.04	June 30.....	6.83
Aug. 20.....	3.80	May 4.....	3.69	Aug. 4.....	8.86
Sept. 4.....	3.95	June 9.....	4.22	Sept. 7.....	8.63
Sept. 10.....	3.96	July 8.....	4.84		
Sept. 17.....	4.00	Aug. 3.....	5.74		

132-058-01BBC2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 3, 1975.....	4.91	Sept. 23.....	4.84	Sept. 9.....	9.02
June 24.....	3.46	Sept. 30.....	4.91	Oct. 7.....	8.92
July 8.....	3.10	Oct. 8.....	5.11	Nov. 3.....	8.75
July 14.....	3.35	Oct. 23.....	5.04	Dec. 2.....	8.64
July 22.....	3.80	Nov. 6.....	4.69	May 12, 1977.....	6.42
July 28.....	3.70	Dec. 4.....	5.14	June 9.....	6.86
Aug. 4.....	4.00	Apr. 13, 1976.....	3.89	June 30.....	7.17
Aug. 20.....	4.20	May 4.....	3.83	Aug. 4.....	8.89
Sept. 4.....	4.93	June 9.....	5.75	Sept. 7.....	9.56
Sept. 10.....	4.93	July 8.....	7.04		
Sept. 17.....	5.05	Aug. 3.....	8.28		

132-058-01CCC2 MP is top of 1¼-inch downspout 2.00 ft above lsd.

June 3, 1975.....	14.40	Sept. 30.....	14.38	Nov. 3.....	18.00
June 24.....	12.96	Oct. 8.....	14.44	Dec. 2.....	17.90
July 8.....	11.85	Oct. 23.....	14.39	Jan. 19, 1977.....	17.79
July 14.....	12.05	Nov. 6.....	14.13	Feb. 10.....	17.77
July 22.....	12.62	Nov. 13.....	14.15	Mar. 17.....	17.35
July 28.....	12.85	Dec. 4.....	14.25	Apr. 14.....	16.89
Aug. 4.....	13.40	Mar. 11, 1976.....	14.34	May 12.....	16.26
Aug. 14.....	13.98	Apr. 13.....	13.55	June 9.....	16.30
Aug. 20.....	14.15	May 4.....	13.18	June 30.....	16.56
Aug. 27.....	14.32	June 9.....	14.48	Aug. 4.....	18.06
Sept. 4.....	14.39	July 8.....	15.62	Sept. 7.....	17.98
Sept. 10.....	14.44	Aug. 3.....	16.95	Oct. 7.....	18.72
Sept. 17.....	14.53	Sept. 9.....	18.12	Dec. 1.....	17.69
Sept. 23.....	14.35	Oct. 7.....	18.13		

Depth to water, in feet below or (+) above land surface

132-058-01DDD MP is top of 3-inch downspout 1.80 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1966.....	12.10	Nov. 25.....	11.70	Aug. 27.....	11.30
Dec. 5.....	12.00	Apr. 21, 1969.....	9.70	Nov. 28.....	12.20
Jan. 3, 1967.....	12.50	May 28.....	9.20	Mar. 7, 1973.....	12.50
Mar. 6.....	12.50	Aug. 28.....	10.90	June 6.....	11.40
May 5.....	10.10	Nov. 25.....	12.20	Sept. 7.....	13.10
June 5.....	10.90	Aug. 14, 1970.....	12.00	Dec. 5.....	13.30
July 5.....	10.70	Nov. 2.....	13.10	Mar. 4, 1974.....	13.60
Aug. 28.....	11.70	Feb. 22, 1971.....	13.00	June 6.....	12.00
Nov. 27.....	12.20	May 24.....	12.70	Sept. 4.....	13.20
Feb. 26, 1968.....	12.70	Sept. 8.....	12.90	Dec. 10.....	13.90
May 27.....	10.60	Nov. 30.....	12.20	Feb. 12, 1975.....	14.10
June 27.....	10.30	Feb. 24, 1972.....	12.50	June 5.....	12.50
Aug. 29.....	11.50	May 25.....	9.80		

132-058-02CCC MP is top of 1¼-inch plastic pipe 2.25 ft above lsd.

June 3, 1975.....	7.62	Sept. 30.....	7.38	Nov. 3.....	10.81
June 24.....	6.56	Oct. 8.....	7.55	Dec. 2.....	10.88
July 8.....	6.25	Oct. 23.....	7.58	Jan. 19, 1977.....	11.08
July 14.....	5.95	Nov. 6.....	7.35	Feb. 10.....	11.15
July 22.....	6.34	Nov. 13.....	7.45	Mar. 17.....	10.55
July 28.....	6.30	Dec. 4.....	7.71	Apr. 14.....	9.88
Aug. 4.....	6.60	Mar. 11, 1976.....	7.91	May 12.....	9.33
Aug. 14.....	6.94	Apr. 13.....	6.82	June 8.....	10.31
Aug. 20.....	6.80	May 4.....	6.52	June 30.....	10.27
Aug. 27.....	7.14	June 9.....	7.95	Aug. 4.....	11.98
Sept. 4.....	7.30	July 8.....	8.71	Sept. 7.....	11.76
Sept. 10.....	7.35	Aug. 3.....	9.76	Oct. 7.....	11.27
Sept. 16.....	7.42	Sept. 9.....	10.52	Dec. 1.....	10.43
Sept. 23.....	7.26	Oct. 7.....	10.76		

132-058-02DDD MP is top of 3-inch downspout 1.60 ft above lsd.

Nov. 8, 1966.....	11.80	Apr. 21, 1969.....	9.60	Aug. 27.....	10.70
Jan. 3, 1967.....	12.70	May 28.....	9.80	Nov. 28.....	11.80
Mar. 6.....	12.60	Aug. 28.....	11.40	Mar. 7, 1973.....	12.40
May 5.....	10.80	Nov. 25.....	12.50	June 6.....	11.50
June 5.....	11.10	Feb. 24, 1970.....	12.80	Sept. 7.....	13.00
July 5.....	10.40	Aug. 14.....	12.20	Dec. 5.....	13.30
Aug. 28.....	11.90	Nov. 2.....	12.90	Mar. 4, 1974.....	13.70
Nov. 27.....	12.30	Feb. 22, 1971.....	13.70	June 6.....	11.60
Feb. 26, 1968.....	12.90	May 24.....	12.70	Sept. 4.....	13.30
May 27.....	12.10	Sept. 8.....	12.00	Dec. 10.....	13.90
June 27.....	10.60	Nov. 30.....	11.70	Feb. 12, 1975.....	14.10
Aug. 29.....	11.60	Feb. 24, 1972.....	12.20	June 5.....	12.20
Nov. 25.....	11.50	May 25.....	10.80		

132-058-03AAA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	6.03	Apr. 21, 1977.....	7.30	Sept. 9.....	8.03
Aug. 3.....	7.14	May 10.....	6.78	Oct. 7.....	8.20
Sept. 9.....	8.03	June 8.....	7.06	Nov. 4.....	8.24
Oct. 7.....	8.20	July 8.....	6.03		
Nov. 4.....	8.24	Aug. 3.....	7.14		

Depth to water, in feet below or (+) above land surface

132-058-03AAA3 MP is top of 3-inch downspout 1.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1966.....	5.40	June 27.....	4.40	Aug. 27.....	5.20
Dec. 5.....	5.70	Aug. 29.....	5.80	Nov. 28.....	5.60
Jan. 3, 1967.....	6.50	Nov. 25.....	5.50	Mar. 7, 1973.....	5.80
Apr. 3.....	6.30	May 28, 1969.....	3.90	June 6.....	5.30
May 5.....	4.20	Aug. 28.....	5.80	Sept. 7.....	7.20
June 5.....	4.50	Nov. 25.....	6.30	Dec. 5.....	6.60
July 5.....	4.30	Aug. 14, 1970.....	6.30	June 6, 1974.....	4.80
Aug. 28.....	6.20	Nov. 2.....	6.70	Sept. 4.....	7.10
Nov. 27.....	6.10	May 24, 1971.....	5.80	Dec. 9.....	7.40
Feb. 26, 1968.....	6.50	Sept. 8.....	4.90	Feb. 12, 1975.....	7.50
Mar. 8.....	7.00	Nov. 30.....	4.50	June 5.....	5.50
May 27.....	4.50	May 25, 1972.....	2.60		

132-058-13BBB2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 3, 1975.....	6.48	Sept. 23.....	5.86	Sept. 9.....	10.27
June 24.....	5.42	Sept. 30.....	5.84	Oct. 5.....	9.54
July 8.....	3.70	Oct. 8.....	6.40	Nov. 3.....	9.28
July 14.....	4.70	Oct. 23.....	5.90	Dec. 2.....	9.14
July 22.....	5.95	Nov. 6.....	5.67	Feb. 8, 1977.....	9.12
July 28.....	6.35	Dec. 4.....	5.86	Mar. 17.....	8.82
Aug. 4.....	6.65	Mar. 11, 1976.....	6.11	Apr. 14.....	8.48
Aug. 20.....	6.50	Apr. 13.....	5.42	May 12.....	7.89
Aug. 27.....	6.28	May 4.....	5.02	June 9.....	7.72
Sept. 4.....	6.21	June 9.....	7.87	June 30.....	9.32
Sept. 10.....	6.08	July 8.....	8.91	Aug. 4.....	12.38
Sept. 17.....	6.02	Aug. 3.....	10.37	Sept. 7.....	10.67

132-058-13BBB3 MP is top of 3-inch downspout 0.40 ft above lsd.

Nov. 8, 1966.....	4.60	Apr. 21, 1969.....	0.50	Aug. 27.....	4.00
Jan. 3, 1967.....	5.50	May 28.....	2.00	Nov. 28.....	4.70
Mar. 3.....	5.60	Aug. 28.....	4.30	Mar. 7, 1973.....	5.10
May 4.....	3.20	Nov. 25.....	4.70	June 6.....	4.40
June 5.....	4.10	Feb. 24, 1970.....	5.40	Sept. 7.....	5.70
July 5.....	3.20	Aug. 14.....	5.20	Dec. 5.....	5.70
Aug. 28.....	4.80	Nov. 2.....	5.50	Mar. 4, 1974.....	6.20
Nov. 27.....	5.00	Feb. 22, 1971.....	6.30	June 6.....	4.00
Mar. 8, 1968.....	5.70	May 24.....	5.00	Sept. 4.....	6.20
May 27.....	3.70	Sept. 8.....	4.70	Dec. 10.....	6.50
June 27.....	3.30	Nov. 30.....	4.50	Feb. 12, 1975.....	6.80
Aug. 29.....	4.60	Feb. 23, 1972.....	5.20	June 5.....	4.90
Nov. 25.....	4.30	May 25.....	2.50		

132-058-13CCC1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	13.05	Jan. 19, 1977.....	14.82	June 30.....	21.31
Aug. 3.....	14.96	Feb. 8.....	14.91	Aug. 4.....	22.53
Sept. 9.....	14.35	Mar. 17.....	14.85	Sept. 7.....	16.00
Oct. 5.....	14.53	Apr. 14.....	14.44	Oct. 7.....	15.25
Nov. 3.....	14.61	May 12.....	13.82	Dec. 1.....	14.73
Dec. 2.....	14.64	June 9.....	17.06		

Depth to water, in feet below or (+) above land surface

132-058-13CCC2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
July 8, 1976.....	13.07	Jan. 19, 1977.....	15.12	June 30.....	14.23
Aug. 3.....	13.75	Feb. 8.....	15.21	Aug. 4.....	14.38
Sept. 9.....	14.49	Mar. 17.....	15.16	Sept. 7.....	14.63
Oct. 5.....	14.63	Apr. 14.....	14.97	Oct. 7.....	14.81
Nov. 3.....	14.79	May 12.....	14.69	Dec. 1.....	14.49
Dec. 2.....	14.93	June 9.....	14.40		

132-058-14DDD MP is top of 3-inch downspout 1.00 ft above lsd.

Nov. 8, 1966.....	12.80	May 28.....	10.40	Nov. 28.....	12.40
Jan. 3, 1967.....	13.00	Aug. 28.....	11.00	Mar. 7, 1973.....	12.90
May 4.....	13.70	Nov. 25.....	11.70	June 6.....	12.50
June 5.....	12.00	Feb. 24, 1970.....	12.60	Sept. 7.....	13.40
July 5.....	11.80	Aug. 14.....	12.40	Dec. 5.....	13.70
Aug. 28.....	12.10	Nov. 2.....	13.20	Mar. 4, 1974.....	13.90
Nov. 27.....	12.20	Feb. 22, 1971.....	13.70	June 6.....	13.00
Feb. 26, 1968.....	12.80	May 24.....	13.70	Sept. 4.....	13.50
May 27.....	12.40	Sept. 8.....	13.30	Dec. 10.....	14.10
June 27.....	11.80	Nov. 30.....	13.20	Feb. 12, 1975.....	14.30
Aug. 29.....	12.10	Feb. 23, 1972.....	13.00	June 5.....	13.50
Nov. 25.....	12.00	May 25.....	10.80		
Apr. 21, 1969.....	11.00	Aug. 27.....	11.70		

132-058-16BBA1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 3, 1975.....	8.38	Sept. 30.....	10.21	Nov. 3.....	12.55
June 24.....	7.91	Oct. 8.....	10.30	Dec. 2.....	12.65
July 7.....	6.18	Oct. 23.....	10.49	Feb. 10, 1977.....	12.85
July 14.....	6.75	Nov. 6.....	10.53	Mar. 17.....	12.25
July 22.....	7.55	Nov. 13.....	10.62	Apr. 14.....	11.22
July 28.....	7.75	Dec. 4.....	10.64	May 12.....	11.31
Aug. 4.....	8.35	Mar. 11, 1976.....	10.65	June 9.....	11.50
Aug. 14.....	8.94	Apr. 13.....	10.00	June 30.....	11.73
Aug. 20.....	9.10	May 4.....	9.76	Aug. 4.....	12.40
Aug. 27.....	9.24	June 9.....	10.25	Sept. 7.....	13.83
Sept. 4.....	9.49	July 8.....	10.90	Oct. 13.....	12.97
Sept. 10.....	9.64	Aug. 4.....	11.58	Dec. 1.....	12.58
Sept. 16.....	9.98	Sept. 9.....	12.15		
Sept. 23.....	9.94	Oct. 7.....	12.40		

132-058-16BBA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 3, 1975.....	11.98	Sept. 30.....	11.54	Nov. 3.....	12.72
June 24.....	11.78	Oct. 8.....	11.43	Dec. 2.....	12.88
July 7.....	11.50	Oct. 23.....	11.43	Feb. 10, 1977.....	12.97
July 14.....	8.50	Nov. 6.....	11.33	Mar. 17.....	12.75
July 22.....	11.55	Nov. 13.....	11.42	Apr. 14.....	12.78
July 28.....	11.50	Dec. 4.....	11.27	May 12.....	12.75
Aug. 4.....	11.60	Mar. 11, 1976.....	11.24	June 9.....	12.74
Aug. 14.....	11.64	Apr. 13.....	11.23	June 30.....	12.82
Aug. 20.....	11.55	May 4.....	11.15	Aug. 3.....	13.37
Aug. 27.....	11.53	June 9.....	11.26	Sept. 7.....	12.95
Sept. 4.....	11.53	July 8.....	11.48	Oct. 13.....	13.83
Sept. 10.....	11.43	Aug. 4.....	11.81	Dec. 1.....	13.61
Sept. 16.....	11.51	Sept. 9.....	12.29		
Sept. 23.....	11.45	Oct. 7.....	12.55		



Depth to water, in feet below or (+) above land surface

132-058-21AAA3 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
July 8, 1976.....	38.54	Jan. 19, 1977.....	38.95	June 30.....	38.87
Aug. 4.....	38.60	Feb. 10.....	39.00	Aug. 4.....	38.84
Sept. 9.....	38.77	Mar. 17.....	38.79	Sept. 7.....	38.83
Oct. 7.....	38.85	Apr. 14.....	38.71	Oct. 13.....	38.92
Nov. 3.....	38.91	May 12.....	38.80	Dec. 1.....	38.99
Dec. 2.....	38.94	June 9.....	38.84		

132-058-21BBB1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 3, 1975.....	19.77	Sept. 30.....	19.42	Nov. 3.....	20.66
June 24.....	19.58	Oct. 8.....	19.33	Dec. 2.....	20.84
July 7.....	21.40	Oct. 23.....	19.35	Jan. 19, 1977.....	20.87
July 14.....	21.40	Nov. 6.....	19.25	Feb. 10.....	20.88
July 22.....	19.40	Nov. 13.....	19.32	Mar. 17.....	20.64
July 28.....	18.35	Dec. 4.....	19.26	Apr. 14.....	20.68
Aug. 4.....	19.40	Mar. 11, 1976.....	19.19	May 12.....	20.69
Aug. 14.....	19.44	Apr. 13.....	19.23	June 9.....	20.75
Aug. 20.....	19.40	May 4.....	19.08	June 30.....	20.80
Aug. 27.....	19.43	June 9.....	19.25	Aug. 4.....	21.18
Sept. 3.....	19.44	July 8.....	19.46	Sept. 7.....	21.68
Sept. 10.....	19.43	Aug. 4.....	19.79	Oct. 7.....	21.67
Sept. 16.....	19.43	Sept. 9.....	20.20	Dec. 1.....	21.45
Sept. 23.....	19.43	Oct. 7.....	20.45		

132-058-21BBB2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 3, 1975.....	9.48	Sept. 30.....	10.00	Nov. 3.....	12.70
June 24.....	8.08	Oct. 8.....	9.87	Dec. 2.....	12.77
July 7.....	6.50	Oct. 23.....	10.02	Jan. 19, 1977.....	12.94
July 14.....	6.95	Nov. 6.....	9.80	Feb. 10.....	13.05
July 22.....	7.70	Nov. 13.....	10.05	Mar. 17.....	12.72
July 28.....	7.80	Dec. 4.....	9.88	Apr. 14.....	12.14
Aug. 4.....	8.45	Mar. 11, 1976.....	10.30	May 12.....	11.89
Aug. 14.....	8.95	Apr. 13.....	9.53	June 9.....	12.45
Aug. 20.....	9.15	May 4.....	9.15	June 30.....	13.66
Aug. 27.....	9.42	June 9.....	9.80	Aug. 4.....	15.23
Sept. 3.....	9.64	July 8.....	11.10	Sept. 7.....	15.93
Sept. 10.....	9.71	Aug. 4.....	11.94	Oct. 7.....	15.53
Sept. 16.....	9.75	Sept. 9.....	12.40	Dec. 1.....	14.47
Sept. 23.....	10.03	Oct. 7.....	12.61		

132-058-22DDD MP is top of 3-inch downspout 1.00 ft above lsd.

Nov. 8, 1966.....	7.00	Apr. 21, 1969.....	3.50	Aug. 27.....	6.00
Jan. 3, 1967.....	7.60	May 28.....	5.00	Mar. 9, 1973.....	6.00
Apr. 3.....	6.90	Aug. 28.....	6.10	June 6.....	7.30
May 5.....	5.10	Nov. 25.....	7.90	Sept. 7.....	9.60
June 5.....	6.10	Feb. 24, 1970.....	8.40	Dec. 5.....	9.20
July 5.....	5.50	Aug. 14.....	8.70	Mar. 4, 1974.....	8.30
Aug. 28.....	6.70	Nov. 2.....	10.50	June 6.....	6.60
Nov. 27.....	6.80	Feb. 2, 1971.....	10.60	Sept. 4.....	10.00
Feb. 26, 1968.....	7.10	May 24.....	8.00	Dec. 10.....	10.70
May 27.....	5.40	Sept. 8.....	6.90	Feb. 12, 1975.....	11.00
June 27.....	5.50	Nov. 30.....	6.90	June 5.....	7.20
Aug. 29.....	7.10	Feb. 23, 1972.....	7.80		
Nov. 25.....	6.90	May 25.....	5.50		

Depth to water, in feet below or (+) above land surface

132-058-24AAA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
June 5, 1975.....	19.13	Sept. 23.....	17.06	Sept. 9.....	19.73
June 24.....	18.85	Sept. 30.....	17.14	Oct. 5.....	19.13
July 8.....	17.00	Oct. 8.....	17.21	Nov. 3.....	19.47
July 14.....	16.40	Oct. 23.....	17.41	Dec. 2.....	20.58
July 22.....	16.20	Nov. 6.....	17.44	Jan. 19, 1977.....	20.84
July 28.....	16.10	Nov. 13.....	17.54	Mar. 17.....	20.99
Aug. 4.....	16.25	Dec. 4.....	17.60	Apr. 14.....	20.53
Aug. 14.....	16.45	Mar. 11, 1976.....	18.34	May 12.....	19.91
Aug. 20.....	16.55	Apr. 13.....	17.94	June 9.....	19.27
Aug. 27.....	16.63	May 4.....	17.50	June 30.....	19.11
Sept. 4.....	16.78	June 9.....	17.79	Aug. 4.....	19.60
Sept. 10.....	16.86	July 7.....	18.22	Sept. 7.....	20.05
Sept. 17.....	16.97	Aug. 3.....	18.83	Oct. 7.....	20.01

132-058-24DDD1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 7, 1976.....	10.90	Jan. 19, 1977.....	13.06	June 30.....	12.00
Aug. 3.....	11.80	Feb. 8.....	13.19	Aug. 4.....	12.98
Sept. 9.....	12.49	Mar. 17.....	12.86	Sept. 7.....	12.78
Oct. 5.....	12.78	Apr. 14.....	12.07	Oct. 7.....	12.33
Nov. 3.....	12.82	May 12.....	11.52	Dec. 1.....	11.66
Dec. 2.....	12.86	June 9.....	11.56		

132-058-24DDD2 MP is top of 3-inch downspout 2.00 ft above lsd.

Nov. 8, 1966.....	10.80	Apr. 21, 1969.....	6.70	Aug. 27.....	10.10
Jan. 3, 1967.....	11.50	May 28.....	7.00	Nov. 28.....	10.40
Mar. 6.....	11.70	Aug. 28.....	10.00	Mar. 7, 1973.....	10.60
May 5.....	8.50	Nov. 25.....	10.30	June 6.....	10.00
June 5.....	9.60	Feb. 24, 1970.....	10.60	Sept. 7.....	12.50
July 5.....	9.10	Aug. 14.....	11.70	Dec. 5.....	11.30
Aug. 28.....	11.20	Nov. 2.....	12.20	Mar. 4, 1974.....	12.00
Nov. 27.....	10.80	Feb. 22, 1971.....	12.40	June 6.....	9.40
Feb. 26, 1968.....	11.50	May 24.....	10.70	Sept. 4.....	12.50
May 27.....	9.00	Sept. 8.....	11.30	Dec. 10.....	12.50
June 27.....	8.80	Nov. 30.....	10.90	Feb. 12, 1975.....	12.80
Aug. 29.....	11.00	Feb. 23, 1972.....	11.40	June 5.....	10.30
Nov. 25.....	10.10	May 25.....	9.20		

132-058-26AAA1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 5, 1975.....	4.72	Sept. 30.....	3.75	Nov. 3.....	6.73
June 24.....	3.65	Oct. 8.....	3.84	Dec. 2.....	6.89
July 8.....	2.50	Oct. 23.....	3.94	Jan. 19, 1977.....	7.14
July 14.....	2.65	Nov. 6.....	3.80	Feb. 8.....	7.23
July 22.....	3.00	Nov. 13.....	3.90	Mar. 17.....	6.83
July 28.....	2.95	Dec. 3.....	4.03	Apr. 14.....	6.13
Aug. 4.....	3.15	Mar. 11, 1976.....	4.06	May 12.....	7.95
Aug. 14.....	3.30	Apr. 13.....	3.23	June 9.....	8.45
Aug. 20.....	3.30	May 4.....	3.08	June 30.....	13.01
Aug. 27.....	3.49	June 9.....	6.47	Aug. 4.....	12.60
Sept. 4.....	3.55	July 7.....	6.12	Sept. 7.....	7.30
Sept. 10.....	3.60	Aug. 3.....	9.07	Oct. 7.....	6.62
Sept. 17.....	3.71	Sept. 9.....	6.50	Dec. 1.....	6.02
Sept. 23.....	3.60	Oct. 5.....	7.02		

Depth to water, in feet below or (+) above land surface

132-058-26AAA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
June 5, 1975.....	3.41	Sept. 30.....	4.03	Nov. 3.....	6.25
June 24.....	4.29	Oct. 8.....	4.02	Dec. 2.....	6.40
July 8.....	3.25	Oct. 23.....	4.10	Jan. 19, 1977.....	6.73
July 14.....	3.45	Nov. 6.....	3.96	Feb. 8.....	6.86
July 22.....	3.70	Nov. 13.....	4.09	Mar. 17.....	6.53
July 28.....	3.65	Dec. 3.....	4.16	Apr. 14.....	6.39
Aug. 4.....	3.80	Mar. 11, 1976.....	4.30	May 12.....	5.88
Aug. 14.....	3.96	Apr. 13.....	3.54	June 9.....	5.63
Aug. 20.....	3.80	May 4.....	3.45	June 30.....	5.81
Aug. 27.....	3.83	June 9.....	4.14	Aug. 4.....	6.46
Sept. 4.....	3.90	July 7.....	4.64	Sept. 7.....	6.87
Sept. 10.....	3.86	Aug. 3.....	5.25	Oct. 7.....	6.54
Sept. 17.....	4.01	Sept. 9.....	5.83	Dec. 1.....	6.07
Sept. 23.....	3.92	Oct. 5.....	6.08		

132-058-35AAA1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 7, 1976.....	18.44	Jan. 19, 1977.....	20.52	June 30.....	23.34
Aug. 3.....	21.07	Feb. 8.....	20.62	Aug. 4.....	25.00
Sept. 9.....	19.93	Mar. 17.....	20.20	Sept. 7.....	20.60
Oct. 5.....	20.36	Apr. 14.....	19.39	Oct. 7.....	19.91
Nov. 3.....	20.15	May 12.....	20.04		
Dec. 2.....	20.30	June 9.....	20.96		

132-058-35AAA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 7, 1976.....	17.60	Jan. 19, 1977.....	20.42	June 30.....	19.57
Aug. 3.....	18.02	Feb. 8.....	20.57	Aug. 4.....	20.07
Sept. 9.....	18.89	Mar. 17.....	20.69	Sept. 7.....	20.50
Oct. 5.....	19.43	Apr. 14.....	20.33	Oct. 7.....	20.53
Nov. 3.....	19.82	May 12.....	19.85		
Dec. 2.....	20.04	June 9.....	19.54		

132-058-36CCC MP is top of 3-inch downspout 2.70 ft above lsd.

Nov. 8, 1966.....	8.70	Nov. 25.....	8.00	Aug. 27.....	7.20
Jan. 3, 1967.....	9.00	Apr. 21, 1969.....	4.60	Nov. 28.....	8.50
Apr. 3.....	8.70	Aug. 28.....	6.90	Mar. 7, 1973.....	8.60
May 4.....	4.40	Nov. 25.....	7.50	June 6.....	7.40
June 5.....	6.80	Feb. 24, 1970.....	8.80	Sept. 7.....	9.60
July 5.....	6.10	Aug. 14.....	8.50	Dec. 5.....	9.20
Aug. 28.....	8.50	Nov. 2.....	9.60	Mar. 4, 1974.....	9.60
Nov. 27.....	8.70	Feb. 22, 1971.....	9.80	June 6.....	6.70
Feb. 26, 1968.....	9.10	May 24.....	9.00	Sept. 4.....	9.80
May 27.....	7.00	Sept. 8.....	8.40	Dec. 10.....	10.30
June 27.....	5.80	Nov. 30.....	8.20	Feb. 12, 1975.....	10.40
Aug. 29.....	8.30	May 25, 1972.....	5.20	June 5.....	8.00

Depth to water, in feet below or (+) above land surface

133-053-11BBB2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
May 13, 1975.....	5.79	June 9.....	7.36	Apr. 13.....	9.75
June 25.....	4.40	July 8.....	8.40	May 11.....	9.24
July 16.....	4.36	Aug. 4.....	9.26	June 7.....	8.66
Sept. 10.....	5.99	Sept. 9.....	10.01	July 6.....	9.20
Oct. 8.....	6.81	Oct. 6.....	10.24	Aug. 3.....	9.69
Nov. 11.....	6.41	Nov. 4.....	10.43	Sept. 8.....	9.93
Dec. 3.....	6.76	Dec. 1.....	10.55	Oct. 6.....	9.24
Mar. 10, 1976.....	6.95	Jan. 19, 1977.....	10.78	Dec. 14.....	8.43
Apr. 14.....	5.28	Feb. 9.....	10.86		
May 5.....	5.42	Mar. 16.....	10.34		

133-054-09BBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Apr. 13, 1977.....	+0.71	July 7.....	0.87	Oct. 6.....	0.89
May 11.....	+45	Aug. 2.....	1.92		
June 8.....	+19	Sept. 8.....	1.40		

133-054-16DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Apr. 13, 1977.....	12.80	July 7.....	12.16	Oct. 6.....	13.42
May 11.....	12.19	Aug. 2.....	12.74	Dec. 15.....	12.45
June 8.....	11.97	Sept. 8.....	13.35		

133-054-32AAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Apr. 13, 1977.....	7.59	July 7.....	25.51	Oct. 6.....	8.59
May 11.....	13.13	Aug. 2.....	17.32	Dec. 15.....	8.18
June 8.....	7.08	Sept. 8.....	8.71		

133-056-05DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

May 10, 1977.....	35.68	Aug. 2.....	36.00	Sept. 29.....	35.99
June 8.....	35.74	Sept. 8.....	36.03		

133-057-14DCC MP is top of 1¼-inch plastic pipe 2.30 ft above lsd.

Sept. 8, 1977.....	17.60	Sept. 29.....	16.47	Dec. 1.....	15.79
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133-057-14DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Sept. 8, 1977.....	27.18	Sept. 29.....	26.57	Dec. 1.....	26.34
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Depth to water, in feet below or (+) above land surface

133-057-30CCD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
July 8, 1976.....	8.27	Nov. 4.....	8.12	June 30.....	10.00
Aug. 4.....	8.26	Apr. 14, 1977.....	6.96	Sept. 7.....	11.70
Sept. 9.....	8.32	May 10.....	5.90		
Oct. 7.....	8.26	June 8.....	7.23		

133-058-11DCC2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	8.16	Nov. 4.....	10.36	June 30.....	10.11
Aug. 4.....	9.29	Dec. 2.....	10.32	Aug. 4.....	12.20
Sept. 9.....	10.37	May 10, 1977.....	9.31	Sept. 7.....	12.55
Oct. 6.....	10.49	June 8.....	9.51		

133-058-12AAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Nov. 13, 1975.....	9.50	Aug. 4.....	10.37	May 10.....	11.39
Dec. 4.....	9.56	Sept. 9.....	11.15	June 8.....	11.30
Mar. 23, 1976.....	9.70	Oct. 6.....	11.52	June 30.....	11.31
Apr. 15.....	9.47	Nov. 4.....	11.77	Aug. 4.....	11.74
May 5.....	9.36	Dec. 2.....	11.96	Sept. 7.....	11.99
June 9.....	9.59	Mar. 17, 1977.....	12.13	Oct. 7.....	11.81
July 8.....	9.78	Apr. 14.....	11.72	Dec. 1.....	11.47

133-058-12BBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Nov. 13, 1975.....	18.68	Aug. 4.....	21.69	May 10.....	20.84
Dec. 4.....	18.64	Sept. 9.....	23.01	June 8.....	20.93
Apr. 15, 1976.....	18.08	Oct. 6.....	22.52	June 30.....	21.61
May 5.....	18.06	Nov. 4.....	22.21	Aug. 4.....	23.83
June 9.....	19.20	Dec. 2.....	22.06	Sept. 7.....	24.05
July 8.....	19.83	Apr. 14, 1977.....	21.21		

133-058-13AAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 4, 1975.....	17.86	Oct. 6.....	20.19	June 8.....	19.32
Mar. 11, 1976.....	18.01	Nov. 4.....	20.22	June 30.....	19.38
Apr. 15.....	17.60	Dec. 2.....	20.28	Aug. 4.....	20.00
May 5.....	17.60	Jan. 19, 1977.....	20.48	Sept. 7.....	20.38
June 9.....	17.67	Feb. 9.....	20.54	Oct. 7.....	20.12
July 8.....	18.76	Mar. 17.....	20.14	Dec. 1.....	19.58
Aug. 4.....	19.42	Apr. 14.....	19.70		
Sept. 9.....	19.99	May 10.....	19.31		

133-058-13CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	8.81	Feb. 9, 1977.....	11.65	Aug. 4.....	12.36
Aug. 4.....	9.83	Mar. 17.....	11.31	Sept. 7.....	13.00
Sept. 9.....	10.80	Apr. 14.....	10.82	Oct. 7.....	12.83
Oct. 6.....	11.14	May 10.....	9.90	Dec. 1.....	12.26
Nov. 4.....	11.27	June 8.....	10.81		
Dec. 2.....	11.39	June 30.....	11.24		

Depth to water, in feet below or (+) above land surface

133-058-14BBB1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
May 5, 1976.....	+4.40	Oct. 6.....	+1.76	May 10.....	1.27
June 9.....	+2.90	Nov. 4.....	+1.27	June 8.....	1.59
July 8.....	+2.90	Dec. 2.....	+0.80	June 30.....	1.74
Aug. 4.....	+2.42	Feb. 9, 1977.....	+0.06	Aug. 4.....	2.13
Sept. 9.....	+1.60	Mar. 17.....	.05	Sept. 7.....	2.30
Oct. 6.....	+1.14	Apr. 14.....	.40	Oct. 13.....	2.35

133-058-14BBB2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

May 5, 1976.....	+2.37	Oct. 6.....	+1.80	May 10.....	1.39
June 9.....	+2.40	Nov. 4.....	+1.21	June 8.....	1.72
July 8.....	+2.45	Dec. 2.....	+0.74	June 30.....	1.87
Aug. 4.....	+2.37	Feb. 9, 1977.....	.01	Aug. 4.....	2.17
Sept. 9.....	+1.54	Mar. 17.....	.12	Sept. 7.....	2.34
Oct. 6.....	+1.05	Apr. 14.....	.48	Oct. 13.....	2.40

133-058-24AAA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	2.81	Jan. 19, 1977.....	4.53	June 30.....	2.70
Aug. 4.....	4.01	Feb. 9.....	4.46	Aug. 4.....	4.04
Sept. 9.....	4.83	Mar. 17.....	3.11	Sept. 7.....	4.38
Oct. 6.....	4.90	Apr. 14.....	2.83	Oct. 7.....	3.52
Nov. 4.....	4.62	May 10.....	1.69	Dec. 1.....	2.79
Dec. 2.....	4.51	June 8.....	2.46		

133-058-25AAA1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 4, 1975.....	12.17	Oct. 7.....	15.49	May 10.....	13.59
Apr. 15, 1976.....	11.54	Nov. 4.....	15.53	June 8.....	13.59
May 5.....	11.35	Dec. 2.....	15.53	June 30.....	14.00
June 9.....	12.23	Jan. 19, 1977.....	15.61	Aug. 4.....	15.10
July 8.....	12.81	Feb. 9.....	15.63	Sept. 7.....	15.81
Aug. 4.....	13.90	Mar. 17.....	15.21	Oct. 7.....	15.57
Sept. 9.....	15.16	Apr. 14.....	14.47	Dec. 1.....	14.90

133-058-25BBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	8.07	Dec. 2.....	10.71	June 30.....	10.30
Aug. 4.....	9.38	Mar. 17, 1977.....	10.30	Aug. 4.....	11.77
Sept. 9.....	10.50	Apr. 14.....	10.01	Sept. 7.....	12.04
Oct. 7.....	10.55	May 10.....	9.49	Oct. 7.....	11.62
Nov. 4.....	10.59	June 8.....	10.04		

Depth to water, in feet below or (+) above land surface

133-058-25CCC1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
June 3, 1975.....	19.90	Sept. 30.....	19.20	Nov. 4.....	21.45
June 26.....	19.55	Oct. 8.....	19.14	Dec. 2.....	21.59
July 8.....	19.35	Oct. 23.....	19.20	Mar. 17, 1977.....	21.53
July 14.....	18.95	Nov. 6.....	19.10	Apr. 14.....	21.40
July 22.....	19.10	Dec. 4.....	19.11	May 10.....	21.11
July 28.....	18.95	Apr. 13, 1976.....	19.16	June 8.....	21.09
Aug. 4.....	19.45	May 4.....	18.90	June 30.....	21.30
Aug. 20.....	19.10	June 9.....	19.28	Aug. 4.....	22.54
Sept. 4.....	19.13	July 8.....	19.64	Sept. 7.....	22.80
Sept. 10.....	19.06	Aug. 4.....	20.36	Oct. 13.....	22.51
Sept. 16.....	19.11	Sept. 9.....	21.08		
Sept. 23.....	19.23	Oct. 7.....	21.40		

133-058-25CCC2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 3, 1975.....	21.44	Sept. 30.....	19.95	Nov. 4.....	23.79
June 26.....	21.20	Oct. 8.....	20.01	Dec. 2.....	23.85
July 8.....	19.90	Oct. 23.....	20.15	Mar. 17, 1977.....	24.00
July 14.....	19.65	Nov. 6.....	20.14	Apr. 14.....	23.58
July 22.....	19.50	Dec. 4.....	20.30	May 10.....	22.96
July 28.....	19.40	Apr. 13, 1976.....	20.43	June 8.....	22.77
Aug. 4.....	19.00	May 4.....	20.15	June 30.....	23.00
Aug. 20.....	19.50	June 9.....	20.67	Aug. 4.....	24.00
Sept. 4.....	19.68	July 8.....	21.14	Sept. 7.....	24.68
Sept. 10.....	19.73	Aug. 4.....	22.26	Oct. 13.....	24.53
Sept. 16.....	19.83	Sept. 9.....	23.49		
Sept. 23.....	19.87	Oct. 7.....	23.74		

133-058-25CDC MP is top of 3-inch downspout 1.60 ft above lsd.

Nov. 8, 1966.....	4.70	June 27.....	4.00	May 25, 1972.....	3.50
Dec. 5.....	4.90	Aug. 29.....	5.10	Aug. 27.....	5.70
Jan. 3, 1967.....	5.50	Nov. 25.....	4.70	Nov. 28.....	5.20
Apr. 3.....	5.40	May 28, 1969.....	3.60	June 6, 1973.....	5.20
May 5.....	3.60	Aug. 28.....	4.90	Sept. 7.....	6.40
June 5.....	5.90	Nov. 25.....	5.40	June 6, 1974.....	4.40
July 5.....	3.95	Aug. 14, 1970.....	5.70	Sept. 4.....	6.70
Aug. 28.....	5.60	Nov. 2.....	5.90	Dec. 9.....	6.80
Feb. 26, 1968.....	6.50	May 24, 1971.....	5.00	June 5, 1975.....	5.10
May 27.....	4.20	Sept. 8.....	4.30		

134-053-12BBB1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

May 13, 1975.....	2.70	July 8.....	2.61	Apr. 13.....	3.62
June 24.....	2.44	Aug. 4.....	2.87	May 11.....	3.48
July 16.....	2.11	Sept. 9.....	3.25	June 7.....	3.51
Sept. 11.....	2.29	Oct. 6.....	3.37	July 6.....	3.70
Oct. 8.....	2.29	Nov. 4.....	3.50	Aug. 3.....	3.91
Nov. 11.....	2.16	Dec. 1.....	2.64	Sept. 8.....	3.99
Apr. 14, 1976.....	2.30	Jan. 19, 1977.....	3.61	Oct. 6.....	3.93
May 5.....	2.02	Feb. 9.....	3.67	Dec. 14.....	3.51
June 9.....	2.29	Mar. 16.....	3.62		

Depth to water, in feet below or (+) above land surface

134-053-12BBB2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
May 13, 1975.....	3.64	June 9.....	4.69	Apr. 13.....	7.95
June 24.....	2.34	July 8.....	6.21	May 11.....	6.98
July 16.....	1.47	Aug. 4.....	7.34	June 7.....	6.89
Sept. 11.....	3.41	Sept. 9.....	6.74	July 6.....	7.57
Oct. 8.....	3.90	Oct. 6.....	8.54	Aug. 3.....	8.17
Nov. 11.....	3.46	Nov. 4.....	8.71	Sept. 8.....	8.55
Dec. 3.....	3.93	Dec. 1.....	8.81	Oct. 6.....	7.69
Mar. 10, 1976.....	4.29	Jan. 19, 1977.....	8.99	Dec. 14.....	6.73
Apr. 14.....	2.63	Feb. 9.....	9.08		
May 5.....	2.89	Mar. 16.....	8.71		

134-053-25BCA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 24, 1975.....	4.40	Aug. 4.....	4.39	Apr. 13.....	4.30
May 13.....	1.24	Sept. 9.....	5.08	May 11.....	3.86
June 24.....	+39	Oct. 6.....	5.26	June 7.....	3.43
Sept. 11.....	2.05	Nov. 4.....	5.26	July 6.....	3.91
Oct. 8.....	3.21	Dec. 1.....	5.28	Aug. 3.....	4.43
Nov. 11.....	1.40	Jan. 19, 1977.....	5.46	Sept. 8.....	4.62
June 9, 1976.....	2.77	Feb. 9.....	5.48	Oct. 6.....	3.88
July 8.....	3.59	Mar. 16.....	4.81	Dec. 14.....	3.44

134-054-01DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 24, 1975.....	4.64	Aug. 4.....	3.94	May 11.....	4.27
May 13.....	2.01	Sept. 9.....	4.74	June 7.....	4.60
July 16.....	+19	Oct. 6.....	5.02	July 6.....	4.90
Sept. 11.....	.42	Nov. 4.....	5.15	Aug. 3.....	5.27
Oct. 8.....	.80	Dec. 1.....	5.24	Sept. 8.....	5.45
Nov. 11.....	.75	Jan. 19, 1977.....	5.52	Oct. 6.....	4.80
May 5, 1976.....	.51	Feb. 9.....	5.58	Dec. 14.....	4.33
June 9.....	1.82	Mar. 16.....	4.98		
July 8.....	2.94	Apr. 13.....	4.37		

134-054-34BBB1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Apr. 13, 1977.....	7.29	July 7.....	8.23	Oct. 6.....	8.31
May 11.....	7.89	Aug. 2.....	8.85	Dec. 15.....	7.77
June 8.....	7.54	Sept. 8.....	8.38		

134-054-34BBB2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Apr. 13, 1977.....	7.40	July 7.....	8.15	Oct. 6.....	8.23
May 11.....	6.78	Aug. 2.....	8.78	Dec. 15.....	7.71
June 8.....	7.66	Sept. 8.....	8.36		



Depth to water, in feet below or (+) above land surface

134-056-01DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Mar. 23, 1976.....	38.43	Oct. 6.....	39.12	July 6.....	41.71
Apr. 14.....	38.33	Nov. 4.....	39.68	Aug. 2.....	41.90
May 5.....	38.27	Jan. 19, 1977.....	40.58	Sept. 8.....	42.20
June 9.....	38.13	Feb. 9.....	40.77	Oct. 6.....	42.64
July 8.....	38.24	Mar. 17.....	41.02	Dec. 14.....	42.65
Aug. 4.....	38.42	Apr. 14.....	41.35		
Sept. 9.....	38.84	June 8.....	41.34		

134-057-18BBB1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	17.73	Jan. 19, 1977.....	19.94	June 30.....	20.41
Aug. 4.....	19.49	Feb. 9.....	19.93	Aug. 4.....	21.60
Sept. 9.....	20.16	Mar. 17.....	19.74	Sept. 7.....	21.64
Oct. 6.....	20.34	Apr. 14.....	19.67	Oct. 7.....	21.41
Nov. 4.....	20.12	May 11.....	19.41	Dec. 1.....	20.66
Dec. 2.....	20.01	June 8.....	19.93		

134-057-18BCC3 MP is top of 1¼-inch plastic pipe 2.30 ft above lsd.

Aug. 18, 1977.....	22.20	Oct. 7.....	21.00	Dec. 1.....	20.18
Sept. 7.....	21.47				

134-057-18CCC2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	16.57	Jan. 19, 1977.....	17.08	June 30.....	17.82
Aug. 4.....	18.35	Feb. 9.....	17.03	Aug. 4.....	20.34
Sept. 9.....	19.62	Mar. 17.....	16.85	Sept. 7.....	19.21
Oct. 6.....	18.20	Apr. 14.....	16.75	Oct. 7.....	18.58
Nov. 4.....	17.61	May 11.....	16.66	Dec. 1.....	17.68
Dec. 2.....	17.31	June 8.....	17.51		

134-057-18DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Nov. 13, 1975.....	7.39	Sept. 9.....	8.56	May 11.....	7.65
Dec. 4.....	7.43	Oct. 6.....	8.70	June 8.....	7.80
Mar. 10, 1976.....	7.88	Nov. 4.....	8.86	June 30.....	7.81
Apr. 15.....	7.73	Dec. 2.....	8.99	Aug. 4.....	8.23
May 5.....	7.81	Jan. 19, 1977.....	9.25	Sept. 7.....	8.47
June 9.....	7.91	Feb. 9.....	9.38	Oct. 7.....	8.63
July 8.....	8.11	Mar. 17.....	9.32		
Aug. 4.....	8.28	Apr. 14.....	9.34		

134-057-20CCC2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	3.60	Jan. 19, 1977.....	5.36	Aug. 4.....	4.43
Aug. 4.....	4.45	Mar. 17.....	4.00	Sept. 7.....	4.58
Sept. 9.....	5.25	Apr. 14.....	3.85	Oct. 7.....	3.93
Oct. 6.....	5.30	May 11.....	2.90	Dec. 1.....	3.45
Nov. 4.....	5.15	June 8.....	3.63		
Dec. 2.....	5.16	June 30.....	3.75		

Depth to water, in feet below or (+) above land surface

134-057-30DCC2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
July 8, 1976.....	7.93	Feb. 9, 1977.....	7.85	Aug. 4.....	9.05
Aug. 4.....	8.45	Mar. 17.....	9.64	Sept. 7.....	9.28
Sept. 9.....	9.09	Apr. 14.....	9.23	Oct. 7.....	9.22
Oct. 6.....	9.29	May 11.....	8.89	Dec. 1.....	8.90
Nov. 4.....	9.35	June 8.....	8.78		
Dec. 2.....	9.45	June 30.....	8.75		

134-057-31CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 4, 1975.....	12.27	Aug. 4.....	13.05	June 8.....	13.28
Mar. 11, 1976.....	12.47	Sept. 9.....	13.44	June 30.....	13.36
Apr. 15.....	12.27	Oct. 6.....	13.61	Aug. 4.....	13.76
May 5.....	12.19	Nov. 4.....	13.70	Sept. 7.....	13.91
June 9.....	12.37	Apr. 14, 1977.....	13.45	Oct. 7.....	13.70
July 8.....	12.58	May 11.....	13.31	Dec. 1.....	13.38

134-058-12AAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Sept. 7, 1977.....	25.34	Oct. 7.....	25.14	Dec. 1.....	24.38
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134-058-13AAB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Aug. 18, 1977.....	25.95	Sept. 7.....	25.80	Oct. 13.....	25.48
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134-058-13BAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Aug. 18, 1977.....	26.87	Sept. 7.....	26.73	Oct. 13.....	26.40
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134-058-13BBB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	4.19	Nov. 4.....	6.31	Aug. 4.....	9.31
Aug. 4.....	5.31	May 11, 1977.....	5.63	Sept. 7.....	9.23
Sept. 9.....	6.41	June 8.....	5.89	Oct. 13.....	8.80
Oct. 6.....	6.33	June 30.....	6.12		

134-058-13CDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Aug. 18, 1977.....	23.74	Sept. 7.....	23.57	Oct. 13.....	23.07
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134-058-23AAA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Aug. 18, 1977.....	9.88	Sept. 7.....	10.10	Oct. 13.....	9.74
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Depth to water, in feet below or (+) above land surface

134-058-24BBA MP is top of 1½-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 4, 1975.....	23.07	Sept. 8.....	27.25	June 30.....	26.61
Apr. 15, 1976.....	22.79	Oct. 6.....	27.14	Aug. 4.....	27.86
May 5.....	22.74	Nov. 4.....	26.94	Sept. 7.....	28.07
June 9.....	23.89	Apr. 14, 1977.....	26.19	Oct. 13.....	27.63
July 8.....	24.64	May 11.....	25.90		
Aug. 4.....	25.90	June 8.....	26.18		

134-058-24CDC2 MP is top of 4-inch plastic pipe 1.10 ft above lsd.

Apr. 5, 1969.....	20.21	Dec. 5.....	19.58	Aug. 5.....	19.52
Apr. 10.....	19.78	Dec. 10.....	19.58	Aug. 10.....	19.56
Apr. 15.....	18.99	Dec. 15.....	19.60	Aug. 15.....	19.62
Apr. 20.....	18.73	Dec. 20.....	19.61	Aug. 20.....	19.69
Apr. 25.....	18.60	Dec. 25.....	19.63	Aug. 25.....	19.73
Apr. 30.....	18.54	Dec. 31.....	19.64	Aug. 31.....	19.79
May 5.....	18.55	Jan. 5, 1970.....	19.66	Sept. 5.....	19.83
May 10.....	18.58	Jan. 10.....	19.66	Sept. 10.....	19.82
May 15.....	18.64	Jan. 15.....	19.70	Sept. 15.....	19.85
May 20.....	18.64	Jan. 20.....	19.73	Sept. 20.....	19.86
May 25.....	18.66	Jan. 25.....	19.75	Sept. 25.....	19.90
May 31.....	18.71	Jan. 31.....	19.74	Sept. 30.....	19.91
June 5.....	18.73	Feb. 5.....	19.78	Oct. 5.....	19.92
June 10.....	18.76	Feb. 10.....	19.78	Oct. 10.....	19.95
June 15.....	18.80	Feb. 15.....	19.79	Oct. 15.....	19.97
June 20.....	18.84	Feb. 20.....	19.81	Oct. 20.....	19.97
June 25.....	18.85	Feb. 25.....	19.82	Oct. 25.....	19.96
June 30.....	18.81	Feb. 28.....	19.81	Oct. 31.....	19.92
July 5.....	18.82	Mar. 5.....	19.78	Nov. 5.....	19.88
July 10.....	18.86	Mar. 10.....	19.78	Nov. 10.....	19.86
July 15.....	18.91	Mar. 15.....	19.81	Nov. 15.....	19.87
July 20.....	18.97	Mar. 20.....	19.78	Nov. 20.....	19.85
July 25.....	19.03	Mar. 25.....	19.71	Nov. 25.....	19.87
July 31.....	19.08	Mar. 31.....	19.68	Nov. 30.....	19.91
Aug. 5.....	19.12	Apr. 5.....	19.65	Dec. 5.....	19.94
Aug. 10.....	19.17	Apr. 10.....	19.59	Dec. 10.....	19.98
Aug. 15.....	19.24	Apr. 15.....	19.54	Dec. 15.....	20.01
Aug. 20.....	19.29	Apr. 20.....	19.44	Dec. 20.....	20.05
Aug. 25.....	19.33	Apr. 25.....	19.36	Dec. 25.....	20.08
Aug. 31.....	19.37	Apr. 30.....	19.30	Dec. 31.....	20.12
Sept. 5.....	19.39	May 5.....	19.31	Jan. 5, 1971.....	20.13
Sept. 10.....	19.41	May 10.....	19.30	Jan. 10.....	20.19
Sept. 15.....	19.44	May 15.....	19.29	Jan. 15.....	20.22
Sept. 20.....	19.47	May 20.....	19.30	Jan. 20.....	20.20
Sept. 25.....	19.47	May 25.....	19.31	Jan. 25.....	20.22
Sept. 30.....	19.47	May 31.....	19.21	Jan. 31.....	20.24
Oct. 5.....	19.43	June 5.....	19.20	Feb. 5.....	20.26
Oct. 10.....	19.44	June 10.....	19.24	Feb. 10.....	20.27
Oct. 15.....	19.46	June 15.....	19.25	Feb. 15.....	20.28
Oct. 20.....	19.47	June 20.....	19.12	Feb. 20.....	20.27
Oct. 25.....	19.49	June 25.....	19.10	Feb. 25.....	20.23
Oct. 31.....	19.54	June 30.....	19.16	Feb. 28.....	20.22
Nov. 5.....	19.52	July 5.....	19.22	Mar. 5.....	20.21
Nov. 10.....	19.54	July 10.....	19.27	Mar. 10.....	20.21
Nov. 15.....	19.54	July 15.....	19.31	Mar. 15.....	20.14
Nov. 20.....	19.57	July 20.....	19.38	Mar. 20.....	20.10
Nov. 25.....	19.58	July 25.....	19.44	Mar. 25.....	20.04
Nov. 30.....	19.57	July 31.....	19.47	Mar. 31.....	19.99

Depth to water, in feet below or (+) above land surface

134-058-24CDC2, Continued

Date	Water level	Date	Water level	Date	Water level
Apr. 5, 1971.....	20.00	Feb. 5.....	20.21	Dec. 5.....	19.55
Apr. 10.....	19.98	Feb. 10.....	20.24	Dec. 10.....	19.51
Apr. 15.....	19.95	Feb. 15.....	20.23	Dec. 15.....	19.54
Apr. 20.....	19.94	Feb. 20.....	20.24	Dec. 20.....	19.54
Apr. 25.....	19.91	Feb. 25.....	20.23	Dec. 25.....	19.56
Apr. 30.....	19.88	Feb. 29.....	20.23	Dec. 31.....	19.55
May 5.....	19.85	Mar. 5.....	20.25	Jan. 5, 1973.....	19.56
May 10.....	19.84	Mar. 10.....	20.26	Jan. 10.....	19.60
May 15.....	19.81	Mar. 15.....	20.10	Jan. 15.....	19.61
May 20.....	19.80	Mar. 20.....	19.89	Jan. 20.....	19.59
May 25.....	19.74	Mar. 25.....	19.72	Jan. 25.....	19.58
May 31.....	19.71	Mar. 31.....	19.58	Jan. 31.....	19.55
June 5.....	19.68	Apr. 5.....	19.49	Feb. 5.....	19.57
June 10.....	19.70	Apr. 10.....	19.46	Feb. 10.....	19.61
June 15.....	19.78	Apr. 15.....	19.39	Feb. 15.....	19.65
June 20.....	19.77	Apr. 20.....	19.34	Feb. 20.....	19.68
June 25.....	19.64	Apr. 25.....	19.33	Feb. 25.....	19.66
June 30.....	19.61	Apr. 30.....	19.30	Feb. 28.....	19.65
July 5.....	19.67	May 5.....	19.29	June 15.....	19.63
July 10.....	19.74	May 10.....	19.29	June 20.....	19.67
July 15.....	19.70	May 15.....	19.18	June 25.....	19.74
July 20.....	19.78	May 20.....	19.19	June 30.....	19.81
July 25.....	19.83	May 25.....	19.16	July 5.....	19.91
July 31.....	19.87	May 31.....	19.00	July 10.....	20.03
Aug. 5.....	19.94	June 5.....	19.01	July 15.....	20.12
Aug. 10.....	20.00	June 10.....	19.07	July 20.....	20.21
Aug. 15.....	20.06	June 15.....	19.08	July 25.....	20.29
Aug. 20.....	20.08	June 20.....	19.04	July 31.....	20.37
Aug. 25.....	20.12	June 25.....	19.03	Aug. 5.....	20.43
Aug. 31.....	20.15	June 30.....	19.06	Aug. 10.....	20.50
Sept. 5.....	20.12	July 5.....	19.11	Aug. 15.....	20.58
Sept. 10.....	20.16	July 10.....	19.14	Aug. 20.....	20.66
Sept. 15.....	20.21	July 15.....	19.14	Aug. 25.....	20.70
Sept. 20.....	20.24	July 20.....	19.18	Aug. 31.....	20.80
Sept. 25.....	20.27	July 25.....	19.14	Sept. 5.....	20.66
Sept. 30.....	20.27	July 31.....	19.13	Sept. 10.....	20.69
Oct. 5.....	20.22	Aug. 5.....	19.18	Sept. 15.....	20.75
Oct. 10.....	20.23	Aug. 10.....	19.20	Sept. 20.....	20.78
Oct. 15.....	20.26	Aug. 15.....	19.23	Sept. 25.....	20.64
Oct. 20.....	20.10	Aug. 20.....	19.25	Sept. 30.....	20.55
Oct. 25.....	20.08	Aug. 25.....	19.27	Oct. 5.....	20.58
Oct. 31.....	20.07	Aug. 31.....	19.32	Oct. 10.....	20.58
Nov. 5.....	20.02	Sept. 5.....	19.36	Oct. 15.....	20.54
Nov. 10.....	20.08	Sept. 10.....	19.41	Oct. 20.....	20.57
Nov. 15.....	20.03	Sept. 15.....	19.44	Oct. 25.....	20.56
Nov. 20.....	20.00	Sept. 20.....	19.48	Oct. 31.....	20.55
Nov. 25.....	20.01	Sept. 25.....	19.50	Nov. 5.....	20.59
Nov. 30.....	20.05	Sept. 30.....	19.51	Nov. 10.....	20.59
Dec. 5.....	20.05	Oct. 5.....	19.53	Nov. 15.....	20.57
Dec. 10.....	20.04	Oct. 10.....	19.52	Nov. 20.....	20.57
Dec. 15.....	20.05	Oct. 15.....	19.54	Nov. 25.....	20.56
Dec. 20.....	20.07	Oct. 20.....	19.54	Nov. 30.....	20.57
Dec. 25.....	20.08	Oct. 25.....	19.53	Dec. 5.....	20.58
Dec. 31.....	20.09	Oct. 31.....	19.54	Dec. 10.....	20.59
Jan. 5, 1972.....	20.11	Nov. 5.....	19.53	Dec. 15.....	20.62
Jan. 10.....	20.11	Nov. 10.....	19.51	Dec. 20.....	20.62
Jan. 15.....	20.16	Nov. 15.....	19.54	Dec. 25.....	20.62
Jan. 20.....	20.16	Nov. 20.....	19.54	Dec. 31.....	20.62
Jan. 25.....	20.18	Nov. 25.....	19.50	Jan. 5, 1974.....	20.65
Jan. 31.....	20.19	Nov. 30.....	19.52	Jan. 10.....	20.68

Depth to water, in feet below or (+) above land surface

134-058-24CDC2, Continued

Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1974.....	20.70	Nov. 5.....	20.71	Sept. 5.....	18.73
Jan. 20.....	20.71	Nov. 10.....	20.70	Sept. 10.....	18.73
Jan. 25.....	20.71	Nov. 15.....	20.69	Sept. 15.....	18.76
Jan. 31.....	20.72	Nov. 20.....	20.69	Sept. 20.....	18.75
Feb. 5.....	20.73	Nov. 25.....	20.70	Sept. 25.....	18.76
Feb. 10.....	20.74	Nov. 30.....	20.73	Sept. 30.....	18.76
Feb. 15.....	20.74	Dec. 5.....	20.73	Oct. 5.....	18.76
Feb. 20.....	20.74	Dec. 10.....	20.75	Oct. 10.....	18.79
Feb. 25.....	20.74	Dec. 15.....	20.75	Oct. 15.....	18.79
Feb. 28.....	20.73	Dec. 20.....	20.75	Oct. 20.....	18.79
Mar. 5.....	20.70	Dec. 25.....	20.78	Oct. 25.....	18.77
Mar. 10.....	20.67	Dec. 31.....	20.79	Oct. 31.....	18.75
Mar. 15.....	20.57	Jan. 5, 1975.....	20.80	Nov. 5.....	18.78
Mar. 20.....	20.51	Jan. 10.....	20.81	Nov. 10.....	18.78
Mar. 25.....	20.50	Jan. 15.....	20.83	Nov. 15.....	18.77
Mar. 31.....	20.50	Jan. 20.....	20.84	Nov. 20.....	18.76
Apr. 5.....	20.47	Jan. 25.....	20.84	Nov. 25.....	18.81
Apr. 10.....	20.45	Jan. 31.....	20.86	Nov. 30.....	18.81
Apr. 15.....	20.34	Feb. 5.....	20.88	Dec. 5.....	18.90
Apr. 20.....	20.29	Feb. 10.....	20.88	Dec. 10.....	18.86
Apr. 25.....	20.22	Feb. 15.....	20.90	Dec. 15.....	18.91
Apr. 30.....	20.11	Feb. 20.....	20.90	Dec. 20.....	18.94
May 5.....	20.05	Feb. 25.....	20.89	Dec. 25.....	18.93
May 10.....	20.03	Feb. 28.....	20.90	Dec. 31.....	18.93
May 15.....	19.93	Mar. 5.....	20.90	Jan. 5, 1976.....	18.91
May 20.....	19.88	Mar. 10.....	20.91	Jan. 10.....	18.95
May 25.....	19.77	Mar. 15.....	20.94	Jan. 15.....	18.96
May 31.....	19.75	Mar. 20.....	20.87	Jan. 20.....	18.96
June 5.....	19.75	Mar. 25.....	20.84	Jan. 25.....	18.94
June 10.....	19.73	Mar. 31.....	20.81	Jan. 31.....	18.93
June 15.....	19.78	Apr. 5.....	20.81	Feb. 5.....	18.95
June 20.....	19.79	Apr. 10.....	20.78	Feb. 10.....	18.94
June 25.....	19.86	Apr. 15.....	20.69	Feb. 15.....	18.89
June 30.....	19.91	Apr. 20.....	20.38	Feb. 20.....	18.86
July 5.....	19.96	Apr. 25.....	20.20	Feb. 25.....	18.80
July 10.....	20.03	Apr. 30.....	19.97	Feb. 29.....	18.75
July 15.....	20.08	May 5.....	19.84	Mar. 5.....	18.74
July 20.....	20.16	May 10.....	19.80	Mar. 10.....	18.75
July 25.....	20.24	May 15.....	19.75	Mar. 15.....	18.75
July 31.....	20.35	May 20.....	19.71	Mar. 20.....	18.69
Aug. 5.....	20.41	May 25.....	19.70	Mar. 25.....	18.61
Aug. 10.....	20.48	May 31.....	19.70	Mar. 31.....	18.60
Aug. 15.....	20.46	June 5.....	19.72	Apr. 5.....	18.58
Aug. 20.....	20.52	June 20.....	19.63	Apr. 10.....	18.56
Aug. 25.....	20.58	June 25.....	19.35	Apr. 15.....	18.55
Aug. 31.....	20.63	June 30.....	18.96	Apr. 20.....	18.56
Sept. 5.....	20.67	July 5.....	18.20	Apr. 25.....	18.53
Sept. 10.....	20.70	July 10.....	18.12	Apr. 30.....	18.55
Sept. 15.....	20.74	July 15.....	18.12	May 5.....	18.60
Sept. 20.....	20.77	July 20.....	18.24	May 10.....	18.68
Sept. 25.....	20.78	July 25.....	18.31	May 15.....	18.74
Sept. 30.....	20.81	July 31.....	18.45	May 20.....	18.82
Oct. 5.....	20.80	Aug. 5.....	18.54	May 25.....	18.93
Oct. 10.....	20.78	Aug. 10.....	18.59	May 31.....	18.98
Oct. 15.....	20.78	Aug. 15.....	18.68	June 5.....	19.12
Oct. 20.....	20.79	Aug. 20.....	18.72	June 10.....	19.20
Oct. 25.....	20.79	Aug. 25.....	18.67	June 15.....	19.31
Oct. 31.....	20.78	Aug. 31.....	18.71	June 20.....	19.31

Depth to water, in feet below or (+) above land surface

134-058-24CDC2, Continued

Date	Water level	Date	Water level	Date	Water level
June 25, 1976.....	19.34	Dec. 15.....	21.89	June 25.....	21.52
June 30.....	19.38	Dec. 20.....	21.88	June 30.....	21.62
July 5.....	19.53	Dec. 25.....	21.88	July 5.....	21.75
July 10.....	19.69	Dec. 31.....	21.87	July 10.....	21.86
July 15.....	19.85	Jan. 5, 1977.....	21.90	July 15.....	21.97
July 20.....	20.02	Jan. 10.....	21.91	July 20.....	22.10
July 25.....	20.25	Jan. 15.....	21.92	July 25.....	22.26
July 31.....	20.54	Jan. 20.....	21.92	July 31.....	22.43
Aug. 5.....	20.75	Feb. 10.....	21.93	Aug. 5.....	22.60
Aug. 10.....	20.97	Feb. 15.....	21.89	Aug. 10.....	22.70
Aug. 15.....	21.13	Feb. 20.....	21.89	Aug. 15.....	22.75
Aug. 20.....	21.32	Feb. 25.....	21.86	Aug. 20.....	22.80
Aug. 25.....	21.52	Feb. 28.....	21.87	Aug. 25.....	22.86
Aug. 31.....	21.71	Mar. 5.....	21.86	Aug. 31.....	22.89
Sept. 5.....	21.84	Mar. 10.....	21.85	Sept. 5.....	22.88
Sept. 10.....	21.94	Mar. 15.....	21.69	Sept. 10.....	22.86
Sept. 15.....	21.97	Mar. 20.....	21.61	Sept. 15.....	22.86
Sept. 20.....	21.97	Mar. 25.....	21.58	Sept. 20.....	22.81
Sept. 25.....	21.97	Mar. 31.....	21.52	Sept. 25.....	22.68
Sept. 30.....	21.98	Apr. 5.....	21.46	Sept. 30.....	22.60
Oct. 5.....	21.97	Apr. 10.....	21.44	Oct. 5.....	22.57
Oct. 10.....	21.97	Apr. 15.....	21.39	Oct. 10.....	22.49
Oct. 15.....	21.95	Apr. 20.....	21.32	Oct. 15.....	22.44
Oct. 20.....	21.94	Apr. 25.....	21.28	Oct. 20.....	22.43
Oct. 25.....	21.91	Apr. 30.....	21.26	Oct. 25.....	22.41
Oct. 31.....	21.90	May 5.....	21.21	Oct. 31.....	22.37
Nov. 5.....	21.88	May 10.....	21.17	Nov. 5.....	22.34
Nov. 10.....	21.88	May 15.....	21.21	Nov. 10.....	22.28
Nov. 15.....	21.88	May 20.....	21.19	Nov. 15.....	22.26
Nov. 20.....	21.87	May 25.....	21.15	Nov. 20.....	22.19
Nov. 25.....	21.86	May 31.....	21.26	Nov. 25.....	22.21
Nov. 30.....	21.86	June 10.....	21.36	Nov. 30.....	22.19
Dec. 5.....	21.88	June 15.....	21.47		
Dec. 10.....	21.87	June 20.....	21.45		

134-058-26BAB MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Aug. 18, 1977.....	6.05	Oct. 7.....	5.07	Dec. 1.....	4.69
Sept. 7.....	6.00				

134-058-36CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 8, 1976.....	21.07	Jan. 19, 1977.....	23.26	June 30.....	22.40
Aug. 4.....	22.04	Feb. 9.....	23.27	Aug. 4.....	23.46
Sept. 9.....	23.08	Mar. 17.....	22.74	Sept. 7.....	23.97
Oct. 6.....	23.28	Apr. 14.....	22.34	Oct. 7.....	23.59
Nov. 4.....	23.15	May 10.....	21.95	Dec. 1.....	22.90
Dec. 2.....	23.12	June 8.....	22.10		

Depth to water, in feet below or (+) above land surface

135-053-10BBC MP is top of 1¼-inch plastic pipe 2.50 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Nov. 12, 1974.....	2.56	Aug. 4.....	4.25	May 11.....	2.97
June 24, 1975.....	.35	Sept. 9.....	5.04	June 8.....	2.89
July 18.....	.88	Oct. 6.....	4.84	July 7.....	3.57
Sept. 10.....	1.69	Nov. 4.....	4.40	Aug. 3.....	4.53
Oct. 8.....	1.91	Dec. 1.....	4.44	Sept. 8.....	4.56
Nov. 11.....	1.67	Jan. 19, 1977.....	4.47	Oct. 6.....	3.26
May 5, 1976.....	1.61	Feb. 9.....	4.35	Dec. 15.....	2.34
June 9.....	2.42	Mar. 16.....	2.63		
July 8.....	3.14	Apr. 13.....	2.65		

135-053-16CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 4, 1973.....	10.58	May 5.....	8.09	Feb. 9.....	10.36
Aug. 15, 1974.....	10.00	June 9.....	8.46	Mar. 16.....	10.17
June 24, 1975.....	8.79	July 8.....	8.81	Apr. 13.....	10.01
Sept. 10.....	7.14	Aug. 4.....	7.19	May 11.....	10.02
Oct. 8.....	7.60	Sept. 9.....	9.71	June 8.....	10.25
Nov. 11.....	7.82	Oct. 6.....	9.94	July 7.....	10.39
Dec. 3.....	8.00	Nov. 4.....	10.07	Aug. 3.....	10.56
Mar. 10, 1976.....	8.40	Dec. 1.....	10.14	Sept. 8.....	10.76
Apr. 14.....	8.06	Jan. 19, 1977.....	10.30	Oct. 6.....	10.88

135-053-16DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

June 24, 1975.....	1.29	July 8.....	3.56	Apr. 13.....	4.08
Sept. 10.....	1.98	Aug. 4.....	4.08	May 11.....	4.00
Oct. 8.....	2.67	Sept. 9.....	4.77	June 8.....	4.26
Nov. 11.....	2.60	Oct. 6.....	4.97	July 7.....	4.52
Dec. 3.....	2.59	Nov. 4.....	4.94	Aug. 3.....	4.92
Mar. 10, 1976.....	2.44	Dec. 1.....	4.90	Sept. 8.....	5.18
Apr. 14.....	1.47	Jan. 19, 1977.....	4.99	Oct. 6.....	4.96
May 5.....	1.58	Feb. 9.....	5.02	Dec. 15.....	4.36
June 9.....	2.96	Mar. 16.....	4.47		

135-053-22CCC MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Nov. 12, 1974.....	5.99	May 5.....	1.84	Mar. 16.....	5.79
May 13, 1975.....	4.47	June 9.....	3.23	Apr. 13.....	5.48
June 24.....	3.19	July 8.....	3.92	May 11.....	5.43
July 18.....	.70	Aug. 4.....	4.60	June 8.....	5.60
Sept. 10.....	2.00	Sept. 9.....	5.29	July 7.....	5.59
Oct. 8.....	2.64	Oct. 6.....	5.55	Aug. 3.....	5.95
Nov. 11.....	2.56	Nov. 4.....	5.74	Sept. 8.....	6.28
Dec. 3.....	2.84	Dec. 1.....	5.87	Oct. 6.....	6.04
Mar. 10, 1976.....	2.90	Jan. 19, 1977.....	6.11	Dec. 15.....	5.63
Apr. 14.....	1.64	Feb. 9.....	6.22		

Depth to water, in feet below or (+) above land surface

135-054-01CCC MP is top of 4-inch plastic pipe 1.90 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 4, 1973.....	5.44	Apr. 14.....	2.02	Feb. 9.....	5.74
Aug. 15, 1974.....	4.52	May 5.....	2.20	Mar. 16.....	5.00
Nov. 12.....	6.18	June 9.....	3.18	Apr. 13.....	4.83
June 24, 1975.....	3.17	July 8.....	3.76	May 11.....	4.86
July 18.....	.54	Aug. 4.....	4.30	June 8.....	5.15
Sept. 10.....	2.03	Sept. 9.....	4.98	July 7.....	5.47
Oct. 8.....	2.47	Oct. 6.....	5.15	Aug. 3.....	5.78
Nov. 11.....	2.67	Nov. 4.....	4.84	Sept. 8.....	6.02
Dec. 3.....	2.60	Dec. 1.....	5.45	Oct. 6.....	5.99
Mar. 10, 1976.....	2.98	Jan. 19, 1977.....	5.64	Dec. 15.....	5.66

135-054-23CCC MP is top of 4-inch plastic pipe 1.30 ft above lsd.

Oct. 25, 1973.....	5.52	May 31.....	3.10	Feb. 28.....	6.15
Oct. 31.....	5.52	June 5.....	3.51	Mar. 5.....	6.16
Nov. 5.....	5.53	June 10.....	3.84	Mar. 10.....	6.18
Nov. 10.....	5.54	June 15.....	4.04	Mar. 15.....	6.20
Nov. 15.....	5.54	June 20.....	4.31	Mar. 20.....	5.87
Nov. 20.....	5.55	June 25.....	4.59	Mar. 25.....	5.71
Nov. 25.....	5.54	June 30.....	4.84	Mar. 31.....	5.69
Nov. 30.....	5.53	July 5.....	4.96	Apr. 5.....	5.69
Dec. 5.....	5.54	July 10.....	5.16	Apr. 10.....	5.65
Dec. 10.....	5.61	July 15.....	5.18	Apr. 15.....	5.02
Dec. 15.....	5.69	July 20.....	5.36	Apr. 20.....	4.10
Dec. 20.....	5.72	July 25.....	5.50	Apr. 25.....	3.82
Dec. 25.....	5.76	July 31.....	5.69	Apr. 30.....	3.42
Dec. 31.....	5.79	Aug. 5.....	5.58	May 5.....	3.57
Jan. 5, 1974.....	5.85	Aug. 10.....	5.71	May 10.....	3.69
Jan. 10.....	5.92	Aug. 15.....	5.32	May 15.....	3.58
Jan. 15.....	5.98	Aug. 20.....	5.48	May 20.....	3.74
Jan. 20.....	6.02	Aug. 25.....	5.59	May 25.....	3.76
Jan. 25.....	6.04	Aug. 31.....	5.69	May 31.....	4.11
Jan. 31.....	6.07	Sept. 5.....	5.76	June 5.....	4.03
Feb. 5.....	6.10	Sept. 10.....	5.77	June 10.....	4.02
Feb. 10.....	6.11	Nov. 10.....	5.70	June 15.....	4.01
Feb. 15.....	6.12	Nov. 15.....	5.73	June 20.....	2.02
Feb. 20.....	6.12	Nov. 20.....	5.77	June 25.....	1.95
Feb. 25.....	6.12	Nov. 25.....	5.80	June 30.....	-.03
Feb. 28.....	6.14	Nov. 30.....	5.84	July 5.....	-.08
Mar. 5.....	6.14	Dec. 5.....	5.86	July 8.....	-.01
Mar. 10.....	6.11	Dec. 10.....	5.88	Sept. 22.....	2.88
Mar. 15.....	5.68	Dec. 15.....	5.89	Sept. 25.....	3.11
Mar. 20.....	5.58	Dec. 20.....	5.90	Sept. 30.....	3.19
Mar. 25.....	5.61	Dec. 25.....	5.91	Oct. 5.....	3.37
Mar. 31.....	5.54	Dec. 31.....	5.94	Oct. 10.....	3.52
Apr. 5.....	5.43	Jan. 5, 1975.....	5.95	Oct. 15.....	3.50
Apr. 10.....	5.32	Jan. 10.....	5.97	Oct. 20.....	3.61
Apr. 15.....	4.83	Jan. 15.....	5.99	Oct. 25.....	2.97
Apr. 20.....	4.70	Jan. 20.....	6.01	Oct. 31.....	3.18
Apr. 25.....	4.45	Jan. 25.....	6.03	Nov. 5.....	3.26
Apr. 30.....	4.03	Jan. 31.....	6.06	Nov. 10.....	3.33
May 5.....	4.16	Feb. 5.....	6.08	Nov. 15.....	3.17
May 10.....	3.96	Feb. 10.....	6.09	Nov. 20.....	3.00
May 15.....	3.19	Feb. 15.....	6.13	Nov. 25.....	3.38
May 20.....	3.25	Feb. 20.....	6.14	Nov. 30.....	3.58
May 25.....	3.08	Feb. 25.....	6.15	Dec. 5.....	3.71



Depth to water, in feet below or (+) above land surface

135-054-23CCC, Continued

Date	Water level	Date	Water level	Date	Water level
Dec. 10, 1975.....	3.69	Aug. 15.....	5.88	Apr. 25.....	5.57
Dec. 15.....	3.86	Aug. 20.....	5.99	Apr. 30.....	5.64
Dec. 20.....	3.99	Aug. 25.....	6.10	May 5.....	5.68
Dec. 25.....	4.03	Aug. 31.....	6.19	May 10.....	5.77
Dec. 31.....	4.03	Sept. 5.....	6.27	May 15.....	5.89
Jan. 5, 1976.....	4.06	Sept. 10.....	6.32	May 20.....	5.96
Jan. 10.....	4.16	Sept. 15.....	6.36	May 25.....	5.92
Jan. 15.....	4.19	Sept. 20.....	6.41	May 31.....	6.03
Jan. 20.....	4.24	Sept. 25.....	6.43	June 5.....	6.08
Jan. 25.....	4.24	Sept. 30.....	6.46	June 10.....	6.16
Jan. 31.....	4.27	Oct. 5.....	6.48	June 15.....	6.24
Feb. 5.....	4.37	Oct. 10.....	6.56	June 20.....	6.22
Feb. 10.....	4.45	Oct. 15.....	6.56	June 25.....	6.28
Feb. 15.....	4.17	Oct. 20.....	6.56	June 30.....	6.35
Feb. 20.....	4.05	Oct. 25.....	6.56	July 5.....	6.45
Feb. 25.....	3.76	Oct. 31.....	6.56	July 10.....	6.54
Feb. 29.....	3.70	Nov. 5.....	6.56	July 15.....	6.61
Mar. 5.....	3.86	Nov. 10.....	6.56	July 20.....	6.69
Mar. 10.....	3.94	Nov. 15.....	6.56	July 25.....	6.76
Mar. 15.....	4.02	Nov. 20.....	6.58	July 31.....	6.82
Mar. 20.....	3.30	Nov. 25.....	6.58	Aug. 5.....	6.83
Mar. 25.....	3.12	Nov. 30.....	6.58	Aug. 10.....	6.85
Mar. 31.....	3.01	Dec. 5.....	6.60	Aug. 15.....	6.88
Apr. 5.....	2.49	Dec. 10.....	6.62	Aug. 20.....	6.90
Apr. 10.....	2.33	Dec. 15.....	6.63	Aug. 25.....	6.94
Apr. 15.....	2.33	Dec. 20.....	6.64	Aug. 31.....	6.95
Apr. 20.....	2.26	Dec. 25.....	6.64	Sept. 5.....	6.96
Apr. 25.....	2.15	Dec. 31.....	6.67	Sept. 10.....	6.99
Apr. 30.....	2.36	Jan. 5, 1977.....	6.69	Sept. 15.....	7.02
May 5.....	2.65	Jan. 9.....	6.70	Sept. 20.....	7.02
May 10.....	2.93	Jan. 20.....	6.75	Sept. 25.....	6.80
May 15.....	3.20	Jan. 25.....	6.76	Sept. 30.....	6.64
May 20.....	3.48	Jan. 31.....	6.76	Oct. 5.....	6.57
May 25.....	3.69	Feb. 5.....	6.78	Oct. 10.....	6.43
May 31.....	3.89	Feb. 10.....	6.73	Oct. 15.....	6.31
June 5.....	4.19	Feb. 15.....	6.73	Oct. 20.....	6.27
June 10.....	4.43	Feb. 20.....	6.70	Oct. 25.....	6.26
June 15.....	4.55	Feb. 25.....	6.69	Oct. 31.....	6.26
June 20.....	4.64	Feb. 28.....	6.69	Nov. 5.....	6.26
June 25.....	4.38	Mar. 5.....	6.68	Nov. 10.....	6.25
June 30.....	4.66	Mar. 10.....	6.63	Nov. 15.....	6.22
July 5.....	4.91	Mar. 15.....	6.10	Nov. 20.....	6.17
July 10.....	5.07	Mar. 20.....	6.02	Nov. 25.....	6.16
July 15.....	5.08	Mar. 25.....	5.97	Nov. 30.....	6.13
July 20.....	5.28	Mar. 31.....	5.88	Dec. 5.....	6.12
July 25.....	5.46	Apr. 5.....	5.73	Dec. 15.....	6.12
July 31.....	5.61	Apr. 10.....	5.90	Dec. 20.....	6.10
Aug. 5.....	5.71	Apr. 15.....	5.62	Dec. 25.....	6.09
Aug. 10.....	5.81	Apr. 20.....	5.55	Dec. 31.....	6.16

135-058-04DDD1 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 4, 1975.....	19.25	Oct. 6.....	21.77	June 8.....	21.90
Apr. 15, 1976.....	19.37	Nov. 4.....	21.84	June 30.....	22.11
May 5.....	19.40	Jan. 19, 1977.....	22.17	Aug. 3.....	22.47
June 9.....	19.90	Feb. 9.....	22.26	Sept. 8.....	22.68
July 8.....	20.53	Mar. 17.....	22.24	Oct. 6.....	22.87
Aug. 4.....	21.06	Apr. 13.....	21.99	Dec. 15.....	22.51
Sept. 9.....	21.54	May 11.....	21.88		

Depth to water, in feet below or (+) above land surface

135-058-26BAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Aug. 31, 1977.....	13.15	Oct. 6.....	12.70	Dec. 15.....	12.46

135-058-35DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Dec. 4, 1975.....	31.84	Oct. 6.....	34.03	June 8.....	34.18
Mar. 10, 1976.....	31.85	Nov. 4.....	34.16	June 30.....	34.91
Apr. 15.....	31.83	Dec. 2.....	34.29	Aug. 3.....	35.98
May 5.....	31.92	Jan. 19, 1977.....	34.54	Sept. 7.....	36.05
June 9.....	32.29	Feb. 9.....	34.62	Oct. 6.....	35.78
July 8.....	32.61	Mar. 17.....	34.53	Dec. 1.....	35.32
Aug. 4.....	33.13	Apr. 13.....	34.23		
Sept. 9.....	33.80	May 11.....	34.00		

136-053-21DDD2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Nov. 12, 1974.....	7.03	June 9.....	4.11	Apr. 13.....	6.95
June 24, 1975.....	3.91	July 8.....	5.19	May 11.....	6.63
July 18.....	+1.2	Aug. 4.....	6.20	June 8.....	6.66
Sept. 10.....	2.40	Sept. 9.....	7.24	July 7.....	7.12
Oct. 8.....	3.14	Oct. 6.....	7.61	Aug. 3.....	7.63
Nov. 11.....	3.22	Nov. 4.....	7.75	Sept. 8.....	8.00
Dec. 3.....	3.58	Dec. 1.....	7.80	Oct. 6.....	7.55
Mar. 10, 1976.....	4.39	Jan. 19, 1977.....	7.96	Dec. 15.....	6.82
Apr. 14.....	2.56	Feb. 9.....	8.07		
May 5.....	2.51	Mar. 16.....	7.44		

136-053-25AAA2 MP is top of 4-inch plastic pipe 1.50 ft above lsd.

Oct. 25, 1973.....	7.56	Mar. 25.....	7.94	July 25.....	6.95
Oct. 31.....	7.52	Mar. 31.....	7.86	July 31.....	7.07
Nov. 5.....	7.51	Apr. 5.....	7.69	Aug. 5.....	7.12
Nov. 10.....	7.51	Apr. 10.....	7.58	Aug. 10.....	7.18
Nov. 15.....	7.51	Apr. 15.....	7.48	Aug. 15.....	7.13
Nov. 20.....	7.52	Apr. 20.....	7.38	Aug. 20.....	7.15
Nov. 25.....	7.53	Apr. 25.....	7.27	Aug. 25.....	7.17
Nov. 30.....	7.57	Apr. 30.....	7.13	Aug. 31.....	7.21
Dec. 5.....	7.58	May 5.....	6.92	Sept. 5.....	7.26
Dec. 10.....	7.61	May 10.....	6.80	Sept. 10.....	7.30
Dec. 15.....	7.62	May 15.....	6.62	Sept. 15.....	7.35
Dec. 20.....	7.62	May 20.....	6.36	Sept. 20.....	7.42
Dec. 25.....	7.73	May 25.....	6.15	Sept. 25.....	7.45
Dec. 31.....	7.73	May 31.....	6.01	Sept. 30.....	7.52
Jan. 5, 1974.....	7.73	June 5.....	5.96	Oct. 2.....	7.53
Jan. 9.....	7.89	June 10.....	5.99	Sept. 25, 1975.....	3.12
Feb. 15.....	8.21	June 15.....	6.10	Sept. 30.....	3.27
Feb. 20.....	8.24	June 20.....	6.23	Oct. 5.....	3.38
Feb. 25.....	8.26	June 25.....	6.41	Oct. 10.....	3.50
Feb. 28.....	8.27	June 30.....	6.55	Oct. 15.....	3.55
Mar. 5.....	8.29	July 5.....	6.64	Oct. 20.....	3.63
Mar. 10.....	8.31	July 10.....	6.74	Oct. 25.....	3.41
Mar. 15.....	8.04	July 15.....	6.80	Oct. 31.....	3.41
Mar. 20.....	7.96	July 20.....	6.86	Nov. 5.....	3.51

Depth to water, in feet below or (+) above land surface

136-053-25AAA2, Continued

Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1975.....	3.61	July 15.....	5.34	Mar. 31.....	7.63
Nov. 15.....	3.62	July 20.....	5.46	Apr. 5.....	7.57
Nov. 20.....	3.50	July 25.....	5.59	Apr. 10.....	7.77
Nov. 25.....	3.69	July 31.....	5.75	Apr. 15.....	7.40
Nov. 30.....	3.81	Aug. 5.....	5.88	Apr. 20.....	7.34
Dec. 5.....	3.94	Aug. 10.....	6.00	Apr. 25.....	7.29
Dec. 10.....	3.98	Aug. 15.....	6.11	Apr. 30.....	7.24
Dec. 15.....	4.06	Aug. 20.....	6.23	May 5.....	7.23
Dec. 20.....	4.18	Aug. 25.....	6.35	May 10.....	7.22
Dec. 25.....	4.23	Aug. 31.....	6.48	May 15.....	7.21
Dec. 31.....	4.30	Sept. 5.....	6.58	May 20.....	7.20
Jan. 5, 1976.....	4.35	Sept. 10.....	6.68	May 25.....	7.21
Jan. 10.....	4.45	Sept. 15.....	6.77	May 31.....	7.24
Jan. 15.....	4.52	Sept. 20.....	6.85	June 5.....	7.23
Jan. 20.....	4.57	Sept. 25.....	6.93	June 10.....	7.24
Jan. 25.....	4.61	Sept. 30.....	7.00	June 15.....	7.32
Jan. 31.....	4.64	Oct. 5.....	7.06	June 20.....	7.36
Feb. 5.....	4.73	Oct. 10.....	7.11	June 25.....	7.40
Feb. 10.....	4.78	Oct. 15.....	7.17	June 30.....	7.49
Feb. 15.....	4.74	Oct. 20.....	7.21	July 5.....	7.58
Feb. 20.....	4.74	Oct. 25.....	7.26	July 10.....	7.66
Feb. 25.....	4.65	Oct. 31.....	7.30	July 15.....	7.74
Feb. 29.....	4.43	Nov. 5.....	7.35	July 20.....	7.81
Mar. 5.....	4.53	Nov. 10.....	7.39	July 25.....	7.88
Mar. 10.....	4.63	Nov. 15.....	7.42	July 31.....	7.94
Mar. 15.....	4.69	Nov. 20.....	7.46	Aug. 5.....	7.99
Mar. 20.....	4.47	Nov. 25.....	7.49	Aug. 10.....	8.03
Mar. 25.....	3.95	Nov. 30.....	7.53	Aug. 15.....	8.08
Mar. 31.....	3.98	Dec. 5.....	7.57	Aug. 20.....	8.12
Apr. 5.....	3.69	Dec. 10.....	7.60	Aug. 25.....	8.16
Apr. 10.....	3.36	Dec. 15.....	7.64	Aug. 31.....	8.18
Apr. 15.....	3.17	Dec. 20.....	7.68	Sept. 5.....	8.21
Apr. 20.....	3.07	Dec. 25.....	7.71	Sept. 10.....	8.24
Apr. 25.....	2.99	Dec. 31.....	7.75	Sept. 15.....	8.28
Apr. 30.....	2.99	Jan. 5, 1977.....	7.78	Sept. 20.....	8.31
May 5.....	3.28	Jan. 20.....	7.90	Sept. 25.....	8.31
May 10.....	3.46	Jan. 25.....	7.91	Sept. 30.....	8.22
May 15.....	3.66	Jan. 31.....	7.91	Oct. 5.....	8.13
May 20.....	3.84	Feb. 5.....	7.99	Oct. 10.....	8.02
May 25.....	3.99	Feb. 10.....	8.03	Oct. 15.....	7.89
May 31.....	4.15	Feb. 15.....	8.06	Oct. 20.....	7.78
June 5.....	4.33	Feb. 20.....	8.09	Oct. 25.....	7.72
June 10.....	4.51	Feb. 25.....	8.10	Oct. 31.....	7.67
June 15.....	4.67	Feb. 28.....	8.10	Nov. 5.....	7.65
June 20.....	4.76	Mar. 5.....	8.10	Nov. 10.....	7.63
June 25.....	4.89	Mar. 10.....	8.17	Nov. 15.....	7.63
June 30.....	5.00	Mar. 15.....	7.85	Nov. 20.....	7.62
July 5.....	5.12	Mar. 20.....	7.74	Nov. 25.....	7.59
July 10.....	5.24	Mar. 25.....	7.68	Dec. 5.....	7.59

Depth to water, in feet below or (+) above land surface

136-053-29AAA2 MP is top of 4-inch plastic pipe 1.20 ft above lsd.

Date	Water level	Date	Water level	Date	Water level
Dec. 4, 1973.....	10.57	Apr. 14.....	6.34	Feb. 9.....	11.99
Aug. 15, 1974.....	10.35	May 5.....	6.35	Mar. 16.....	11.67
Nov. 12.....	10.95	June 9.....	8.32	Apr. 13.....	11.03
June 24, 1975.....	7.56	July 8.....	9.22	May 11.....	10.65
July 18.....	6.80	Aug. 4.....	10.28	June 8.....	10.62
Sept. 10.....	6.14	Sept. 9.....	11.27	July 7.....	10.96
Oct. 8.....	6.90	Oct. 6.....	11.60	Aug. 3.....	11.43
Nov. 11.....	7.00	Nov. 4.....	11.71	Sept. 8.....	11.78
Dec. 3.....	7.64	Dec. 1.....	11.78	Oct. 6.....	11.35
Mar. 10, 1976.....	8.63	Jan. 19, 1977.....	11.93	Dec. 15.....	10.71

136-055-09AAA MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

Jan. 24, 1975.....	49.72	June 9.....	48.70	Apr. 13.....	49.00
June 24.....	48.55	July 8.....	48.84	May 11.....	48.99
July 18.....	46.83	Aug. 4.....	48.99	June 8.....	49.25
Sept. 10.....	48.10	Sept. 9.....	49.23	July 7.....	48.90
Oct. 8.....	48.21	Oct. 6.....	49.18	Aug. 3.....	49.17
Nov. 10.....	48.52	Nov. 4.....	49.09	Sept. 8.....	49.05
Dec. 3.....	48.52	Dec. 1.....	49.10	Oct. 6.....	49.10
Mar. 10, 1976.....	48.56	Jan. 19, 1977.....	49.02	Dec. 15.....	49.08
Apr. 14.....	48.36	Feb. 9.....	49.11		
May 5.....	48.54	Mar. 16.....	48.97		

136-055-17CCC2 MP is top of 1¼-inch plastic pipe 1.50 ft above lsd.

July 7, 1977.....	57.12	Sept. 8.....	57.03	Dec. 15.....	57.52
Aug. 3.....	57.18	Oct. 6.....	57.57		

136-055-21AAA2 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

July 7, 1977.....	37.77	Sept. 8.....	37.54	Dec. 15.....	37.94
Aug. 3.....	37.76	Oct. 6.....	38.43		

136-056-02DDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

May 13, 1975.....	0.74	June 9.....	+0.81	Apr. 13.....	+1.00
June 24.....	.66	July 8.....	+0.64	May 11.....	+0.94
July 18.....	.38	Aug. 4.....	+0.44	June 8.....	+0.95
Sept. 10.....	+0.92	Sept. 9.....	+0.19	July 7.....	+0.90
Oct. 8.....	+0.70	Oct. 6.....	+0.17	Aug. 3.....	+0.74
Nov. 10.....	+0.75	Nov. 4.....	+0.64	Sept. 8.....	+0.83
Apr. 14, 1976.....	+0.88	Dec. 1.....	+0.65	Oct. 6.....	+0.83
May 5.....	+0.93	Mar. 16, 1977.....	+0.98		

Depth to water, in feet below or (+) above land surface

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136-058-33CDD MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

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	Date	Water level		Date	Water level		Date	Water level
June	30, 1977.....	15.15	Sept.	8.....	15.65	Oct.	6.....	15.68
Aug.	3.....	15.21						

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136-058-35DAD3 MP is top of 1¼-inch plastic pipe 2.00 ft above lsd.

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Sept.	8, 1977.....	13.66	Oct.	6.....	13.36	Dec.	15.....	12.92
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TABLE 3.—Logs of wells and test holes

Depths are shown in feet below land surface.

Potential given in millivolts (mV).

Electric logs are uncalibrated.

Resistance in ohms.

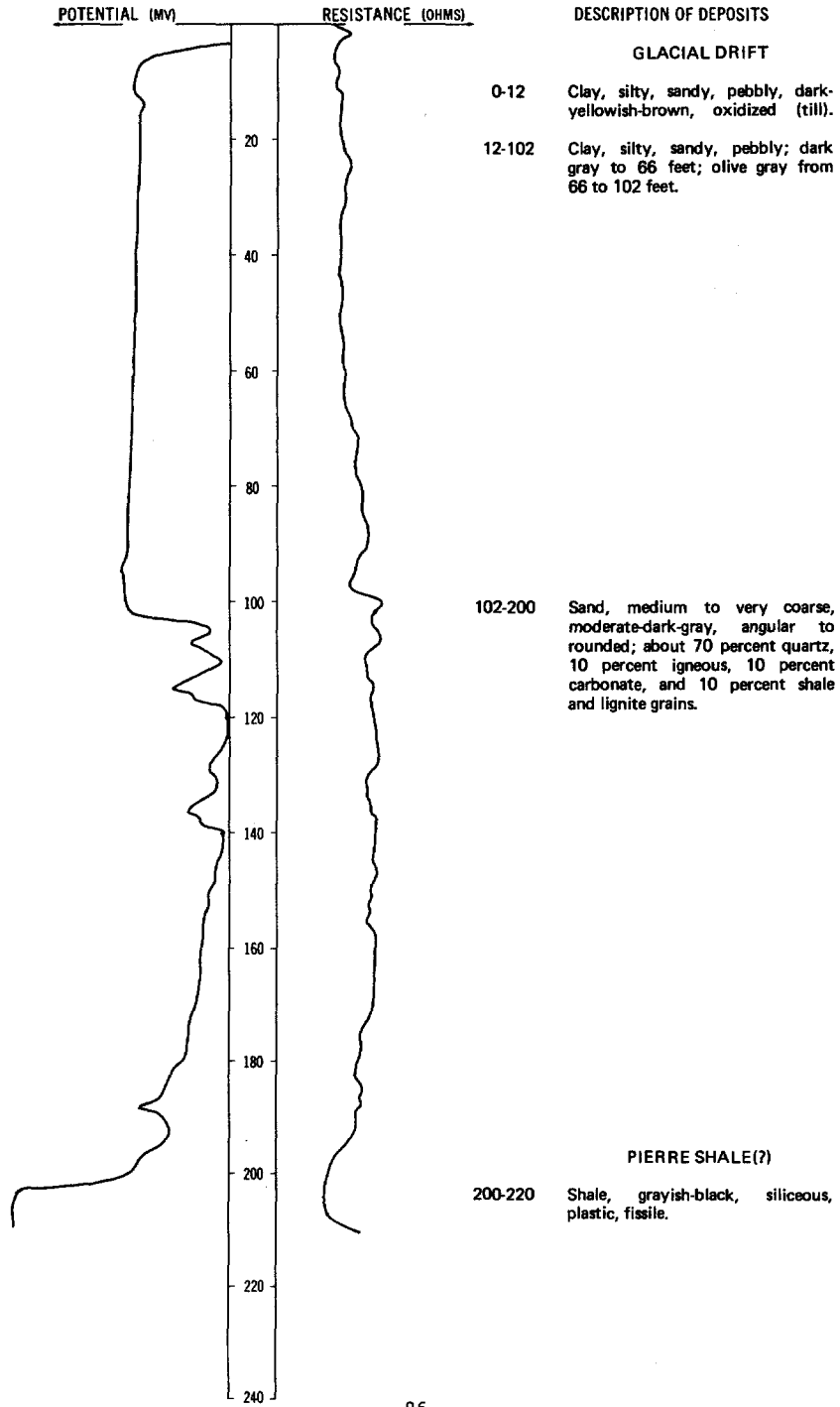
Gamma logs are uncalibrated.

LOCATION: 129-053-07BBA1

DATE DRILLED: 12/05/74

ALTITUDE: 1168  
(FT, NGVD)

DEPTH: 220  
(FT)



129-053-078BA2  
(Log from Wieber Well Drilling)

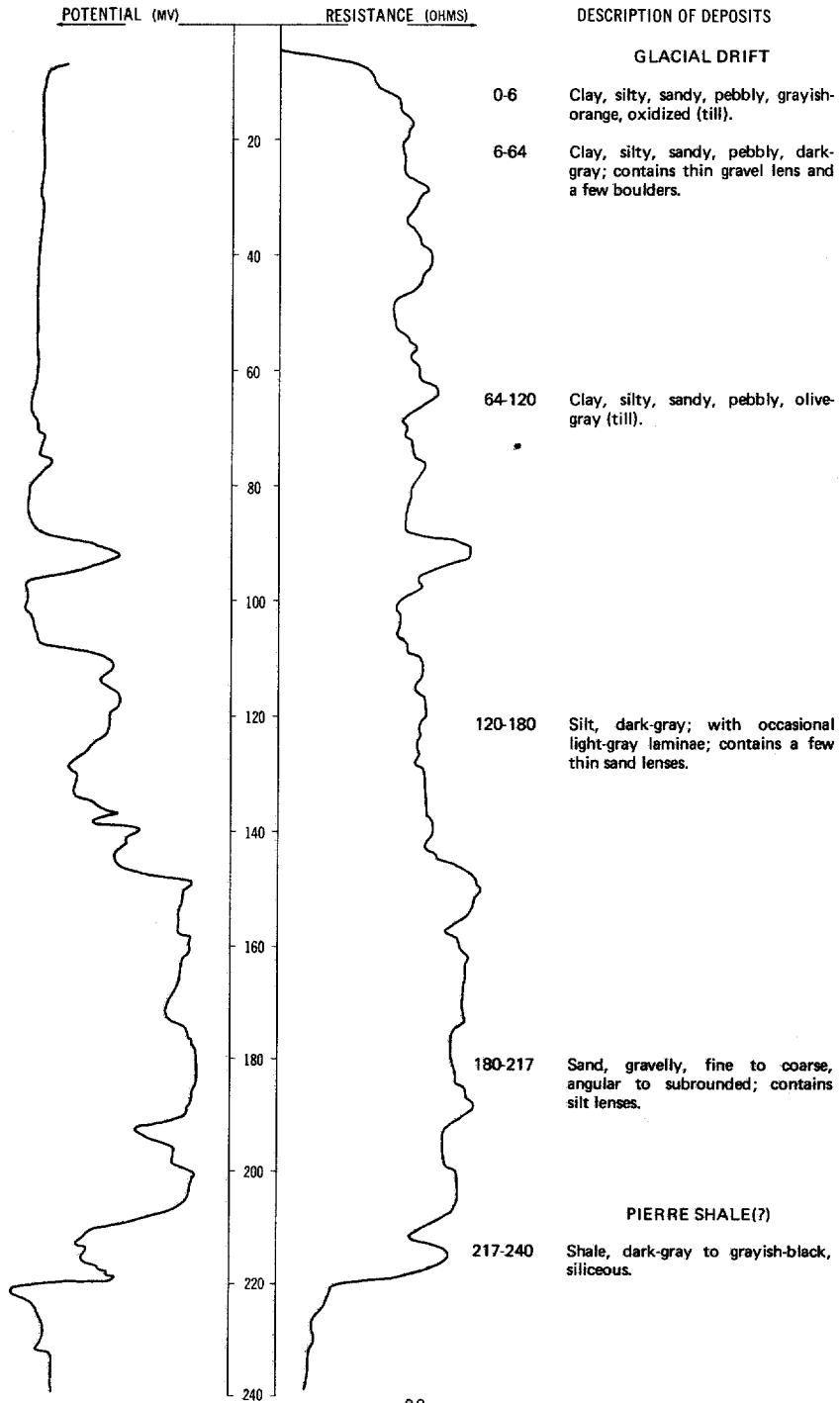
Date drilled: 8/20/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	2	2
	Clay, yellow-----	18	20
	Clay, bluish-gray-----	20	40
	Clay, sandy-----	10	50
	Clay, blue-----	30	80
	Sand, fine, and blue clay-----	30	110
	Sand, fine-----	15	125
	Sand, coarse-----	9	134



LOCATION: 129-053-09AAA1  
ALTITUDE: 1169  
(FT, NGVD)

DATE DRILLED: 12/05/74  
DEPTH: 240  
(FT)



129-053-09AAA2  
(Log from Falk Bros. Well Drilling)

Date drilled: 9/24/73

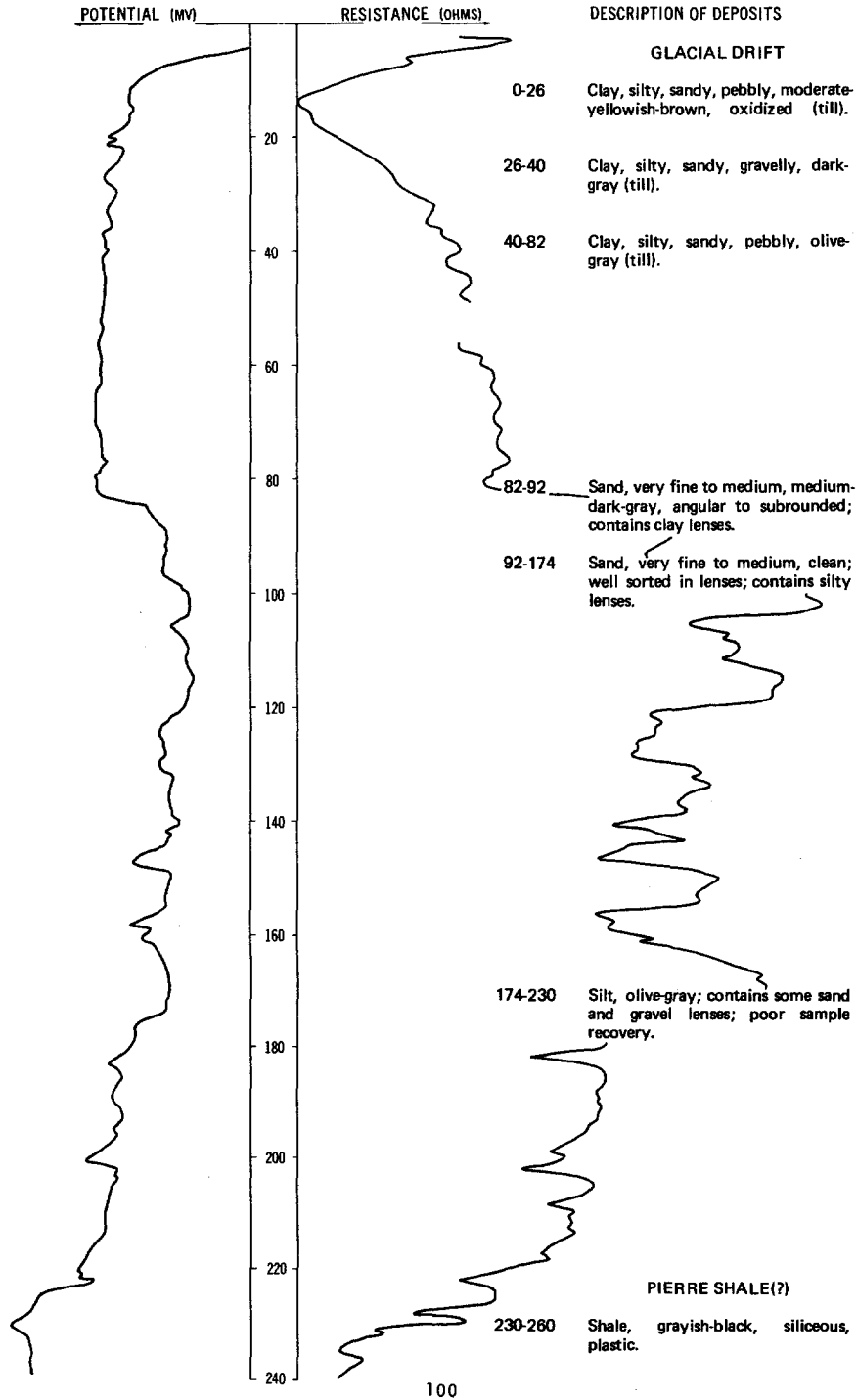
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow.....	28	28
	Shale.....	74	102
	Sand.....	33	135

LOCATION: 129-053-11AAA

DATE DRILLED: 12/06/74

ALTITUDE: 1170  
(FT, NGVD)

DEPTH: 260  
(FT)



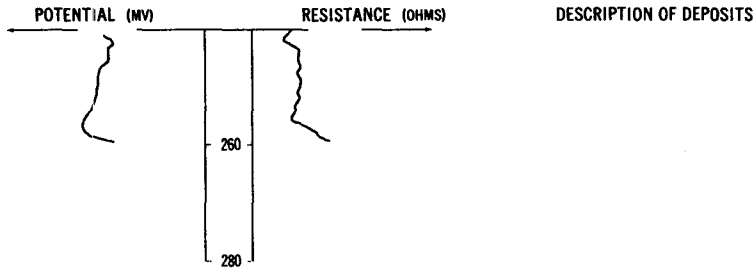
NDSWC 9250, Continued

LOCATION: 129-053-11AAA

DATE DRILLED: 12/06/74

ALTITUDE: 1170  
(FT, NGVD)

DEPTH: 260  
(FT)



129-053-13ABC2  
(Log modified from Wieber Well Drilling)

Date drilled: 5/15/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, black	1.5	1.5
	Clay, yellow	13.5	15
	Clay, yellow; with rock	15	30
	Clay, yellow; sand; mixed	5	35
	Clay, blue or gray	55	90
	Sand	8	98

129-053-13CCA  
(Log modified from Wieber Well Drilling)

Date drilled: 9/18/76

	Topsoil	2	2
	Clay, yellow	28	30
	Clay, blue	30	60
	Sand	5	65
	Clay, blue	55	120
	Sand	5	125

129-053-19CCD  
(Log modified from Falk Bros. Well Drilling)

Date drilled: 11/27/73

	Clay, yellow	28	28
	Shale	96	124
	Sand to 3/4-inch gravel	26	150

129-053-21AAC  
(Log modified from Wieber Well Drilling)

		Date drilled: 10/30/74	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, yellow; with gravel layers-----	29	30
	Sand and clay, red-----	30	60
	Sand, coarse, and gravel-----	20	80
	Clay; with sand and gravel layers-----	20	100
	Sand, medium; very good water bearing-----	6	106

129-054-13AAA  
(Log from John M. Manikowski)

		Date drilled: 5/20/77	
	Black dirt-----	1	1
	Clay, yellow-----	39	40
	Clay, blue-----	32	72
	Sand, water-bearing-----	12	84

129-054-29CCC  
NDSWC 9244

Altitude: 1520 feet		Date drilled: 12/03/74	
Glacial drift:	Clay, silty, sandy, pebbly, dark-yellowish-brown (till)-----	12	12
	Clay, silty, sandy, pebbly, dark-gray (till)-----	3	15
Pierre Shale:	Shale, grayish-black, locally bentonitic, brittle-----	25	40

129-055-03CDC  
(Log from Green Circle Supply Co.)

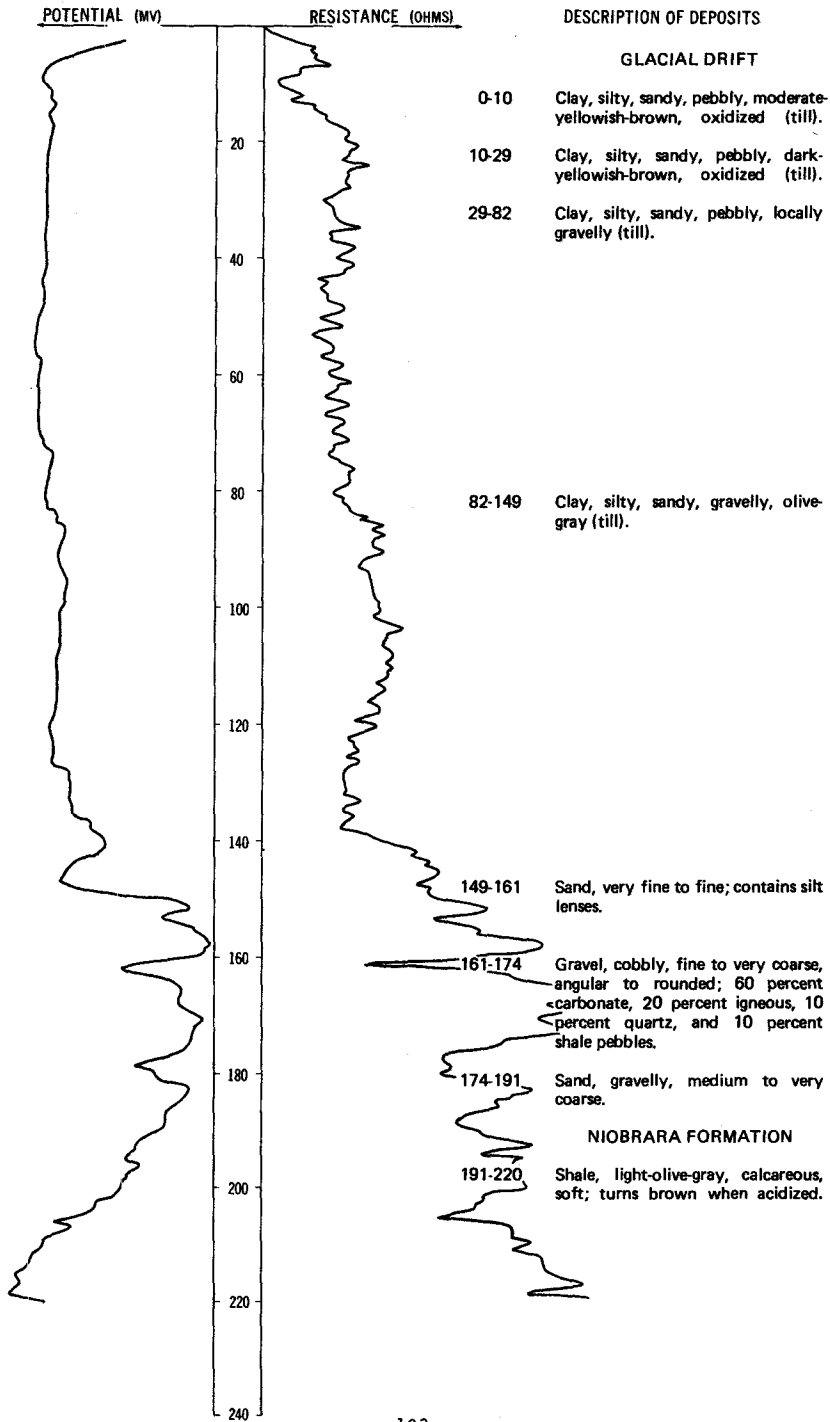
		Date drilled: 2/01/77	
	Topsoil-----	1	1
	Clay, brown-----	16	17
	Clay, gravelly, gray-----	50	67
	Gravel, medium, oxidized-----	48	115
	Sand, clayey, fine, gray-----	9	124
	Sand, fine, clean-----	2	126
	Clay, gray, hard-----	54	180

LOCATION: 129-055-07CCC

DATE DRILLED: 11/27/74

ALTITUDE: 1272  
(FT, NGVD)

DEPTH: 220  
(FT)



129-055-09DCB  
(Log from Wieber Well Drilling)

Date drilled: 7/01/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	3	3
	Clay, yellow, and a few stones-----	7	10
	Clay, yellow-----	20	30
	Clay, bluish; fine sand veins mixed in-----	40	70
	Sand, fine, gray-----	20	90
	Sand, fine, gray; water sand (very poor)-----	10	100
	Clay, blue; mixed with water sand-----	20	120
	Sand, fine; blue clay mixed in-----	15	135
	Sand, fairly good; best from 145 to 154 feet-----	19	154

129-055-10CDA  
(Log from Green Circle Supply Co.)

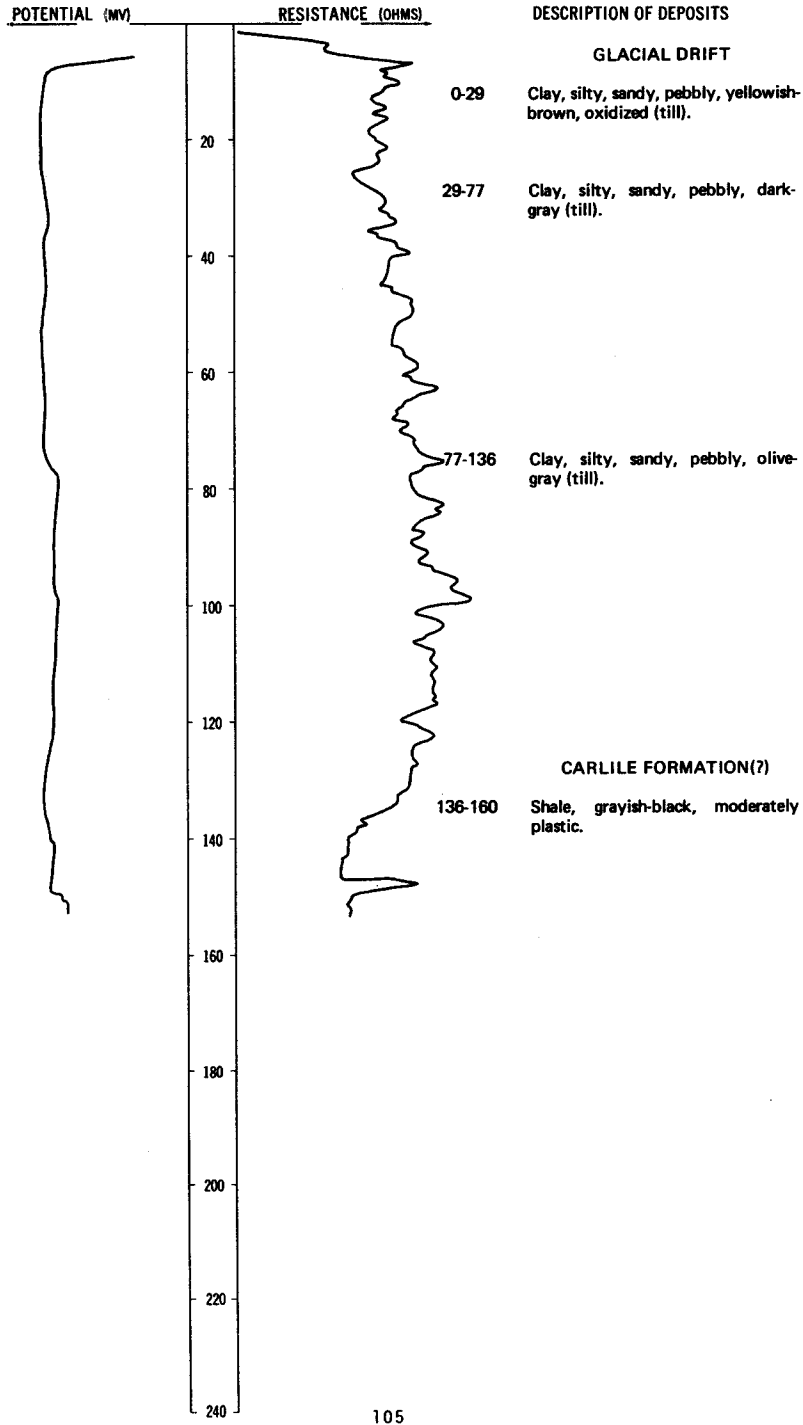
Date drilled: 2/01/77

	Topsoil-----	1	1
	Clay, brown-----	17	18
	Clay, soft, gray-----	89	107
	Gravel, coarse, cemented-----	7	114
	Clay, hard, gray-----	7	121
	Sand, fine, cemented-----	7	128
	Clay, hard-----	28	156
	Gravel, coarse, clean-----	11	167
	Clay, hard-----	1	168
	Sand, cemented-----	3	171
	Clay, gravelly, hard-----	4	175
	Sand, cemented-----	5	180
	Clay, hard-----	2	182
	Sand, cemented; with clay lens-----	15	197

NDSWC 9245

LOCATION: 129-055-13AAA  
ALTITUDE: 1206  
(FT, NGVD)

DATE DRILLED: 12/03/74  
DEPTH: 160  
(FT)





129-055-15BBB  
NDSWC 9241

Altitude:	1245 feet	Date drilled:	12/03/74
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Clay, silty, sandy, pebbly, dark-yellowish-brown, oxidized (till)-----	39	39
	Clay, silty, sandy, pebbly, dark-gray (till)-----	4	43
	Clay, silty, sandy, pebbly, dark-yellowish-brown, oxidized (till)-----	4	47
	Sand, medium to very coarse, angular to subrounded; contains some silt-----	6	53
	Clay, silty, sandy, pebbly, olive-gray (till)-----	99	152
	Gravel, sandy, fine to coarse, angular to subrounded; contains about 10 percent olive-gray calcareous shale fragments-----	4	156
Niobrara Formation:			
	Shale, light-olive-gray, calcareous; contains white specks; turns brown when acidized-----	24	180

129-055-18BCC  
(Log from John M. Manikowski)

		Date drilled:	7/14/76
	Topsoil, black-----	1	1
	Clay, yellow-----	36	37
	Clay, blue-----	85	122
	Gravel and clay-----	8	130
	Clay, blue-----	16	146
	Sand, fine-----	5	151
	Sand and clay-----	11	162
	Sand, coarse-----	10	172

129-055-22BAA  
(Log from Wieber Well Drilling)

		Date drilled:	8/20/73
	Dirt, black-----	2	2
	Clay, yellow; small stones-----	18	20
	Clay, yellow; gravel strips-----	15	35
	Clay, blue-----	55	90
	Sand, fine, very dirty-----	10	100
	Clay, blue; with strip of sand-----	25	125
	Sand, red, water-----	10	135

129-055-25DBC  
(Log from Wieber Well Drilling)

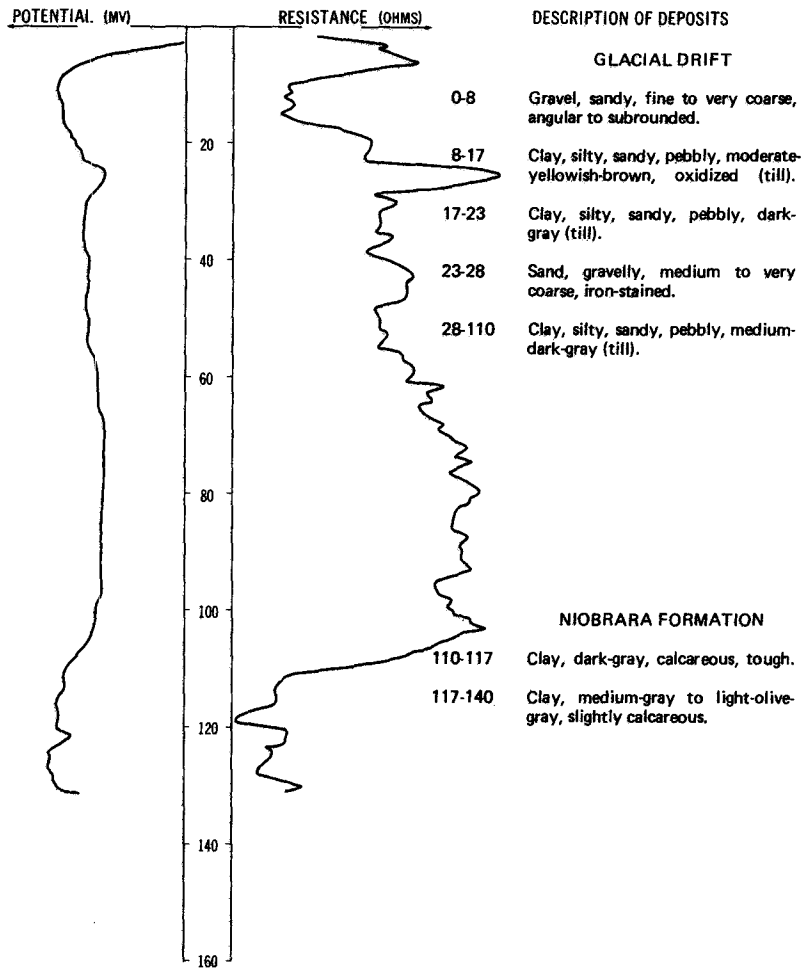
		Date drilled:	7/01/76
	Topsoil-----	2	2
	Clay, pebbly, yellow-----	20	22
	Clay, blue-----	13	35
	Sand, medium-----	15	50

LOCATION: 129-055-25DDD

DATE DRILLED: 12/03/74

ALTITUDE: 1402  
(FT, NGVD)

DEPTH: 140  
(FT)



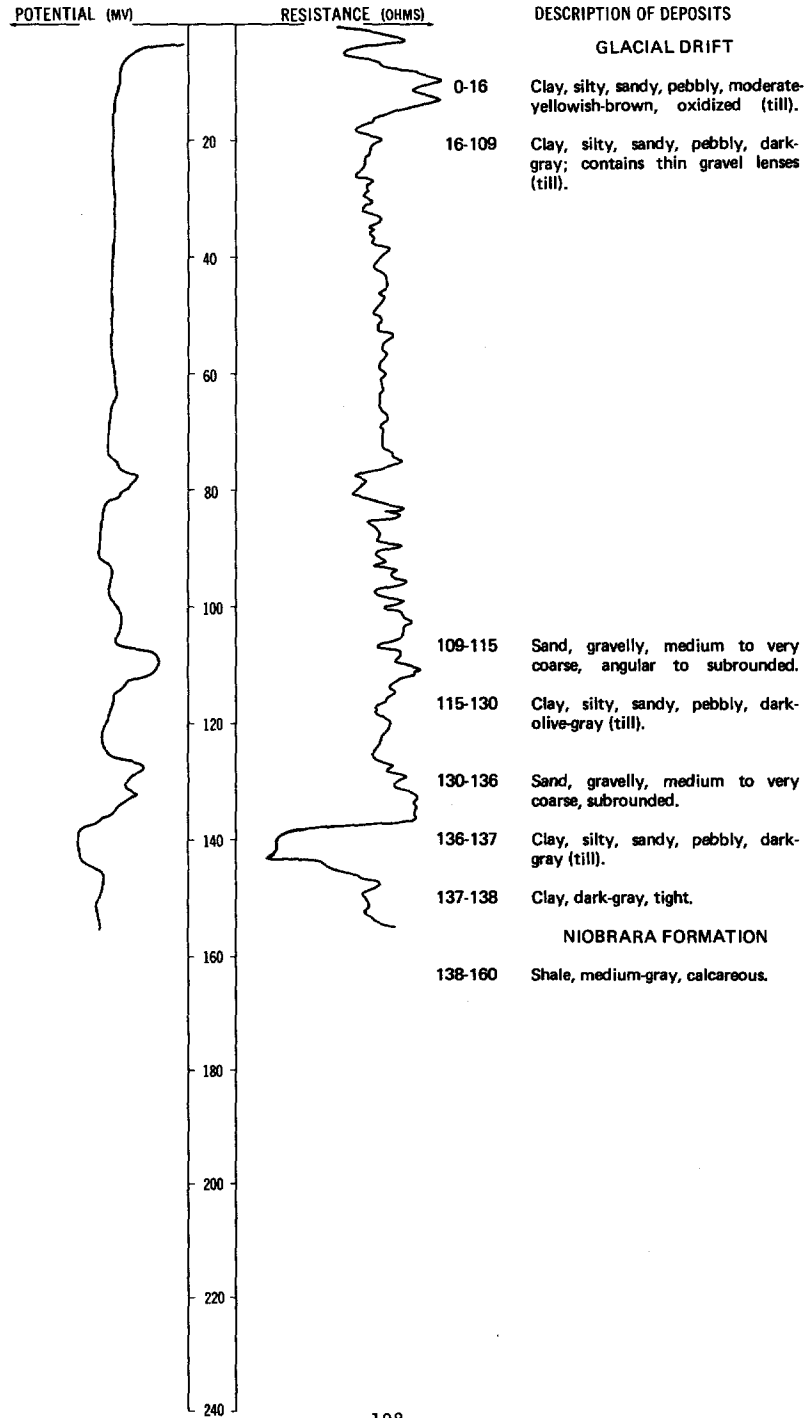
129-055-29CCC  
(Log from Wieber Well Drilling)

Date drilled: 3/06/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, black	2	2
	Clay, yellow	38	40
	Clay and coarse sand layers	10	50
	Clay, blue	60	110
	Sand, fine	10	120
	Clay, blue	25	145
	Sand, fine, dirty	10	155
	Sand, coarse, water-bearing	15	170

LOCATION: 129-055-29DDD  
ALTITUDE: 1276  
(FT. NGVD)

DATE DRILLED: 12/03/74  
DEPTH: 160  
(FT)



129-055-30ACC  
(Log from Wieber Well Drilling)

Date drilled: 3/18/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil.....	2	2
	Clay, yellow.....	18	20
	Sand and gravel.....	10	30
	Sand and clay; mixed.....	20	50
	Clay, blue.....	60	110
	Clay, blue; sand mixed in.....	20	130
	Sand, fine, and large rocks.....	20	150
	Sand, very fine, gray, water.....	10	160
	Clay, blue, and sand strips.....	12	172
	Sand, medium, uniform.....	15	187

129-055-31AAC  
(Log from John M. Manikowski)

Date drilled: 12/27/74

	Topsoil, black.....	1	1
	Clay, yellow.....	18	19
	Clay, blue.....	91	110
	Gravel and clay.....	8	118
	Clay, blue.....	6	124
	Sand, fine, clayey.....	5	129
	Clay, blue.....	3	132
	Clay, gravelly, blue.....	13	145
	Sand, medium to coarse.....	12	157

129-056-05AAA  
(Log from Vrchota Well Drilling)

Date drilled: 7/16/74

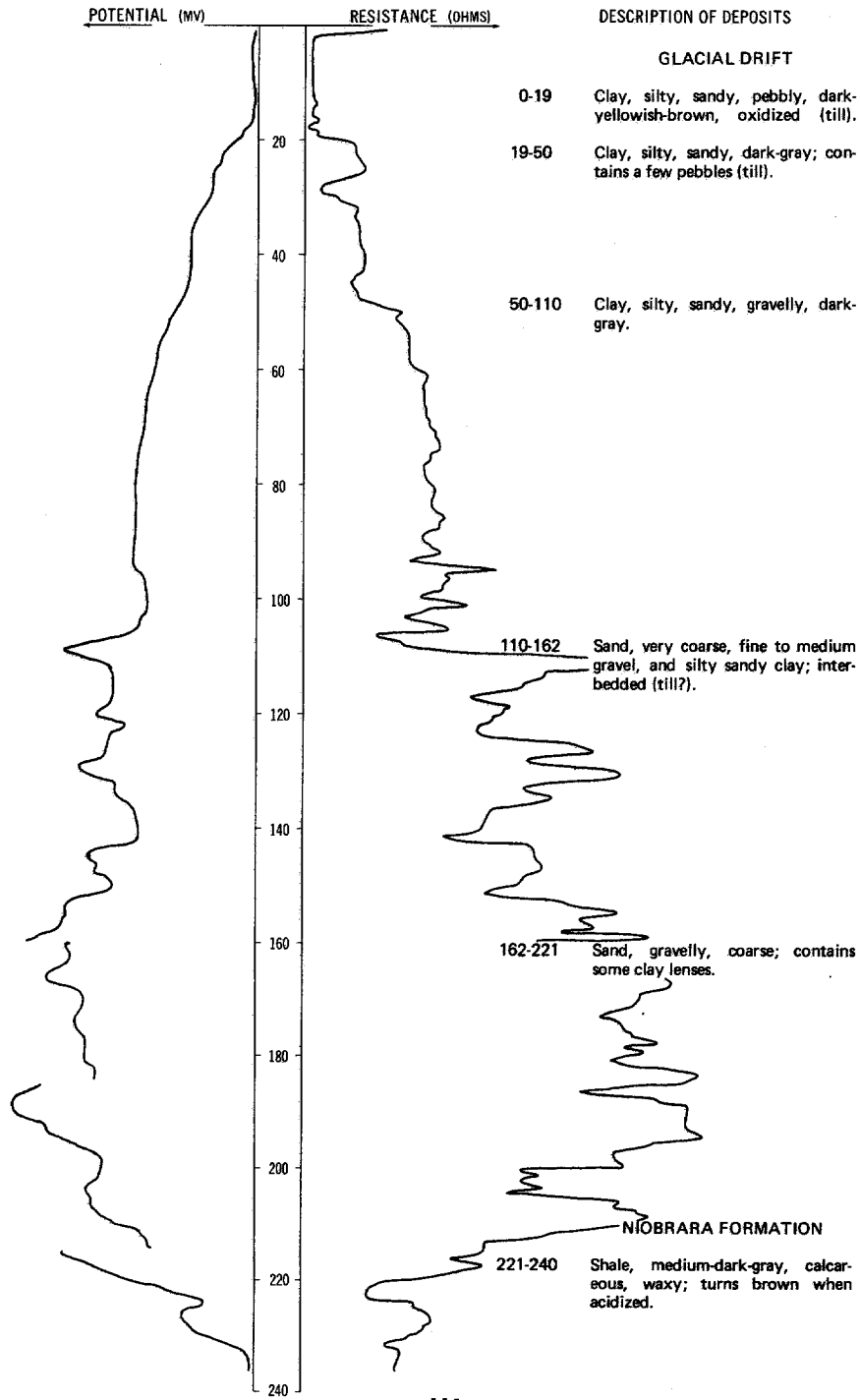
	Dirt, black.....	1	1
	Clay, yellow.....	4	5
	Sand.....	2	7
	Clay, yellow.....	22	29
	Clay, bluish-gray.....	75	104
	Clay, sandy, gray.....	29	133
	Sand, coarse, blue.....	7	140
	Sand, clayey.....	61	201
	Sand, coarse, yellow.....	16	217
	Clay, bluish-gray.....	---	217

LOCATION: 129-066-05CCC

DATE DRILLED: 10/08/75

ALTITUDE: 1285  
(FT, NGVD)

DEPTH: 240  
(FT)



129-056-08DAA  
(Log from John M. Manikowski)

Date drilled: 8/12/74

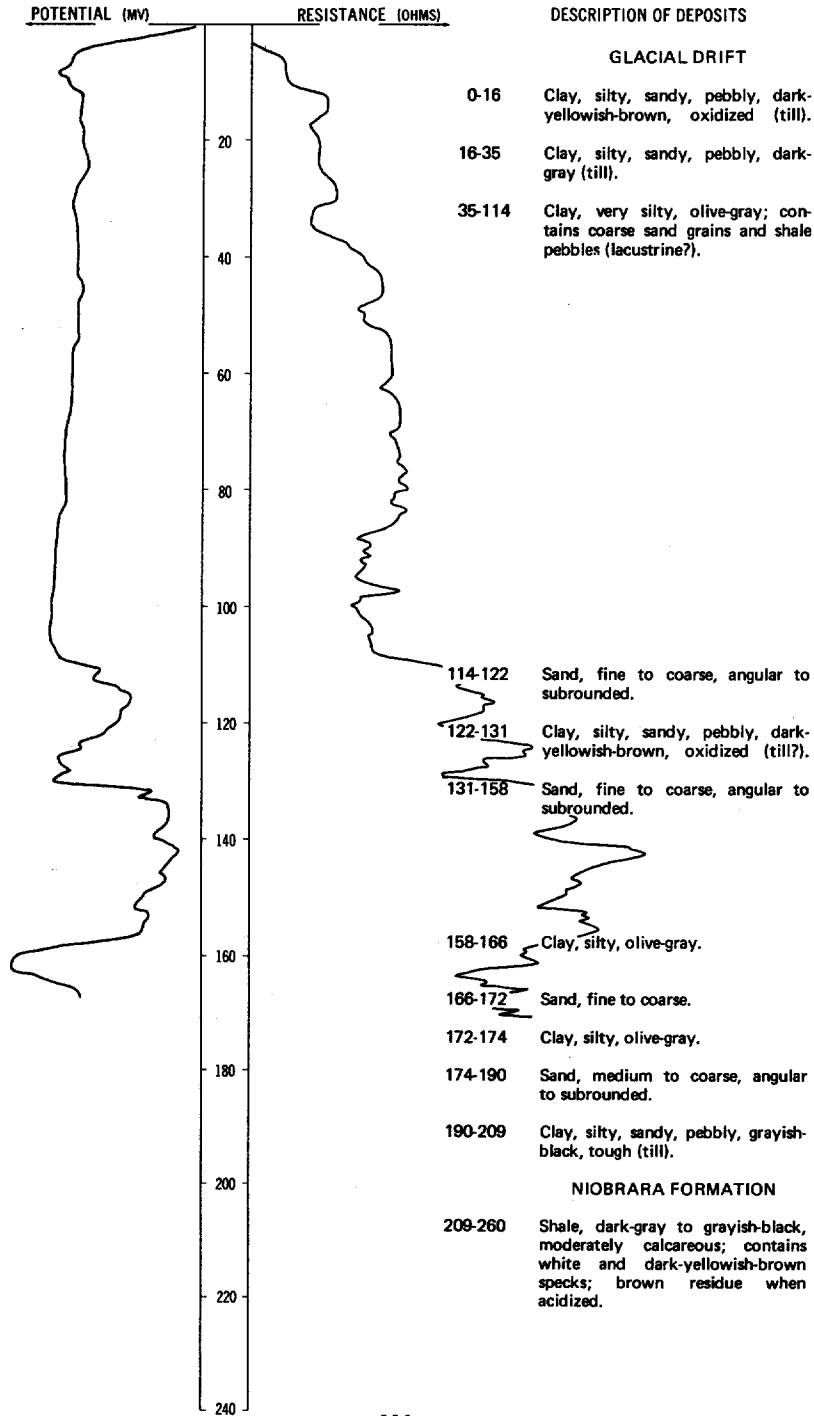
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	1	1
	Clay, gravelly, yellow-----	32	33
	Clay, blue-----	36	69
	Sand and gravel, clayey-----	4	73
	Clay, blue-----	26	99
	Clay, sandy, blue-----	5	104
	Sand, medium to coarse-----	8	112

LOCATION: 129-056-09DDD

DATE DRILLED: 11/27/74

ALTITUDE: 1270  
(FT, NGVD)

DEPTH: 260  
(FT)



129-056-15DAA  
(Log from Vrchota Well Drilling)

Date drilled: 6/14/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	1	1
	Clay, yellow	54	55
	Clay, blue	84	139
	Sand	2	141
	Clay, blue	7	148
	Shale, rolled	2	150
	Clay, blue	9	159
	Sand and blue clay; mixed	4	163
	Clay, blue	4	167
	Shale, rolled	5	172
	Clay, blue	11	183
	Shale, rolled	4	187
	Clay, blue	7	194
	Sand, coarse	2	196
	Clay, blue	3	199
	Shale, rolled	21	220

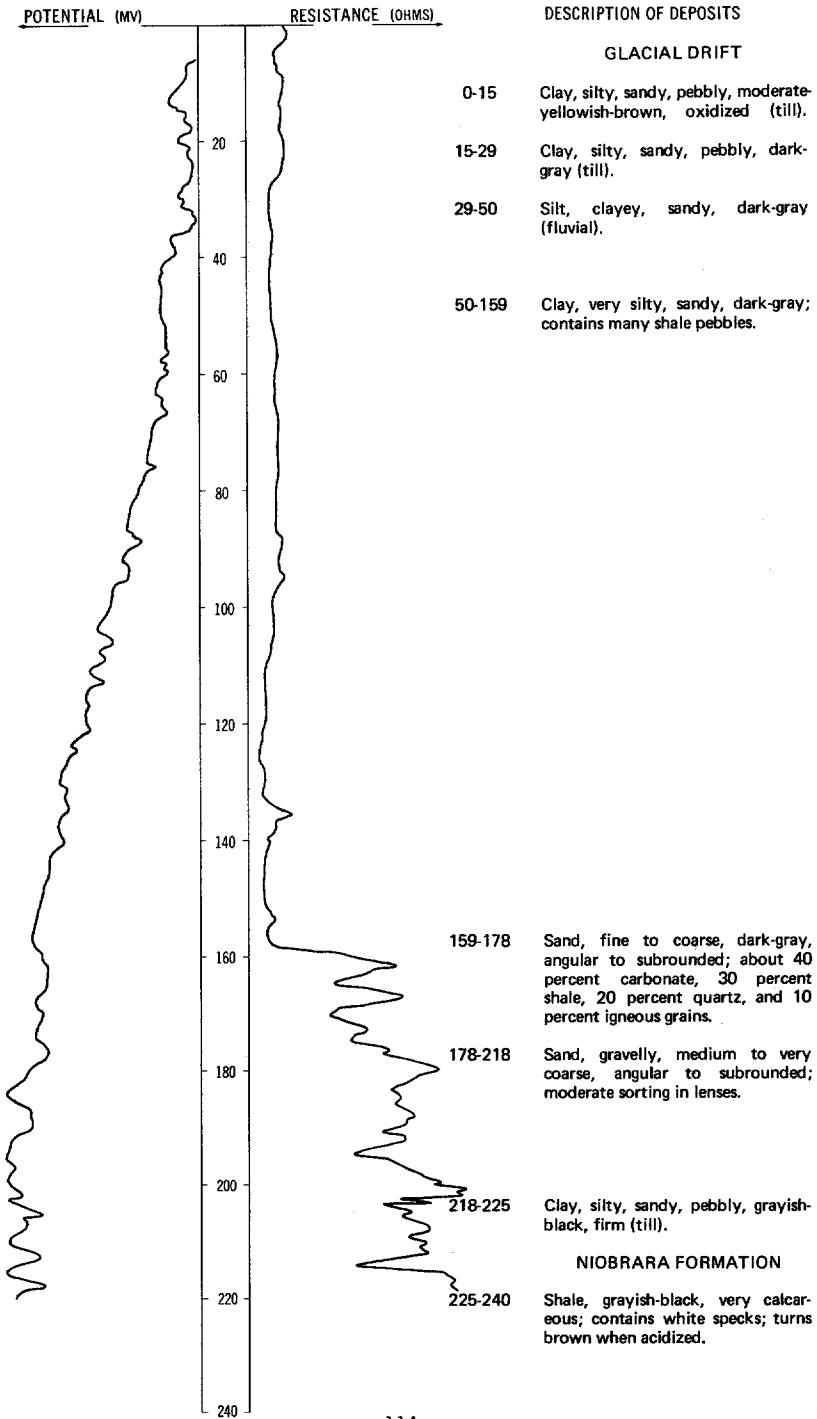


LOCATION: 129-056-178BB

DATE DRILLED: 11/26/74

ALTITUDE: 1280  
(FT, NGVD)

DEPTH: 240  
(FT)



129-056-27ACC  
(Log from John M. Manikowski)

Date drilled: 11/26/75

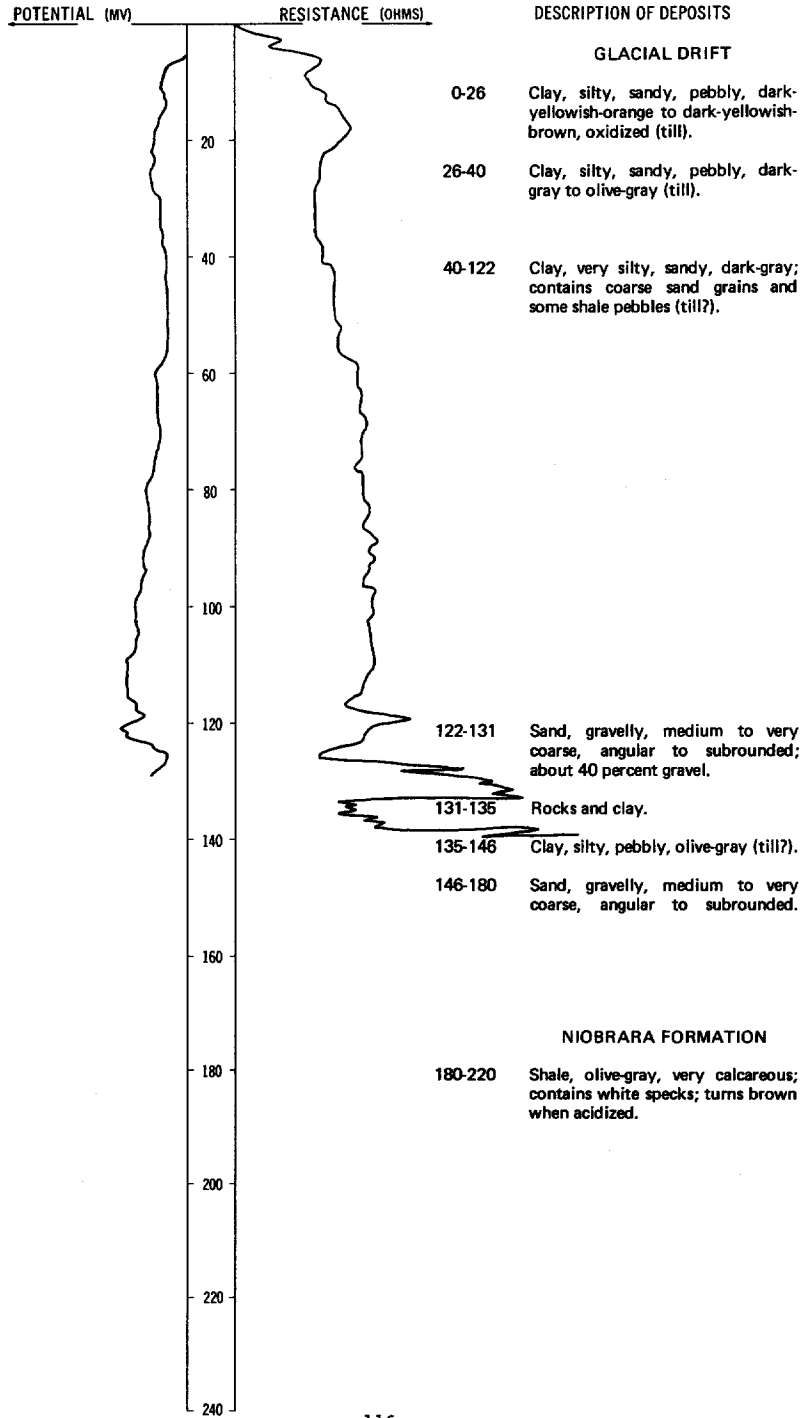
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	1	1
	Clay, yellow-----	28	29
	Clay, blue-----	51	80
	Clay, gravelly, blue-----	28	108
	Clay, soft, blue-----	3	111
	Sand-----	10	121

LOCATION: 129-056-28CCC

DATE DRILLED: 11/26/74

ALTITUDE: 1278  
(FT, NGVD)

DEPTH: 220  
(FT)



129-056-29CBB  
(Log from John M. Manikowski)

Date drilled: 11/17/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	1	1
	Clay, sandy, yellow	11	12
	Clay, yellow	18	30
	Clay, blue	110	140
	Clay, gravelly, blue	12	152
	Clay, soft, blue	5	157
	Sand	6	163

129-057-04ABA  
(Log from Independent Drilling Co.)

Date drilled: 5/11/73

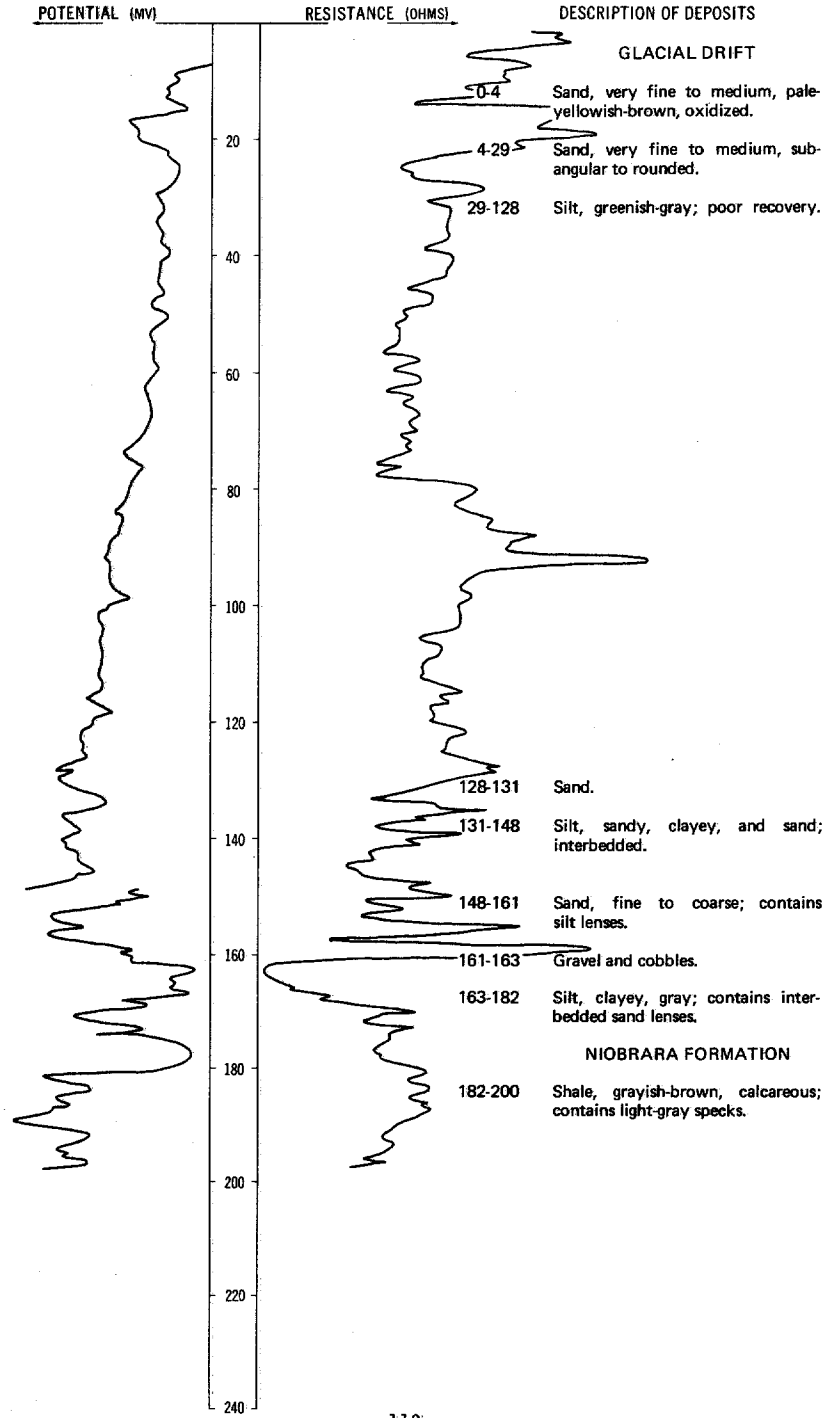
Greenhorn Formation (top):			485
Dakota Sandstone (top):		105	875 980

LOCATION: 129-057-07AAC1

DATE DRILLED: 10/04/77

ALTITUDE: 1295  
(FT, NGVD)

DEPTH: 200  
(FT)



129-057-07AAC2  
NDSWC 9991A

Altitude:	1295 feet	Date drilled:	10/04/77
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Sand, fine, brown-----	4	4
	Sand, fine, gray-----	25	29
	Silt, sandy, clayey, gray-----	11	40

129-057-07AAC3  
NDSWC 9996

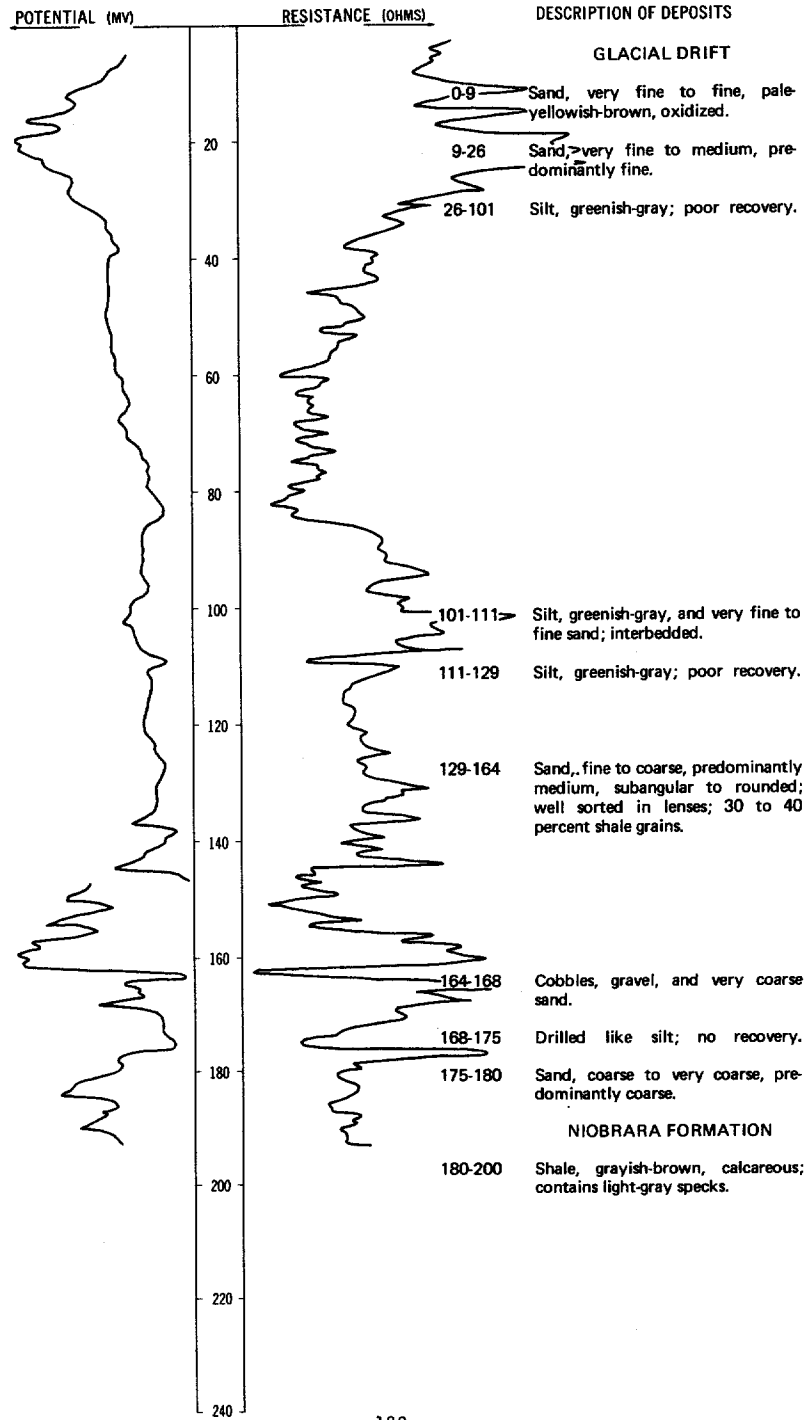
Altitude:	1295 feet	Date drilled:	10/05/77
Glacial drift:			
	Sand, very fine to medium, dark-yellowish-orange, oxidized-----	4	4
	Sand, very fine to medium, predominantly medium, gray-----	25	29
	Silt, clayey, greenish-gray-----	40	69

129-057-07AAC4  
NDSWC 9997

Altitude:	1295 feet	Date drilled:	10/07/77
Glacial drift:			
	Sand, very fine to medium, dark-yellowish-orange, oxidized-----	4	4
	Sand, very fine to medium, predominantly medium, gray-----	25	29
	Silt, clayey, greenish-gray-----	80	109

LOCATION: 129-057-07AAC5  
ALTITUDE: 1300  
(FT, NGVD)

DATE DRILLED: 10/05/77  
DEPTH: 200  
(FT)



129-057-07AAC6  
NDSWC 9992A

Altitude: 1300 feet

Date drilled: 10/05/77

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Sand, brown, and silty brown clay; oxidized-----	4	4
	Sand, fine, brown, oxidized-----	5	9
	Sand, fine, gray-----	17	26
	Silt, clayey, gray-----	4	30

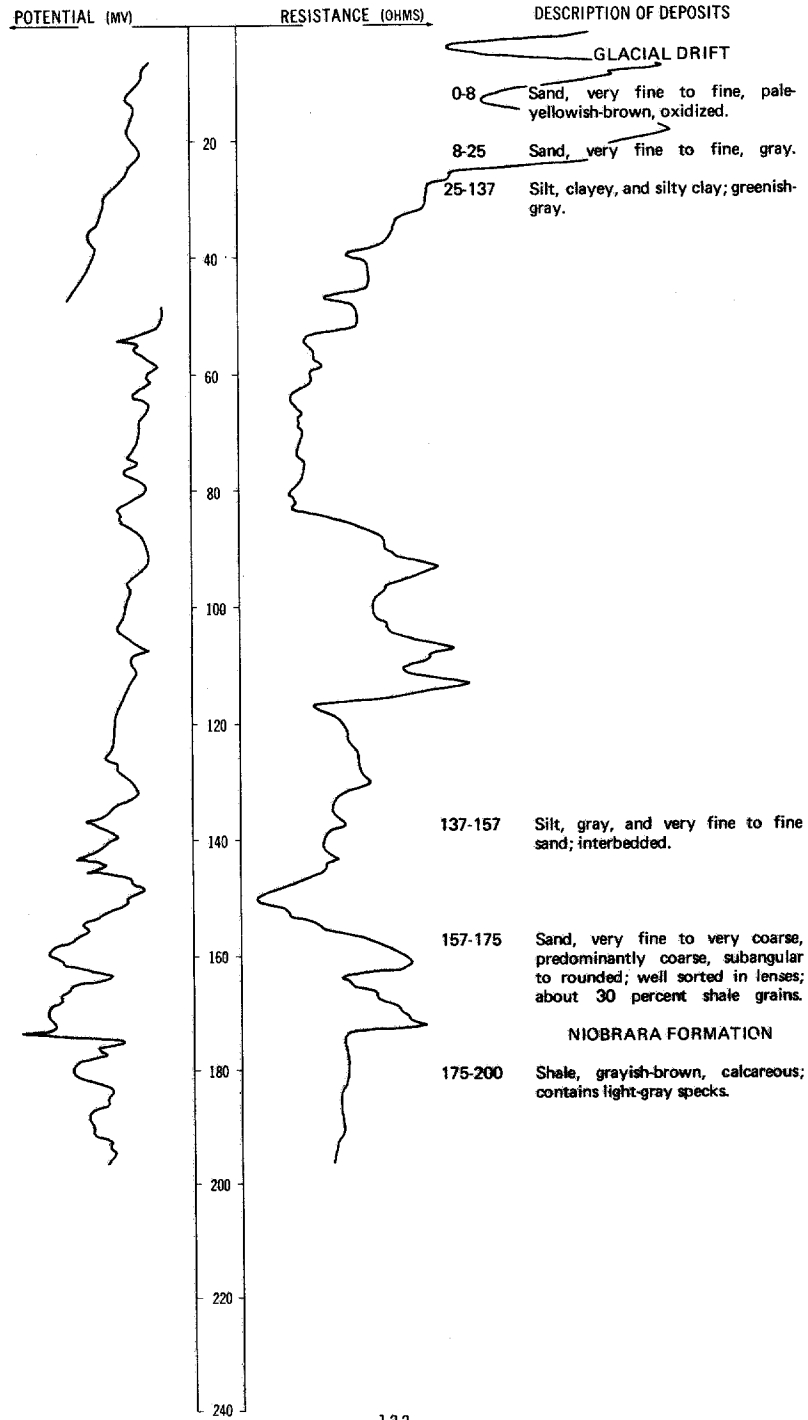


LOCATION: 129-057-07AAD1

DATE DRILLED: 10/05/77

ALTITUDE: 1300  
(FT, NGVD)

DEPTH: 200  
(FT)

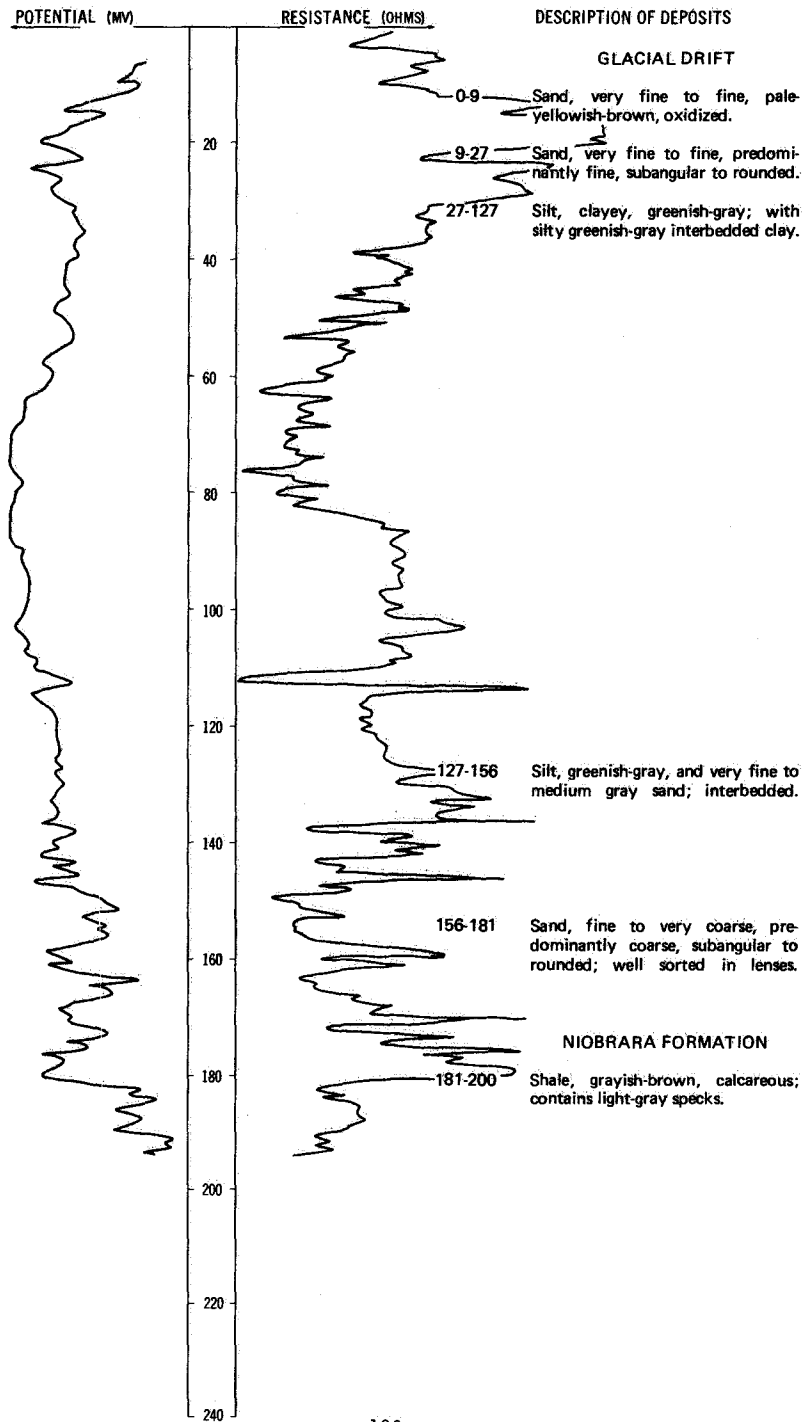


LOCATION: 129-057-07AAD2

DATE DRILLED: 10/05/77

ALTITUDE: 1300  
(FT, NGVD)

DEPTH: 200  
(FT)

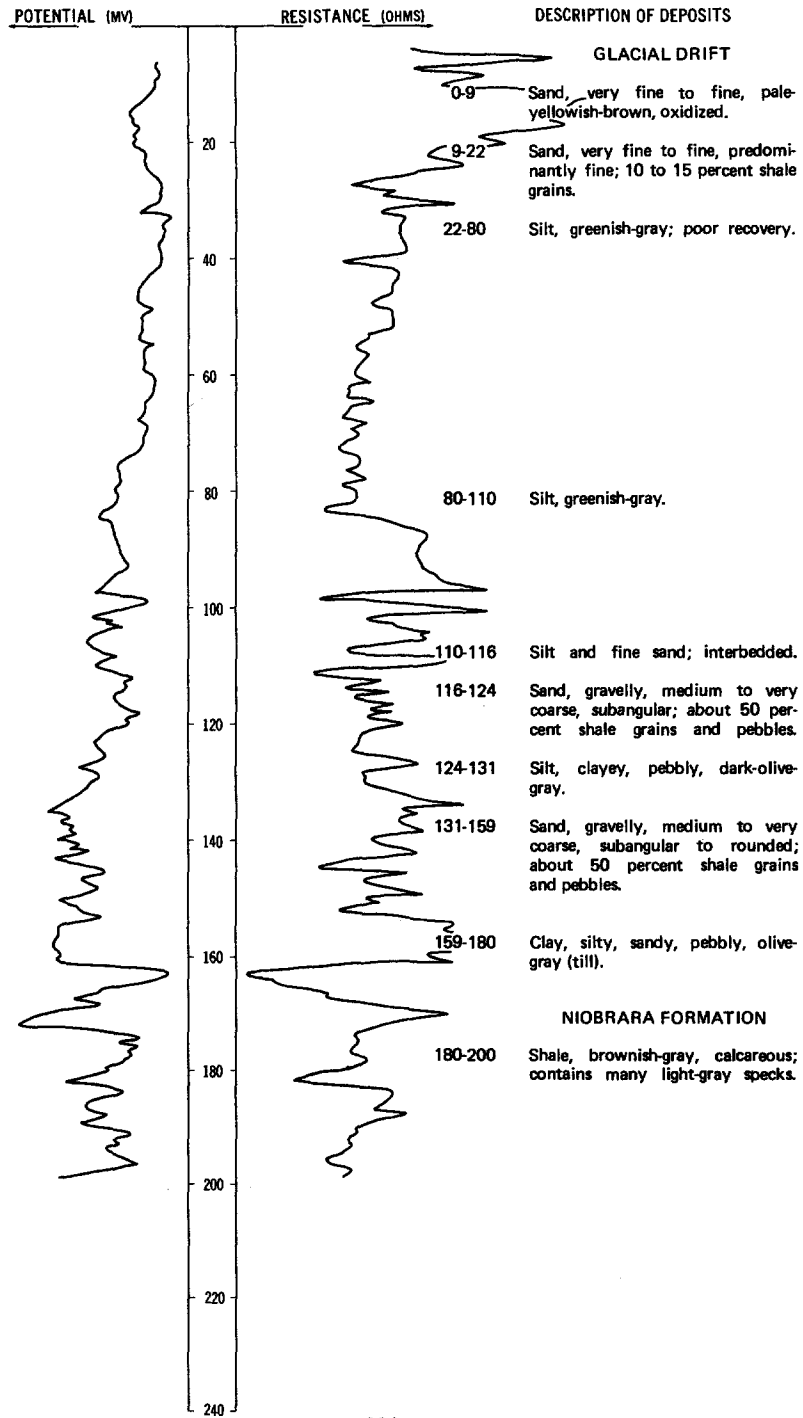


LOCATION: 129-067-07ACA1

DATE DRILLED: 10/04/77

ALTITUDE: 1295  
(FT, NGVD)

DEPTH: 200  
(FT)



129-057-07ACA2  
NDSWC 9995

Altitude:	1300 feet	Date drilled:	10/05/77
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Sand, very fine to fine, pale-yellowish-brown, well-sorted, oxidized	9	9
	Sand, very fine to fine, gray	14	23
	Silt, greenish-gray	17	40

129-057-07ACA3  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	5/18/75
	Topsoil	2	2
	Sand, fine	28	30
	Clay, silty	100	130
	Sand; shale pebbles	28	158
Pierre Shale(?):	Shale, gray	8	166

129-057-07ACA4  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	8/18/75
	Topsoil	2	2
	Sand, fine	28	30
	Clay, silty	100	130
	Sand, medium	23	153
	Shale	---	153

129-057-07BBB  
(Log modified from U.S. Bureau of Reclamation)  
USBR Oakes-52

Altitude:	1298 feet	Date drilled:	3/11/52
<b>GEOLOGIC SOURCE</b>	<b>MATERIAL</b>	<b>THICKNESS (FEET)</b>	<b>DEPTH (FEET)</b>
	Topsoil, dark-brown, silty; peaty sand, silty-----	3	3
	Sand, gray, fine, fairly clean, well-compacted, uncemented, poorly graded; iron stained from 3 to 14 feet-----	22	25
	Sand, gray, fine, silty; small proportion of clay; compacted; clayey-----	10	35
	Clay, gray; varying proportions of fine sand and silt; plastic to very plastic; excellent varving in sandy portions-----	75	110
	Sand, brown, medium; small proportion of clay; uncemented; poorly graded; clayey-----	5	115
	Clay (till), silty, sandy, gravelly; with a few cobbles and boulders-----	51	166
	Sand, gray, silty, compacted-----	35	201
Pierre Shale:	Shale, gray, silty; plastic when saturated-----	20	221

129-057-08BAA  
(Log modified from U.S. Bureau of Reclamation)  
USBR Oakes-53

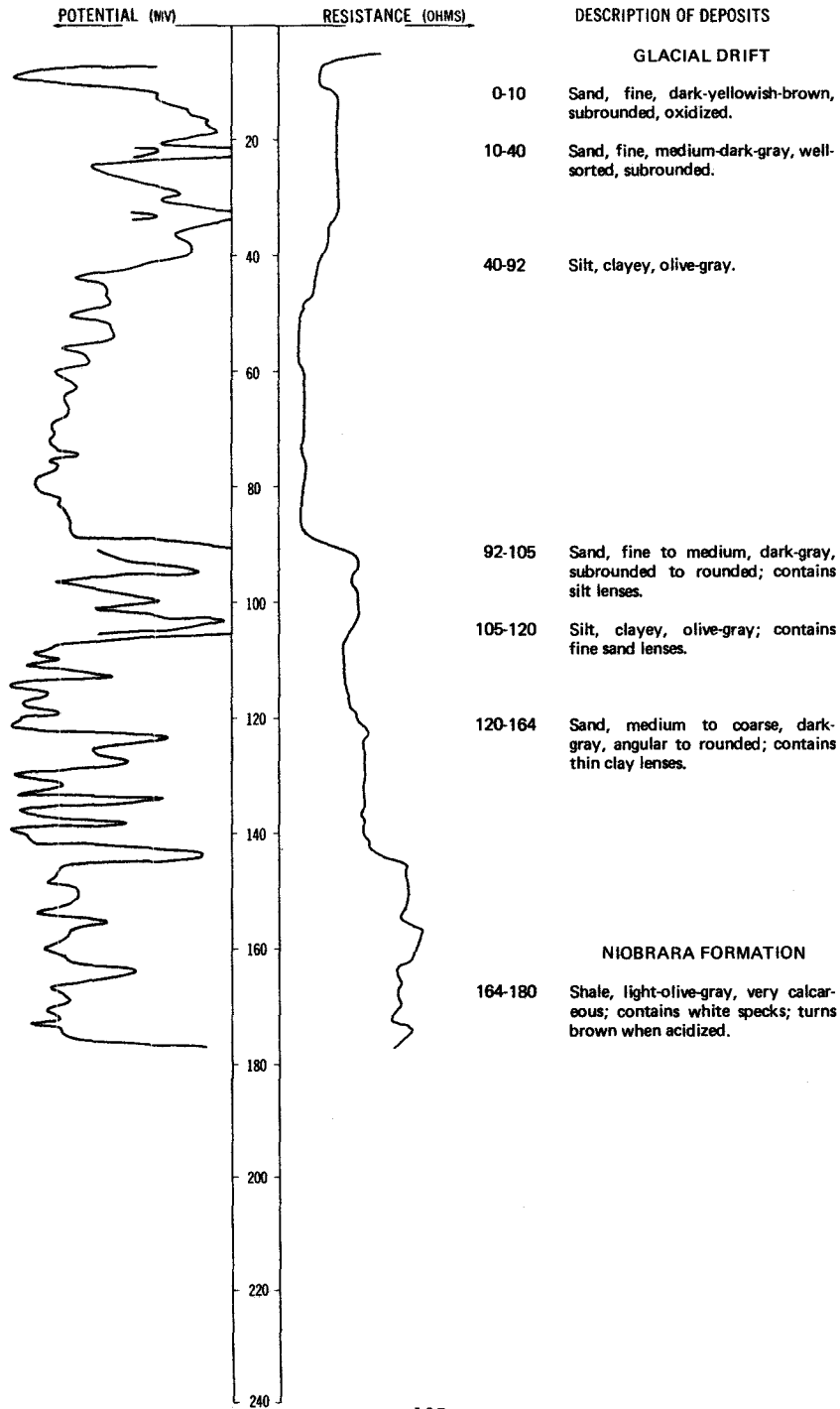
		Date drilled:	3/19/52
	Topsoil, brown; fine silty clayey sand-----	2.5	2.5
	Sand, brown, fine, silty, uncemented; iron-oxide staining; silty-----	7.5	10
	Sand, gray, fine, fairly clean, uncemented, compacted, poorly graded-----	18	28
	Clay, gray, silty; small proportion of fine sand; plastic to very plastic when saturated; excellent varving in sandy silt zones-----	77	105
	Silt and sand, gray; heavy clay binder; small proportion of fine gravel; intercalated silt and sandy clay lens; excellent varving in silt zones; shale fragments throughout; silty; clayey-----	69	174

LOCATION: 129-057-08CCC1, 2

DATE DRILLED: 11/22/74

ALTITUDE: 1303  
(FT, NGVD)

DEPTH: 180  
(FT)



129-057-09BBB  
USBR W-50

Altitude: 1308 feet

Date drilled: 12/06/66

GEOLOGIC  
SOURCE

MATERIAL

THICKNESS  
(FEET)

DEPTH  
(FEET)

Glacial drift:

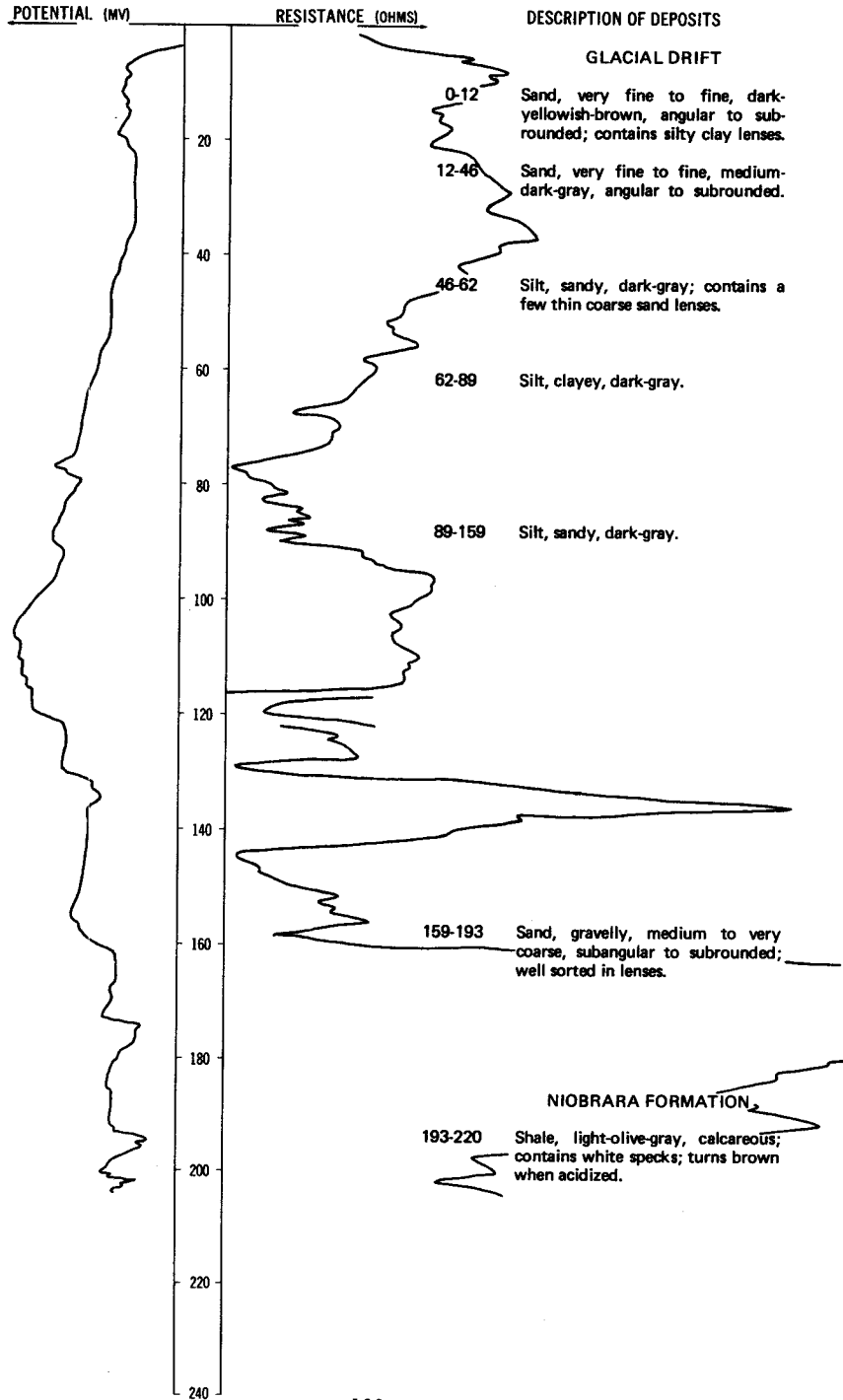
Loam, sandy-----  
Sand, loamy-----  
Loam-----  
Sand, very fine-----  
Loam, sandy-----

2  
2  
8  
3  
5

2  
4  
12  
15  
20

LOCATION: 129-057-10CCC  
ALTITUDE: 1307  
(FT. NGVD)

DATE DRILLED: 11/22/74  
DEPTH: 220  
(FT)





129-057-11BBD  
(Log from John M. Manikowski)

Date drilled: 10/13/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black.....	1	1
	Sand, fine, yellow.....	25	26
	Clay, blue.....	33	59
	Sand and clay.....	13	72
	Clay, blue.....	58	130
	Clay, sandy, gravelly, blue.....	12	142
	Clay, blue.....	14	156
	Sand, water.....	10	166

129-057-12CCB  
(Log from Wieber Well Drilling)

Date drilled: 6/25/75

	Topsoil.....	2	2
	Clay, yellow.....	28	30
	Clay, blue.....	80	110
	Clay, sandy, blue.....	20	130
	Clay, blue.....	40	170
	Sand, medium, water.....	10	180
	Sand, coarse, cleaner, water.....	8	188

129-057-12CCC  
(Log from Vrchota Well Drilling)

Date drilled: 6/05/73

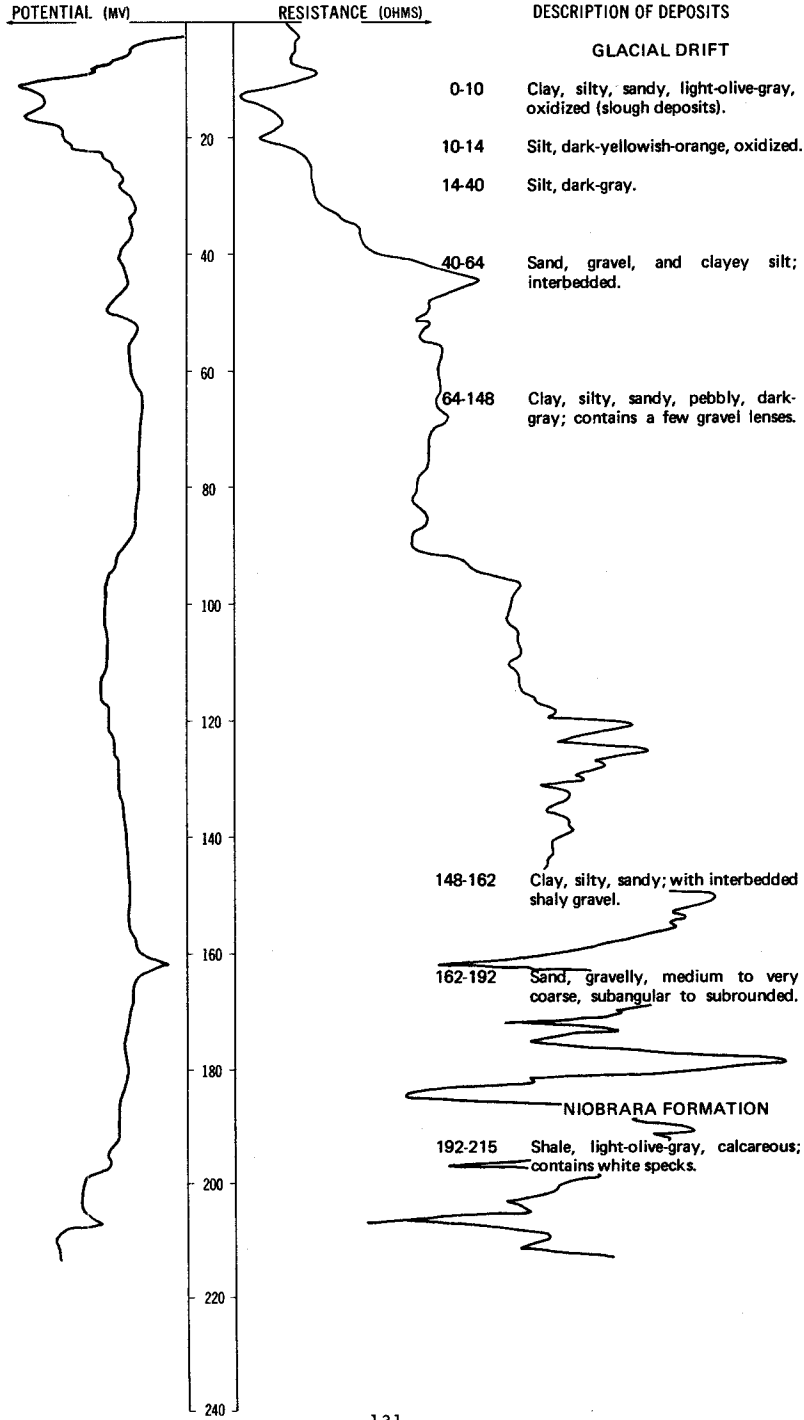
	Dirt, black.....	2	2
	Clay, yellow.....	12	14
	Clay, blue.....	146	160
	Sand.....	10	170

LOCATION: 129-057-14AAA1

DATE DRILLED: 11/21/74

ALTITUDE: 1287  
(FT, NGVD)

DEPTH: 215  
(FT)



129-057-14AAA2  
USBR W-69

Altitude:	1291 feet	Date drilled:	12/14/66
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam-----	2	2
	Loam, silty-----	1	3
	Clay, silty-----	5	8
	Clay-----	2	10
	Clay and silty clay-----	3	13
	Loam, silty-----	7	20

129-057-14BBB  
USBR W-77

Altitude:	1312 feet	Date drilled:	12/15/66
	Loam, fine, sandy-----	7	7
	Loam, sandy-----	1	8
	Loam, silty-----	12	20

129-057-14CCC  
(Log from Independent Drilling Co.)

		Date drilled:	4/13/73
Greenhorn Formation (top):			426
Dakota Sandstone (top):		141	833 974

129-057-15BBB  
USBR W-90

Altitude:	1310 feet	Date drilled:	3/02/67
Glacial drift:			
	Loam, sandy-----	1	1
	Loam, silty-----	1	2
	Loam, silty and sandy-----	18	20
	Loam, very fine, sandy and silty-----	24	44
	Loam, silty-----	16	60

129-057-18ACA  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	5/18/75
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil	2	2
	Sand, fine	23	25
	Silt	90	115
	Sand, medium; shale pebbles	35	150
	Shale	5	155

129-057-18ADB  
(Log from Empire Irrigation & Drilling Co., Inc.)

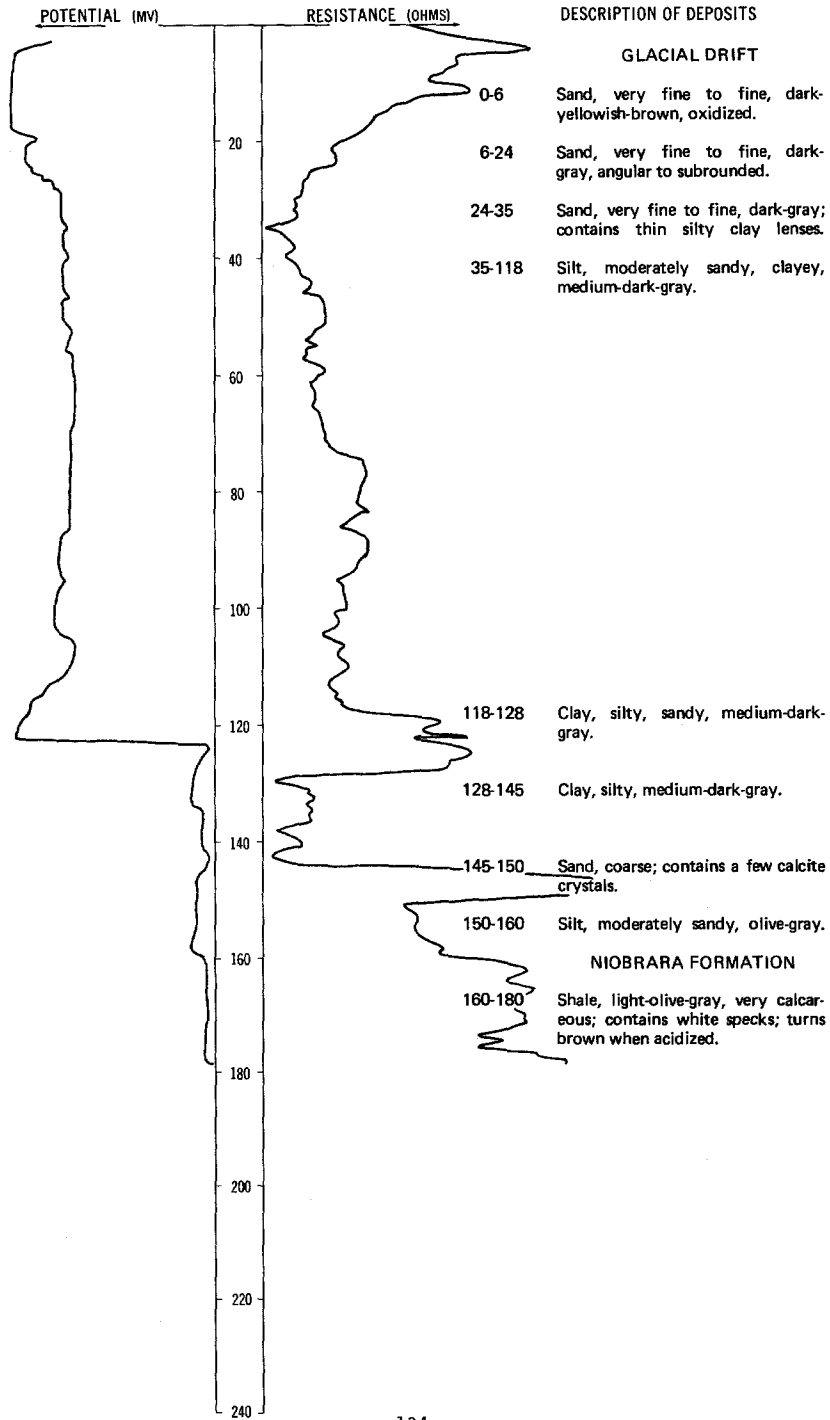
		Date drilled:	10/27/75
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil	2	2
	Sand, fine	23	25
	Silt	90	115
	Sand, medium	41	156

LOCATION: 129-057-18CCC

DATE DRILLED: 11/25/74

ALTITUDE: 1292  
(FT, NGVD)

DEPTH: 180  
(FT)



129-057-20BBB  
USBR W-60

Altitude:	1304 feet	Date drilled:	12/08/66
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam, sandy-----	3	3
	Loam, silty-----	1	4
	Loam, fine, sandy, iron-stained-----	9	13
	Sand, very fine-----	7	20

129-057-22DDB  
(Log from Independent Drilling Co.)

		Date drilled:	10/17/76
Greenhorn Formation (top):			465
Dakota Sandstone (top):		189	854 1,043

129-057-24CCC  
USBR W-71

Altitude:	1290 feet	Date drilled:	12/14/66
Glacial drift:			
	Loam, silty-----	20	20

129-057-25ABD  
(Log from Wieber Well Drilling)

		Date drilled:	4/18/73
	Soil-----	2	2
	Clay, yellow-----	38	40
	Clay, blue; coarse sand layer-----	60	100
	Sand, fine; mixed with clay-----	30	130
	Clay, blue-----	20	150
	Clay, blue; contains a large rock-----	15	165
	Sand, medium, uniform-----	8	173

129-057-30DCD1  
(Log from Wieber Well Drilling)

Date drilled: 7/16/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, sandy, black	1	1
	Soil, silty, yellow	9	10
	Silt and fine sand	10	20
	Sand, fine, clean	10	30

129-057-30DCD2  
(Log from Wieber Well Drilling)

Date drilled: 7/16/76

	Topsoil, black	1	1
	Sand, yellow	9	10
	Sand, fine, and clay	10	20
	Sand, fine, gray	10	30
	Clay	10	40

129-057-30DDD  
USBR W-58

Altitude: 1301 feet

Date drilled: 12/08/66

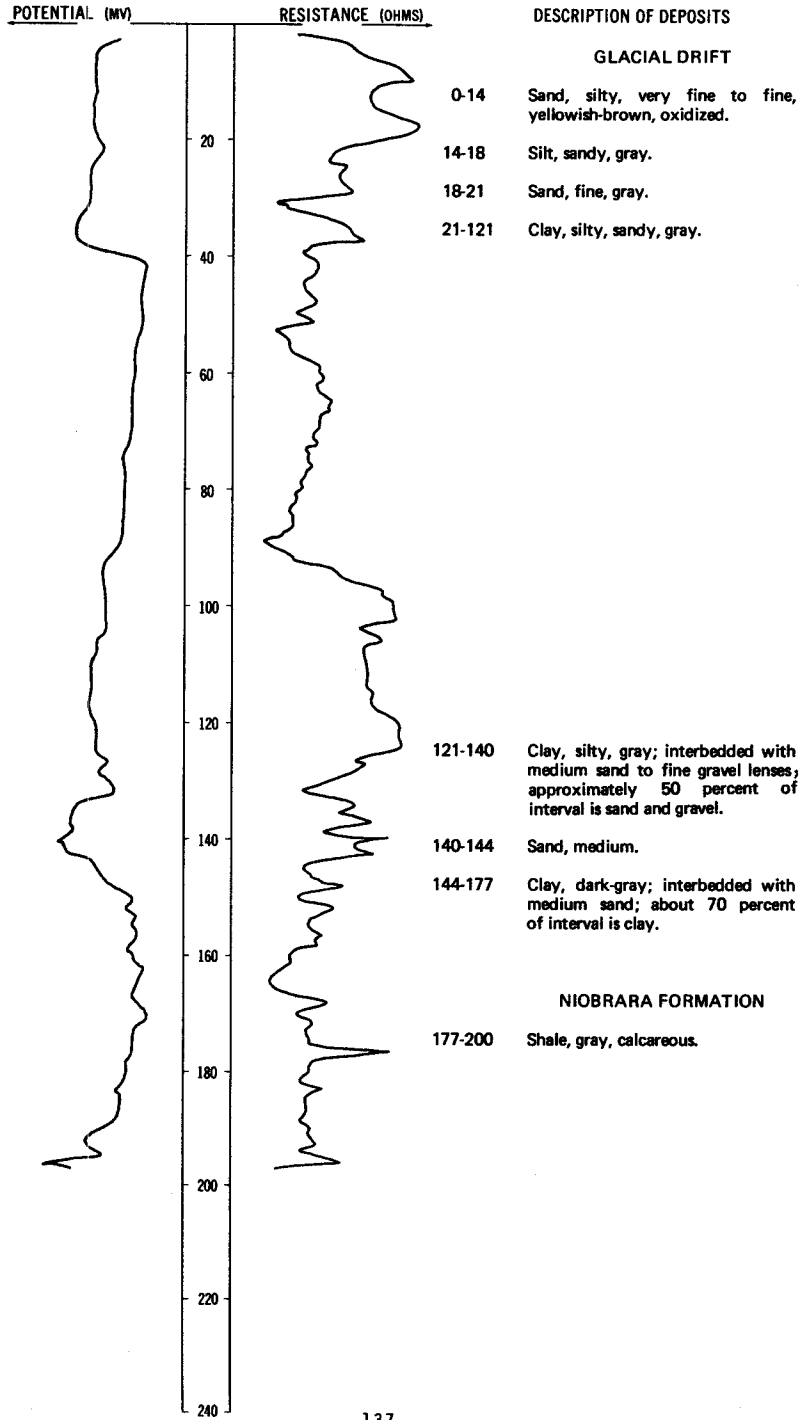
Glacial drift:	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Loam, sandy	5	5
	Sand, fine	7	12
	Sand, very fine	8	20

LOCATION: 129-057-34AAA

DATE DRILLED: 10/06/77

ALTITUDE: 1303  
(FT, NGVD)

DEPTH: 200  
(FT)





129-057-36CCC  
USBR W-73

Altitude: 1290 feet

Date drilled: 12/15/66

GEOLOGIC  
SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

Glacial drift:

Loam, silty-----	1	1
Clay, silty-----	2	3
Clay (till)-----	14	17
Till-----	3	20

129-058-01DCC1  
(Log from Vrchota Well Drilling)

Date drilled: 10/04/73

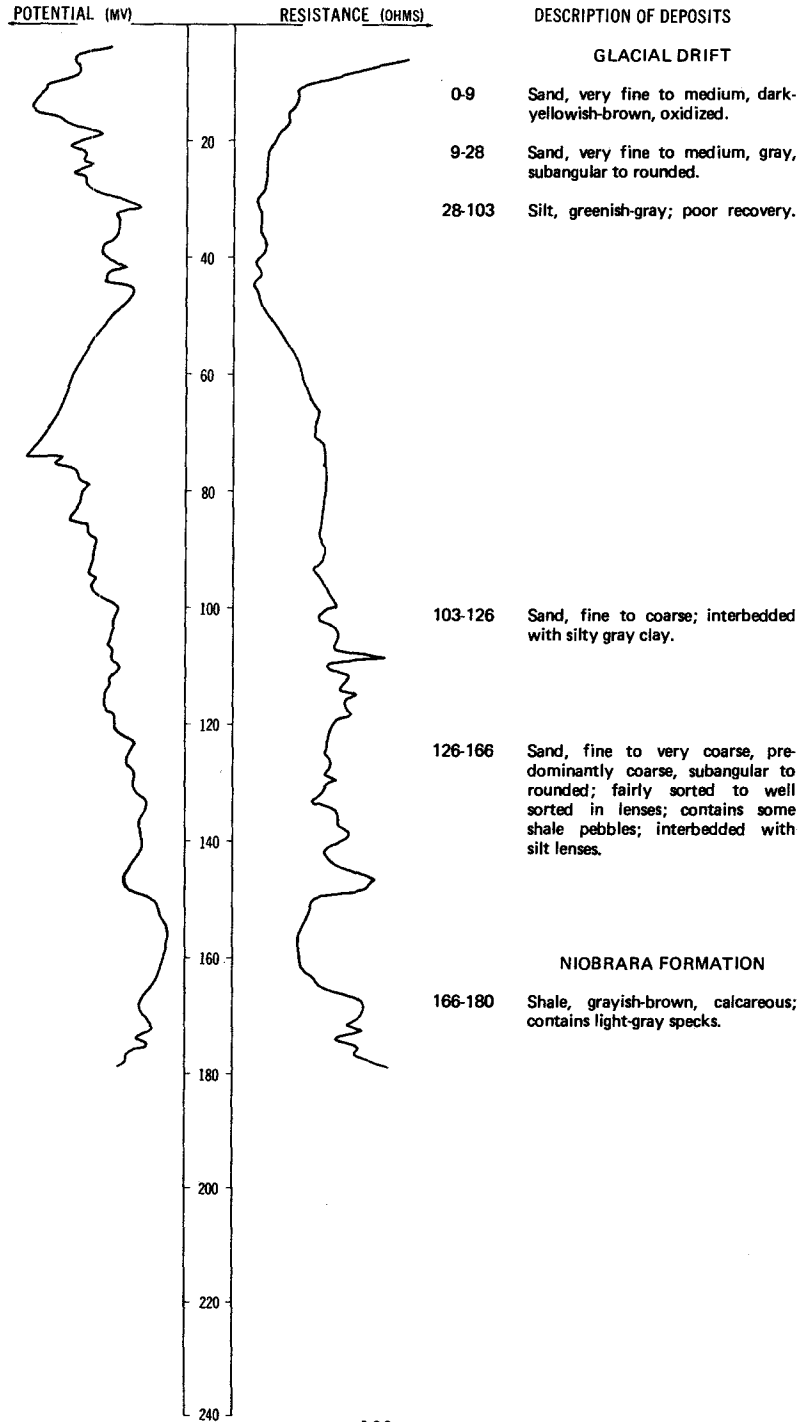
Dirt, black-----	1	1
Sand, fine, blue-----	21	22
Clay, sandy, blue-----	81	103
Sand and black shale; mixed-----	22	125

LOCATION: 129-058-01DCC2

DATE DRILLED: 10/04/77

ALTITUDE: 1295  
(FT, NGVD)

DEPTH: 180  
(FT)



129-058-04DCC  
(Log modified from U.S. Bureau of Reclamation)  
USBR Oakes-67

Altitude: 1380 feet

Date drilled: 6/23/53

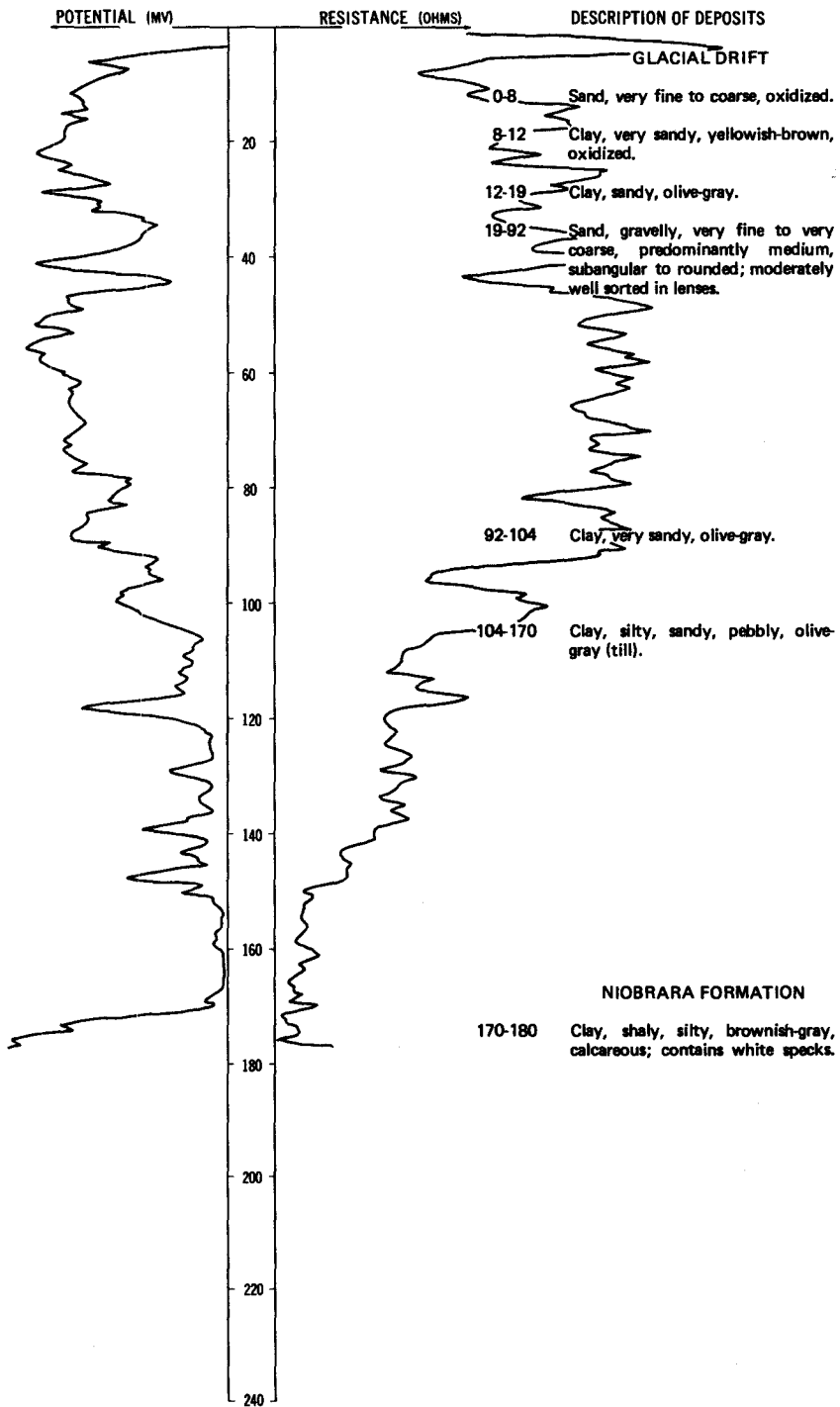
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, gray, brown; trace of silt; topsoil-----	1	1
	Sand, gray, fine, uniform; trace of silt; pervious-----	2.5	3.5
	Sand, buff, fine, uniform; trace of silt; pervious-----	8	11.5
	Silt, gray; trace of very fine sand in places; laminated lake deposits; semipervious-----	18	29.5
	Clay (till), gray; very sandy clay; silty; gravels 1/4-inch maximum; semipervious-----	21.5	51
	Silt, gray, compact; trace of very fine sand; laminated; semipervious-----	2	53
	Clay (till), gray, very sandy, semipervious-----	72	125
	Clay (till), gray; sand; gravels throughout; occasional sandy zones; becomes very hard gray till at 189 feet; semipervious-----	66	191

LOCATION: 129-058-06AAA1, 2

DATE DRILLED: 7/01/76

ALTITUDE: 1313  
(FT, NGVD)

DEPTH: 180  
(FT)



129-058-06BAD1  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 9/18/74	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, sandy-----	8	10
	Sand-----	30	40
	Sand, coarse-----	20	60
	Sand, medium to fine-----	41	101
	Clay-----	19	120

129-058-06BAD2  
(Log from Traut Wells, Inc.)

Altitude: 1309 feet		Date drilled: 1/24/75	
	Sand, brown-----	15	15
	Sand, clayey, brown-----	26	41
	Sand, brown-----	11	52
	Silt, gray-----	46	98
	Silt, gravelly, gray-----	20	118
	Sand and gravel-----	42	160

129-058-06BBB2  
(Log from Traut Wells, Inc.)

		Date drilled: 1/23/75	
	Sand, fine, brown-----	27	27
	Sand, fine, gray-----	21	48
	Sand, brown, and gravel-----	2	50
	Clay, gray-----	23	73
	Sand, fine; lignite, gray-----	32	105
	Clay, gray-----	15	120

129-058-06BBD  
(Log from Traut Wells, Inc.)

Date drilled: 1/23/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, gray-----	41	43
	Sand, gray-brown-----	8	51
	Clay, gray-----	9	60
	Sand, fine, gray-----	38	98
	Sand and gravel, gray-----	4	102
	Sand, gray-----	16	118
	Clay, gray-----	1	119
	Sand, gray-----	3	122
	Clay, gray-----	2	124

129-058-06CBC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/17/74

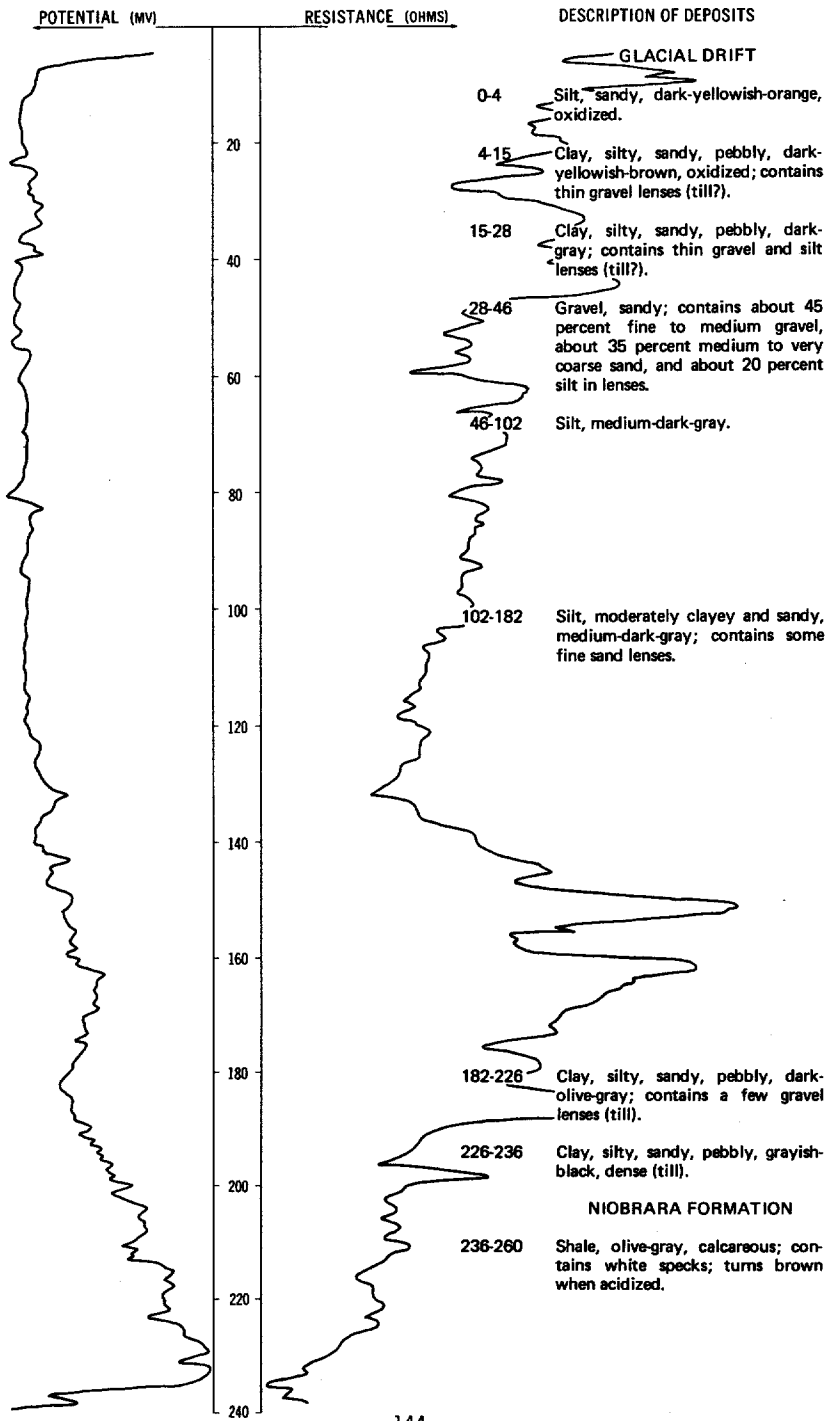
	Topsoil-----	2	2
	Sand and clay-----	18	20
	Sand, fine-----	10	30
	Sand, medium-----	10	40
	Sand and gravel-----	20	60
	Sand, medium-----	20	80

LOCATION: 129-058-098BB

DATE DRILLED: 11/25/74

ALTITUDE: 1375  
(FT, NGVD)

DEPTH: 260  
(FT)

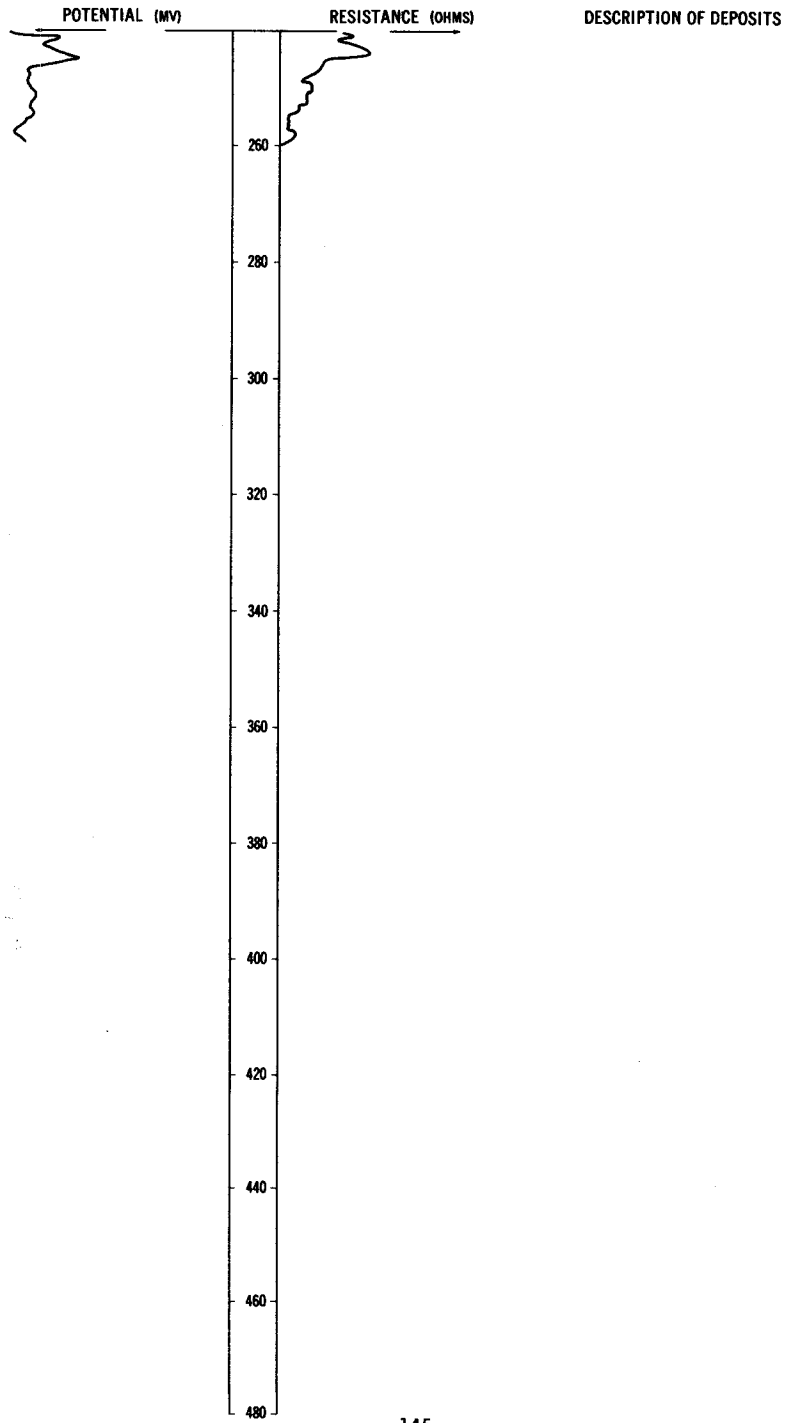


LOCATION: 129-058-09BBB

DATE DRILLED: 11/25/74

ALTITUDE: 1375  
(FT, NGVD)

DEPTH: 260  
(FT)



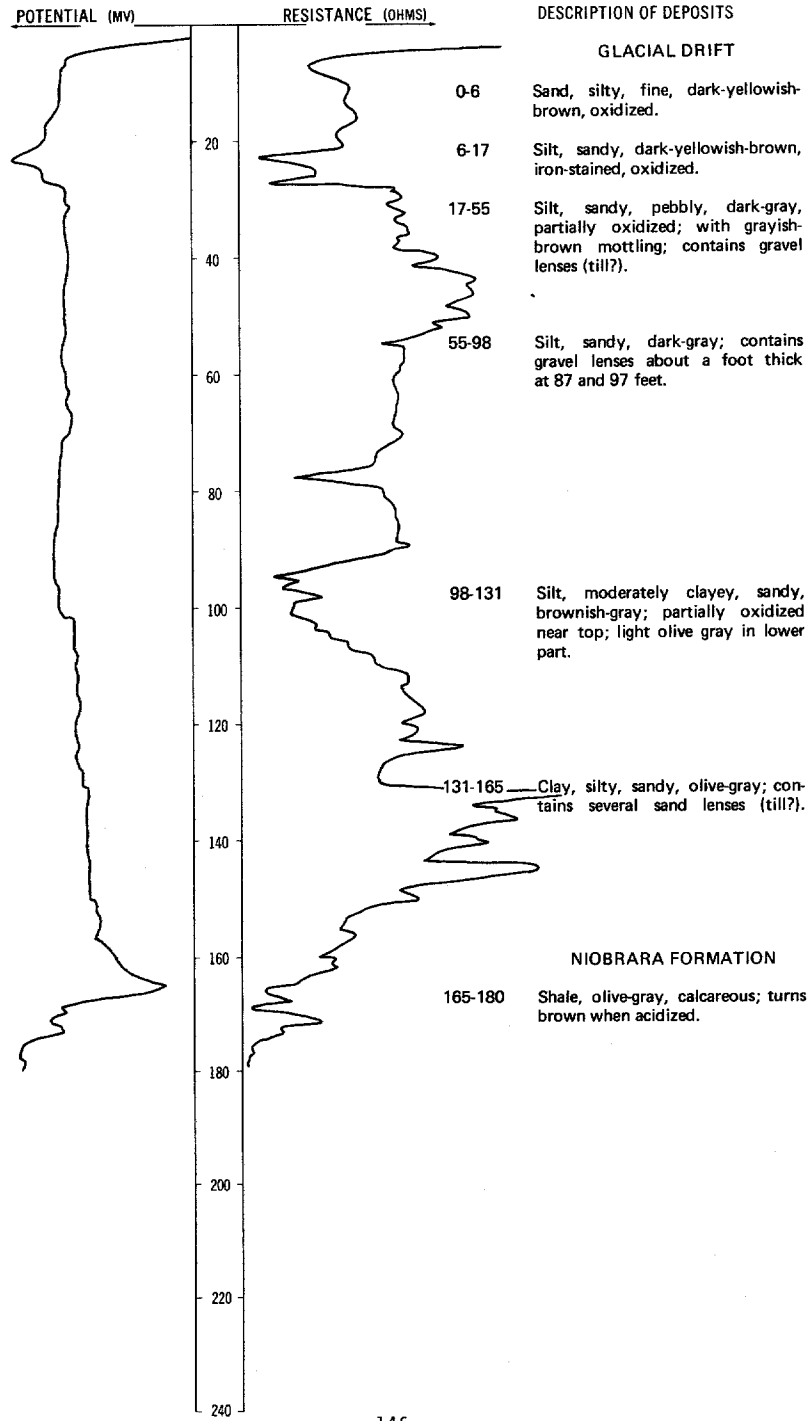


LOCATION: 129-058-10BAB

DATE DRILLED: 11/26/74

ALTITUDE: 1317  
(FT, NGVD)

DEPTH: 180  
(FT)



129-058-11DDD  
USBR W-62

Altitude: 1296 feet

Date drilled: 12/08/66

GEOLOGIC  
SOURCE MATERIAL

THICKNESS DEPTH  
(FEET) (FEET)

Glacial drift:

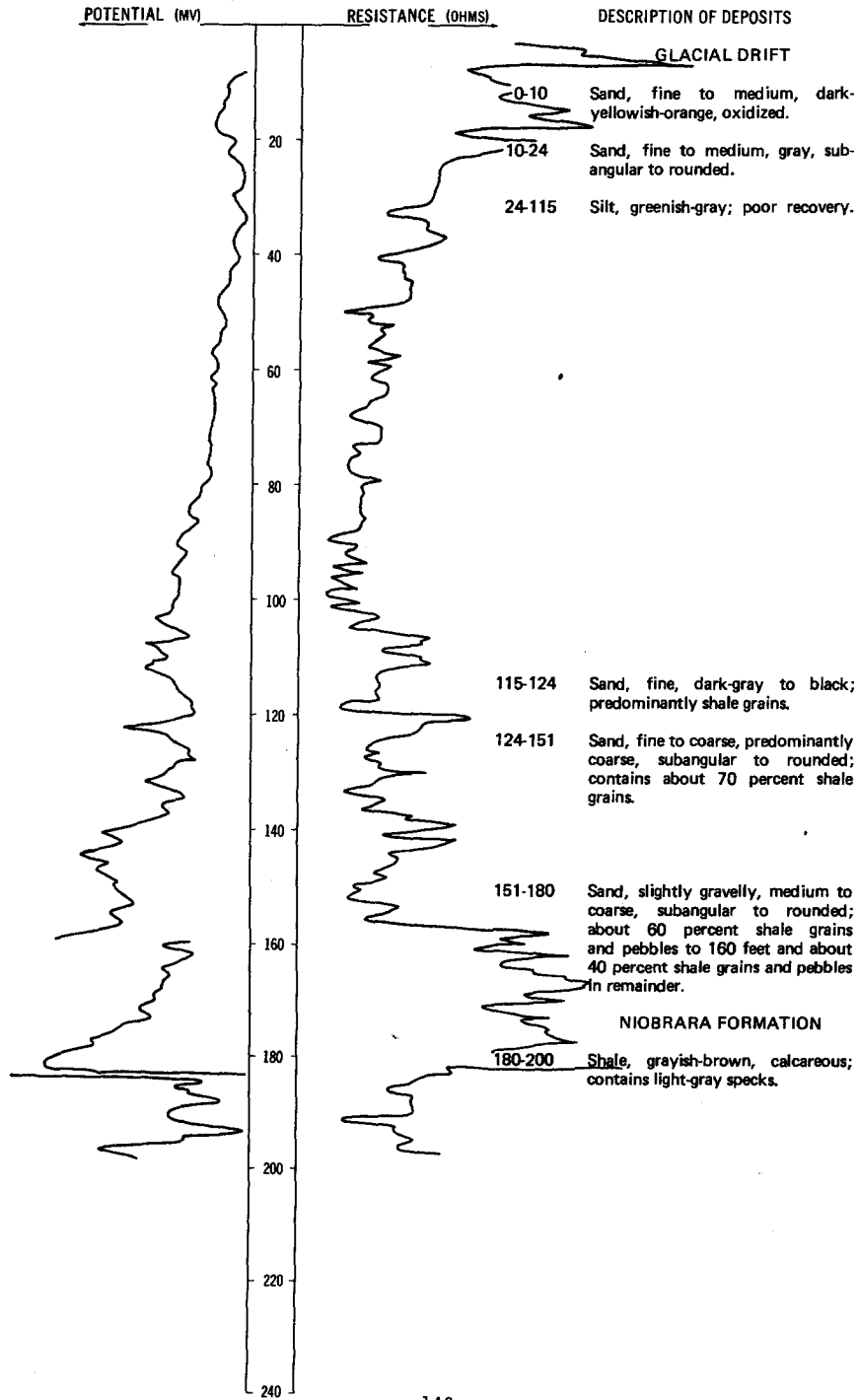
Loam, silty	4	4
Sand, very fine	8	12
Sand, fine	8	20

LOCATION: 129-058-12AAA

DATE DRILLED: 10/03/77

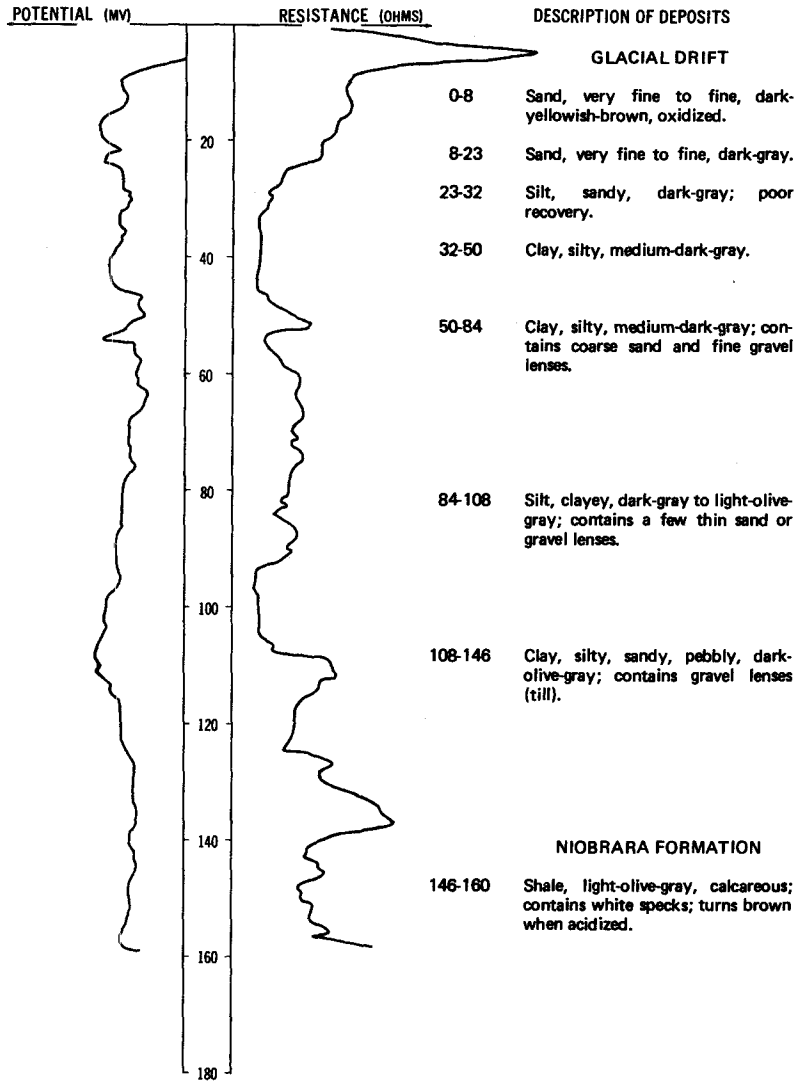
ALTITUDE: 1296  
(FT, NGVD)

DEPTH: 200  
(FT)



LOCATION: 129-058-13BBB  
 ALTITUDE: 1296  
 (FT, NGVD)

DATE DRILLED: 11/25/74  
 DEPTH: 160  
 (FT)



129-058-24CCC  
 USBR W-64

Altitude: 1301 feet

Date drilled: 12/09/66

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

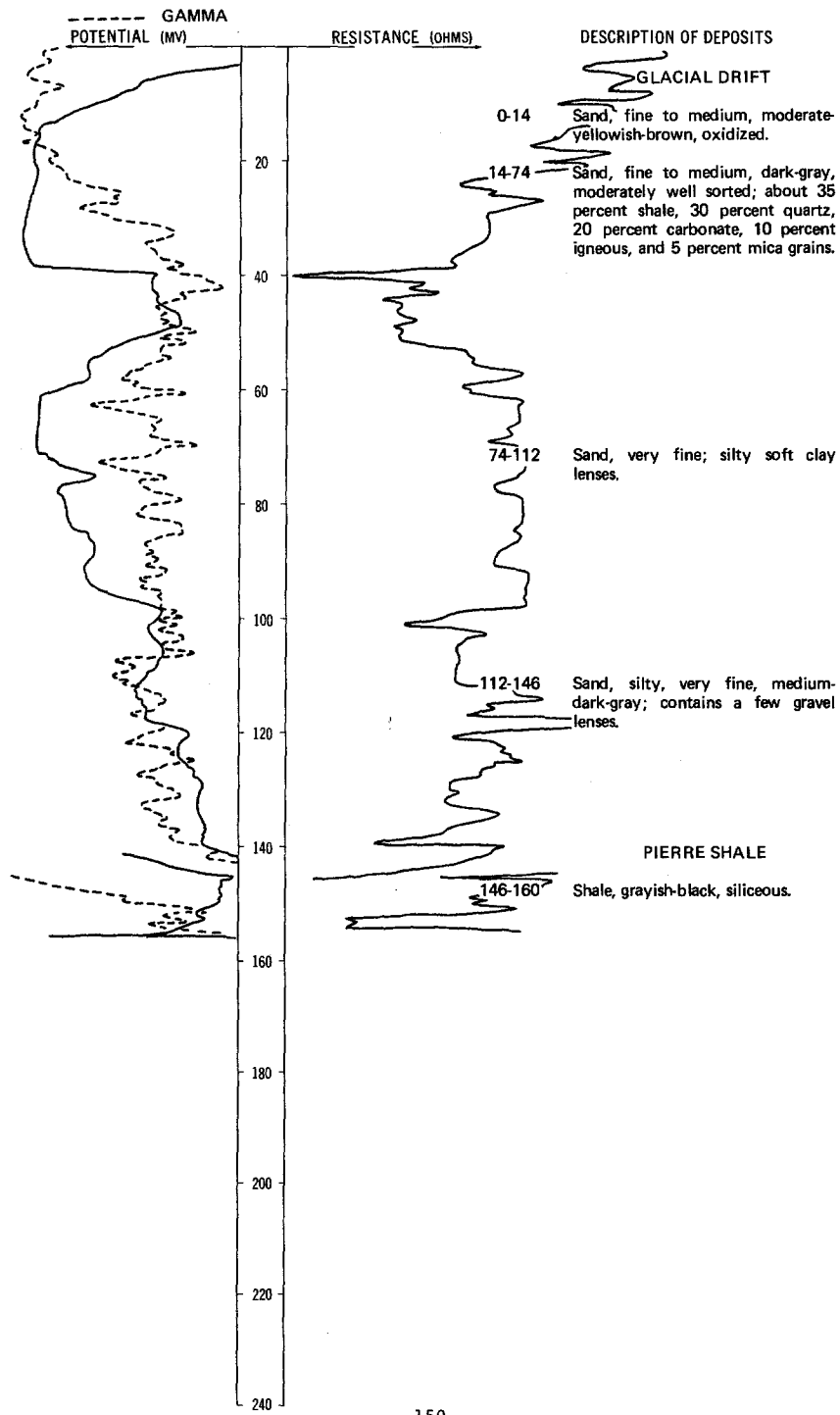
GEOLOGIC SOURCE MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift: Loam, fine, sandy	3	3
Sand, fine	17	20

LOCATION: 129-058-30CCC

DATE DRILLED: 10/07/75

ALTITUDE: 1315  
(FT, NGVD)

DEPTH: 160  
(FT)

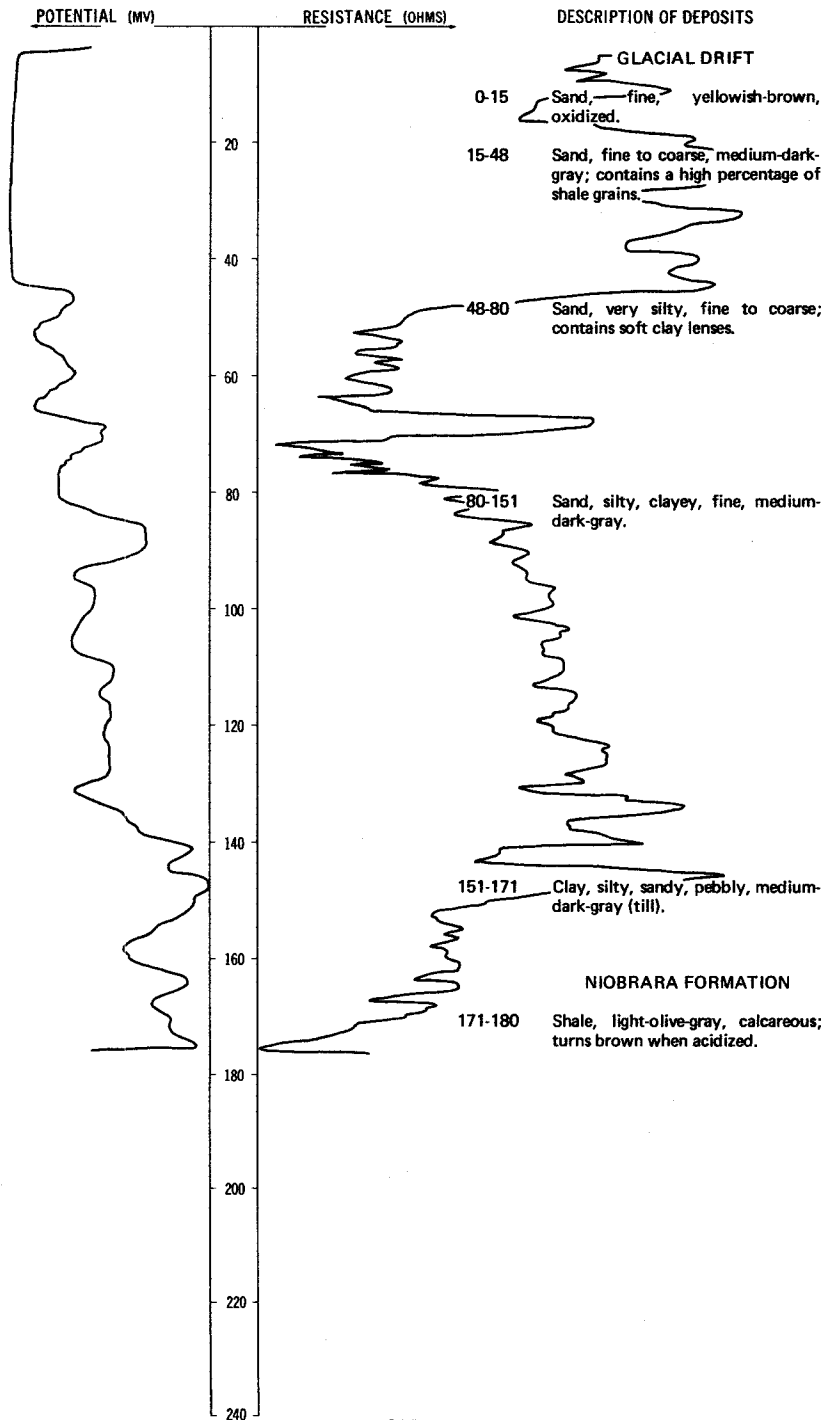


LOCATION: 129-058-30DDD1, 2

DATE DRILLED: 10/07/75

ALTITUDE: 1318  
(FT, NGVD)

DEPTH: 180  
(FT)



129-058-31AAA  
(Log from Adair Drilling Co.)

Date drilled: 10/26/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, fine, oxidized-----	9	10
	Sand, fine to medium, gray-----	42	52
	Clay, blue-----	25	77
	Sand, fine-----	1	78
	Clay-----	2	80
	Sand, fine-----	20	100
	Clay, soft-----	20	120
	Clay, till-----	18	138
	Sand-----	2	140
	Clay, till-----	20	160

129-058-31AAD  
(Log from Adair Drilling Co.)

Date drilled: 10/26/76

	Topsoil-----	1	1
	Sand, fine, oxidized-----	8	9
	Sand, fine, gray-----	11	20
	Sand, fine to medium, gray-----	48	68
	Clay, soft, gray-----	42	110
	Till, sand-----	25	135
	Sand, fine-----	6	141
	Clay, till, sandy-----	19	160

129-058-31ABD  
(Log from Adair Drilling Co.)

Date drilled: 10/26/76

	Topsoil-----	1	1
	Sand, clayey-----	9	10
	Sand, fine, gray-----	20	30
	Sand, medium-----	29	59
	Clay, soft, gray-----	61	120
	Clay, sandy-----	15	135
	Sand-----	2	137
	Clay, sand-----	2	139
	Clay, till-----	21	160

129-058-31BAC1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1315 feet

Date drilled: 10/17/74

	Topsoil-----	2	2
	Clay, sandy-----	8	10
	Sand, medium-----	34	44
	Clay-----	6	50

129-058-31BAC2  
(Log from Adair Drilling Co.)

Date drilled: 10/26/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil	1	1
	Sand, fine, oxidized	9	10
	Sand, fine, gray	30	40
	Sand, fine, and lignite	4	44
	Clay, soft, gray	70	114
	Sand, fine	4	118
	Till, sandy	2	120
	Clay, till	10	130
	Sand, fine	5	135
	Till, sandy	5	140
	Till	18	158
	Shale	---	158

129-058-31DBB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1315 feet

Date drilled: 10/17/74

	Topsoil	2	2
	Clay, sandy	8	10
	Sand and shale pebbles	30	40
	Sand, fine to medium	11	51
	Clay	4	55

129-058-35DDD  
USBR W-66

Altitude: 1298 feet

Date drilled: 12/09/66

Glacial drift:

	Loam, sandy	1	1
	Sand, very fine	2	3
	Loam and silty loam	7	10
	Sand, very fine	10	20

130-053-01BCB  
(Log from John M. Manikowski)

Date drilled: 5/15/76

	Topsoil, black	1	1
	Clay, yellow	28	29
	Clay, blue	64	93
	Sand, water	11	104

130-053-01CCC  
(Log from John M. Manikowski)

Date drilled: 4/22/72

	Soil, black	1	1
	Clay, yellow	28	29
	Clay, blue	69	98
	Sand and clay	7	105
	Sand, water-bearing	7	112



130-053-09BCB  
(Log from Wieber Well Drilling)

Date drilled: 6/01/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	1	1
	Clay, yellow-----	34	35
	Clay, blue; with thin gravel layers-----	55	90
	Sand, fine-----	10	100
	Sand, medium-----	14	114

130-053-10DCC  
(Log from John M. Manikowski)

Date drilled: 11/24/75

	Topsoil, black-----	1	1
	Clay, yellow-----	34	35
	Clay, blue-----	62	97
	Clay, blue, and sand and gravel-----	5	102
	Sand, water-----	6	108

130-053-11ABB  
(Log from John M. Manikowski)

Date drilled: 5/19/76

	Topsoil, black-----	1	1
	Clay, yellow-----	27	28
	Clay, blue-----	65	93
	Sand, water-bearing-----	12	105

130-053-11CCC  
(Log from Wieber Well Drilling)

Date drilled: 1/04/74

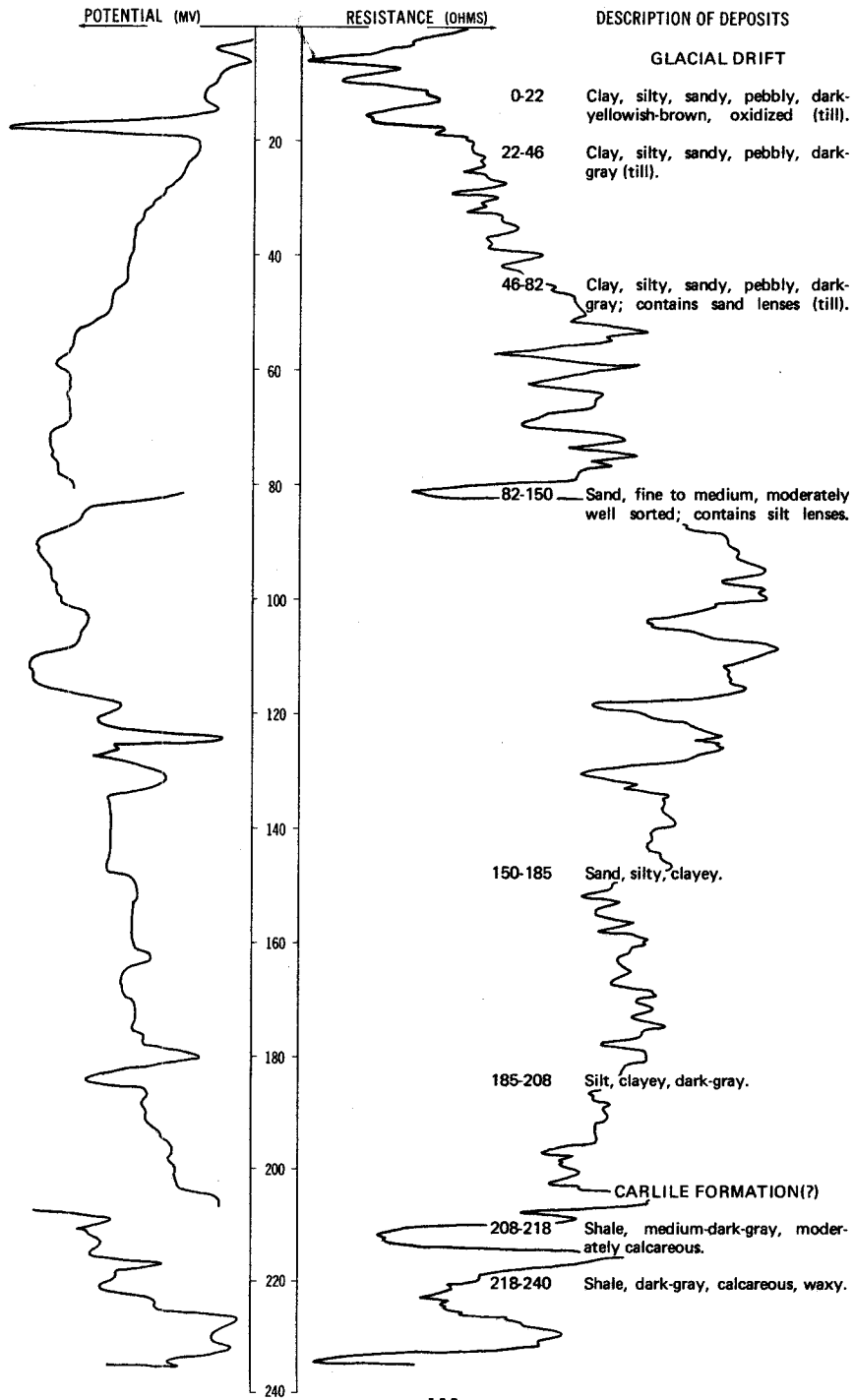
	Soil-----	2	2
	Clay, yellow-----	26	28
	Clay, blue-----	32	60
	Sand strip-----	3	63
	Clay, blue-----	27	90
	Sand, fine-----	10	100
	Sand, coarse-----	10	110

LOCATION: 130-053-11DDD1

DATE DRILLED: 10/09/75

ALTITUDE: 1156  
(FT, NGVD)

DEPTH: 240  
(FT)



130-053-11DDD2  
(Log from John M. Manikowski)

Date drilled: 9/22/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	1	1
	Clay, yellow, gravelly	27	28
	Clay, blue	59	87
	Clay, blue, and fine sand	5	92
	Sand, water	10	102

130-053-14AAC  
(Log from Wieber Well Drilling)

Date drilled: 11/16/74

	Topsoil, black	1	1
	Clay, yellow	19	20
	Soil, fine, silty	10	30
	Clay, blue	80	110
	Sand, fine, dirty	6	116
	Sand, coarse, clean, water-bearing	8	124

130-053-14DAD  
(Log from John M. Manikowski)

Date drilled: 10/28/72

	Soil, black	1	1
	Clay, yellow	30	31
	Clay, blue	70	101
	Clay, blue; mixed with gravel	3	104
	Sand, water-bearing	6	110

130-053-18BDD  
(Log from Wieber Well Drilling)

Date drilled: 3/28/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil	1	1
	Clay and gravel layers	9	10
	Clay, yellow	10	20
	Sand, fine, muddy	10	30
	Clay, bluish, and a few stones	20	50
	Sand, fine, powdery	10	60
	Clay, blue; with fine sand layers	15	75
	Sand	7	82

130-053-21DDD  
(Log from John M. Manikowski)

Date drilled: 11/29/74

	Topsoil, black	1	1
	Clay, yellow	23	24
	Clay, blue	39	63
	Sand, fine, mushy	4	67
	Clay, blue	17	84
	Sand and gravel	2	86
	Sand, medium, water-bearing	7	93

130-053-26BCC  
(Log from John M. Manikowski)

Date drilled: 10/30/74

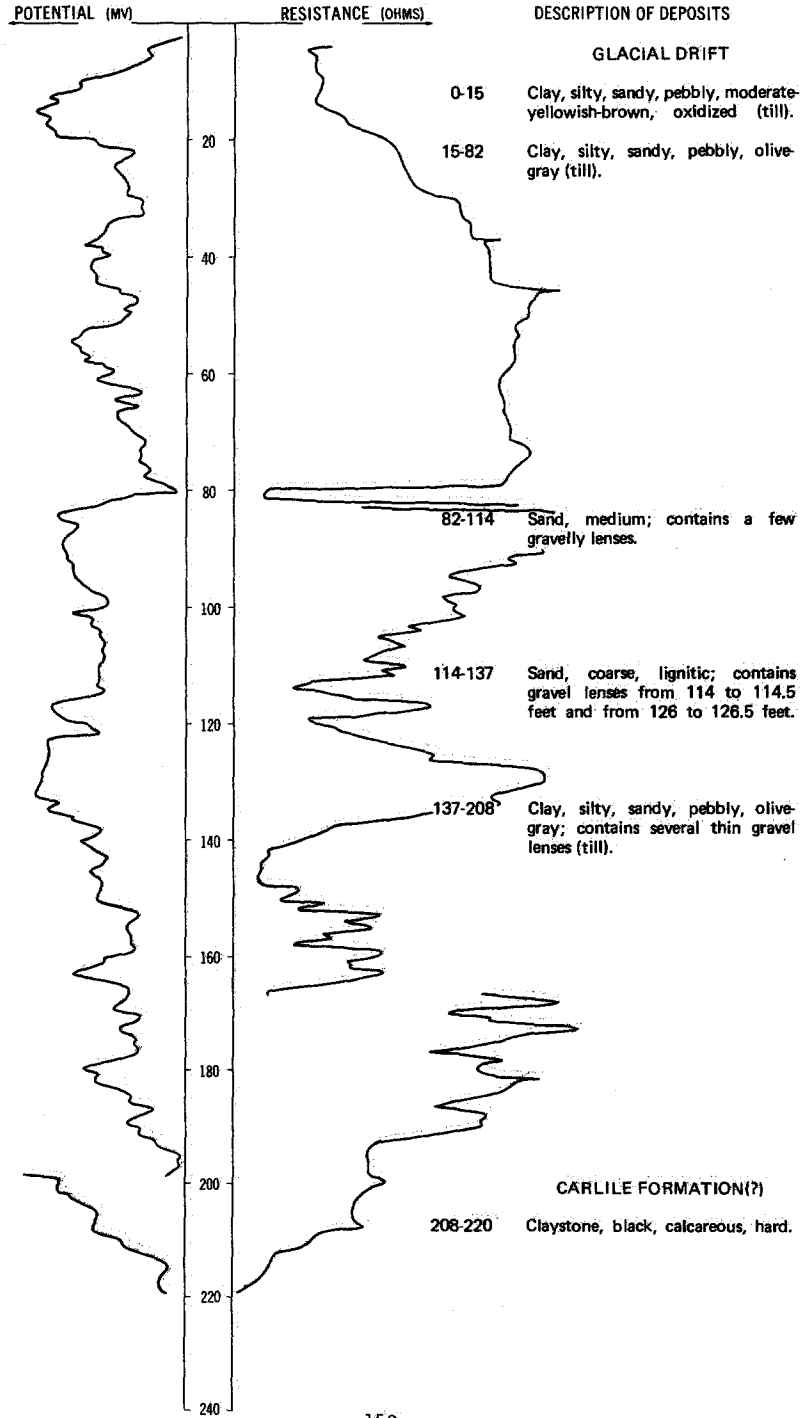
	Topsoil, black	1	1
	Clay, yellow, hard	36	37
	Clay, blue	57	94
	Sand, fine, clayey	4	98
	Clay, blue	4	102
	Sand, water-bearing	11	113

LOCATION: 130-053-31AAA

DATE DRILLED: 9/07/77

ALTITUDE: 1163  
(FT, NGVD)

DEPTH: 220  
(FT)



130-053-32BDC  
(Log from Wieber Well Drilling)

Date drilled: 7/03/73

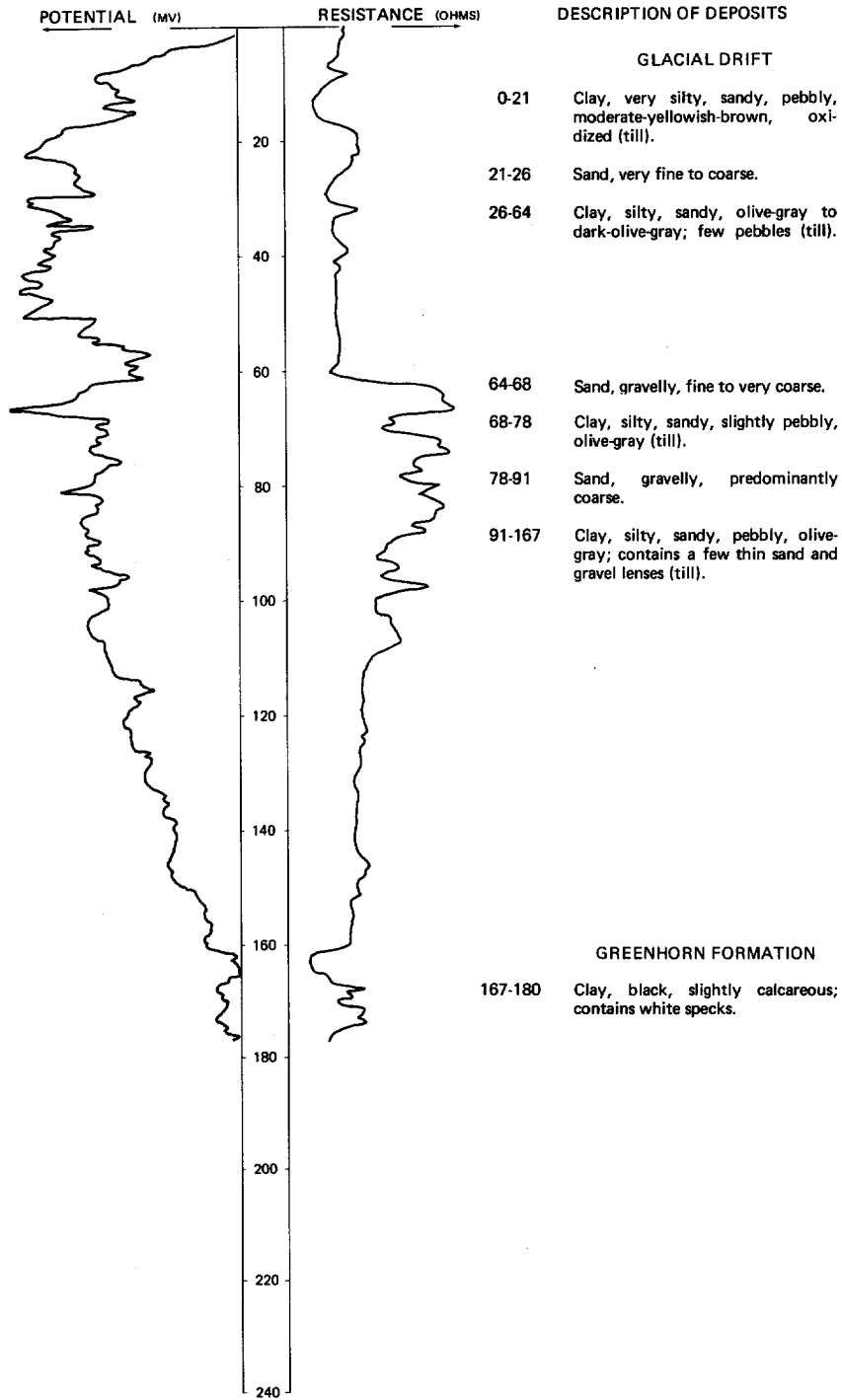
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil-----	2	2
	Clay, yellow-----	18	20
	Sand and gravel-----	50	70
	Clay, blue-----	10	80
	Clay, blue; sand strips-----	10	90
	Sand, medium; with clay layers-----	13	103
	Sand, gray; black particles-----	10	113

LOCATION: 130-054-01AAA

DATE DRILLED: 6/21/79

ALTITUDE: 1145  
(FT, NGVD)

DEPTH: 180  
(FT)

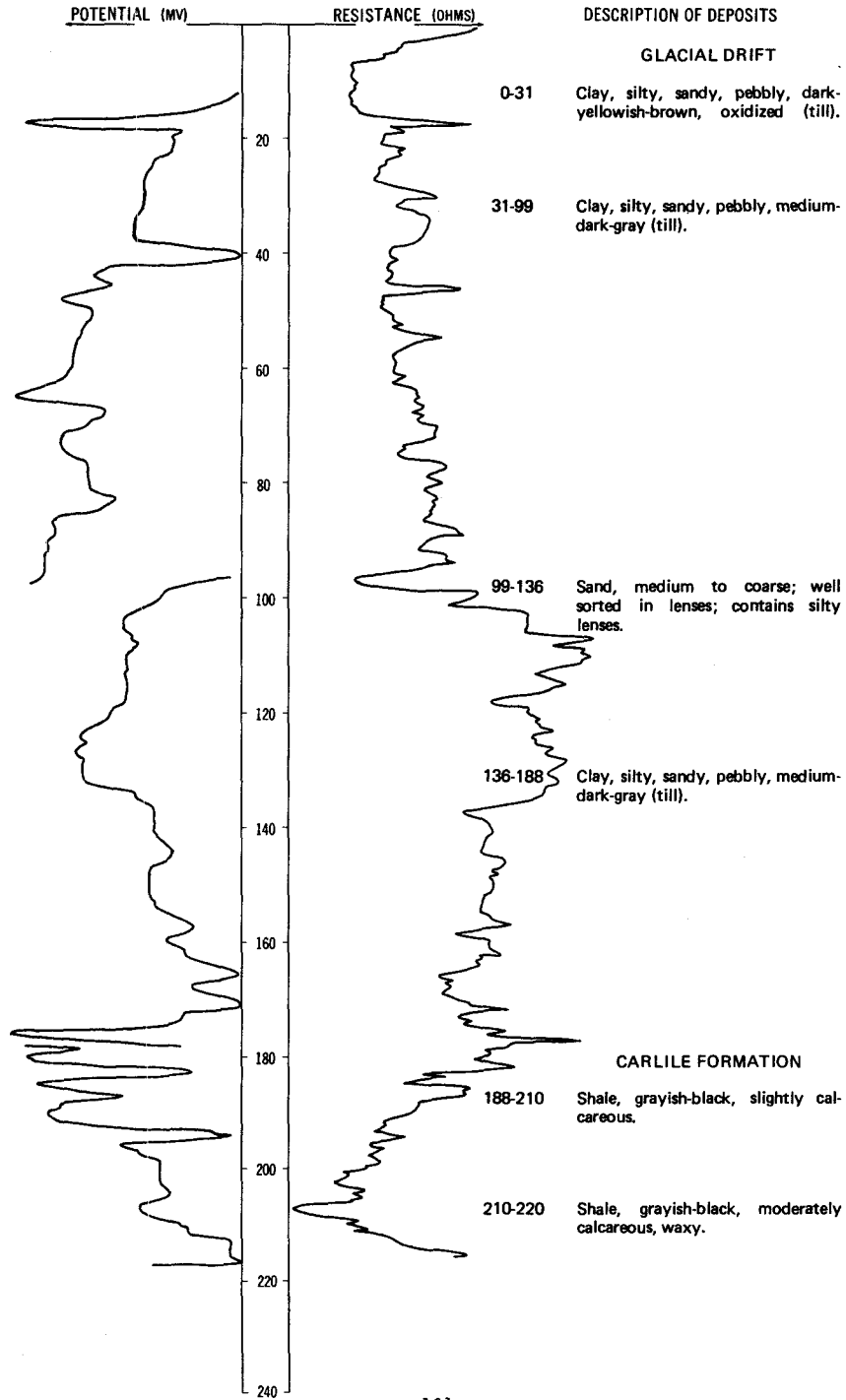


LOCATION: 130-054-04CCC

DATE DRILLED: 10/09/75

ALTITUDE: 1181  
(FT, NGVD)

DEPTH: 220  
(FT)





130-054-05CCA  
(Log from Wieber Well Drilling)

Date drilled: 9/03/74

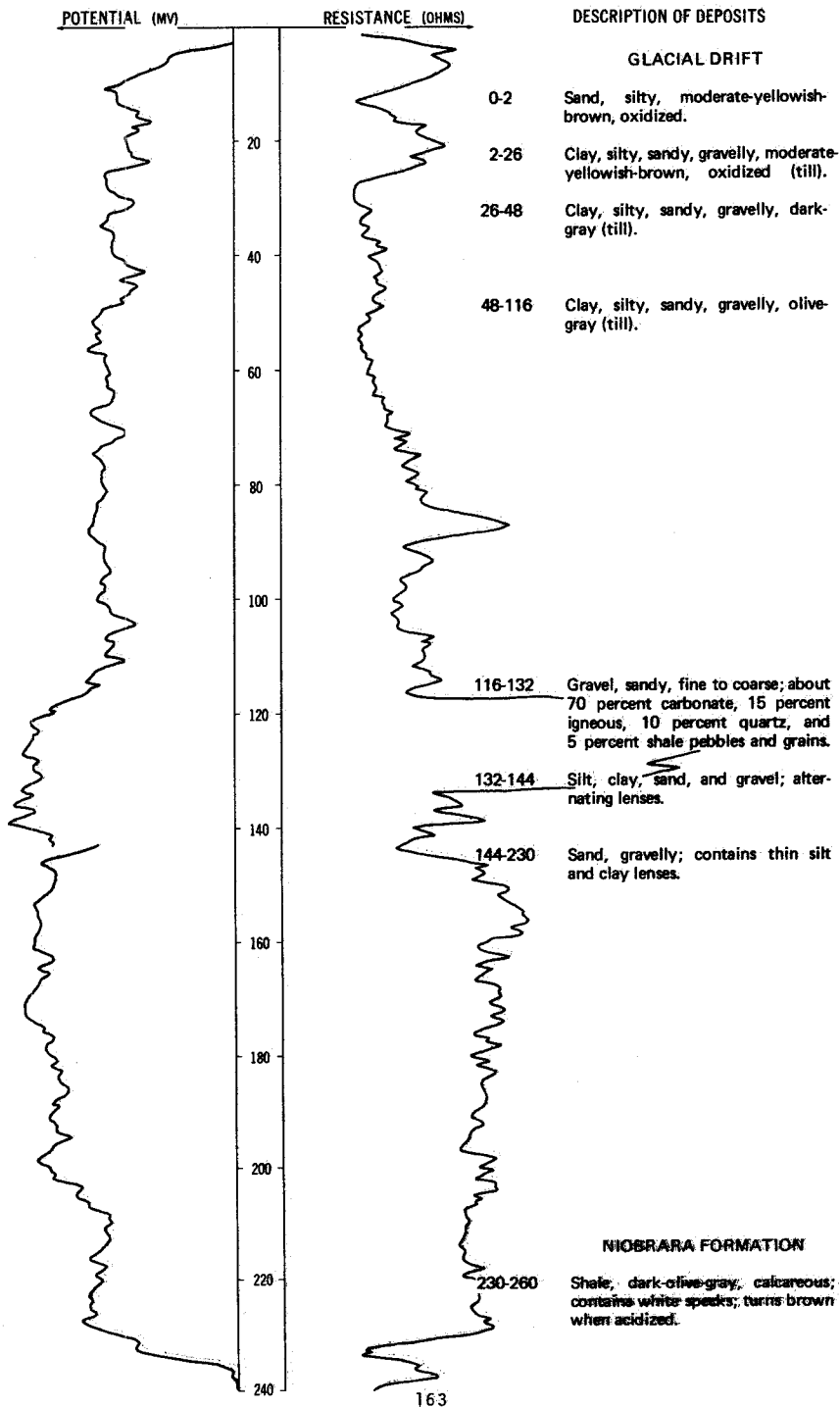
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	1	1
	Clay, yellow, stony	29	30
	Clay, blue	30	60
	Sand, fine	10	70
	Clay, blue	50	120
	Sand, fine, dirty	10	130
	Sand, coarse, water	15	145

LOCATION: 130-054-06CCC

DATE DRILLED: 12/10/74

ALTITUDE: 1212  
(FT, NGVD)

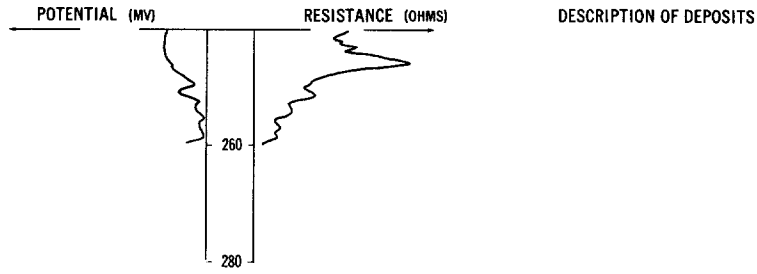
DEPTH: 260  
(FT)



NDSWC 9253, Continued

LOCATION: 130-054-06CCC  
 ALTITUDE: 1212  
 (FT, NGVD)

DATE DRILLED: 12/10/74  
 DEPTH: 260  
 (FT)



130-054-10DDC  
 (Log from John M. Manikowski)

		Date drilled: 10/27/75	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	1	1
	Clay, yellow	22	23
	Clay, blue	51	74
	Clay, gravelly	3	77
	Clay, blue	16	93
	Sand, water-bearing	14	107

130-054-13ACA  
 (Log from Wieber Well Drilling)

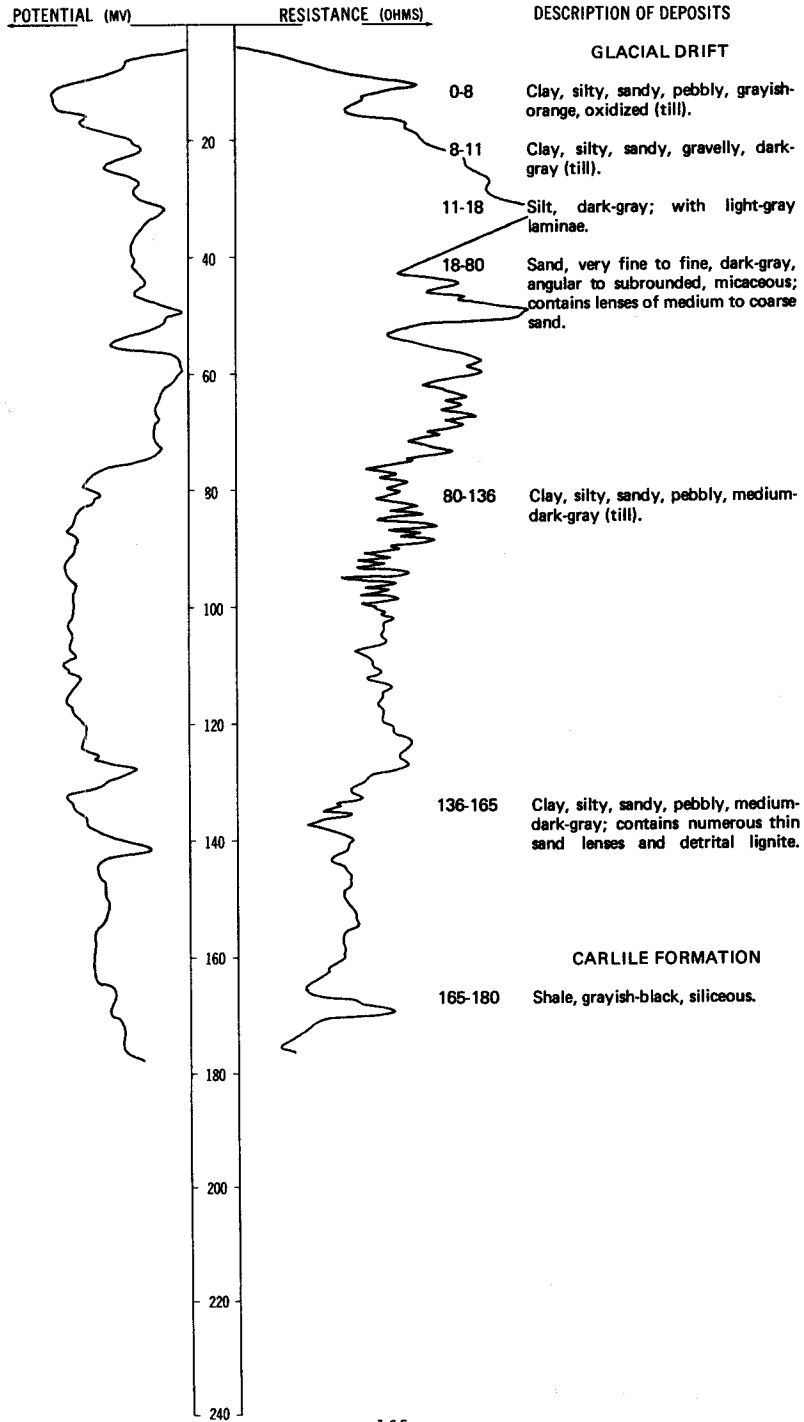
		Date drilled: 8/17/73	
	Soil	1	1
	Clay, yellow	14	15
	Gravel, medium to coarse	30	45
	Stones and gravel	20	65
	Clay, blue	25	90
	Sand, water	10	100

LOCATION: 130-054-13DDD1, 2

DATE DRILLED: 12/06/74

ALTITUDE: 1130  
(FT, NGVD)

DEPTH: 180  
(FT)



130-054-178BD  
(Log from Wieber Well Drilling)

Date drilled: 6/01/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil-----	2	2
	Clay, yellow; mixed sand-----	28	30
	Clay, yellow; with rock-----	10	40
	Clay, blue-----	50	90
	Sand, coarse and fine; with clay layers-----	30	120
	Sand, very fine-----	20	140
	Sand, fine, gray; with clay layers-----	20	160
	Sand, fairly coarse, water-----	10	170

130-054-19ADD  
(Log from Wieber Well Drilling)

Date drilled: 10/18/73

	Soil-----	2	2
	Clay, yellow; large rocks-----	28	30
	Clay, yellow-----	30	60
	Clay, blue; sand streaks-----	40	100
	Sand, fine, dirty-----	20	120
	Clay, blue-----	25	145
	Sand; fine and coarse layers-----	10	155
	Sand, fairly coarse, water-----	13	168

130-054-19BCC  
(Log from Wieber Well Drilling)

Date drilled: 8/01/73

	Soil, black-----	2	2
	Clay, yellow-----	13	15
	Clay, yellow; sand layers-----	10	25
	Sand, coarse-----	10	35
	Clay, yellow; small stones-----	10	45
	Sand, fine, and clay-----	10	55
	Clay, blue or gray-----	45	100
	Clay, bluish; with sand layers-----	30	130
	Sand, fine; with layers of clay-----	20	150
	Gravel, coarse; good water sand-----	12	162

130-054-20ACC  
(Log from Wieber Well Drilling)

Date drilled: 7/20/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	2	2
	Clay, yellow	38	40
	Clay, blue	100	140
	Sand, fine, dirty	10	150
	Sand, medium, water-bearing	10	160

130-054-24BDA  
(Log from Wieber Well Drilling)

Date drilled: 10/04/73

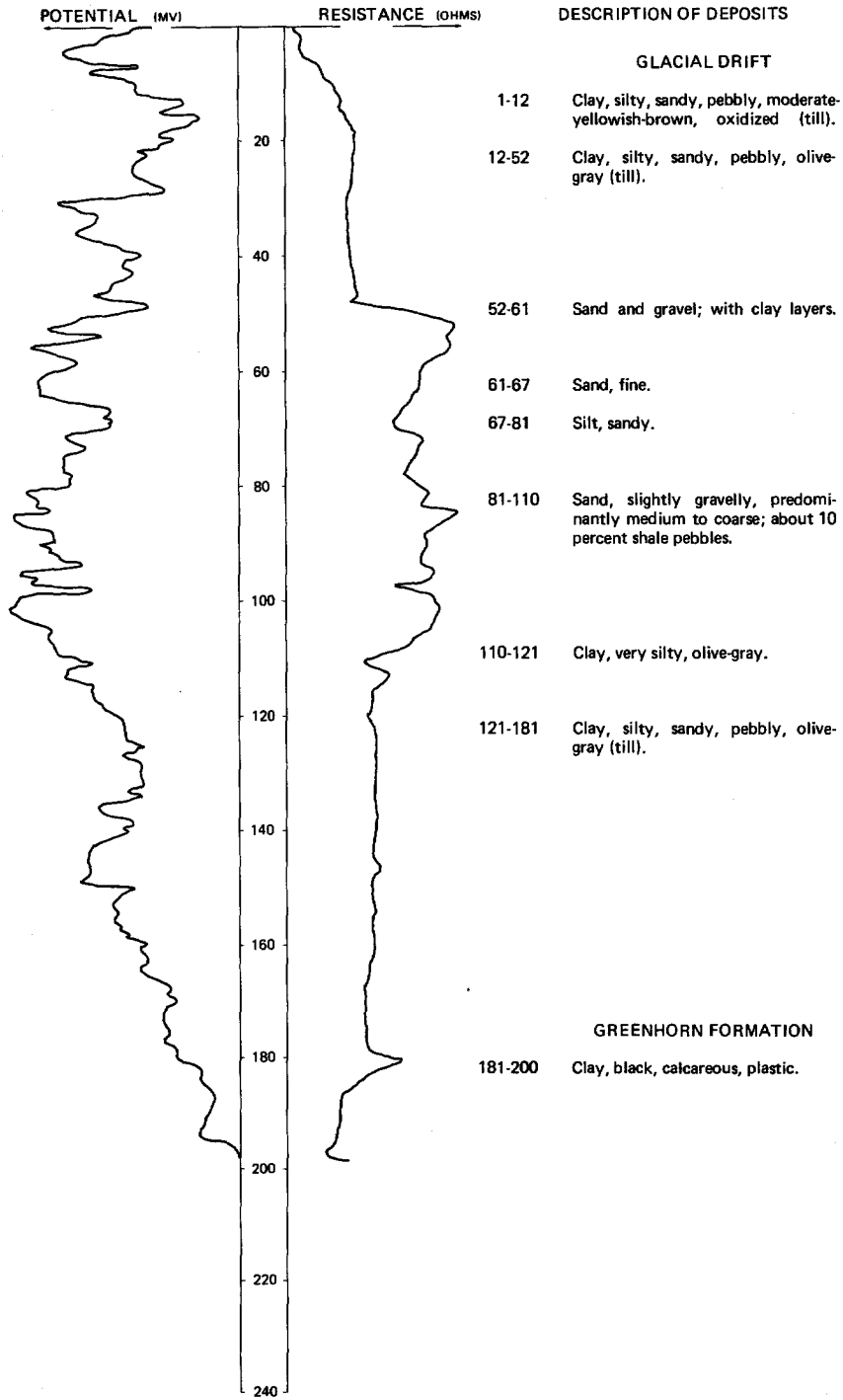
	Soil, black	1	1
	Subsoil, silty, and sand; mixed with clay particles	14	15
	Clay, yellow	15	30
	Gravel, coarse, and rocks	20	50
	Clay, fine, and fine sand layers	30	80
	Sand, medium and coarse, very dirty	10	90
	Sand, medium; uniform size with a few particles of clay	13	103

LOCATION: 130-054-24DDD

DATE DRILLED: 6/21/79

ALTITUDE: 1140  
(FT, NGVD)

DEPTH: 200  
(FT)



130-054-25CDD  
(Log from Wieber Well Drilling)

Date drilled: 10/12/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, black	1.5	1.5
	Clay, yellow; with a few pebbles	28.5	30
	Clay, blue; rocks mixed in	50	80
	Clay; with fine sand layers	10	90
	Gravel, coarse	10	100

130-054-29AAB  
(Log from Wieber Well Drilling)

Date drilled: 8/20/74

	Dirt, black	2	2
	Clay, yellow	33	35
	Clay, gray	45	80
	Sand, fine, and clay	10	90
	Sand, fine, and blue clay	30	120
	Sand, medium	20	140
	Sand, coarse, water-bearing	15	155

130-054-29CAC  
(Log from Wieber Well Drilling)

Date drilled: 12/01/73

	Soil	2	2
	Clay, yellow; rocks	33	35
	Clay, blue	50	85
	Gravel, coarse	15	100
	Clay, blue	20	120
	Sand, fine	25	145
	Sand, gravel, and clay	13	158
	Sand, water	3	161

130-054-31AAD  
(Log from Wieber Well Drilling)

Date drilled: 7/20/75

	Dirt, black	2	2
	Clay, yellow	33	35
	Clay, blue	85	120
	Clay, blue; with sand layers	20	140
	Sand, fine, and clay	10	150
	Sand, coarse	10	160



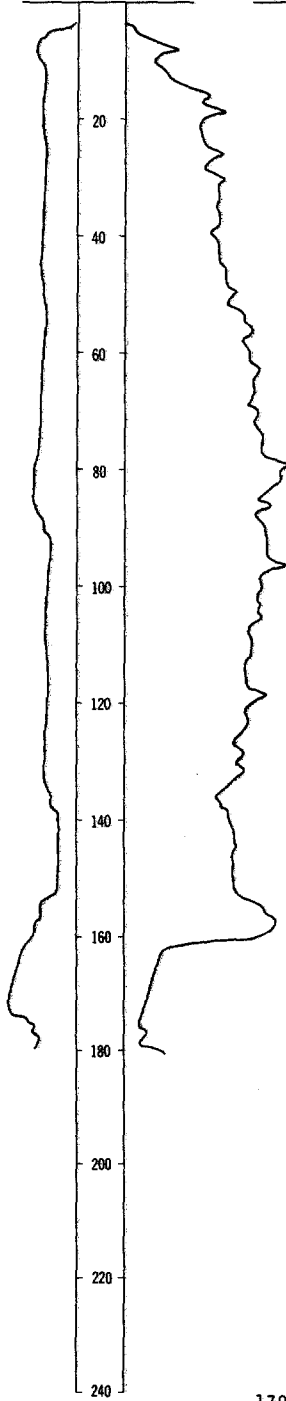
LOCATION: 130-054-32CCC

DATE DRILLED: 12/04/74

ALTITUDE: 1185  
(FT. NGVD)

DEPTH: 180  
(FT)

POTENTIAL (MV)      RESISTANCE (OHMS)



DESCRIPTION OF DEPOSITS

GLACIAL DRIFT

- 0-2 Loam, silty, dusky-yellowish-brown.
- 2-23 Clay, silty, sandy, pebbly, grayish-orange to dusky-yellowish-brown, oxidized (till).
- 23-70 Clay, silty, sandy, slightly pebbly, dark-gray; contains a few thin gravel lenses (till).
- 70-151 Clay, silty, sandy, pebbly, olive-gray (till).

- 151-159 Clay, silty, very sandy, dark-gray; contains gravel lenses (till).

PIERRE SHALE

- 159-180 Shale, grayish-black, slightly fissile.

130-054-32DDB  
(Log from Wieber Well Drilling)

Date drilled: 8/25/74

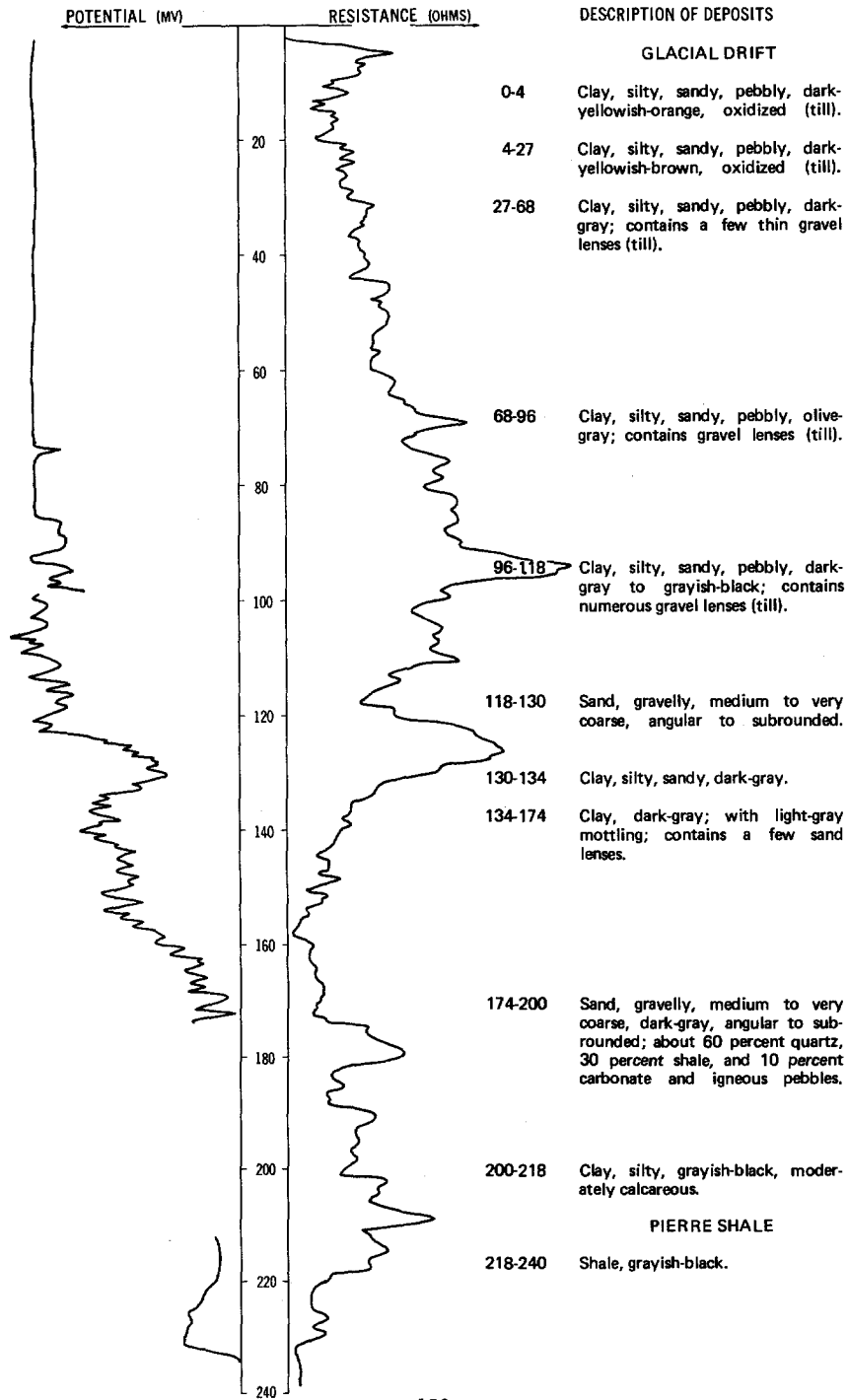
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, yellow-----	29	30
	Clay, blue; some sand from 90 to 110 feet-----	90	120
	Sand, fine, and clay-----	10	130
	Clay, blue, and sand-----	10	140
	Sand, coarse, water-bearing-----	10	150

LOCATION: 130-054-35CCC

DATE DRILLED: 12/05/74

ALTITUDE: 1180  
(FT, NGVD)

DEPTH: 240  
(FT)



130-054-36CCA  
(Log from John M. Manikowski)

		Date drilled: 7/01/74	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, yellow, gravelly-----	36	37
	Clay, blue, hard-----	51	88
	Sand and clay-----	10	98
	Sand, medium to coarse, water-bearing-----	6	104

130-055-01DAA  
(Log from Wieber Well Drilling)

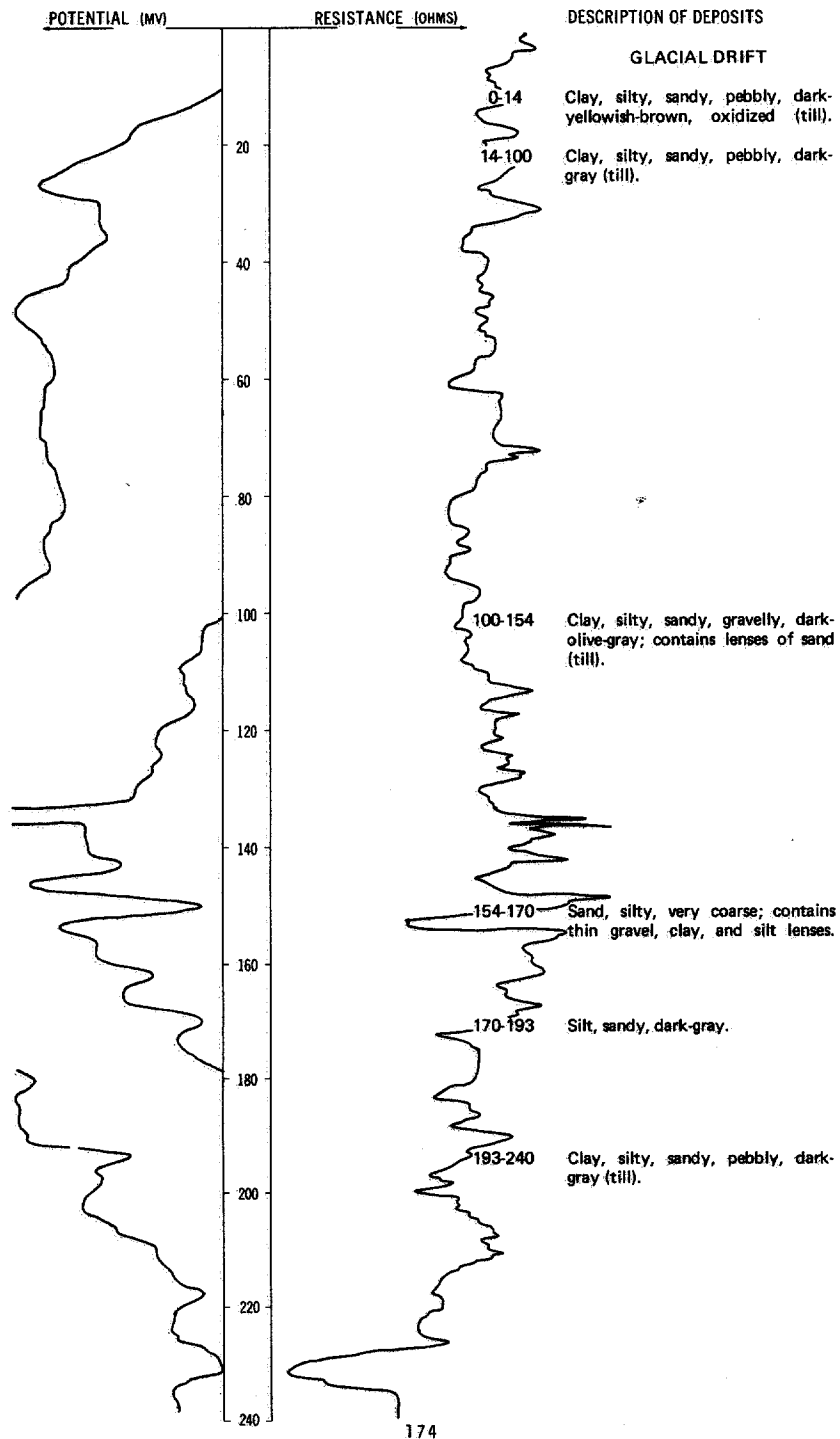
		Date drilled: 8/12/73	
	Soil, black-----	2	2
	Clay, yellow; many rocks-----	18	20
	Sand, fine, and clay-----	10	30
	Clay, yellow, and stones-----	30	60
	Clay, gray-----	50	110
	Clay, blue-gray, and sand-----	10	120
	Clay, rock, and coarse sand-----	20	140
	Clay, blue-----	10	150
	Sand, fairly coarse, gray, layered, water-----	6	156

LOCATION: 130-055-048BB

DATE DRILLED: 10/08/75

ALTITUDE: 1232  
(FT, NGVD)

DEPTH: 260  
(FT)

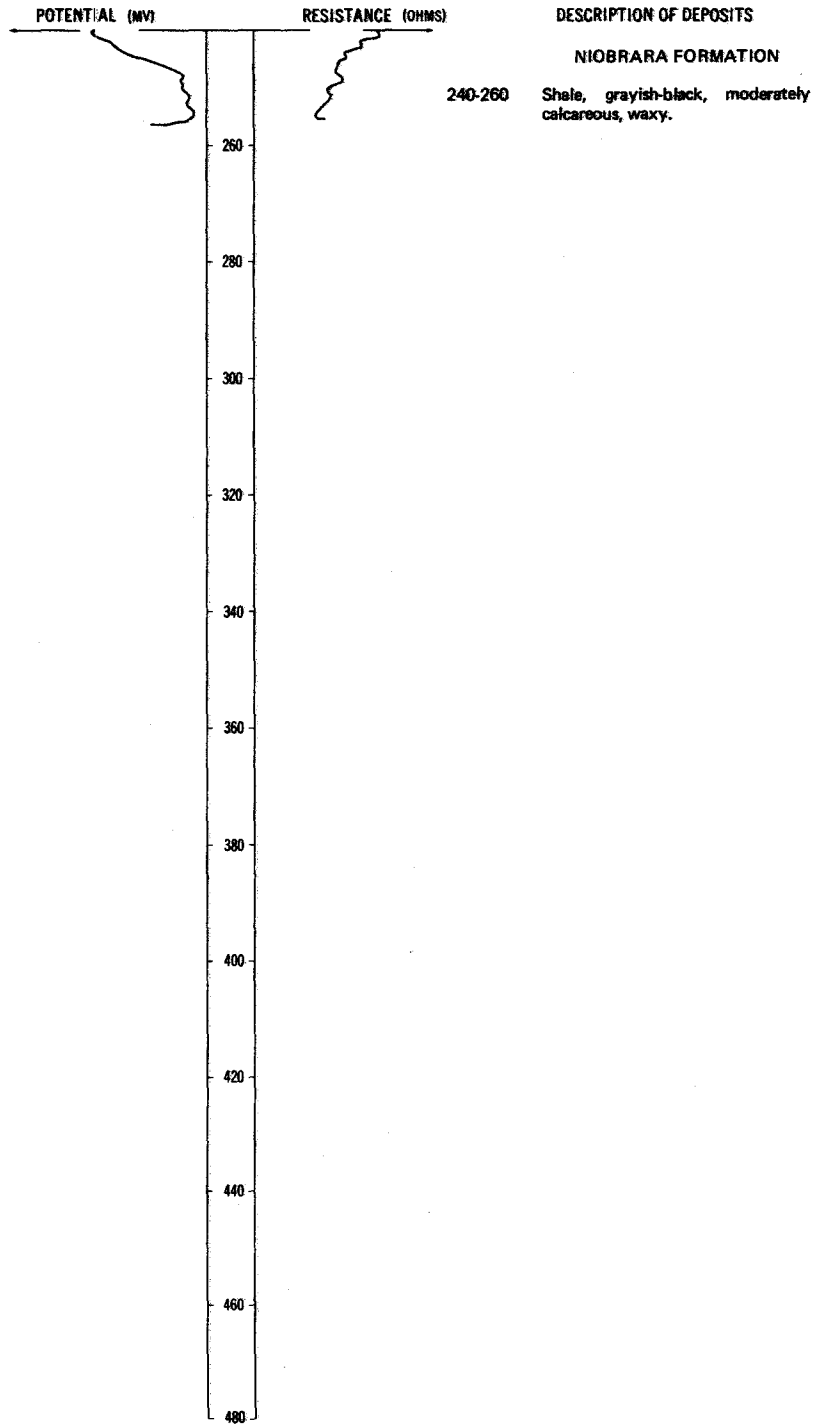


LOCATION: 130-055-04888

DATE DRILLED: 10/08/75

ALTITUDE: 1232  
(FT, NSVD)

DEPTH: 260  
(FT)

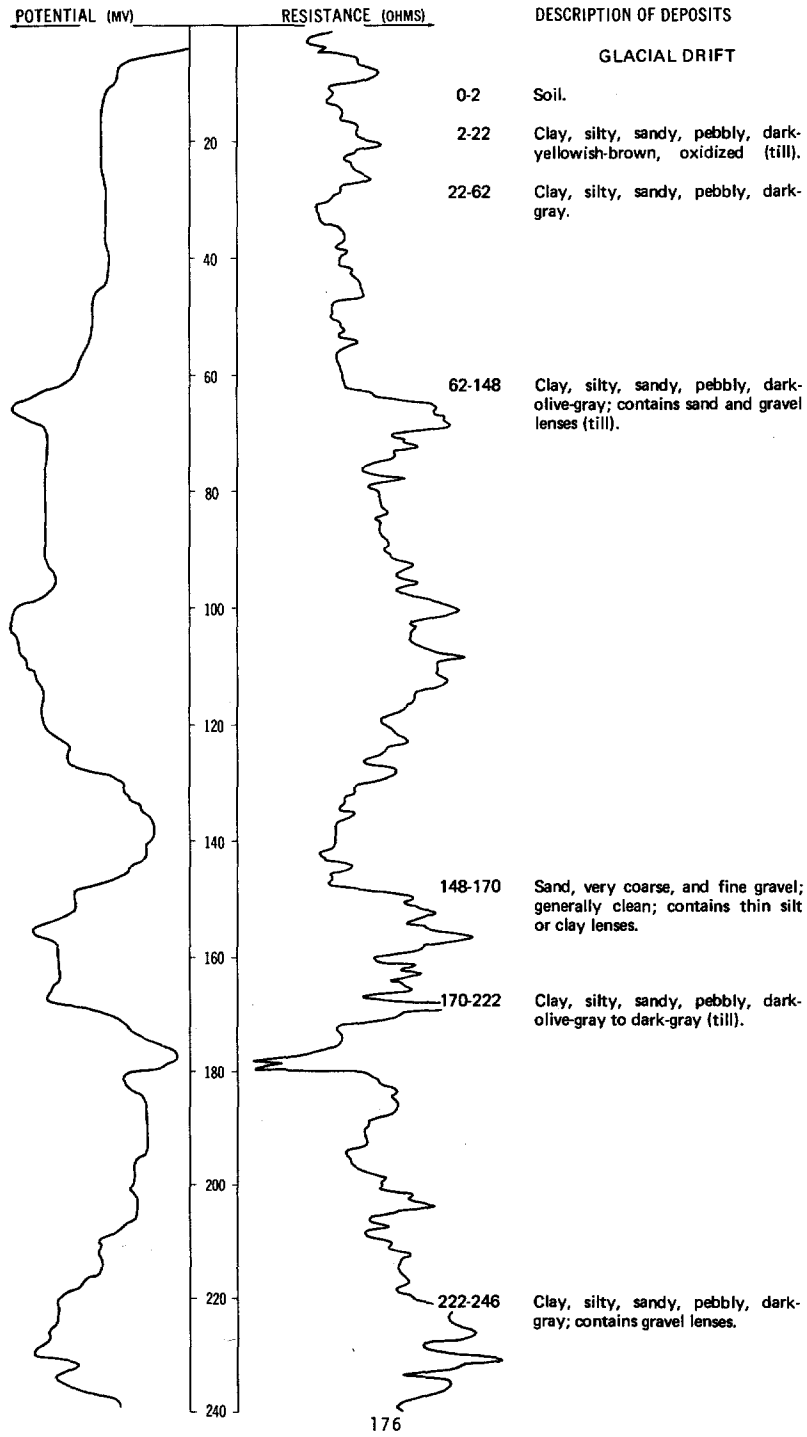


LOCATION: 130-055-06ABB

DATE DRILLED: 10/08/75

ALTITUDE: 1250  
(FT, NGVD)

DEPTH: 260  
(FT)



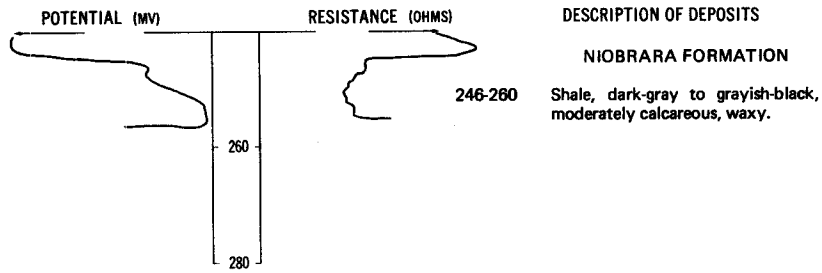
NDSWC 4837, Continued

LOCATION: 130-055-06ABB

DATE DRILLED: 10/08/75

ALTITUDE: 1250  
(FT, NGVD)

DEPTH: 260  
(FT)



130-055-07BBC  
(Log from Wieber Well Drilling)

Date drilled: 12/20/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	43	45
	Clay, blue	50	95
	Clay, blue, gravelly, and sand layers	35	130
	Sand, fine; clay layers	25	155
	Sand, water-bearing	9	164

130-055-07CDD  
(Log from Wieber Well Drilling)

Date drilled: 6/29/74

	Soil, black	1	1
	Clay, yellow; small stones	29	30
	Clay, yellow; gravel and sand strips	15	45
	Clay, blue	75	120
	Clay, blue; hard layers of sand	20	140
	Clay, blue	20	160
	Sand, coarse, gray	20	180



130-055-10ADD  
(Log from Wieber Well Drilling)

Date drilled: 7/16/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, yellow; few stones-----	28	30
	Gravel strips-----	10	40
	Clay, blue-----	60	100
	Clay, blue; with sand layers-----	20	120
	Sand, coarse; with clay-----	30	150
	Sand, gray, fine-----	10	160
	Sand, coarse, water-----	14	174

130-055-18DDD  
(Log modified from Independent Drilling Co.)

Date drilled: 11/11/72

Glacial drift:		120	120
Carlisle Formation(?):			
	Shale-----	340	460
Greenhorn Formation:		20	480
Belle Fourche Shale(?):			
	Shale-----	187	667
Dakota Sandstone:		220	887

130-055-21DBD  
(Log from Wieber Well Drilling)

Date drilled: 5/31/74

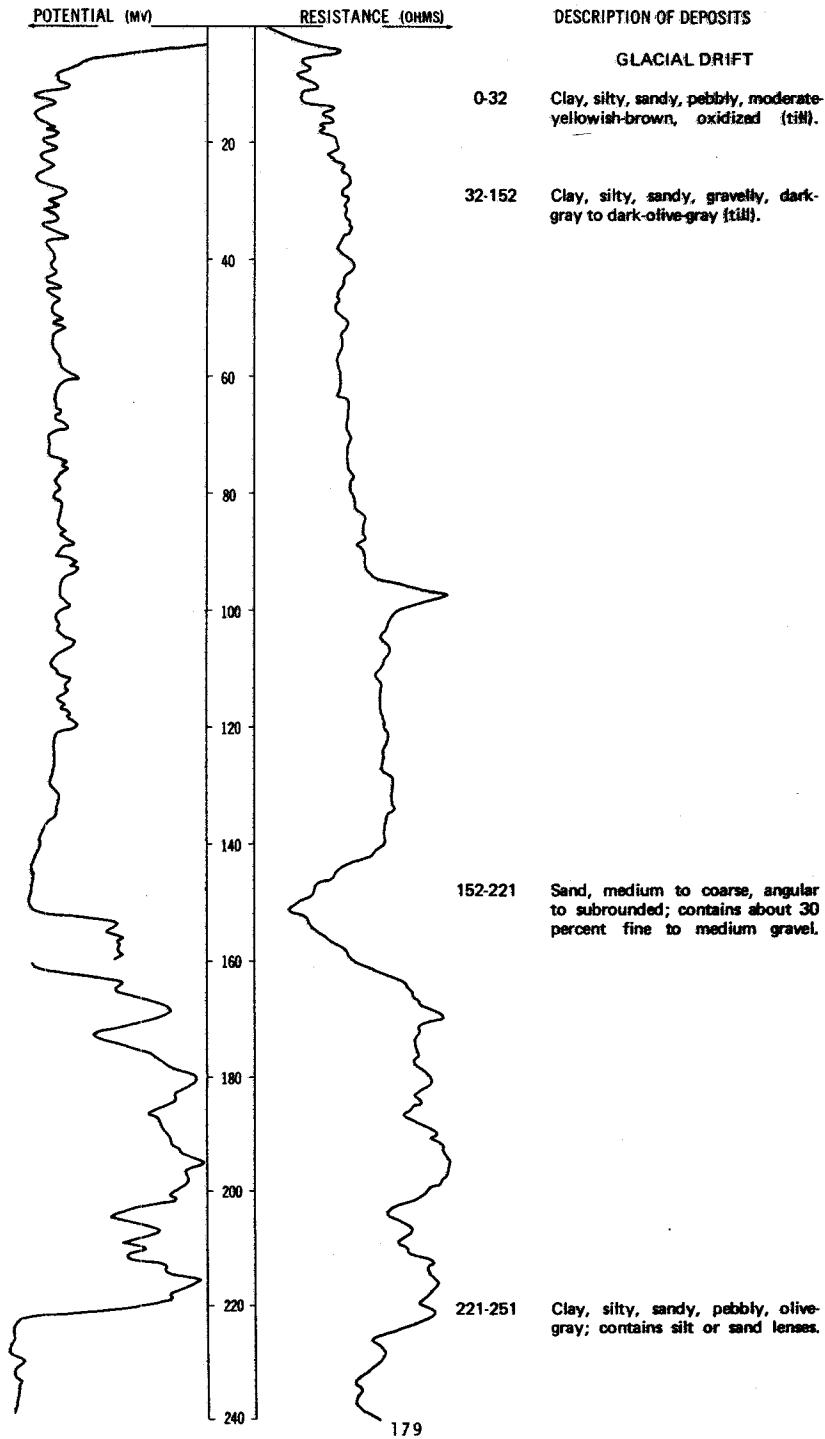
	Soil, black-----	2	2
	Clay, yellow; few small stones-----	28	30
	Gravel-----	5	35
	Clay, blue; scattered layers of sand-----	55	90
	Clay, blue-----	30	120
	Clay, blue; few small rocks-----	30	150
	Sand, fine, muddy-----	10	160
	Clay; mixed with fine sand layers-----	8	168
	Sand, medium, grayish, homogeneous-----	12	180

LOCATION: 130-055-25AAA

DATE DRILLED: 12/09/74

ALTITUDE: 1220  
(FT, NGVD)

DEPTH: 280  
(FT)



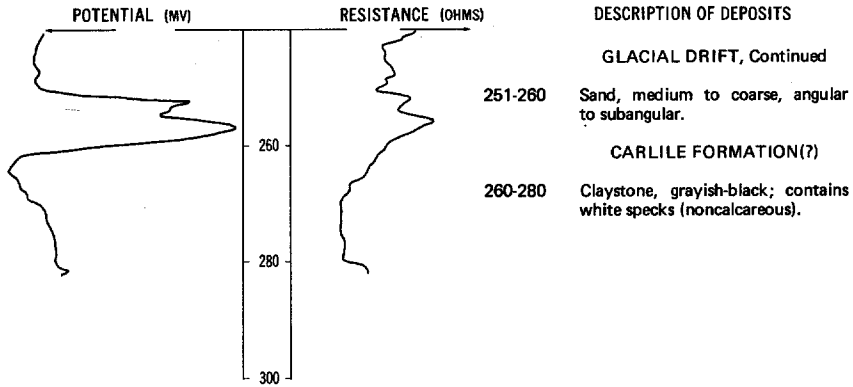
NDSWC 9252, Continued

LOCATION: 130-055-25AAA

DATE DRILLED: 12/09/74

ALTITUDE: 1220  
(FT, NGVD)

DEPTH: 280  
(FT)



130-055-26AAA  
(Log from Falk Bros. Well Drilling)

Date drilled: 11/30/72

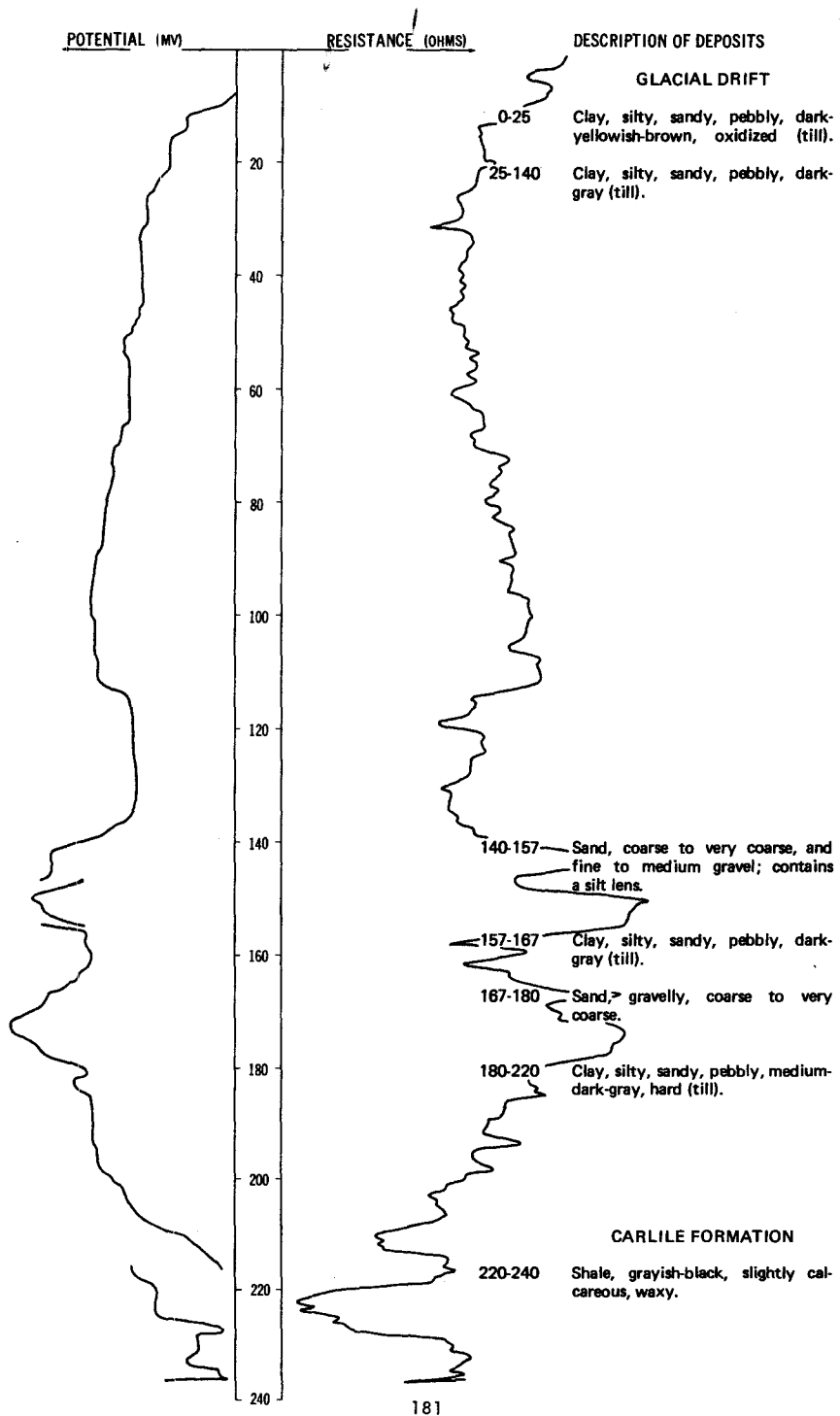
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow	15	15
	Shale	120	135
	Sand	15	150

LOCATION: 130-056-01ABB

DATE DRILLED: 10/15/75

ALTITUDE: 1247  
(FT, NGVD)

DEPTH: 240  
(FT)

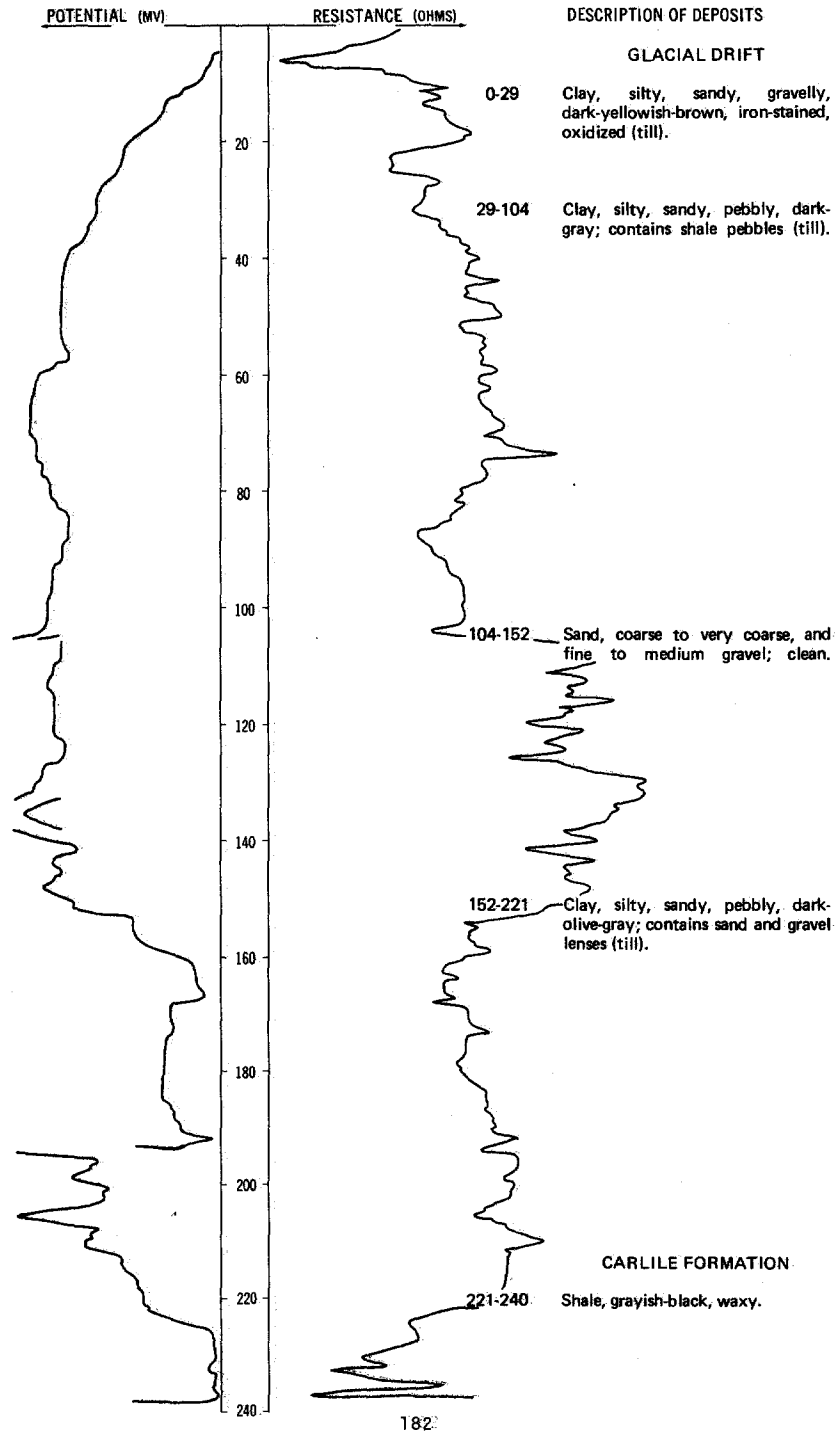


LOCATION: 130-056-02BBB

DATE DRILLED: 10/15/75

ALTITUDE: 1260  
(FT, NGVD)

DEPTH: 240  
(FT)



130-056-05ADD  
(Log from Wieber Well Drilling)

Date drilled: 9/10/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	2	2
	Clay, yellow, stony	28	30
	Clay, blue	10	40
	Clay, gray	30	70
	Sand, fine	10	80
	Clay, blue	80	140
	Sand, medium, muddy	10	150
	Sand, water-producing	10	160

130-056-06ABB2  
(Log from Vrchota Well Drilling)

Date drilled: 8/09/74

	Dirt, black	1	1
	Clay, yellow	18	19
	Clay, blue, soft	99	118
	Clay, blue, hard, sandy	42	160
	Clay, blue; with sand layers	7	167
	Clay, bluish-gray	42	209
	Shale, soft, rolled	10	219
	Sand, coarse	11	230
	Clay, blue	---	230

130-056-12ADA  
(Log from Wieber Well Drilling)

Date drilled: 10/03/74

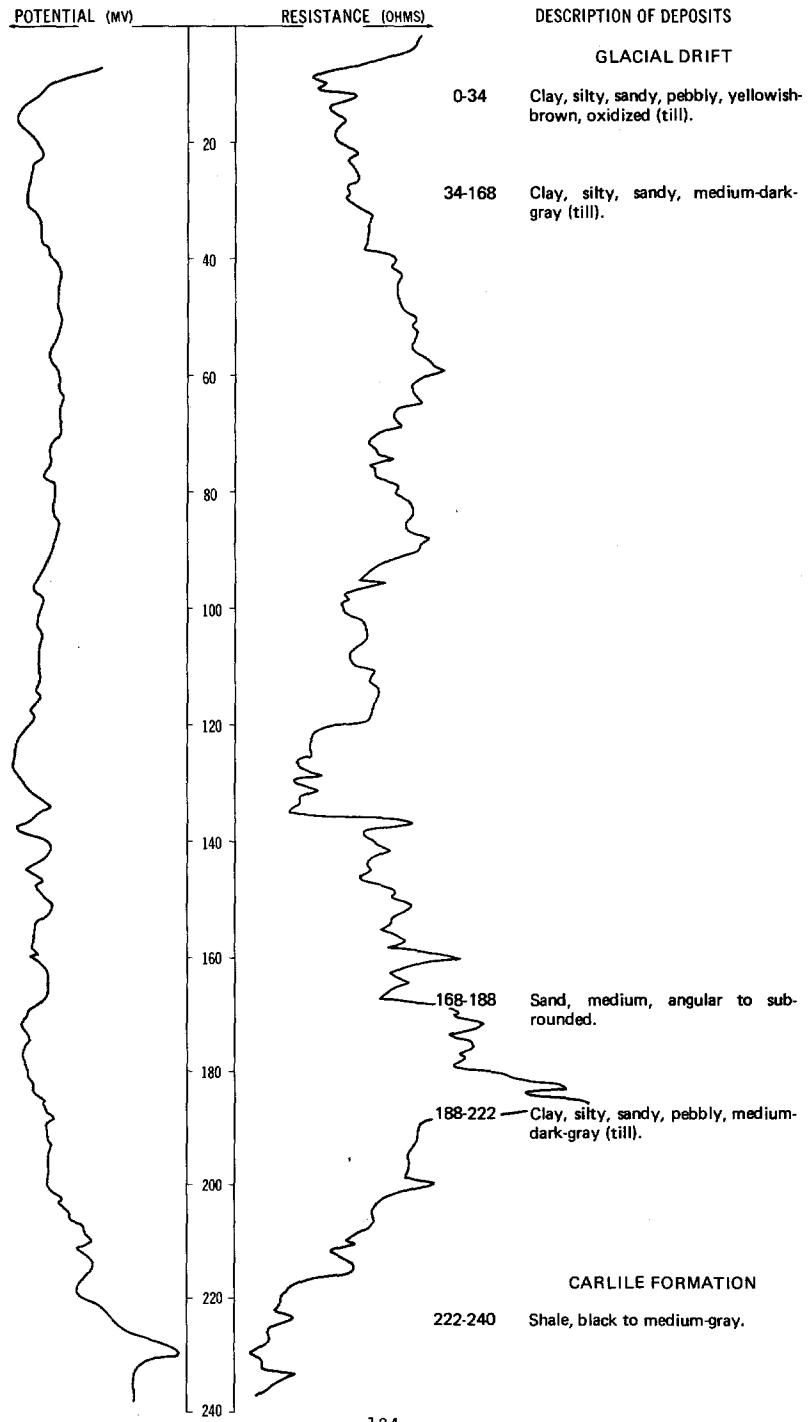
	Topsoil, black	1	1
	Clay, yellow, gravelly	29	30
	Clay, light; gravel lens	10	40
	Clay, blue	80	120
	Sand, fine, dirty	20	140
	Sand, fine to coarse layers	19	159
	Sand, medium, good	10	169

LOCATION: 130-056-14BBB

DATE DRILLED: 8/31/77

ALTITUDE: 1260  
(FT, NGVD)

DEPTH: 240  
(FT)

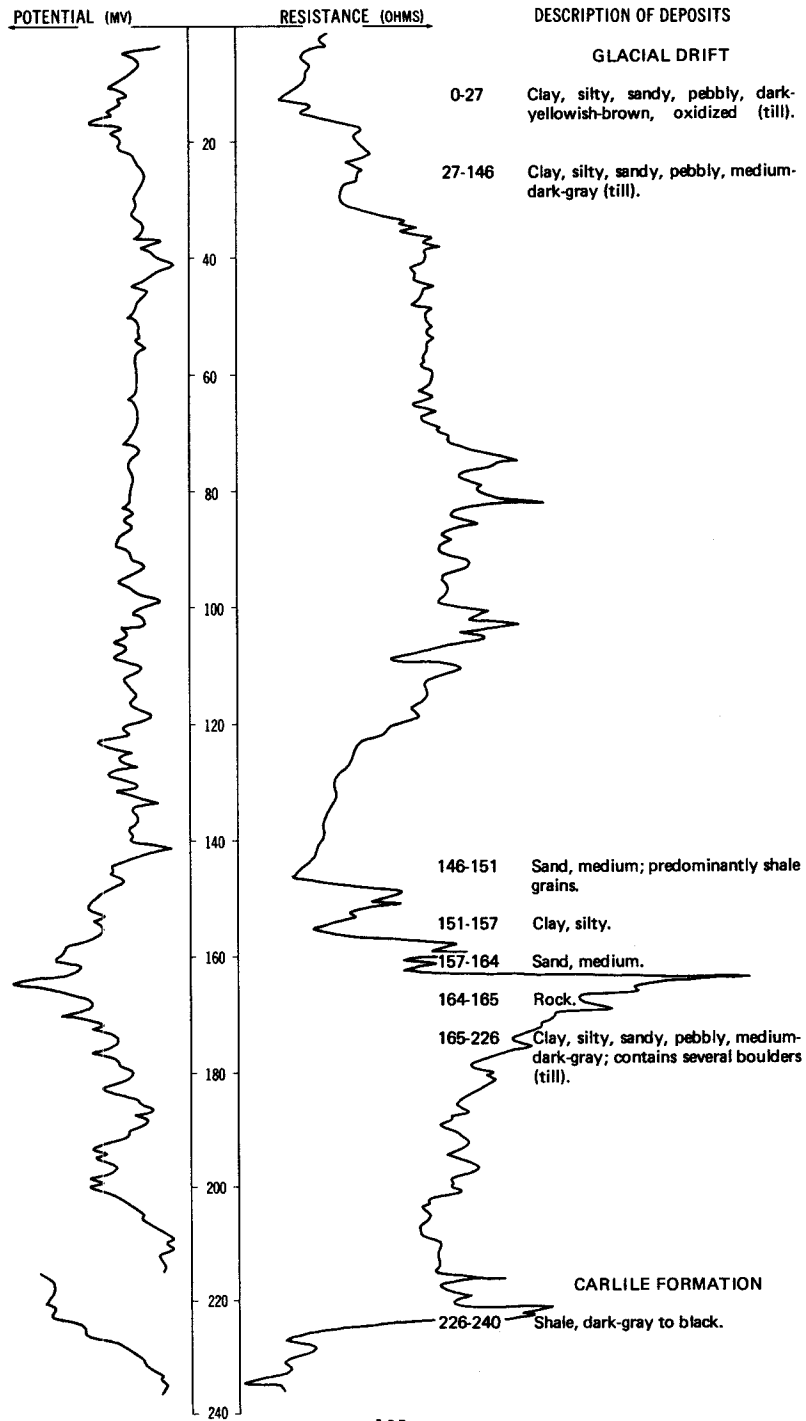


LOCATION: 130-056-14CCC

DATE DRILLED: 9/01/77

ALTITUDE: 1265  
(FT, NGVD)

DEPTH: 240  
(FT)





130-056-19DCD  
(Log from Vrchota Well Drilling)

Date drilled: 7/23/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	25	27
	Clay, blue, soft	52	79
	Sand, coarse, and shale	7	86
	Clay, bluish-gray	28	114
	Sand, coarse, and black shale	9	123

130-056-29CCC  
(Log from Vrchota Well Drilling)

Date drilled: 12/08/73

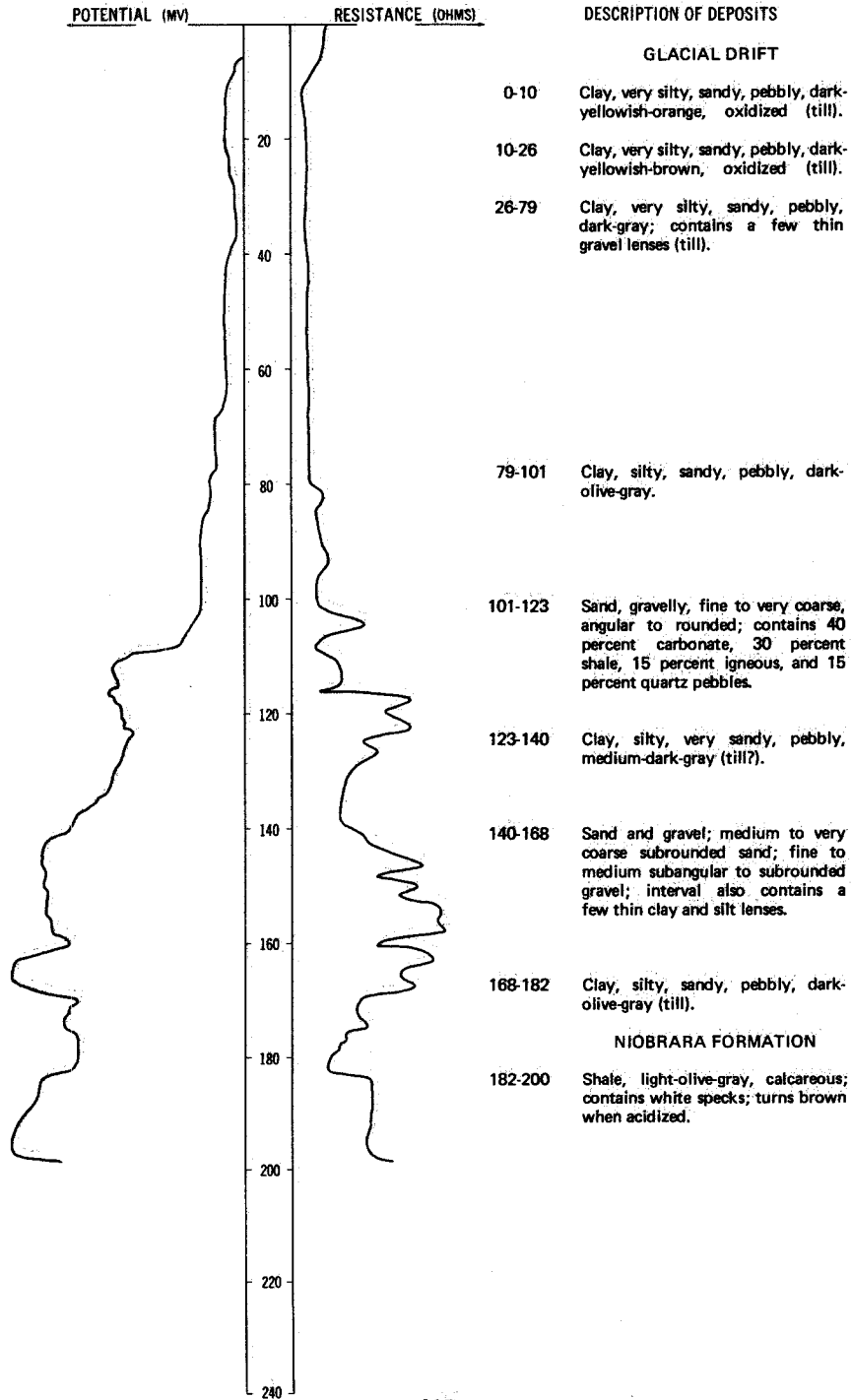
	Dirt, black	2	2
	Clay, yellow	12	14
	Clay, blue	67	81
	Sand	2	83
	Clay, sandy, blue	21	104
	Sand and gravel; mixed with hard black shale	61	165

LOCATION: 130-057-01CCC

DATE DRILLED: 11/21/74

ALTITUDE: 1302  
(FT, NGVD)

DEPTH: 200  
(FT)

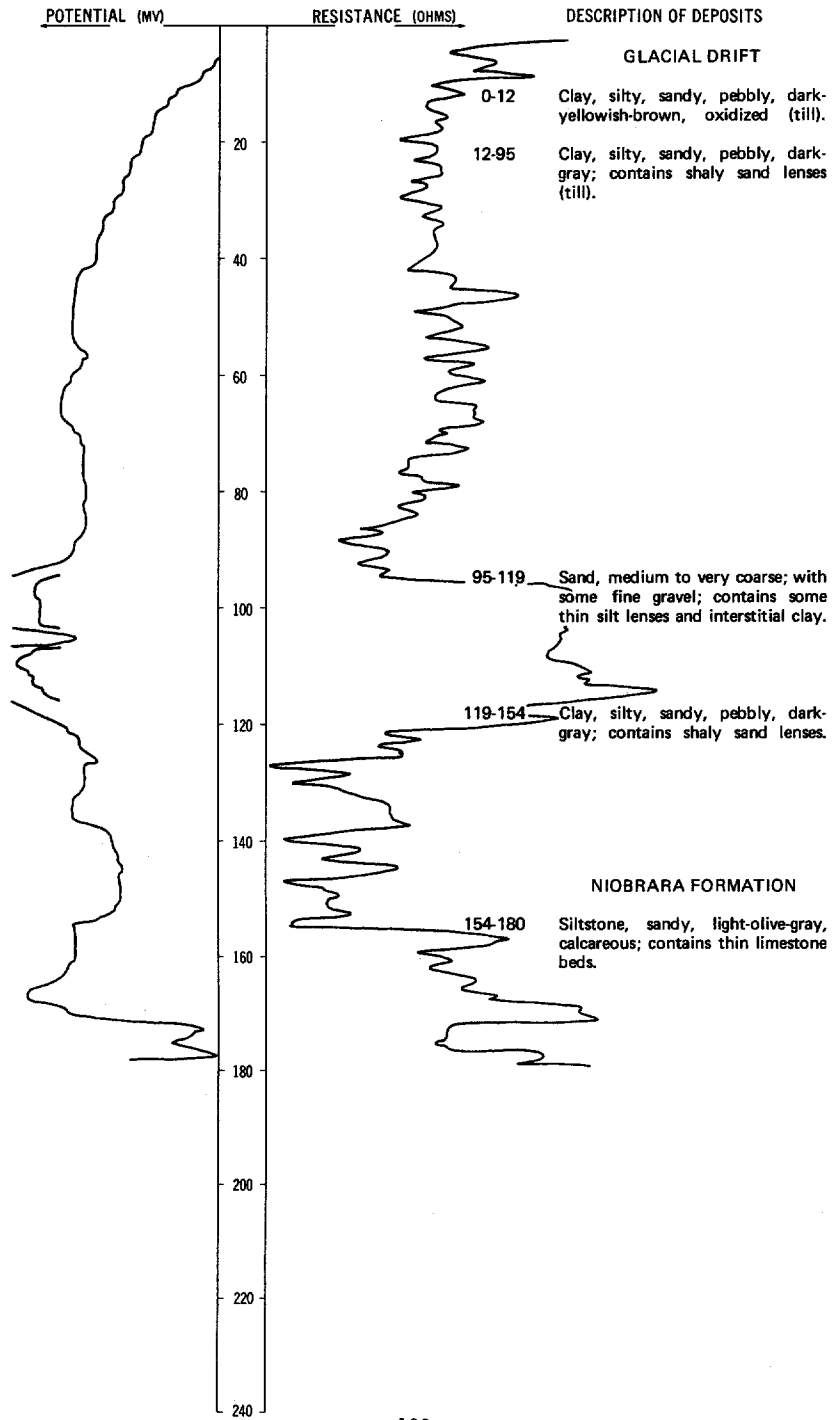


LOCATION: 130-057-03AAA1

DATE DRILLED: 10/16/75

ALTITUDE: 1318  
(FT, NGVD)

DEPTH: 180  
(FT)



130-057-03AAA2  
USBR W-103

Altitude:	1319 feet	Date drilled:	3/13/67
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Sand, fine, loamy-----	3	3
	Loam-----	7	10
	Loam, clayey (till)-----	10	20

130-057-04DDD  
USBR W-101

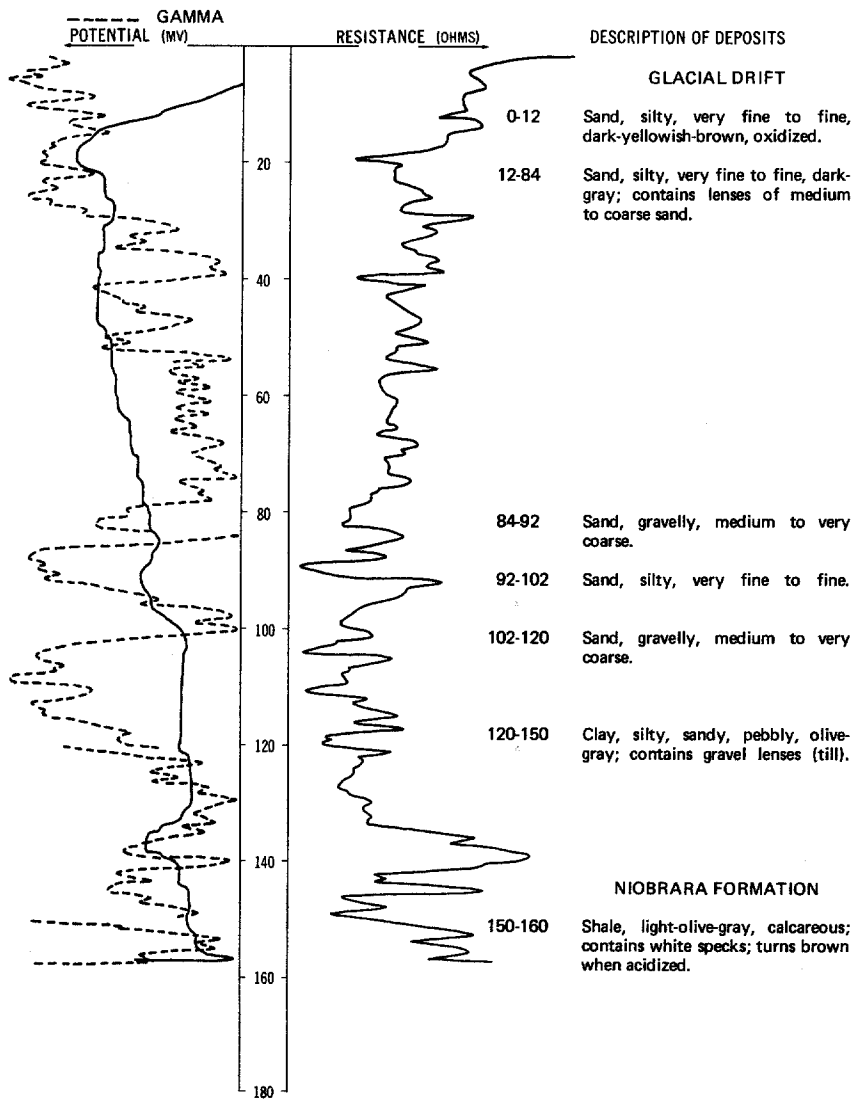
Altitude:	1296 feet	Date drilled:	3/10/67
Glacial drift:			
	Loam, silty-----	1	1
	Sand, very fine-----	5	6
	Sand, very fine, loamy-----	2	8
	Sand, very fine-----	10	18
	Loam-----	2	20

LOCATION: 130-057-05AAA1

DATE DRILLED: 10/16/75

ALTITUDE: 1299  
(FT, NGVD)

DEPTH: 160  
(FT)



130-057-05AAA2  
USBW W-16

Altitude: 1303 feet

Date drilled: 10/24/66

GEOLOGIC SOURCE MATERIAL

THICKNESS DEPTH  
(FEET) (FEET)

Glacial drift:

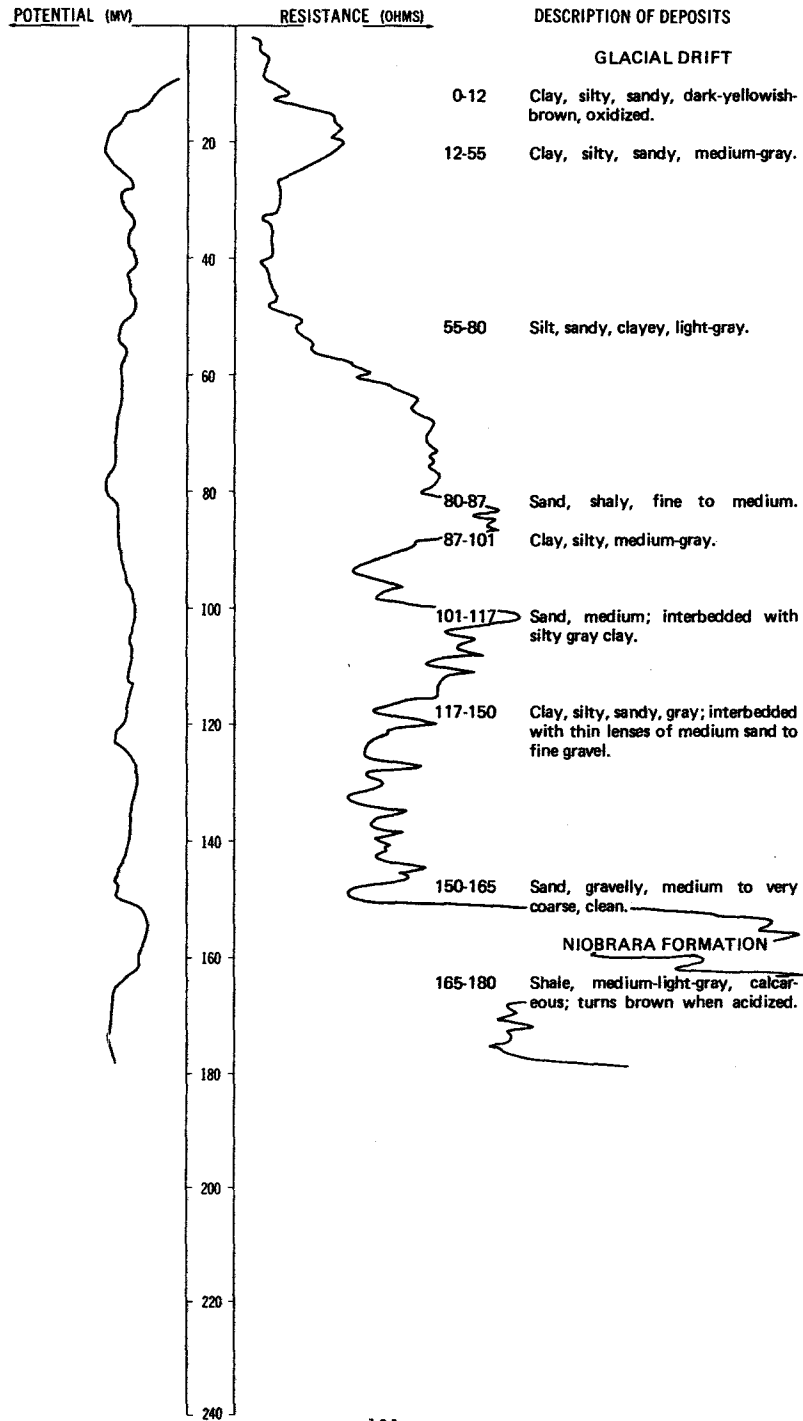
Loam, fine, sandy	1	1
Sand, fine	19	20

LOCATION: 130-057-05BBB1, 2

DATE DRILLED: 8/30/77

ALTITUDE: 1302  
(FT, NGVD)

DEPTH: 180  
(FT)



130-057-06DDD  
USBR W-99

Altitude:	1303 feet	Date drilled:	3/09/67
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Clay, silty, dense, plastic-----	2	2
	Loam, silty; gray streaks-----	4	6
	Loam, very fine, sandy; shale chips-----	14	20

130-057-07CCC  
USBR W-33

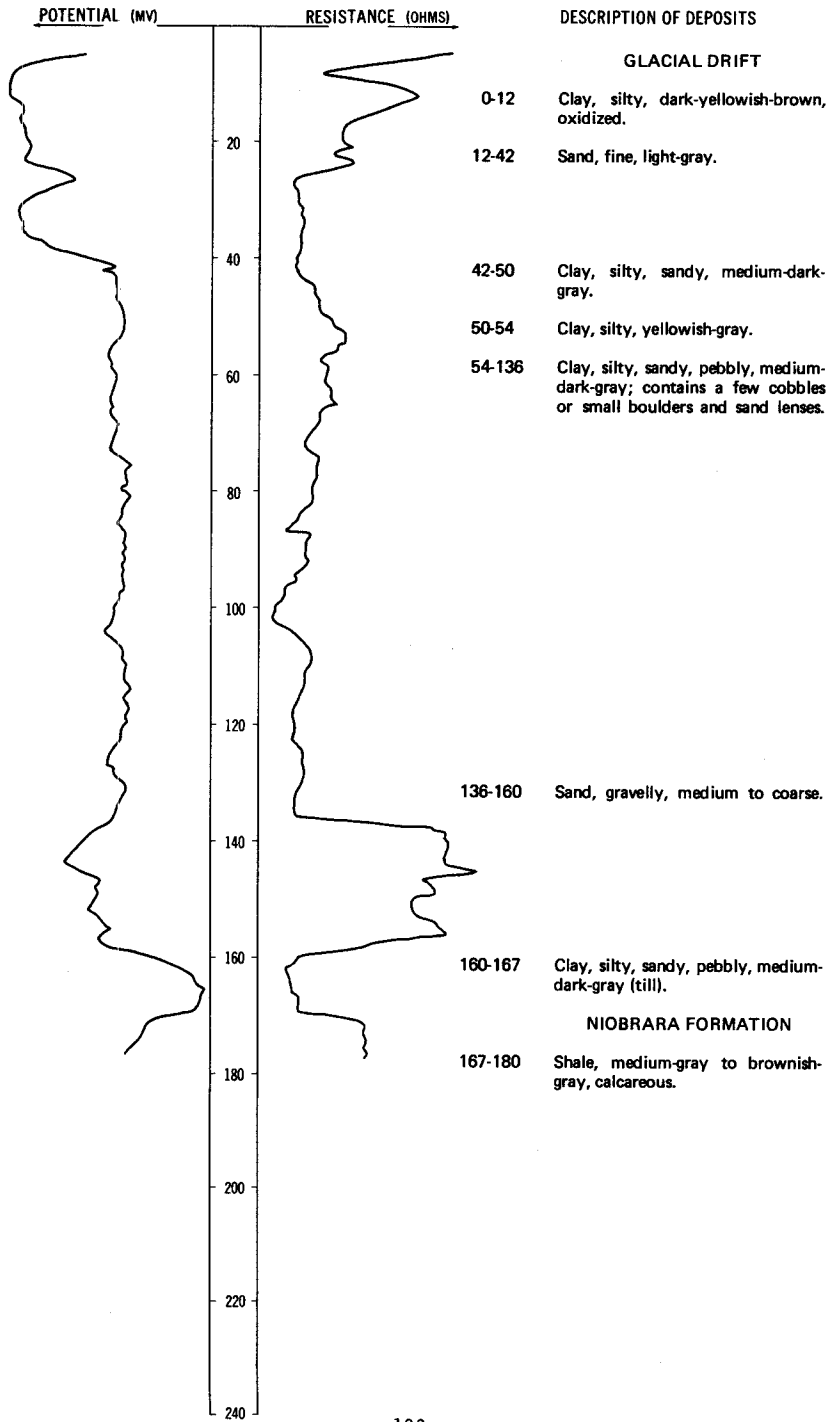
Altitude:	1308 feet	Date drilled:	11/18/66
Glacial drift:			
	Loam, silty-----	1	1
	Clay, silty-----	1	2
	Loam, silty-----	7	9
	Loam-----	3	12
	Sand, fine-----	8	20

130-057-08CBB  
(Log from Vrchota Well Drilling)

		Date drilled:	8/06/74
	Dirt, black-----	1	1
	Sand, yellow, fine, clayey-----	15	16
	Sand, blue, fine, clayey-----	42	58
	Sand, blue, fine-----	14	72
	Sand, blue, fine, clayey-----	31	103
	Clay, blue-----	22	125
	Sand, coarse, and black shale-----	10	135
	Clay, blue-----	---	135

LOCATION: 130-057-08DDD1, 2  
 ALTITUDE: 1290  
 (FT, NGVD)

DATE DRILLED: 8/30/77  
 DEPTH: 180  
 (FT)





130-057-09BBB  
USBR W-100

Altitude: 1295 feet

Date drilled: 3/10/69

GEOLOGIC  
SOURCE MATERIAL

THICKNESS DEPTH  
(FEET) (FEET)

Glacial drift:

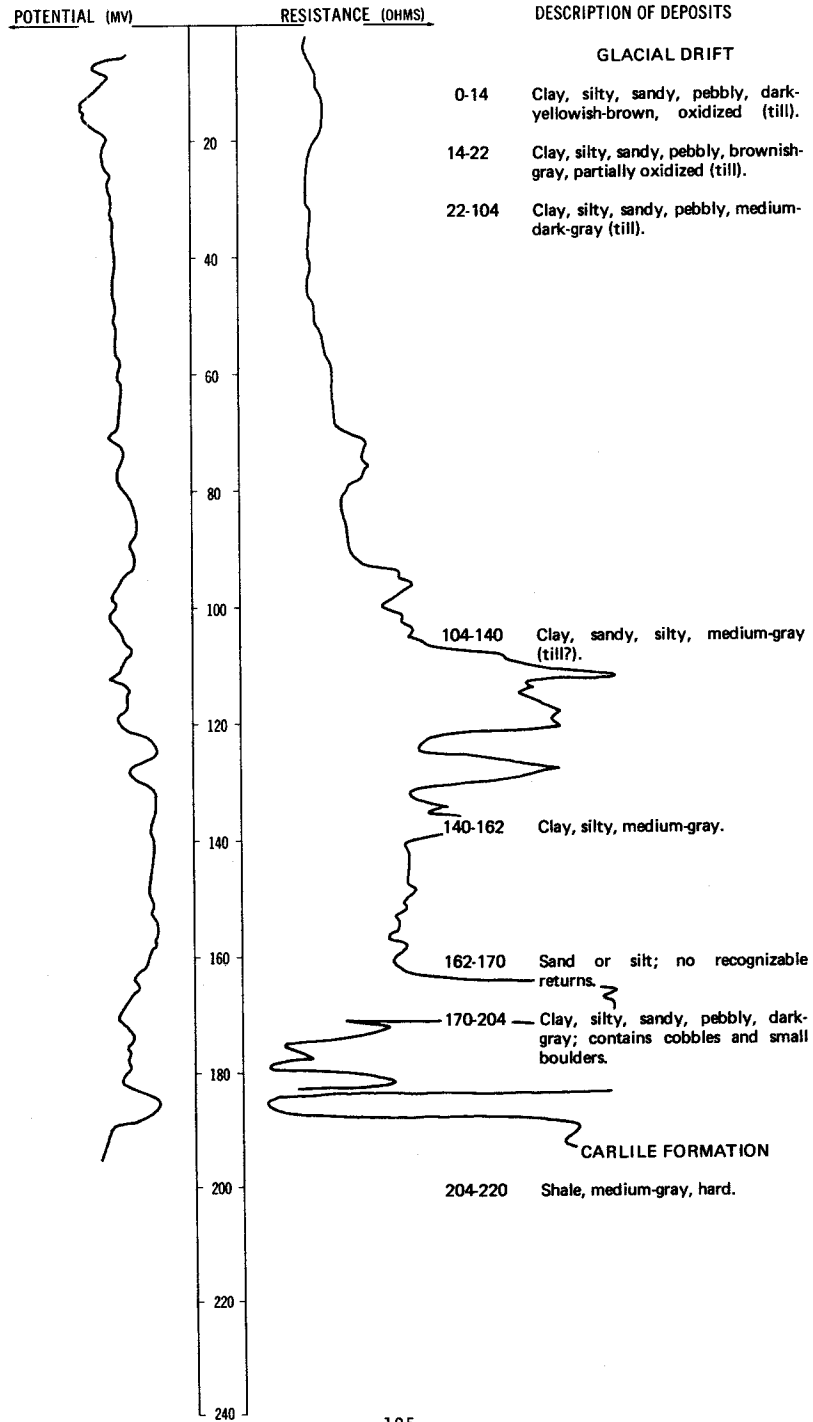
Clay, silty, dense, limey-----	4	4
Loam, sandy-----	4	8
Sand, very fine, even-grained-----	12	20

LOCATION: 130-057-09DDD

DATE DRILLED: 8/30/77

ALTITUDE: 1309  
(FT, NGVD)

DEPTH: 220  
(FT)



130-057-14AAA  
(Log from Vrchota Well Drilling)

Date drilled: 10/31/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	4	6
	Sand	1	7
	Clay, yellow	14	21
	Clay, blue	76	97
	Sand	2	99
	Clay, blue	4	103
	Sand	2	105
	Clay, blue	8	113
	Sand	4	117
	Clay, blue	28	145
	Sand	2	147
	Clay, bluish-gray	13	160
	Sand, coarse, loose	5	165

130-057-16ADA  
(Log from Wieber Well Drilling)

Date drilled: 7/30/73

	Soil, black	4	4
	Clay, yellow	16	20
	Clay, yellow; some soft; some hard	20	40
	Clay, blue; layers of fine sand	50	90
	Sand, fine; some water	10	100
	Sand, fairly coarse, water	30	130

130-057-17AAA  
USBR W-32

Altitude:	1294 feet	Date drilled:	11/18/66
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Clay, silty-----	2	2
	Loam, silty-----	4	6
	Sand, fine-----	14	20

130-057-20AAA  
USBR W-92

Altitude:	1296 feet	Date drilled:	3/08/67
Glacial drift:			
	Sand, very fine, loamy-----	5	5
	Sand, fine-----	10	15
	Sand, fine, loamy-----	2	17
	Loam, silty-----	3	20

130-057-30AAA  
USBR W-39

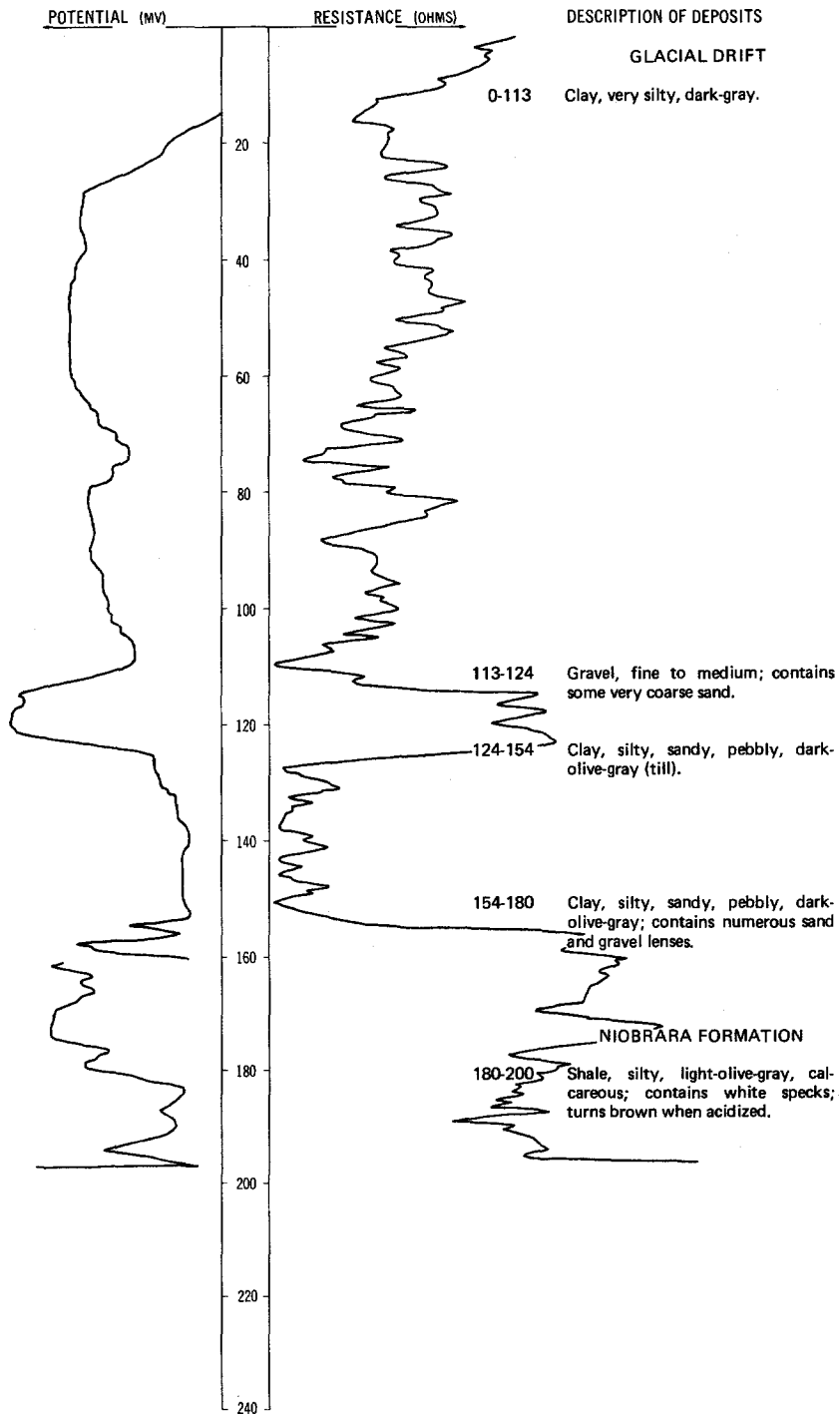
Altitude:	1292 feet	Date drilled:	11/21/66
Glacial drift:			
	Loam, silty-----	4	4
	Clay, silty-----	1	5
	Loam, silty-----	1	6
	Loam, sandy-----	1	7
	Sand, fine-----	2	9
	Sand, fine, loamy-----	6	15
	Sand, fine-----	5	20

LOCATION: 130-058-01DDD

DATE DRILLED: 10/16/75

ALTITUDE: 1304  
(FT, NGVD)

DEPTH: 200  
(FT)



130-058-08DCC  
(Log from Green Circle Supply Co.)

Date drilled: 2/18/77

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, brown, silty, oxidized-----	19	20
	Clay, gray, soft-----	19	39
	Sand, medium, clean, good-----	6	45
	Gravel and sand; salt and pepper-----	59	104
	Gravel lens-----	1	105
	Clay, gray-----	39	144
	Cobble, gravelly-----	1	145

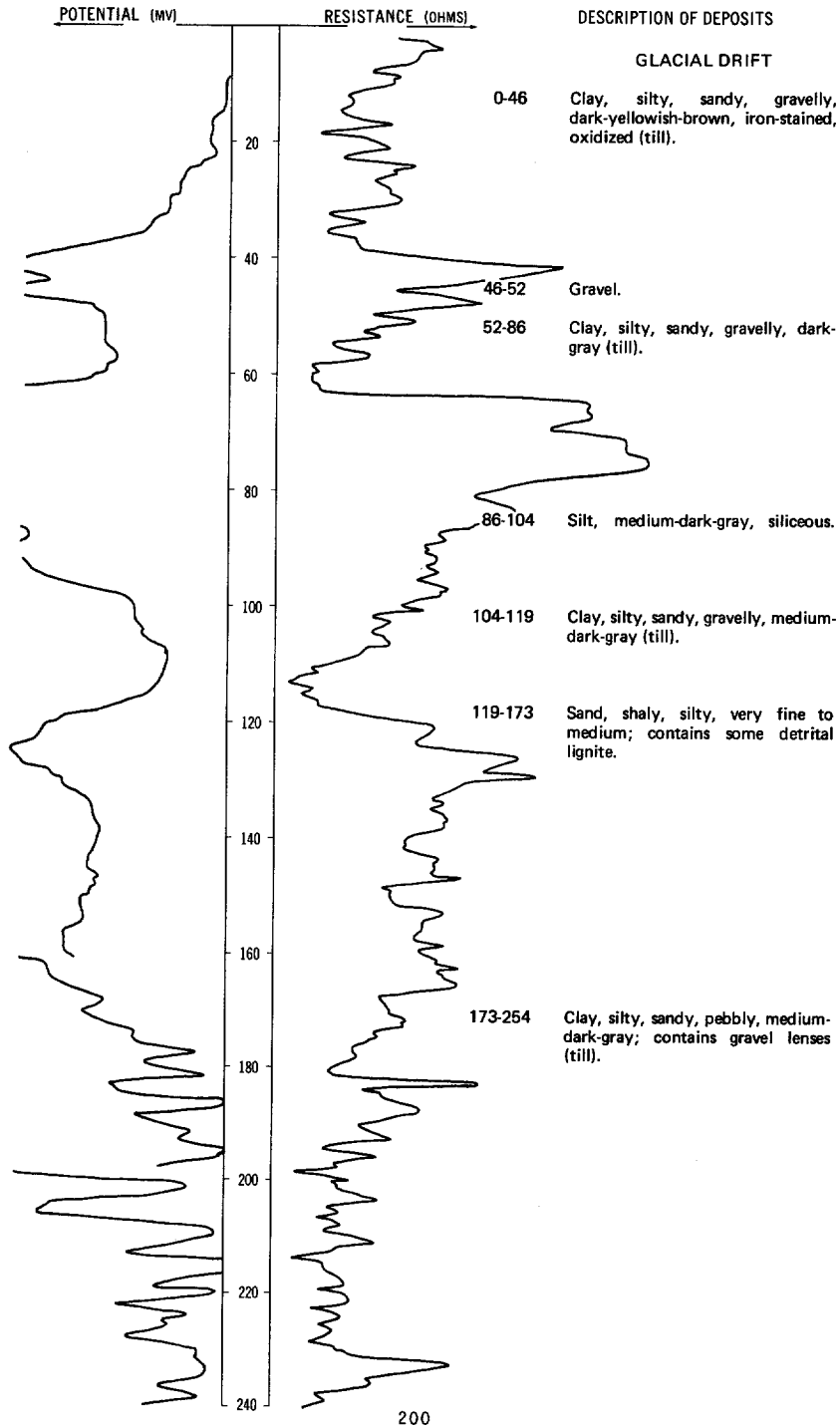
130-058-08DCD  
(Log from Green Circle Supply Co.)

Date drilled: 2/15/77

	Topsoil-----	1	1
	Gravel, coarse, and medium sand; oxidized; dry-----	9	10
	Sand and gravel, clayey, oxidized-----	6	16
	Sand, coarse, gravelly-----	24	40
	Silt, fine, saturated-----	35	75
	Sand, medium to coarse, clean, well-rounded; with layers of fine sand-----	12	87
	Sand, clayey-----	7	94
	Clay, soft, saturated-----	46	140
	Silt, very fine, clayey, saturated-----	36	176
	Gravel, coarse, and clay; somewhat cemented (till)-----	62	238
	Shale-----	2	240

LOCATION: 130-058-09AAA  
ALTITUDE: 1402  
(FT, NGVD)

DATE DRILLED: 10/17/75  
DEPTH: 280  
(FT)

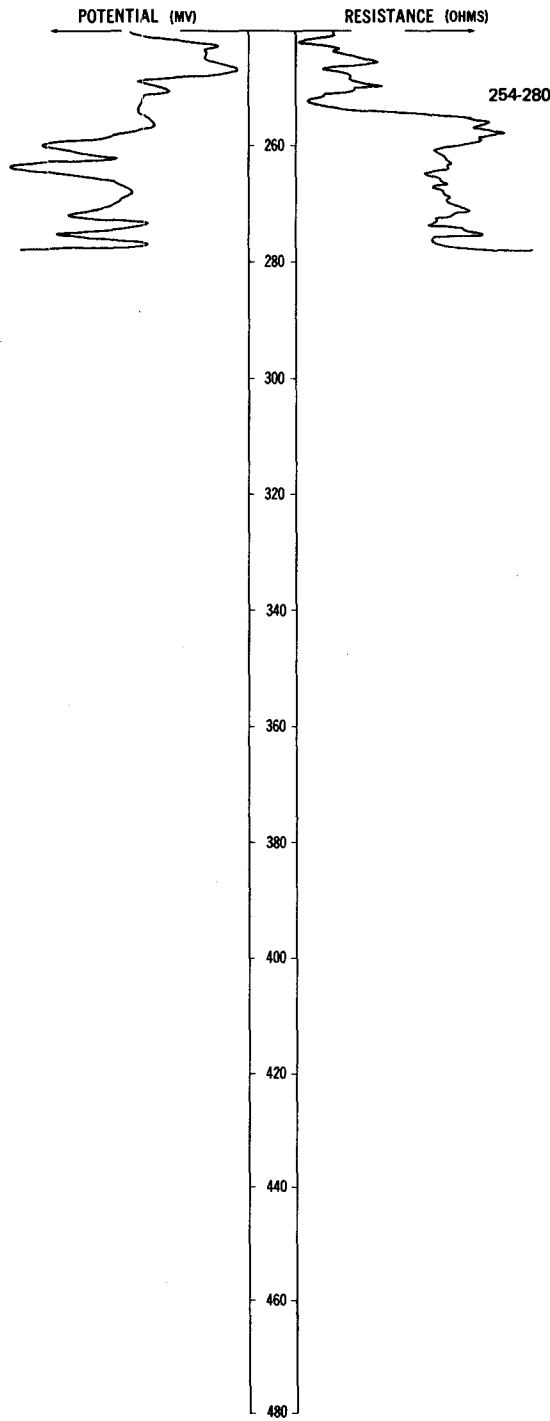


LOCATION: 130-058-09AAA

DATE DRILLED: 10/17/75

ALTITUDE: 1402  
(FT, NGVD)

DEPTH: 280  
(FT)



DESCRIPTION OF DEPOSITS

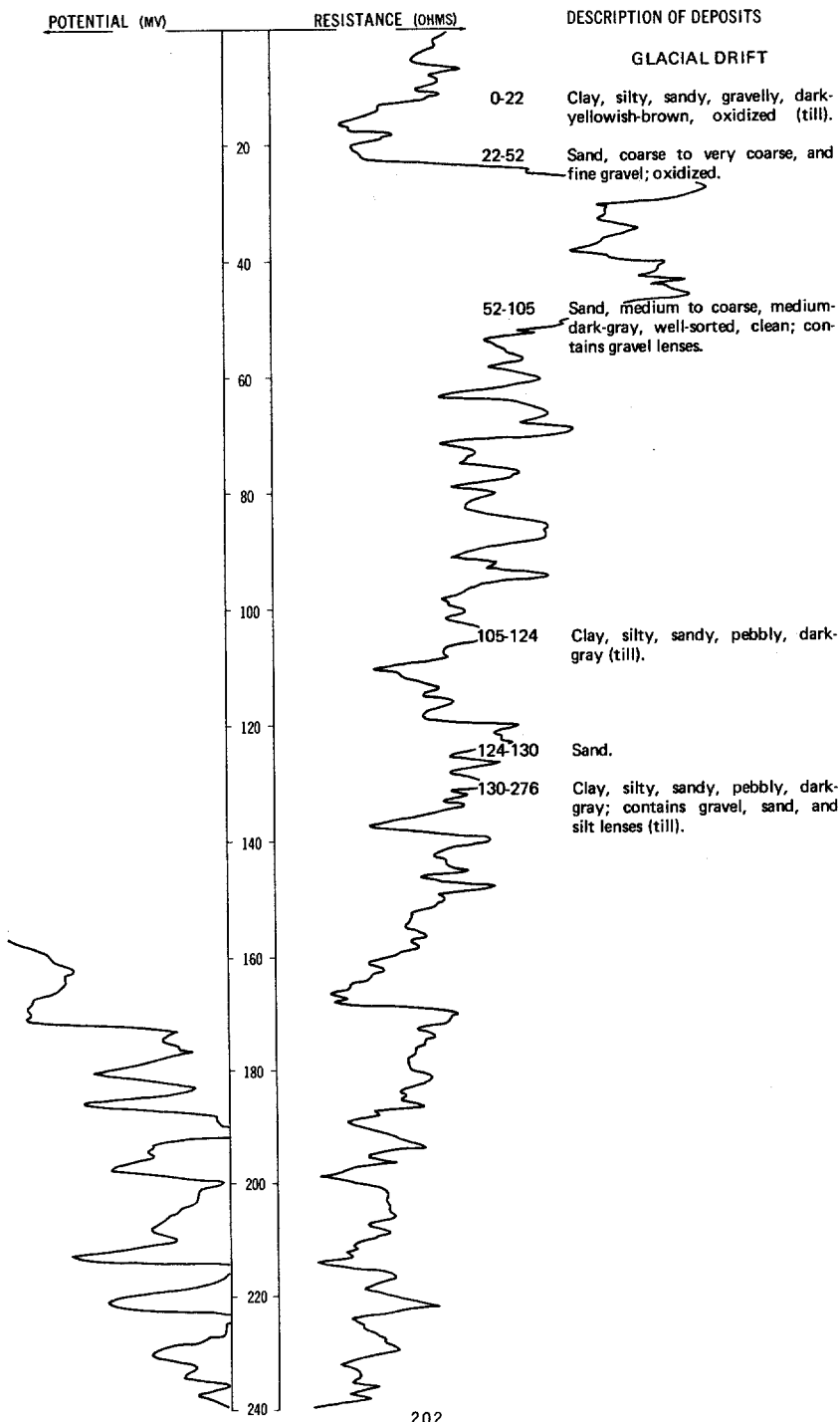
NIOBRARA FORMATION

Shale, light-olive-gray, calcareous;  
contains white specks.



LOCATION: 130-058-11BAA1, 2  
 ALTITUDE: 1420  
 (FT, NGVD)

DATE DRILLED: 10/17/75  
 DEPTH: 300  
 (FT)

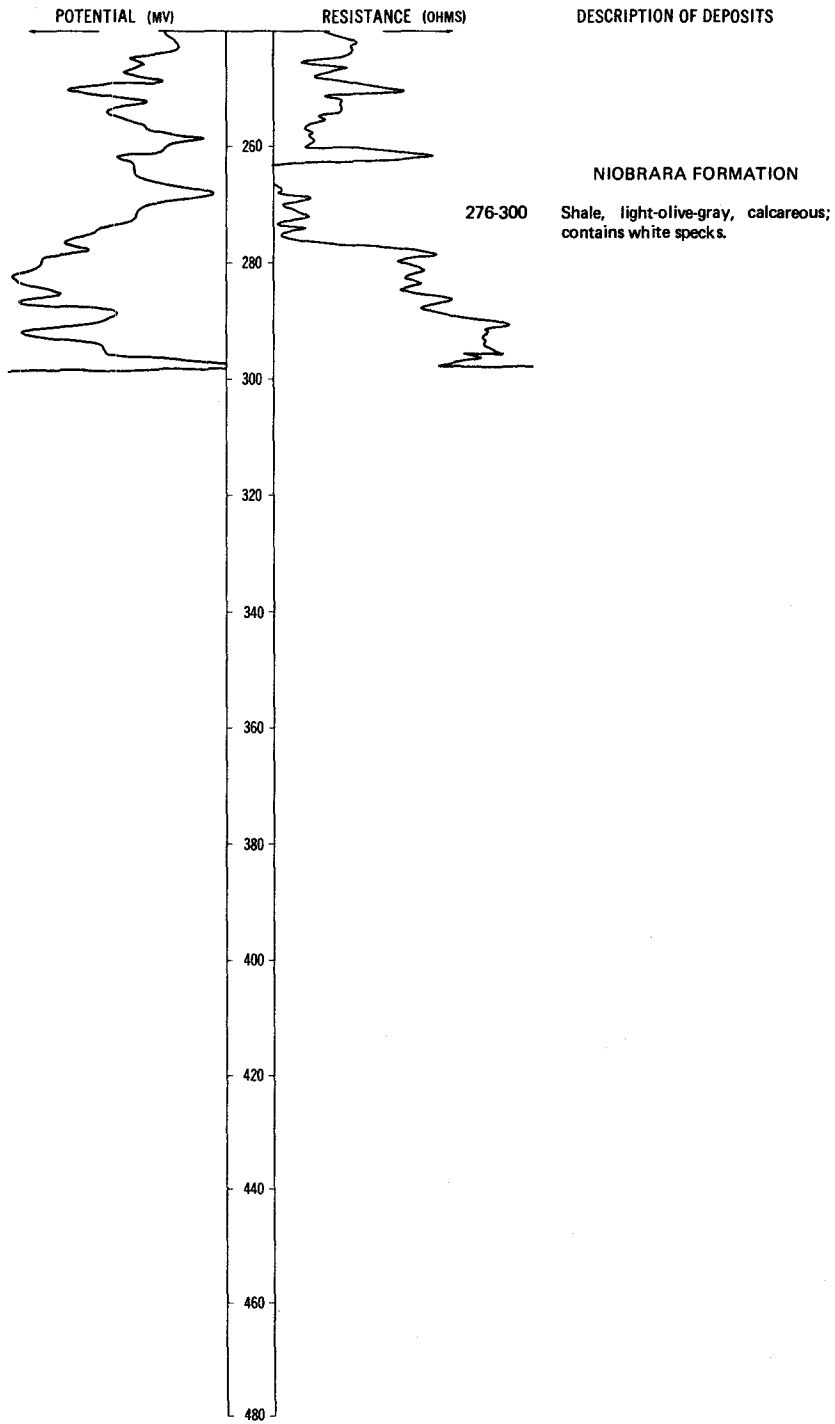


LOCATION: 130-058-11BAA1.2

DATE DRILLED: 10/17/75

ALTITUDE: 1420  
(FT, NGVD)

DEPTH: 300  
(FT)

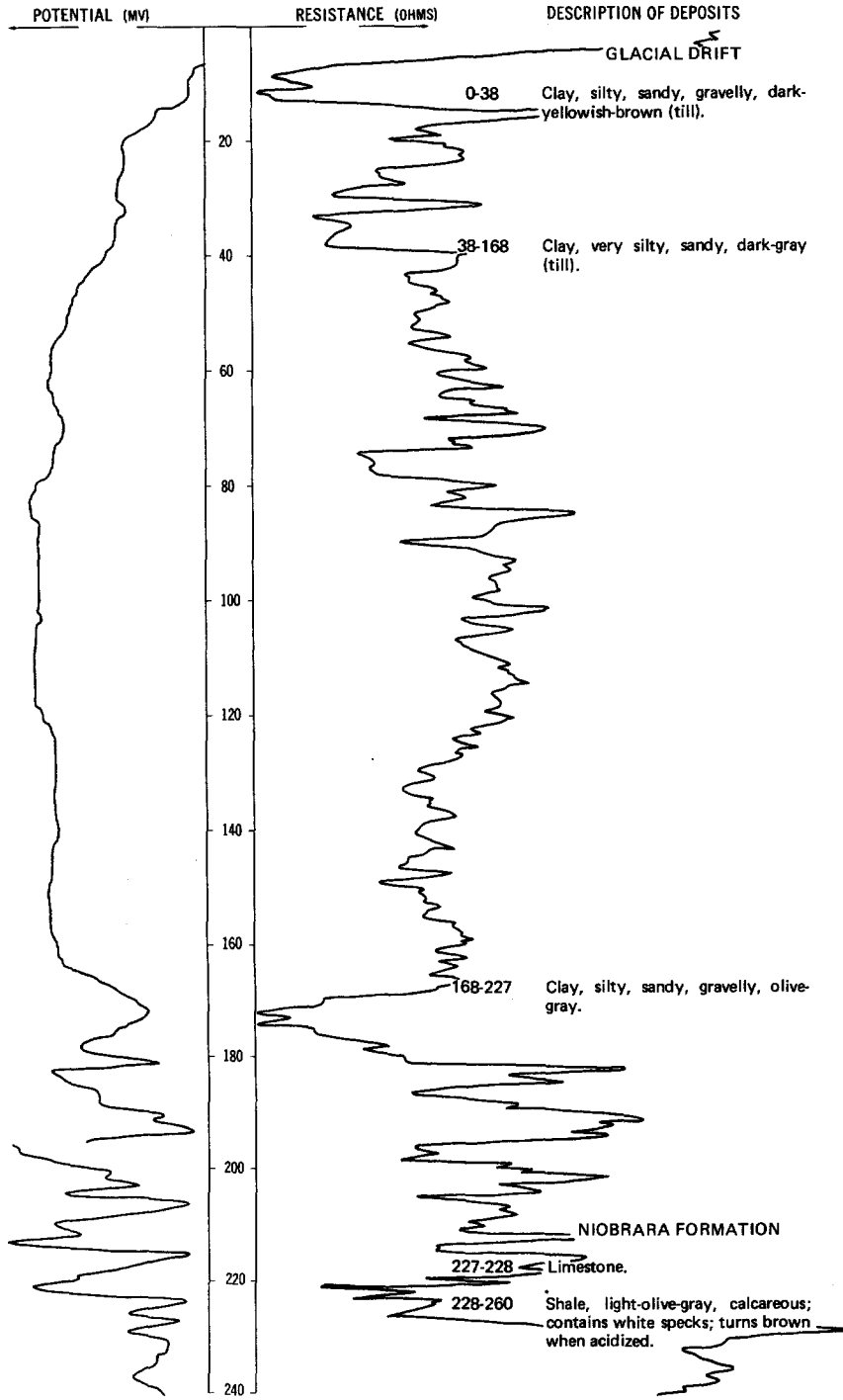


LOCATION: 130-058-14CDC

DATE DRILLED: 10/20/75

ALTITUDE: 1375  
(FT, NGVD)

DEPTH: 260  
(FT)



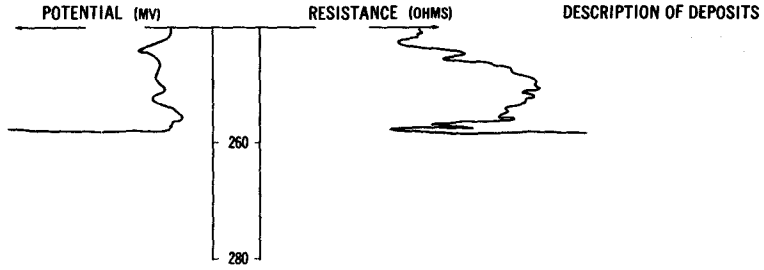
NDSWC 4864, Continued

LOCATION: 130-058-14CDC

DATE DRILLED: 10/20/75

ALTITUDE: 1375  
(FT, NGVD)

DEPTH: 260  
(FT)



130-058-16BBC  
(Log from Wieber Well Drilling)

Date drilled: 7/31/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	1	1
	Clay, yellow	19	20
	Clay, yellow, and sand	15	35
	Clay, blue	55	90
	Sand, coarse, water	13	103

130-058-16DDD  
(Log modified from U.S. Bureau of Reclamation)  
USBR Oakes-66

Altitude:	1390 feet	Date drilled:	6/18/53
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, dark-brown; trace of silt and clay; very organic; pervious-----	4.5	4.5
	Sand, buff, fine, uniform; clay binder; semipervious-----	9.5	14
	Silt, buff, laminated, compact; trace of fine sand in zones; becomes clayey with depth; very low permeability-----	14.5	28.5
	Sand, buff, coarse; clay binder; semipervious-----	1.5	30
	Clay (till), buff, very sandy, semipervious to impervious-----	12.5	42.5
	Silt, gray, laminated, compact; trace of clay; very soft clay from 46.6 to 50 feet; impervious-----	7.5	50
	Clay (till), gray, soft, gravelly, impervious-----	6	56
	Sand, buff, fine, uniform; clean to trace of silt; pervious-----	14	70
	Sand, gray, very fine, compact; traces of silt; semipervious to pervious-----	98	168
	Sand, gray, silty, semipervious-----	17	185
	Sand, gray, very fine, compact, pervious-----	10	195
	Sand, gray, silty, semipervious-----	25	220
	Clay (till), gray, hard, impervious-----	5	225

130-058-17ABB  
(Log from Green Circle Supply Co.)

	Date drilled:	2/18/77
Topsoil-----	2	2
Clay, oxidized, soft-----	6	8
Limestone, calcareous, soft-----	1	9
Clay, oxidized, soft-----	6	15
Clay, gray, soft-----	3	18
Gravel, fine, well-rounded-----	18	36
Sand, silty, soft-----	24	60

130-058-17ABC  
(Log from Green Circle Supply Co.)

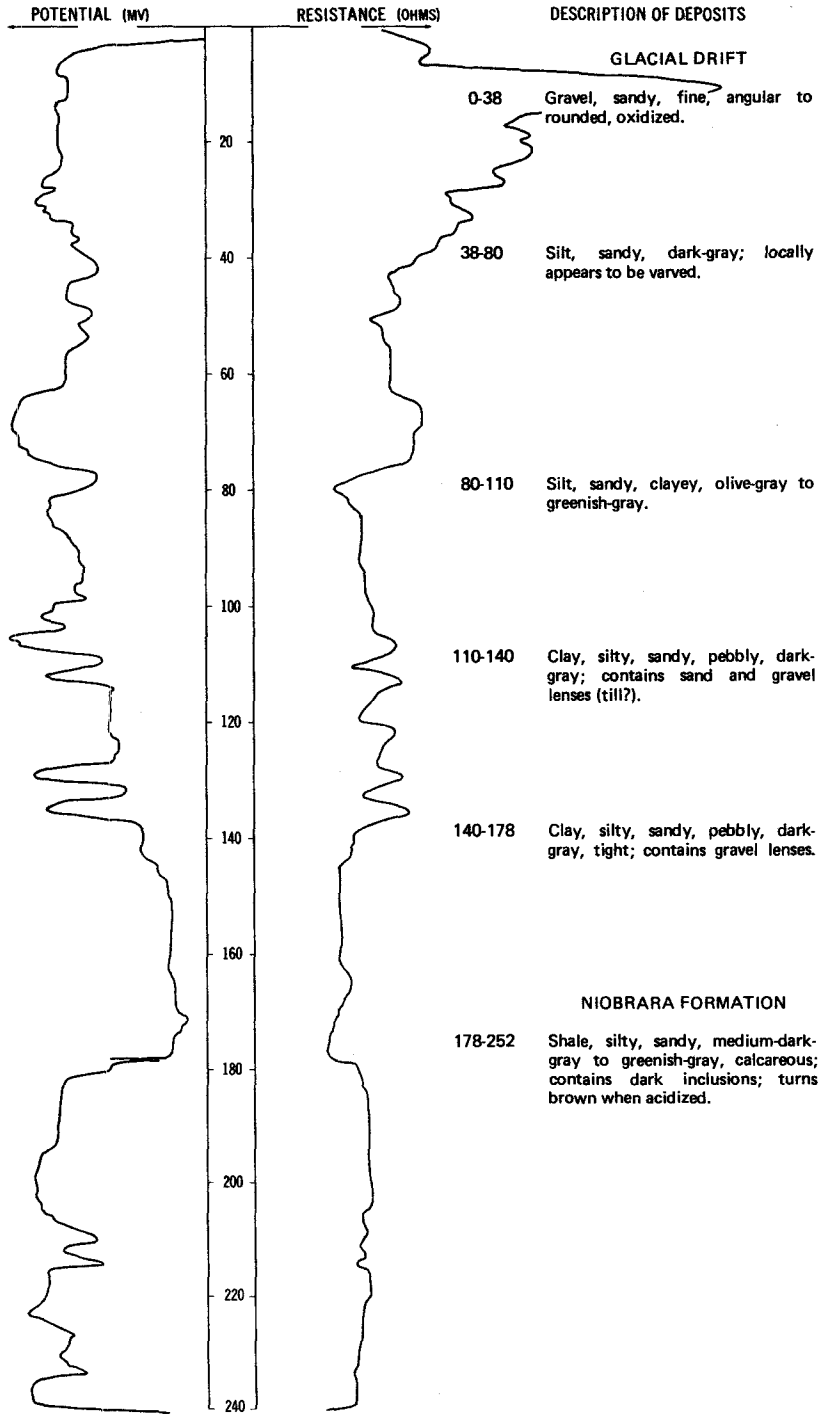
	Date drilled:	2/18/77
Clay, oxidized-----	1	1
Limestone, calcareous, soft-----	5	6
Clay, oxidized, soft-----	8	14
Clay, gray, gravelly, soft-----	3	17
Sand, medium to coarse, well-rounded-----	26	43
Sand, silty, soft-----	17	60

LOCATION: 130-058-17DDD1, 2

DATE DRILLED: 9/17/74

ALTITUDE: 1325  
(FT, NGVD)

DEPTH: 260  
(FT)



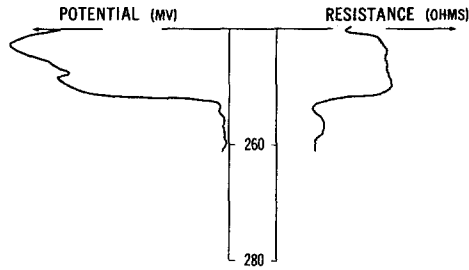
NDSWC 9108, 9108A, Continued

LOCATION: 130-058-17DDD1, 2

DATE DRILLED: 9/17/74

ALTITUDE: 1325  
(FT. NGVD)

DEPTH: 260  
(FT)



DESCRIPTION OF DEPOSITS

NIOBRARA FORMATION,  
Continued

252-260 Shale, grayish-black to dark-gray,  
calcareous.

130-058-18DDD1  
(Log modified from U.S. Bureau of Reclamation)  
USBR Oakes-3

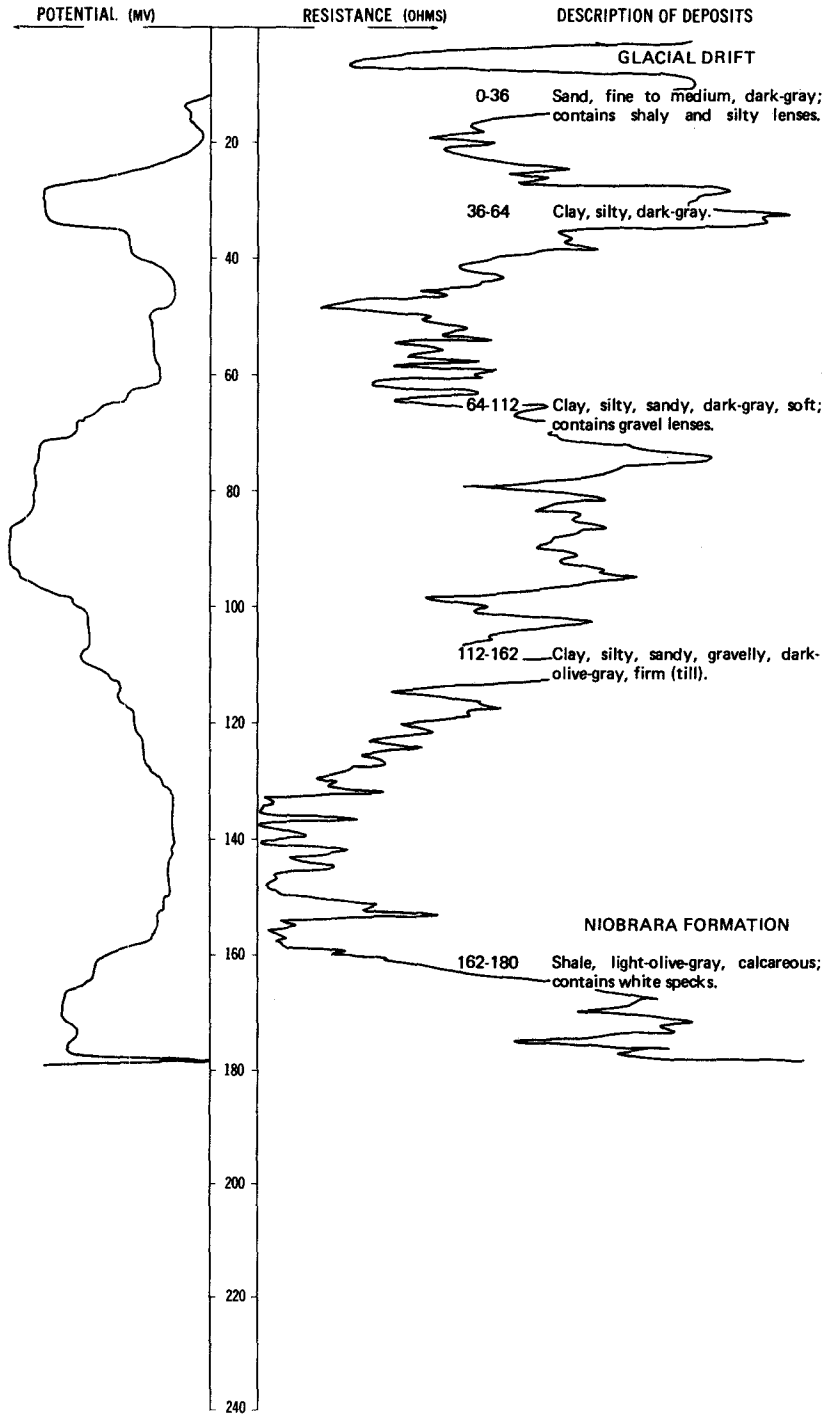
Altitude: 1310 feet

Date drilled: 12/14/50

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, brown, fine, silty, loose, poorly graded-----	5	5
	Clay, gray, sandy, plastic, iron-stained-----	5	10
	Sand, gray-brown, fine to medium, loose, fairly clean-----	10	20
	Clay, gray, sandy, plastic, lignitic-----	6	26
	Clay, gray-brown, very sandy, slightly plastic, silt and sand lenses throughout-----	5	31
	Sand, gray-brown, fine to medium, loose, poorly graded, fairly clean-----	5.5	36.5
	Sand and gravel; medium to coarse sand; fine to medium gravel; lean clay binder; lignitic; clayey-----	2.5	39
	Clay, gray, soft, plastic, silty-----	6	45

LOCATION: 130-058-18DDD2. 3  
ALTITUDE: 1313  
(FT, NGVD)

DATE DRILLED: 10/20/75  
DEPTH: 180  
(FT)





**130-058-19AAC**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 12/ /74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, sandy-----	5	7
	Sand-----	34	41
	Sand and gravel-----	9	50
	Sand, medium-----	25	75

**130-058-19ABC**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1313 feet

Date drilled: 4/03/74

	Topsoil-----	2	2
	Sand; with clay layers-----	43	45
	Sand and gravel-----	7	52
	Sand-----	18	70

**130-058-19ADD**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1314 feet

Date drilled: 4/03/74

	Topsoil-----	2	2
	Sand, brown-----	8	10
	Sand, fine-----	25	35
	Clay; with sand layers-----	20	55
	Sand-----	5	60
	Clay; with sand layers-----	20	80

**130-058-19BBD**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1315 feet

Date drilled: 4/03/74

	Topsoil-----	2	2
	Sand, brown-----	13	15
	Sand, fine to medium-----	25	40
	Clay-----	5	45

**130-058-19DAC**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 4/04/74

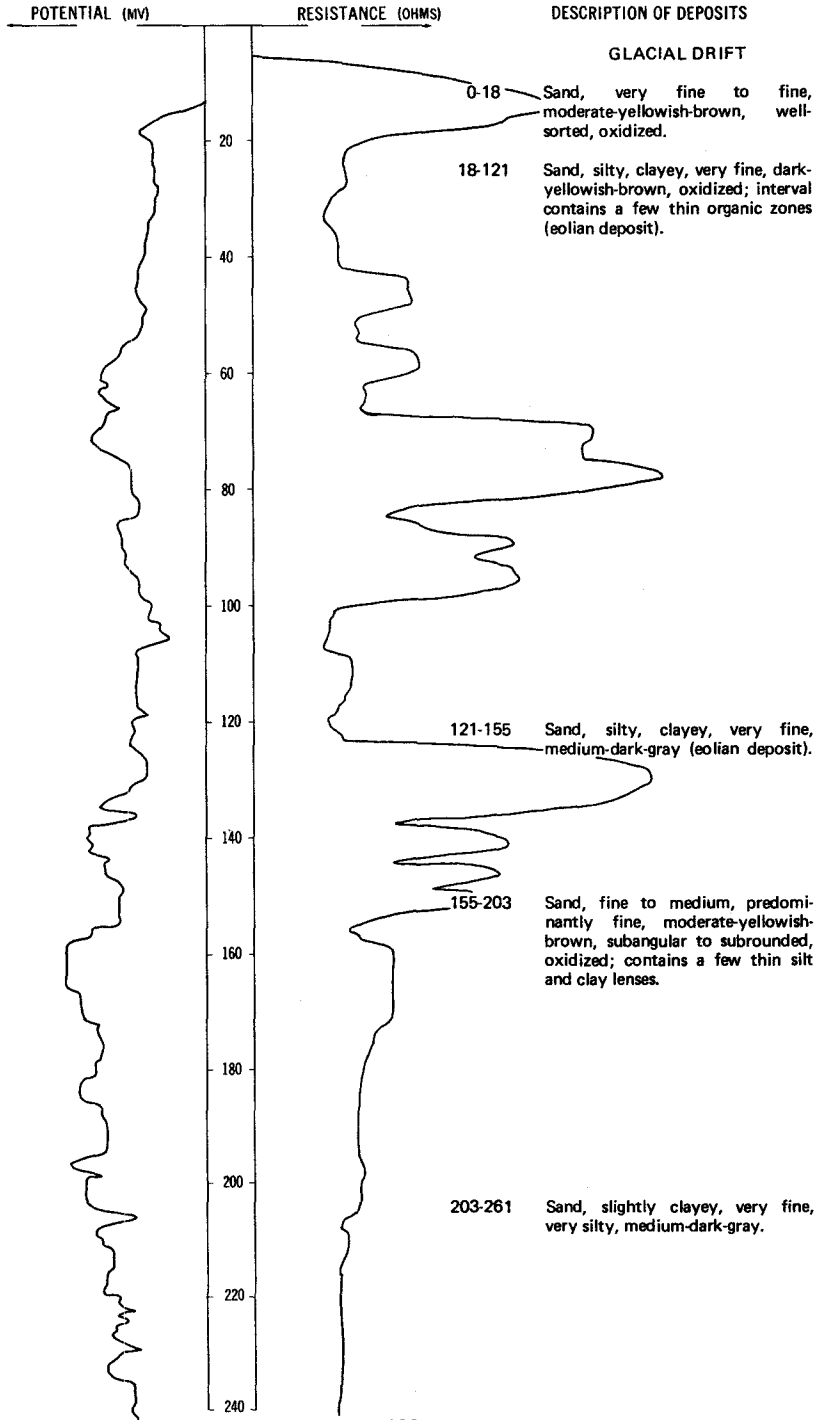
	Topsoil-----	2	2
	Sand, medium-----	18	20
	Sand, fine-----	35	55
	Clay-----	46	101
	Gravel-----	5	106
	Clay; with sand layers-----	64	170
	Clay, gray-----	30	200

LOCATION: 130-058-22BAB

DATE DRILLED: 9/17/74

ALTITUDE: 1465  
(FT, NGVD)

DEPTH: 420  
(FT)



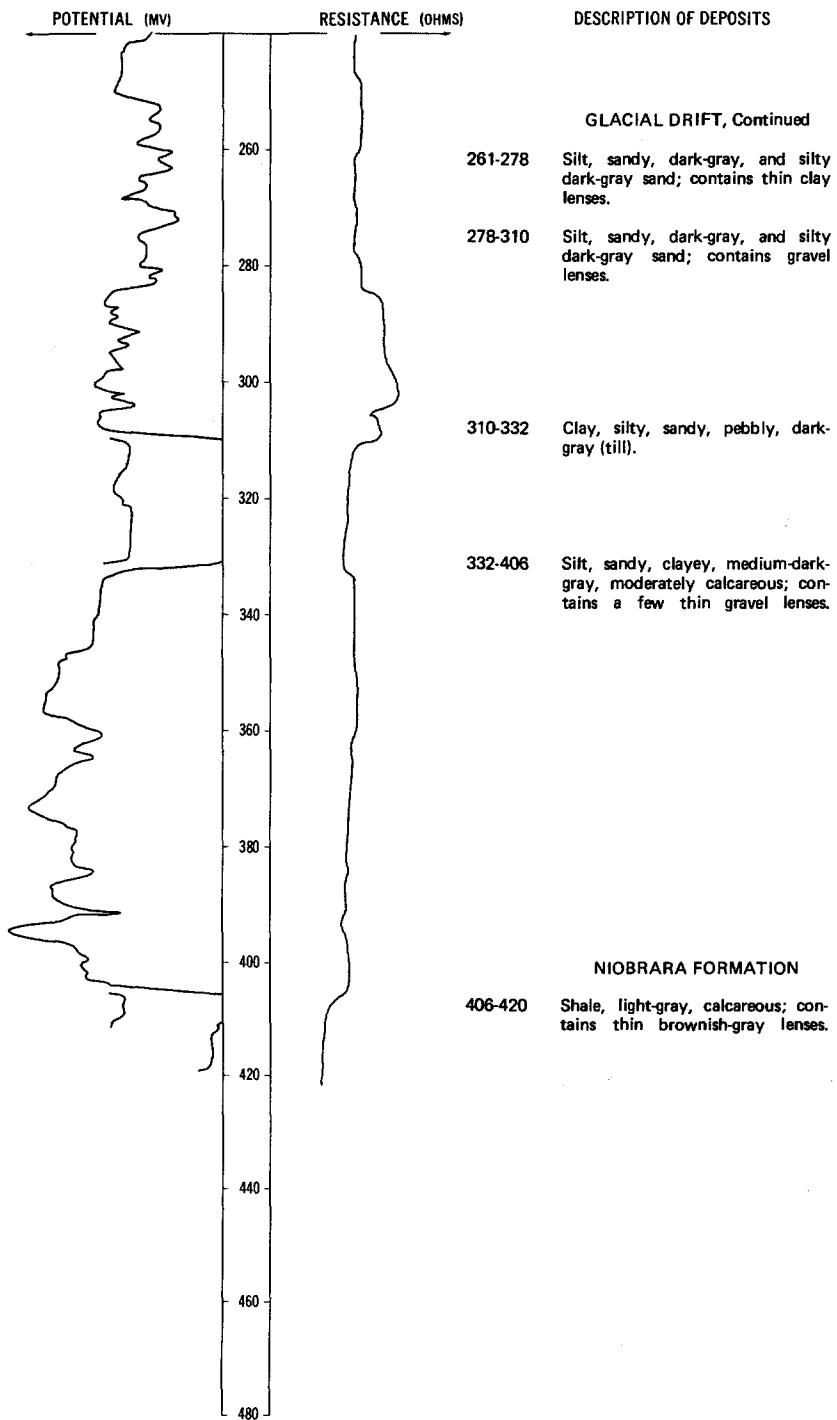
NDSWC 9107, Continued

LOCATION: 130-058-22BAB

DATE DRILLED: 9/17/74

ALTITUDE: 1465  
(FT, NGVD)

DEPTH: 420  
(FT)



130-058-24AAA  
USBR W-34

Altitude:	1312 feet	Date drilled:	11/18/66
<b>GEOLOGIC SOURCE</b>	<b>MATERIAL</b>	<b>THICKNESS (FEET)</b>	<b>DEPTH (FEET)</b>
Glacial drift:			
	Loam, silty.....	2	2
	Clay, silty.....	2	4
	Silt.....	1	5
	Loam, silty.....	15	20

130-058-24DDD  
USBR W-38

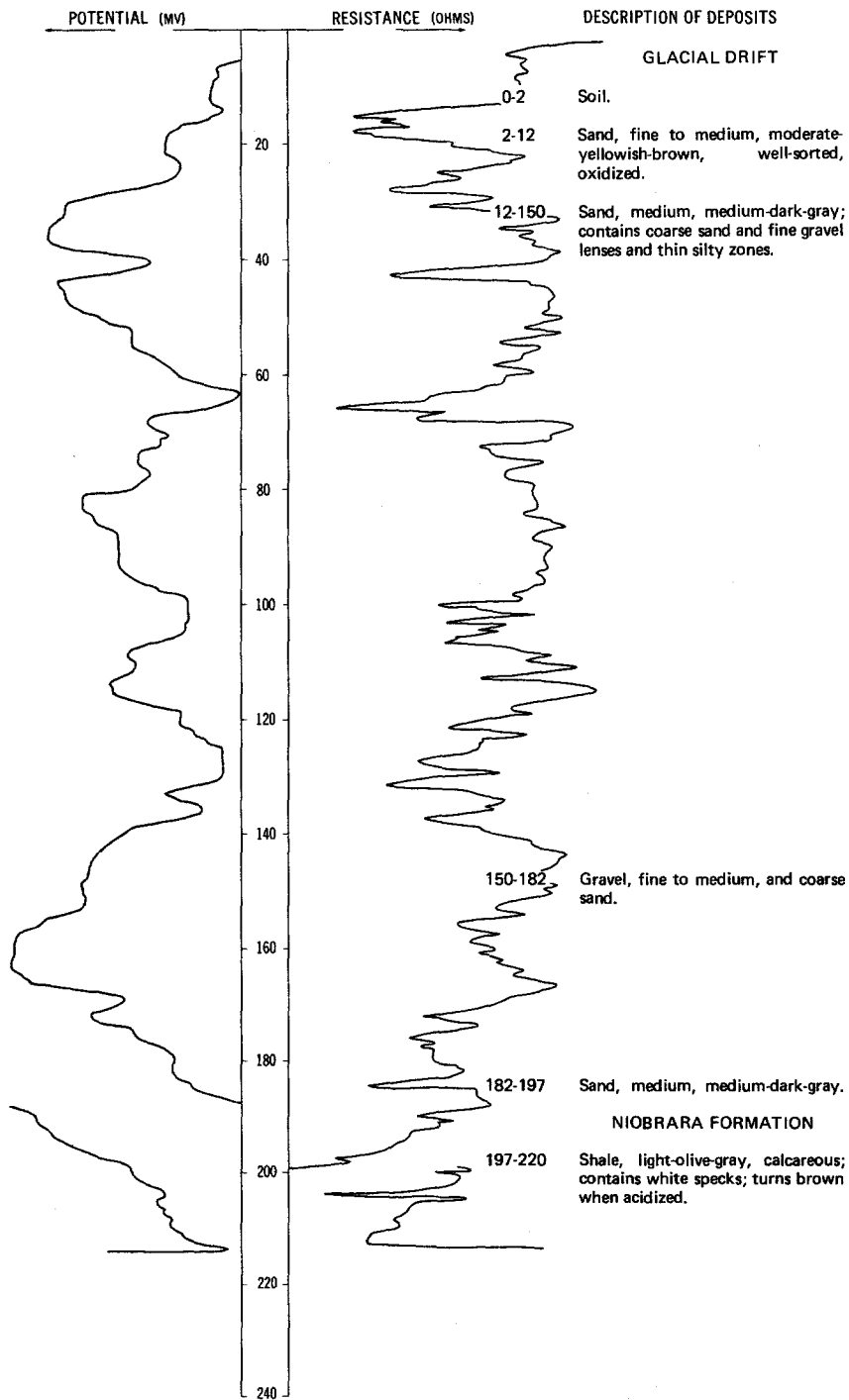
Altitude:	1305 feet	Date drilled:	11/21/66
Glacial drift:			
	Clay.....	1	1
	Silt.....	4	5
	Loam, silty.....	7	12
	Silt.....	8	20

130-058-30DBD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	5/15/75
	Topsoil.....	2	2
	Sand.....	8	10
	Clay.....	13	23
	Sand, medium.....	32	55
	Sand and gravel.....	13	68
	Clay.....	---	68

LOCATION: 130-058-30DDD  
ALTITUDE: 1315  
(FT, NGVD)

DATE DRILLED: 10/07/75  
DEPTH: 220  
(FT)



130-058-31AAC1  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 12/01/74	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Sand and clay.....	18	20
	Sand, fine.....	10	30
	Clay and sand.....	12	42
	Sand, coarse.....	21	63

130-058-31AAC2  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/16/74	
	Topsoil.....	2	2
	Sand and clay.....	13	15
	Sand; with clay layers.....	45	60
	Gravel.....	10	70
	Clay.....	20	90

130-058-31AAD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/16/74	
	Topsoil.....	2	2
	Sand and clay.....	18	20
	Sand, fine.....	10	30
	Clay and sand.....	12	42
	Sand, coarse.....	28	70

130-058-32CBC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 12/01/74	
	Topsoil.....	2	2
	Sand and clay.....	13	15
	Sand.....	27	42
	Sand and gravel.....	8	50
	Sand, medium.....	25	75

130-058-36BBB  
USBR W-44

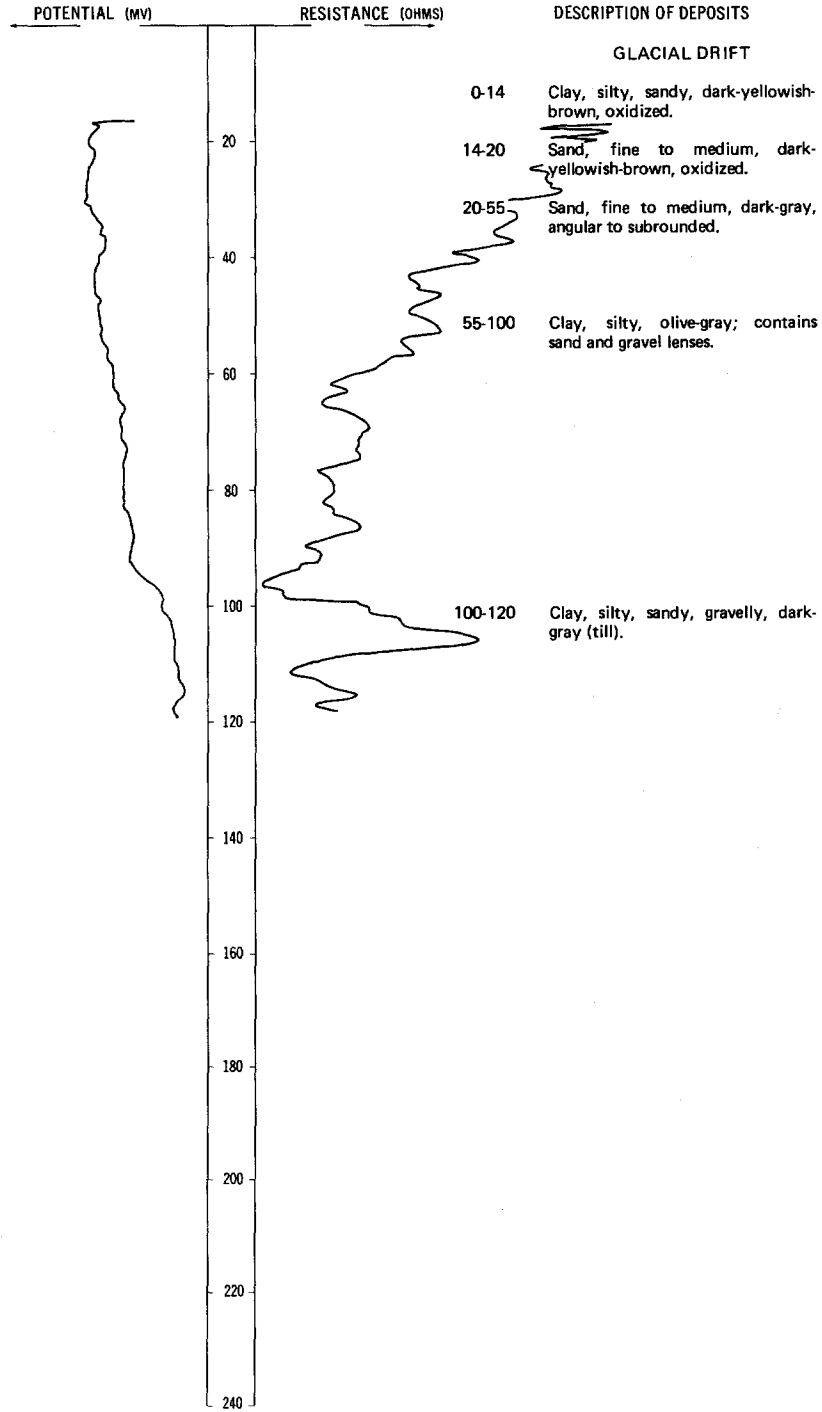
Altitude: 1306 feet		Date drilled: 11/22/66	
Glacial drift:			
	Clay, silty.....	6	6
	Loam, silty.....	4	10
	Loam.....	8	18
	Loam, silty.....	2	20

LOCATION: 131-053-03AAA

DATE DRILLED: 12/10/74

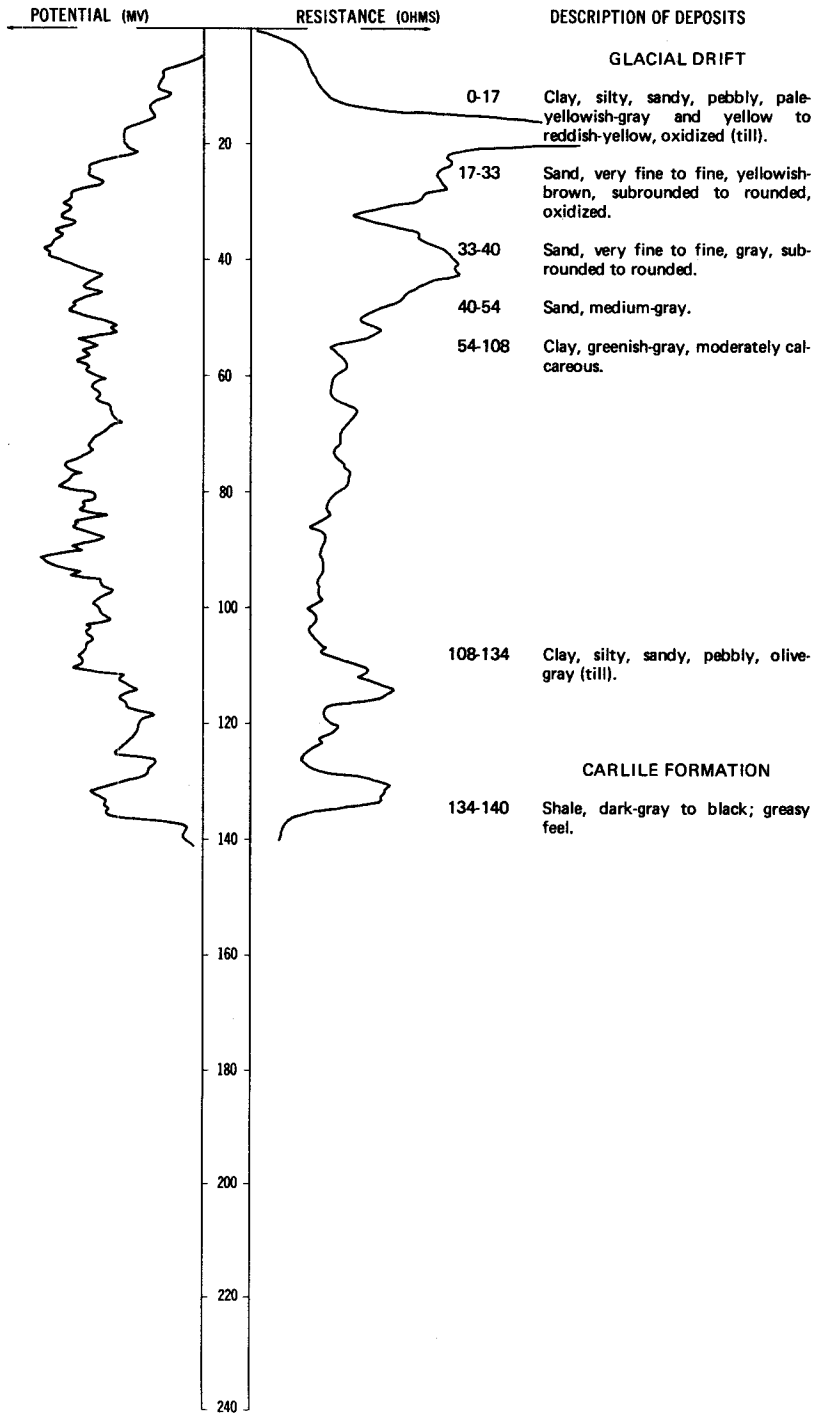
ALTITUDE: 1081  
(FT, NGVD)

DEPTH: 120  
(FT)



LOCATION: 131-053-03DDD1, 2  
 ALTITUDE: 1092  
 (FT, NGVD)

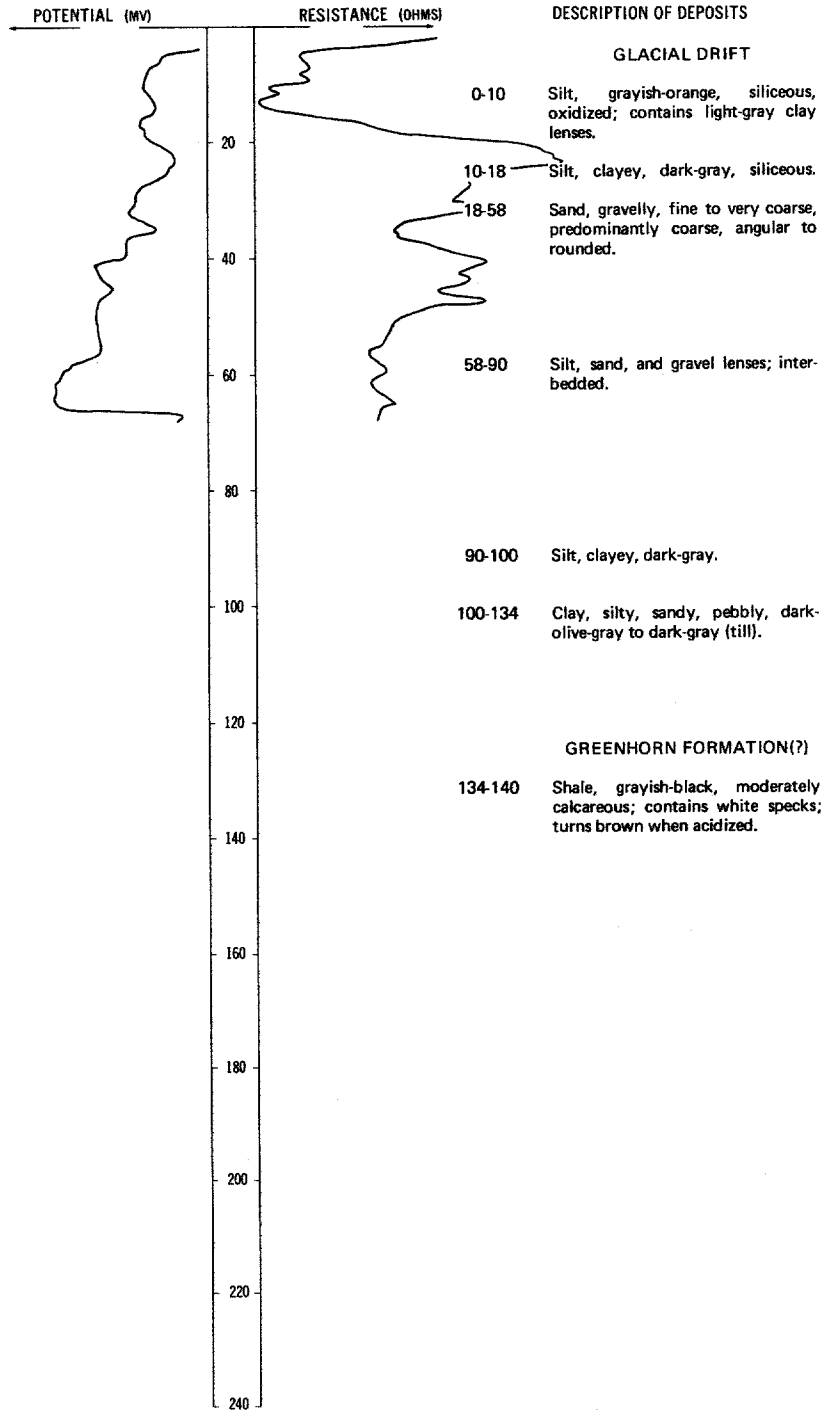
DATE DRILLED: 6/08/76  
 DEPTH: 140  
 (FT)





LOCATION: 131-053-09AAA  
ALTITUDE: 1081  
(FT, NGVD)

DATE DRILLED: 12/10/74  
DEPTH: 140  
(FT)

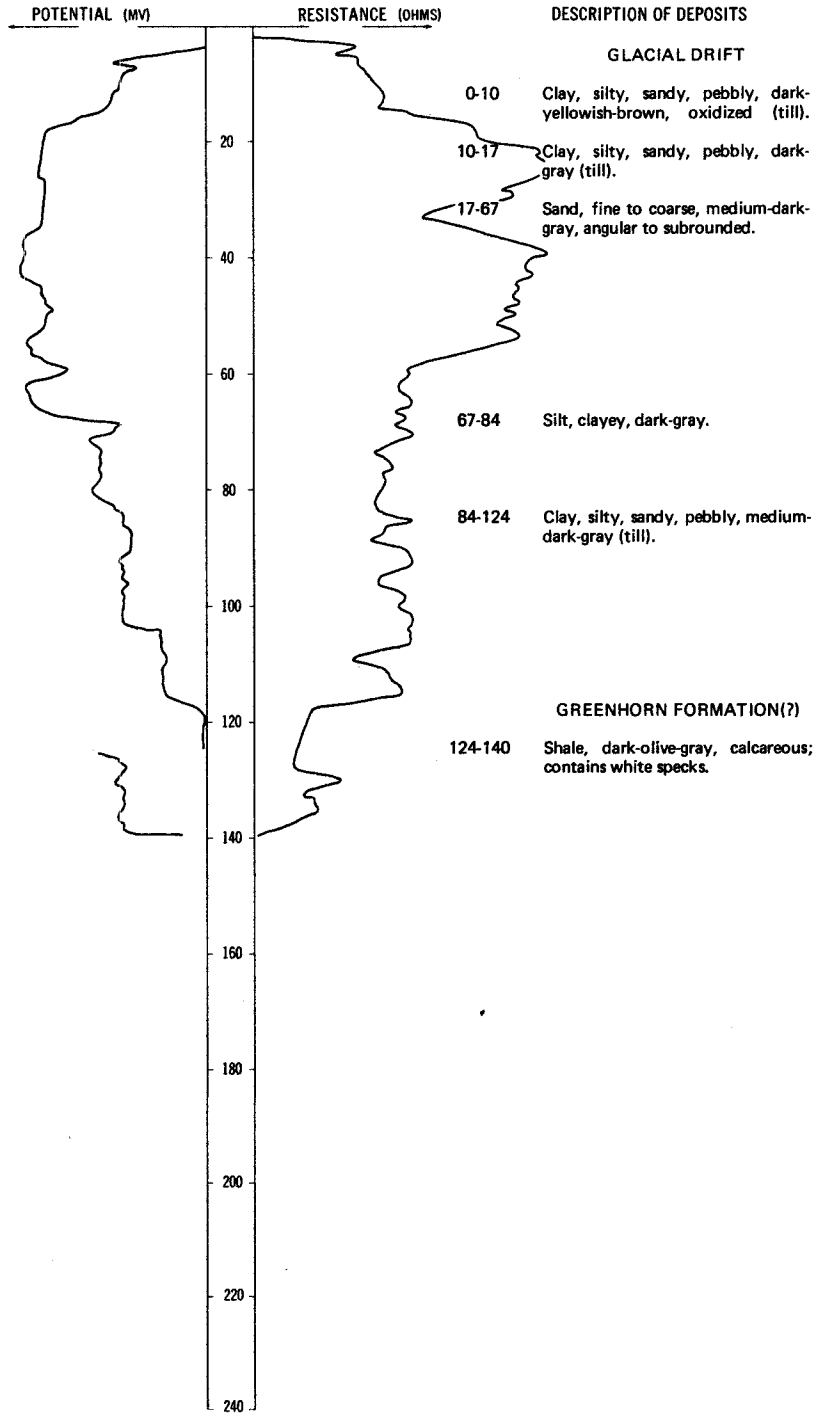


LOCATION: 131-053-09CCC

DATE DRILLED: 12/10/74

ALTITUDE: 1091  
(FT, NGVD)

DEPTH: 140  
(FT)



131-053-10AAA  
(Log from Stevens Well Drilling Co., Inc.)

		Date drilled:	2/05/75
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	3	3
	Clay, yellow-----	45	48
	Clay, black, fine, floaty, washed-down-----	57	105
	Clay, blue, gravelly, stiff-----	18	123
	Sand, yellow-----	1	124
	Clay, gray, stiff-----	7	131
	Shale, black-----	9	140

131-053-10AAC  
(Log from Stevens Well Drilling Co., Inc.)

		Date drilled:	2/04/75
	Topsoil-----	3	3
	Clay, stony-----	2	5
	Clay, yellow, fine, loose-----	43	48
	Sand, blue, fine; with coal-----	15	63
	Clay, blue, soft-----	42	105
	Clay, blue, gravelly-----	3	108
	Boulder-----	1	109
	Clay, dark, gummy-----	12	121
	Clay, gray-----	7	128

131-053-10ABC  
(Log from Stevens Well Drilling Co., Inc.)

		Date drilled:	2/06/75
	Topsoil-----	3	3
	Clay, white-----	2	5
	Clay, yellow-----	13	18
	Sand, blue, fine-----	30	48
	Sand, blue, fine, clayey-----	12	60
	Clay, gray, floaty-----	30	90
	Clay, gray, stiff, gummy-----	37	127

131-053-10ACC  
(Log from Stevens Well Drilling Co., Inc.)

		Date drilled: 6/13/75	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	3	3
	Clay, tan-----	13	16
	Sand, brown-----	9	25
	Sand, blue, coal-----	4	29
	Sand and gravel, blue-----	9	38
	Clay, blue, sandy-----	4	42

131-053-10ADD  
(Log from Stevens Well Drilling Co., Inc.)

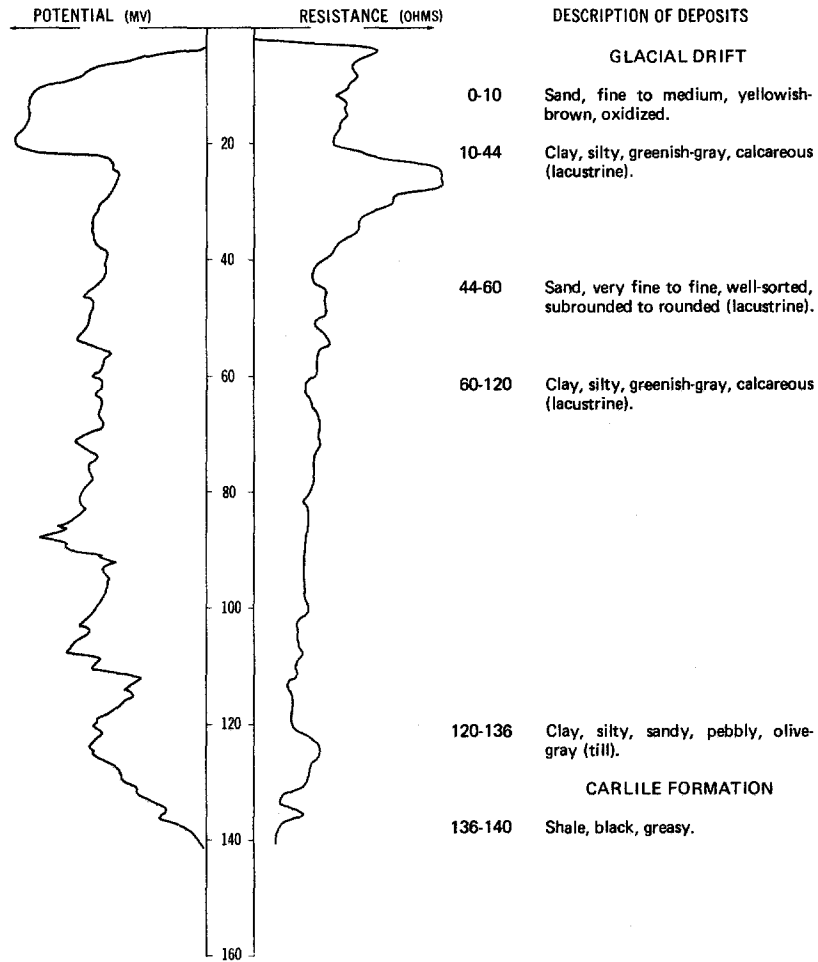
		Date drilled: 2/06/75	
	Topsoil-----	3	3
	Clay, yellow, soft-----	13	16
	Sand, blue, fine-----	54	70
	Clay, blue, floaty-----	18	88
	Clay, gray-----	20	108
	Clay, gray, gravelly, stiff-----	5	113

131-053-10CAC  
(Log from John M. Manikowski)

		Date drilled: 5/25/77	
	Topsoil, light-----	6	6
	Clay, yellow-----	1.5	7.5
	Sand, light, fine-----	11.5	19
	Clay, blue-----	1	20
	Sand, fine, water-bearing-----	23	43
	Sand, water-bearing-----	10	53

LOCATION: 131-053-10CCC  
 ALTITUDE: 1092  
 (FT, NGVD)

DATE DRILLED: 6/08/76  
 DEPTH: 140  
 (FT)



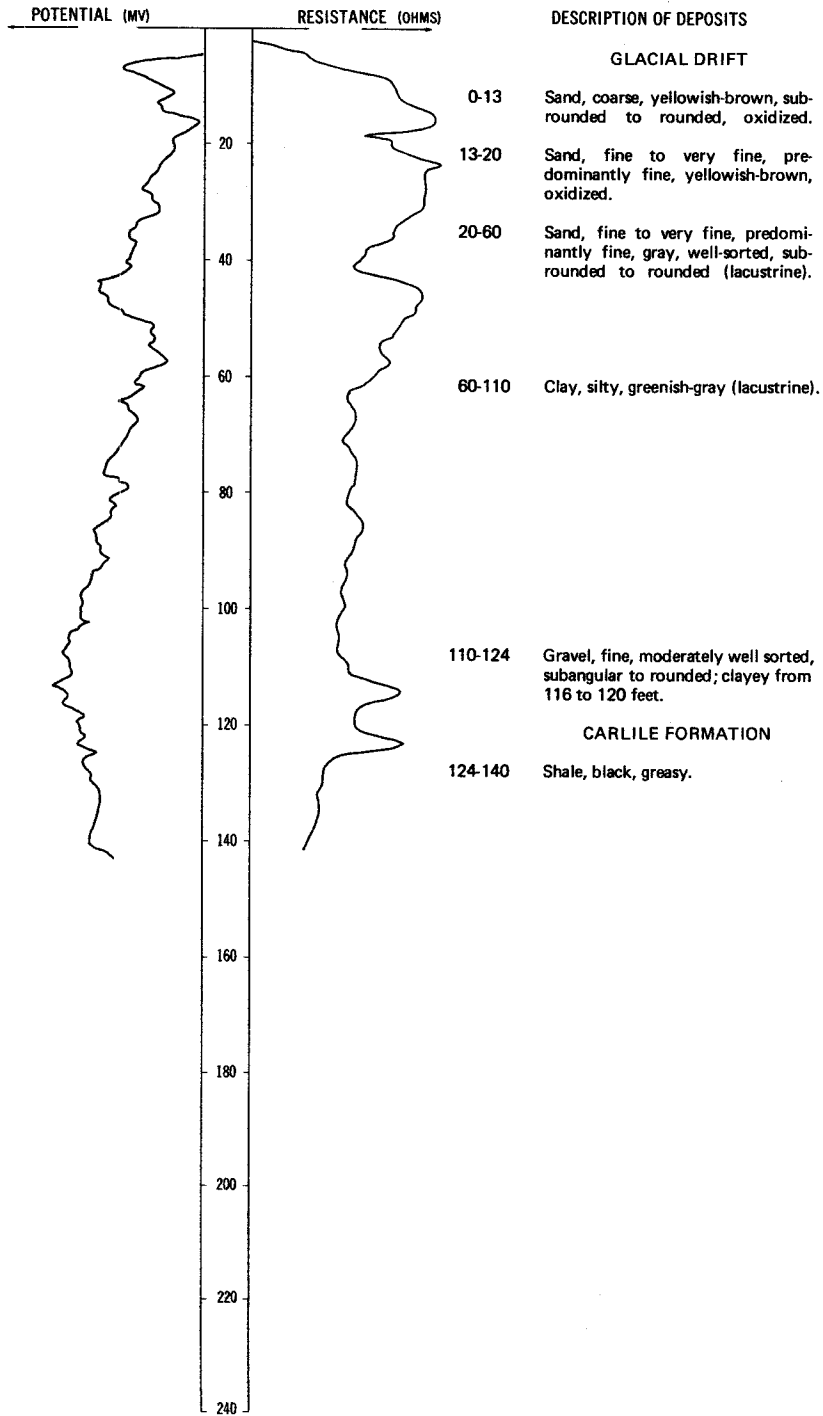
131-053-10DDC2  
 (Log from John M. Manikowski)

Date drilled: 5/28/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, sandy, fine	4	4
	Clay, yellow	11	15
	Sand, yellow, fine	7	22
	Clay, blue	5	27
	Sand, fine to medium, water	7	34

LOCATION: 131-053-11CCB  
 ALTITUDE: 1080  
 (FT, NGVD)

DATE DRILLED: 6/08/76  
 DEPTH: 140  
 (FT)

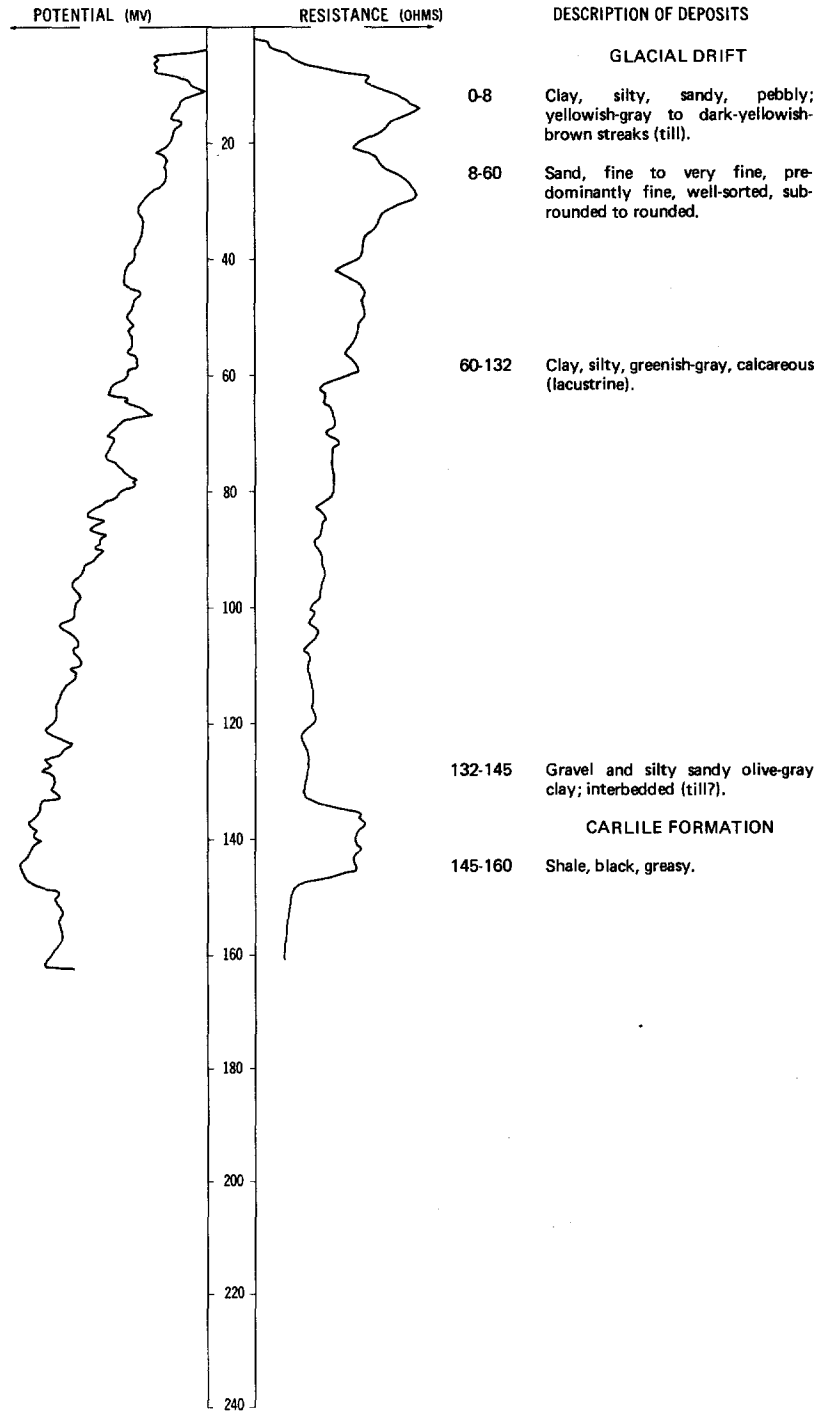


LOCATION: 131-053-11CCC

DATE DRILLED: 6/08/76

ALTITUDE: 1085  
(FT, NGVD)

DEPTH: 160  
(FT)

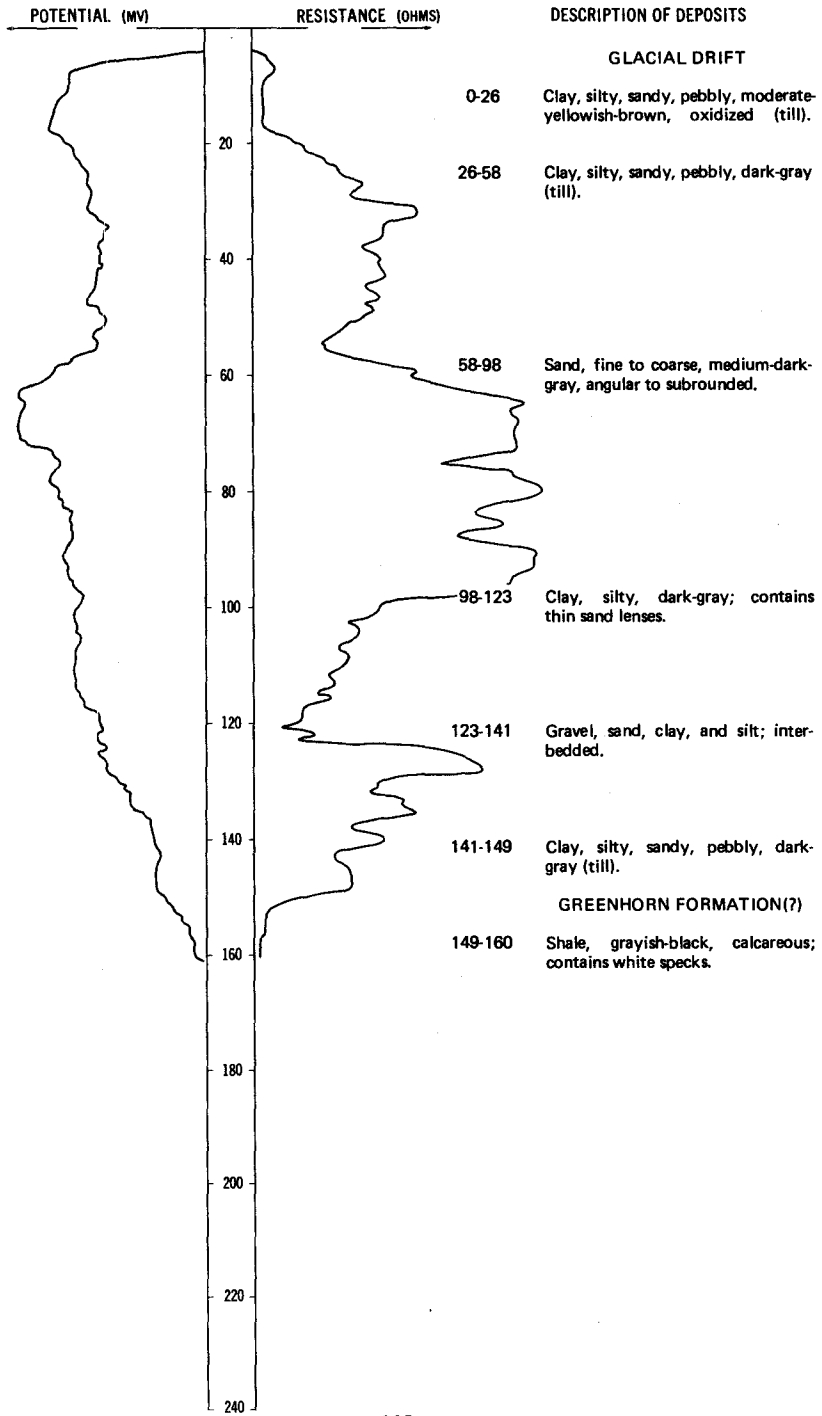


LOCATION: 131-053-17CBB

DATE DRILLED: 12/10/74

ALTITUDE: 1130  
(FT, NGVD)

DEPTH: 160  
(FT)



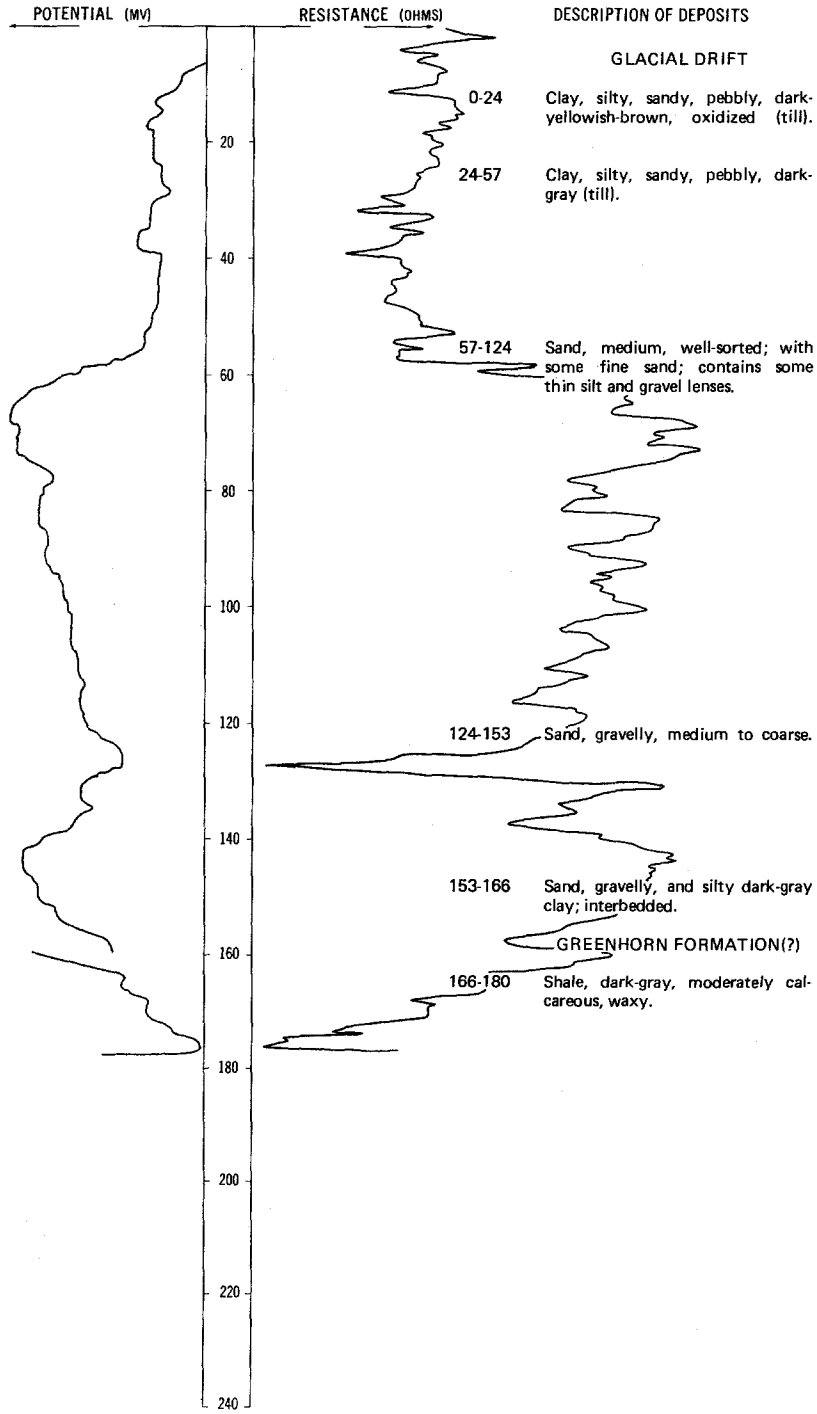


LOCATION: 131-053-19CCC

DATE DRILLED: 10/10/75

ALTITUDE: 1133  
(FT, NGVD)

DEPTH: 180  
(FT)

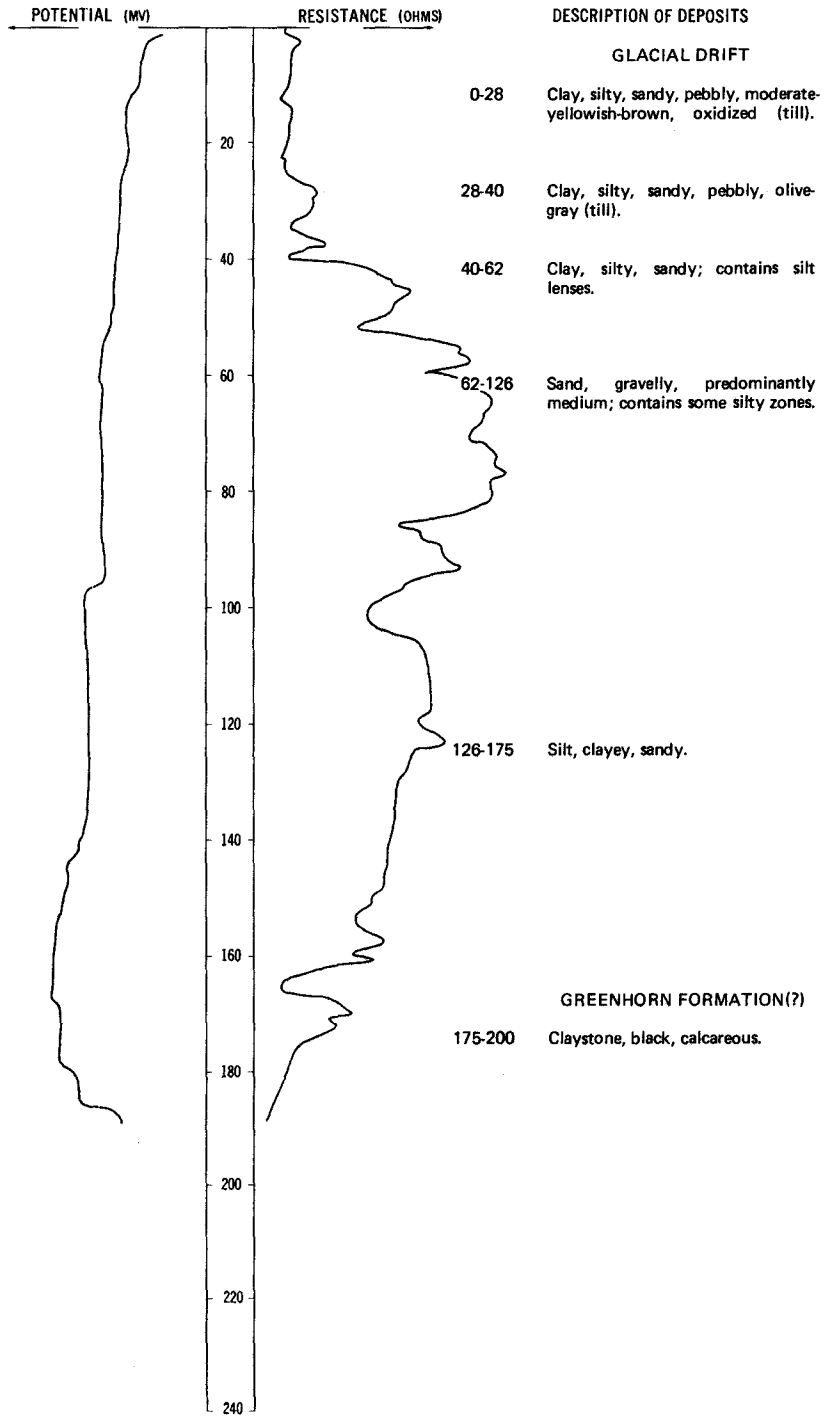


LOCATION: 131-053-26DCB

DATE DRILLED: 9/07/77

ALTITUDE: 1115  
(FT, NGVD)

DEPTH: 200  
(FT)



131-053-32DDD  
(Log from Wieber Well Drilling)

Date drilled: 7/20/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	1	1
	Clay, yellow-----	29	30
	Clay, blue-----	30	60
	Gravel layer-----	10	70
	Sand, gray, fine, muddy-----	10	80
	Sand, fine to medium-----	10	90
	Sand, medium-----	5	95

131-053-34BBA1  
(Log from John M. Manikowski)

Date drilled: 3/24/66

	Block-----	1	1
	Clay, yellow, hard-----	29	30
	Clay, blue, soft-----	43	73
	Gravel and rock-----	1	74
	Clay, blue-----	12	86
	Rock gravel-----	2	88
	Clay, blue, soft-----	9	97
	Sand and clay-----	3	100
	Sand, fine, water-bearing-----	6	106

131-053-34BBA2  
(Log from John M. Manikowski)

Date drilled: 2/26/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	1	1
	Clay, yellow	27	28
	Sand and clay	8	36
	Clay, blue	54	90
	Sand and blue clay	25	115
	Clay, blue	7	122
	Sand and blue clay	4	126
	Sand, water-bearing	6	132

131-054-05DCD  
(Log from Wieber Well Drilling)

Date drilled: 7/15/73

	Topsoil, black	1	1
	Clay, yellow	4	5
	Sand, fine	15	20
	Clay, yellow, gravelly	60	80
	Clay, blue, gravelly	20	100
	Sand, gray, fine, dirty	20	120
	Sand, coarse, water	9	129

131-054-09ADD  
(Log from Wieber Well Drilling)

Date drilled: 10/20/75

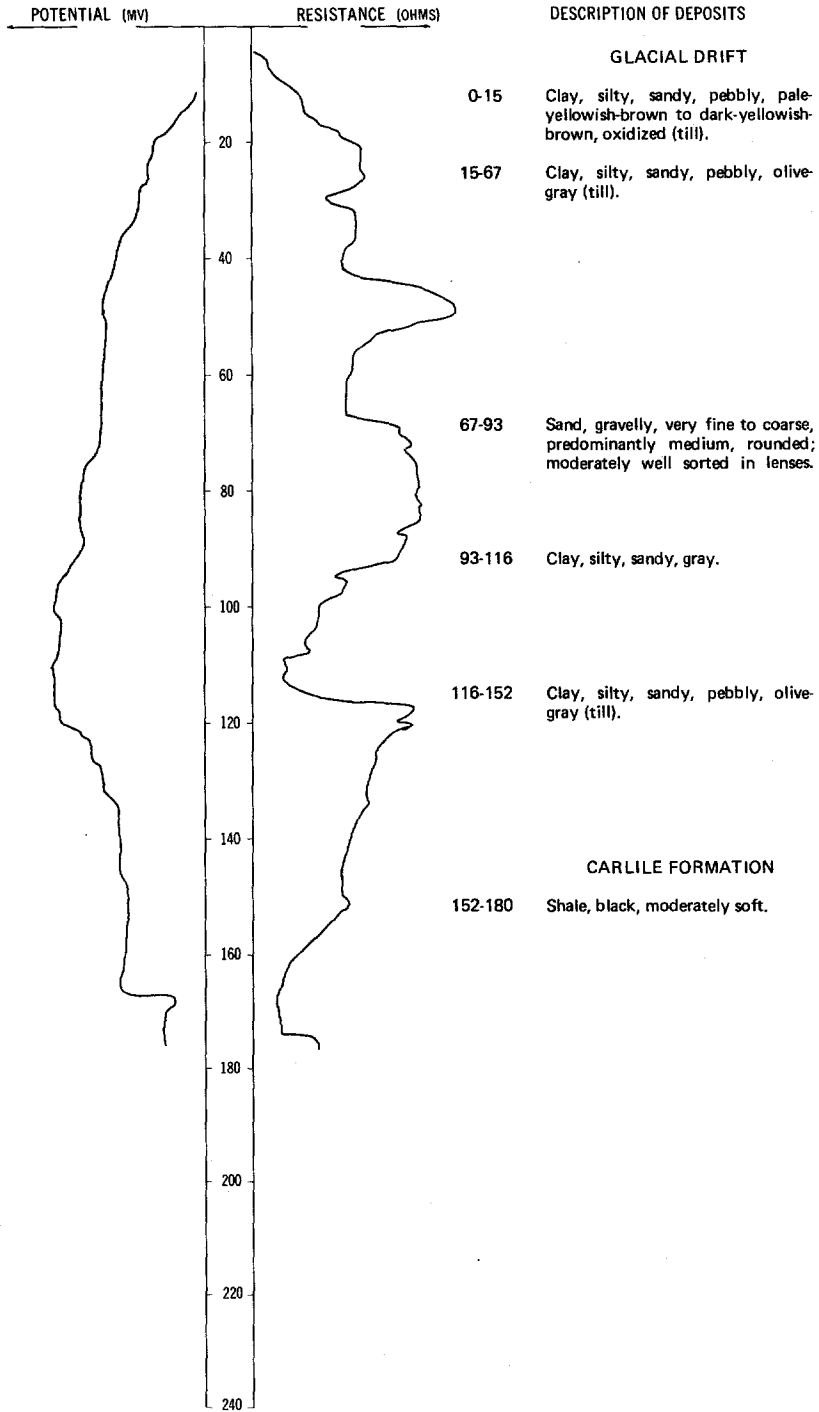
	Black soil	2	2
	Clay, yellow, gravelly	33	35
	Clay, blue-gray	55	90
	Sand, fine, dirty	10	100
	Clay and sand	10	110
	Sand, water-bearing	10	120

LOCATION: 131-054-14AAA

DATE DRILLED: 9/08/77

ALTITUDE: 1145  
(FT, NGVD)

DEPTH: 180  
(FT)



131-054-17BAA  
(Log from Independent Drilling Co.)

Date drilled: 2/15/75

GEOLOGIC  
SOURCE MATERIAL

THICKNESS DEPTH  
(FEET) (FEET)

Greenhorn Formation (top):

336

Dakota Sandstone (top):

126

659

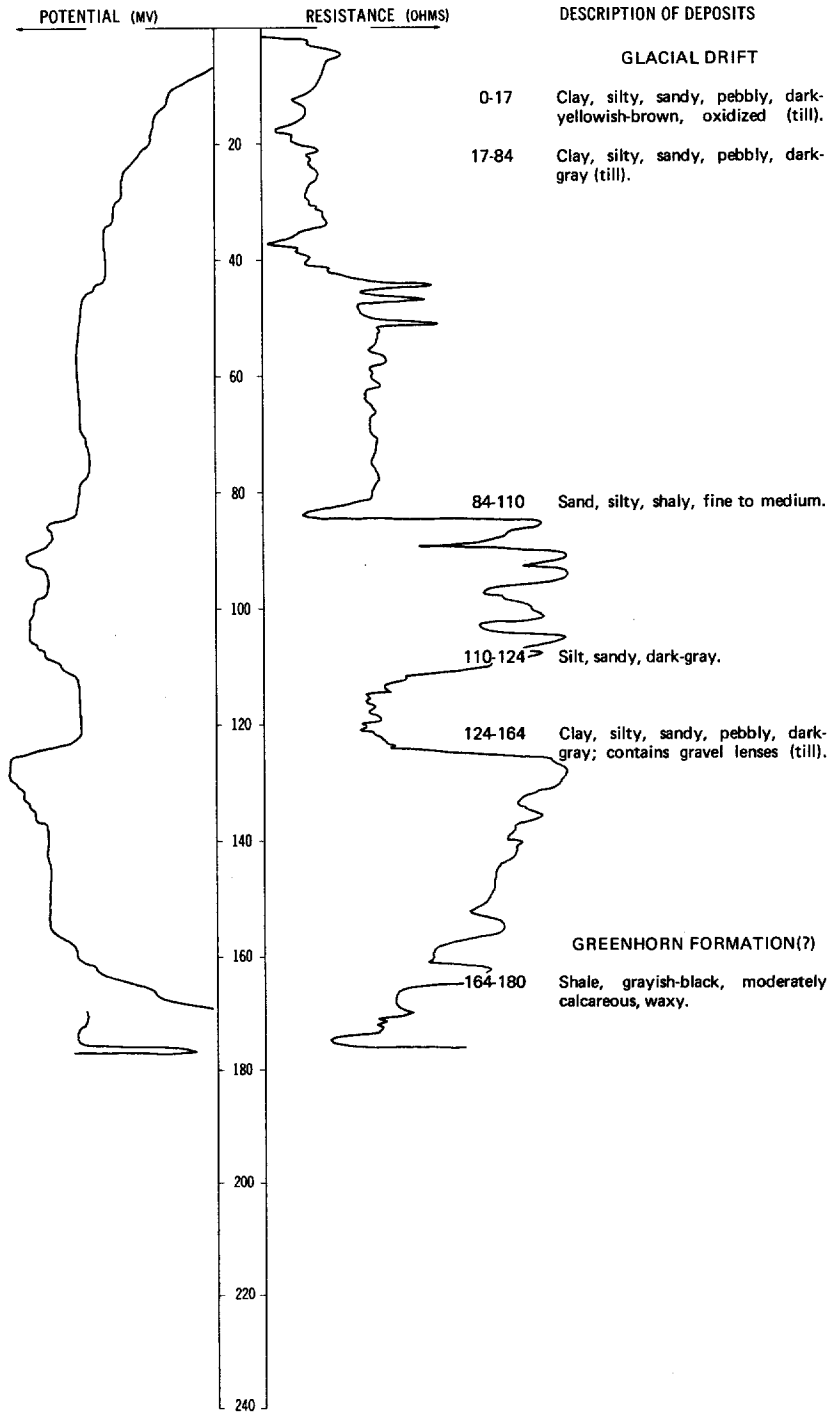
785

LOCATION: 131-054-22BBB

DATE DRILLED: 10/14/75

ALTITUDE: 1160  
(FT, NGVD)

DEPTH: 180  
(FT)

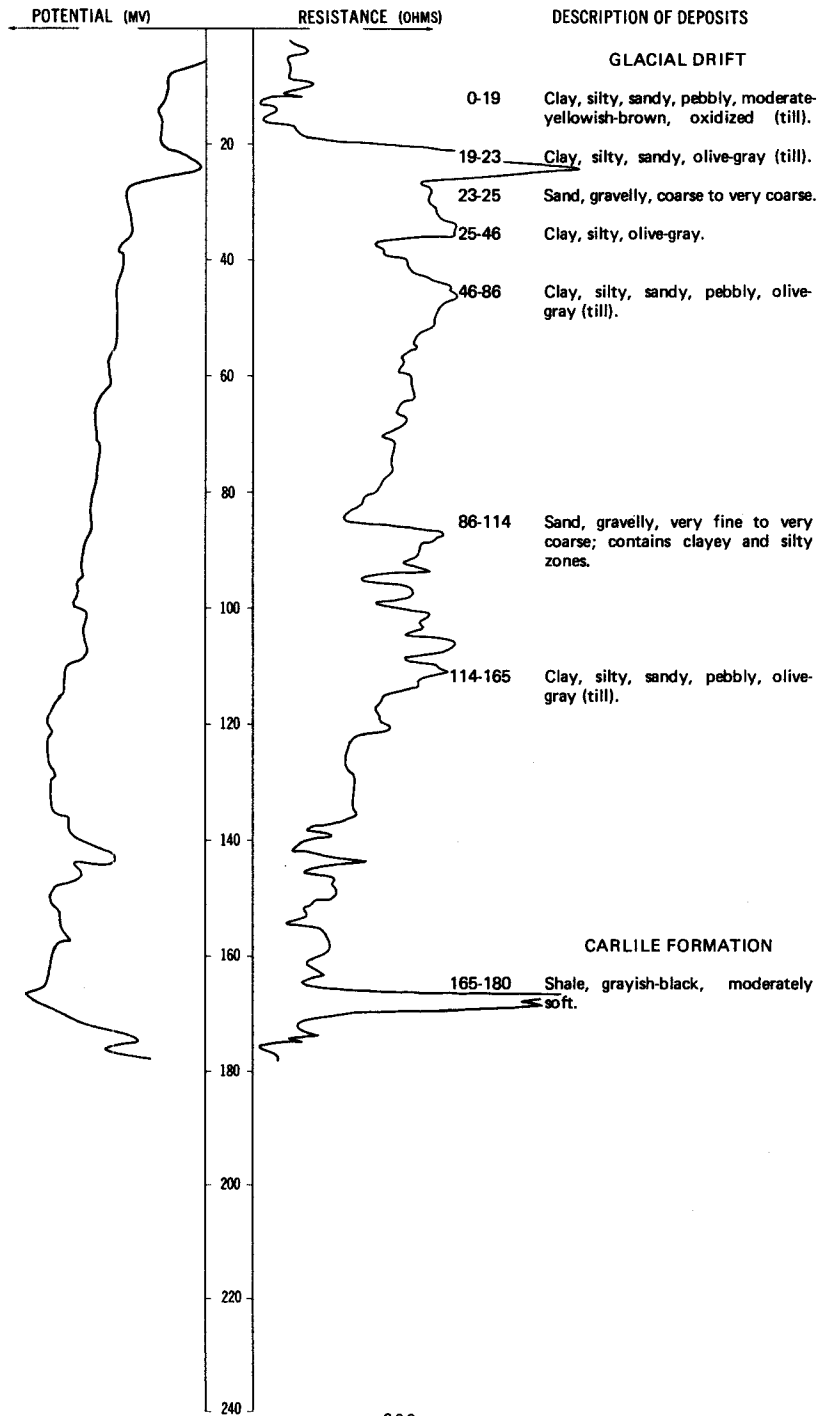


LOCATION: 131-054-22CCC

DATE DRILLED: 9/08/77

ALTITUDE: 1156  
(FT, NGVD)

DEPTH: 180  
(FT)





131-054-25DCB  
(Log from John M. Manikowski)

Date drilled: 12/23/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black.....	1	1
	Clay, yellow, gravelly.....	23	24
	Sand and gravel.....	6	30
	Clay, blue.....	26	56
	Clay, blue, and gravel.....	8	64
	Sand, water-bearing.....	7	71

131-054-27DAD  
(Log from Wieber Well Drilling)

Date drilled: 6/10/74

	Topsoil, black.....	1	1
	Clay, yellow.....	19	20
	Gravel, coarse.....	10	30
	Sand, coarse, and gravel.....	10	40
	Clay, blue.....	40	80
	Clay, blue; strips of sand.....	10	90
	Sand, coarse, water-bearing.....	17	107

131-054-31CDD  
(Log from Wieber Well Drilling)

Date drilled: 8/15/76

	Topsoil.....	1	1
	Clay, yellow, gravelly.....	29	30
	Clay, blue.....	90	120
	Sand, fine.....	10	130
	Clay, blue, soft.....	30	160
	Sand, fine, dirty.....	15	175
	Clay, hard.....	10	185
	Clay, dark, hard.....	13	198
	Sand, uniform.....	10	208

131-055-03CDD  
(Log from Independent Drilling Co.)

		Date drilled: 1/30/76	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Greenhorn Formation (top):			375
Dakota Sandstone (top):		44	795 839

131-055-07BCB  
(Log from Frederickson's Inc.)

		Date drilled: 4/20/73	
Topsoil, black-----		2	2
Clay, light-brown, sandy, rocky-----		10	12
Clay, dark-brown, sandy, rocky-----		10	22
Sand, colored-----		30	52
Clay, blue, sandy-----		101	153
Sand, blue-----		36	189

131-055-09CCC  
(Log from Falk Bros. Well Drilling)

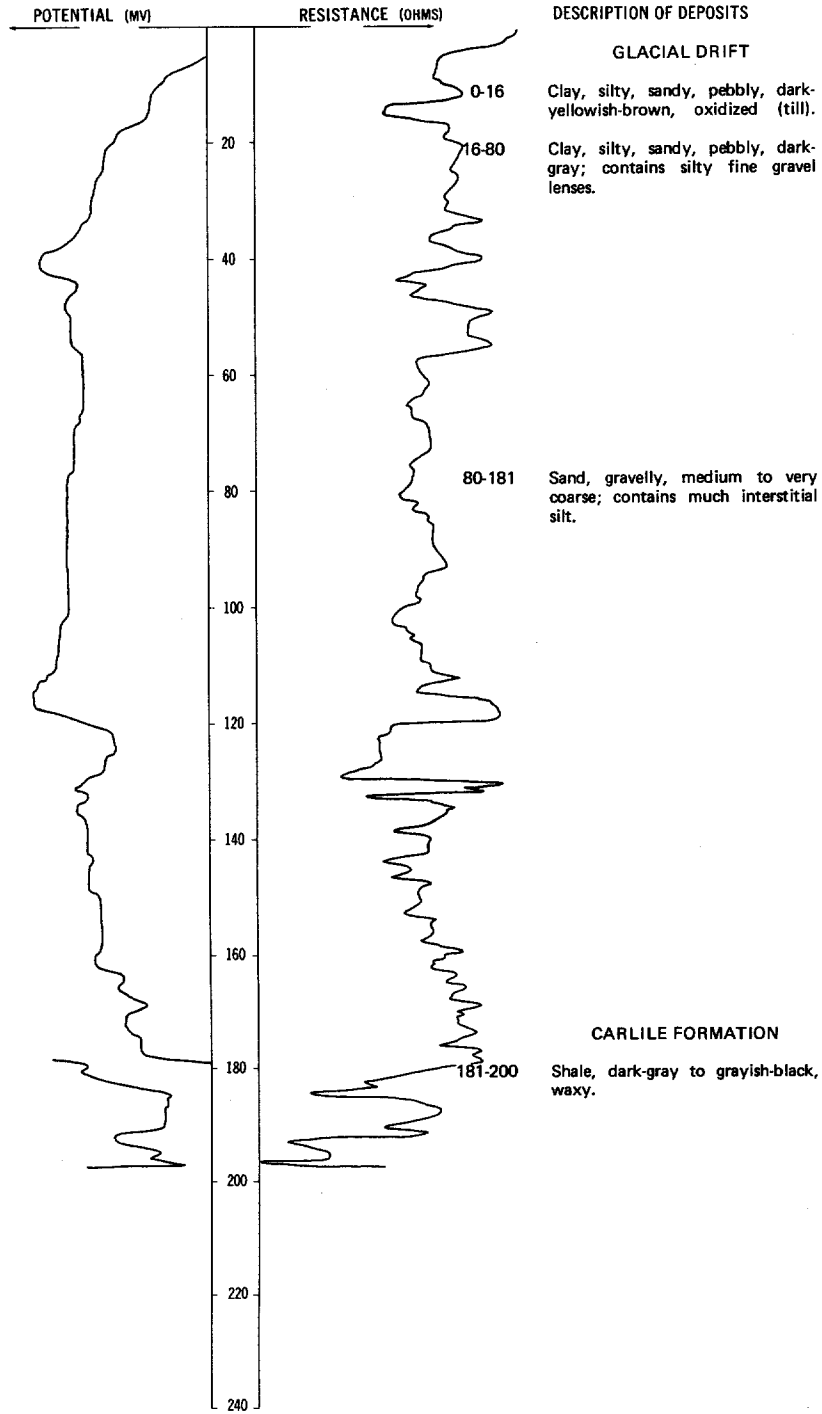
		Date drilled: 11/16/73	
Clay, yellow-----		23	23
Shale-----		112	135
Sand-----		25	160
Shale-----		5	165

LOCATION: 131-055-11CCC

DATE DRILLED: 10/14/75

ALTITUDE: 1203  
(FT, NGVD)

DEPTH: 200  
(FT)

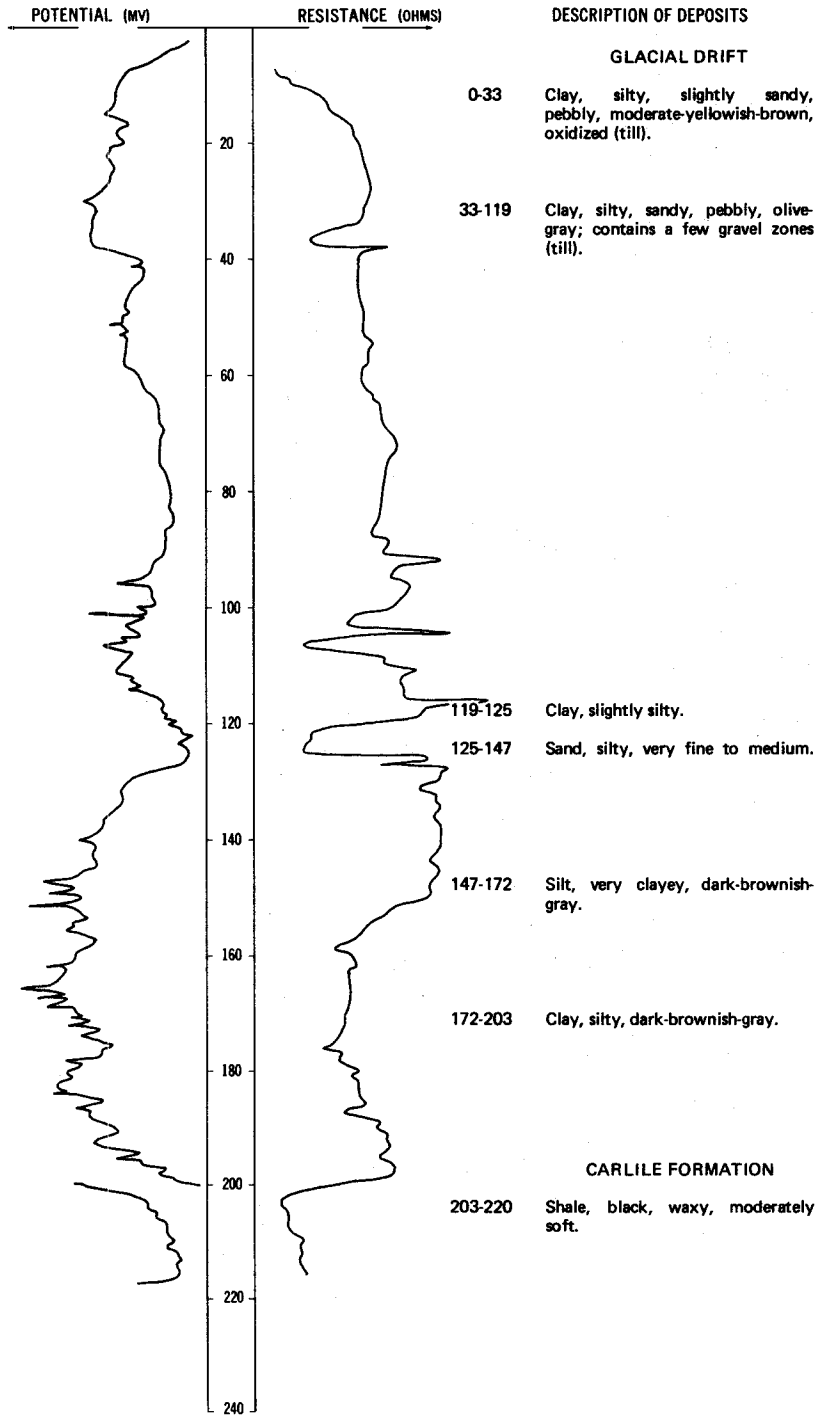


LOCATION: 131-055-12CCC

DATE DRILLED: 9/07/77

ALTITUDE: 1192  
(FT, NGVD)

DEPTH: 220  
(FT)



131-055-15DAB  
(Log from Falk Bros. Well Drilling)

Date drilled: 9/12/74

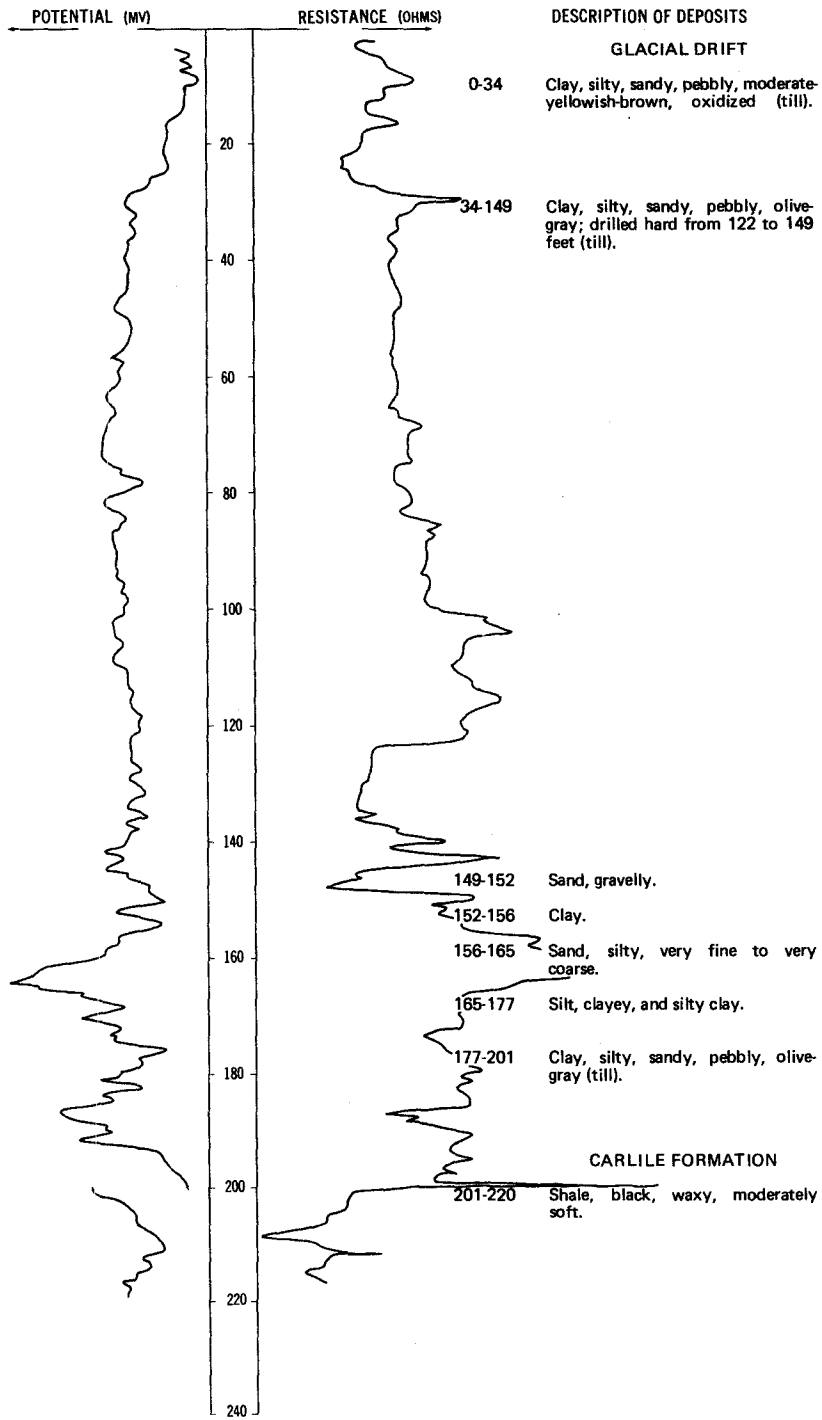
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow-----	18	18
	Shale-----	134	152
	Sand, fine-----	6	158

LOCATION: 131-055-16AAA

DATE DRILLED: 9/06/77

ALTITUDE: 1225  
(FT, NGVD)

DEPTH: 220  
(FT)



131-055-18ADD  
(Log from John M. Manikowski)

Date drilled: 12/02/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	1	1
	Clay, yellow, and gravel-----	41	42
	Clay, blue-----	34	76
	Gravel and clay-----	16	92
	Clay, blue, gravelly-----	46	138
	Sand, water-bearing-----	15	153

131-055-18DDD  
(Log from John M. Manikowski)

Date drilled: 6/07/76

	Topsoil, black-----	1	1
	Clay, yellow-----	34	35
	Clay, blue, and rock-----	43	78
	Gravel and clay-----	3	81
	Clay, blue-----	34	115
	Sand, gravel, and clay-----	12	127
	Clay, blue-----	18	145
	Sand, fine-----	5	150
	Sand, water-----	14	164

131-055-23BAA  
(Log from Wieber Well Drilling)

Date drilled: 10/02/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	1	1
	Clay, yellow	9	10
	Sand, coarse	10	20
	Clay, yellow; with stones	40	60
	Clay, blue	40	100
	Clay, blue; with sand layers	20	120
	Sand, gray; no water	25	145
	Sand, fine, uniform, water-bearing	11	156

131-055-29CCC  
(Log from John M. Manikowski)

Date drilled: 9/02/75

	Topsoil, black	1	1
	Clay, yellow, hard	36	37
	Clay, blue	28	65
	Sand and gravel	2	67
	Clay, blue, gravelly	97	164
	Sand, fine	3	167
	Sand, water-bearing	10	177

131-055-33DCC  
(Log from Falk Bros. Well Drilling)

Date drilled: 11/19/73

	Clay, yellow	22	22
	Shale	123	145
	Sand lens	31	176
	Shale	4	180

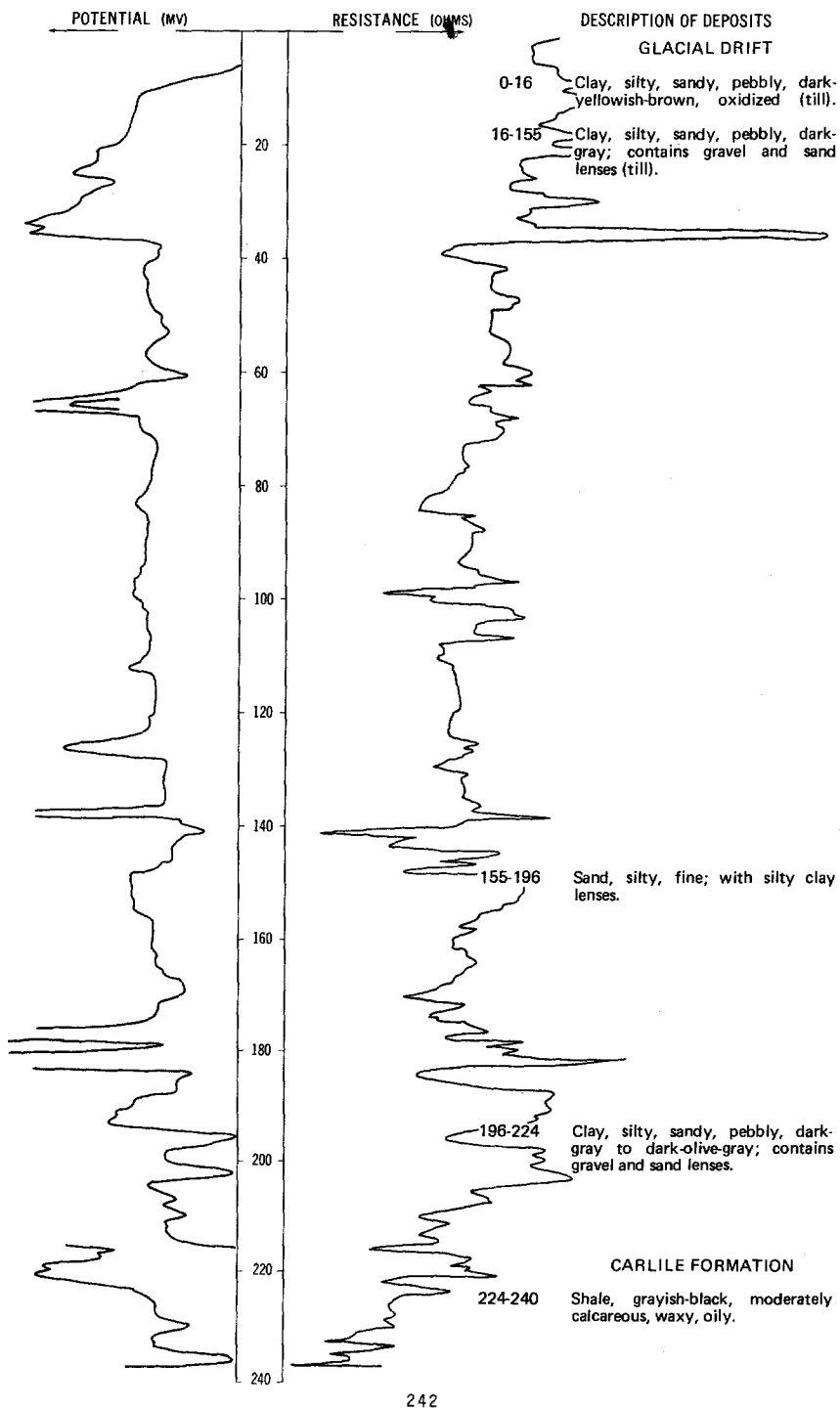


LOCATION: 131-055-34DDD

DATE DRILLED: 10/09/75

ALTITUDE: 1219  
(FT, NGVD)

DEPTH: 240  
(FT)

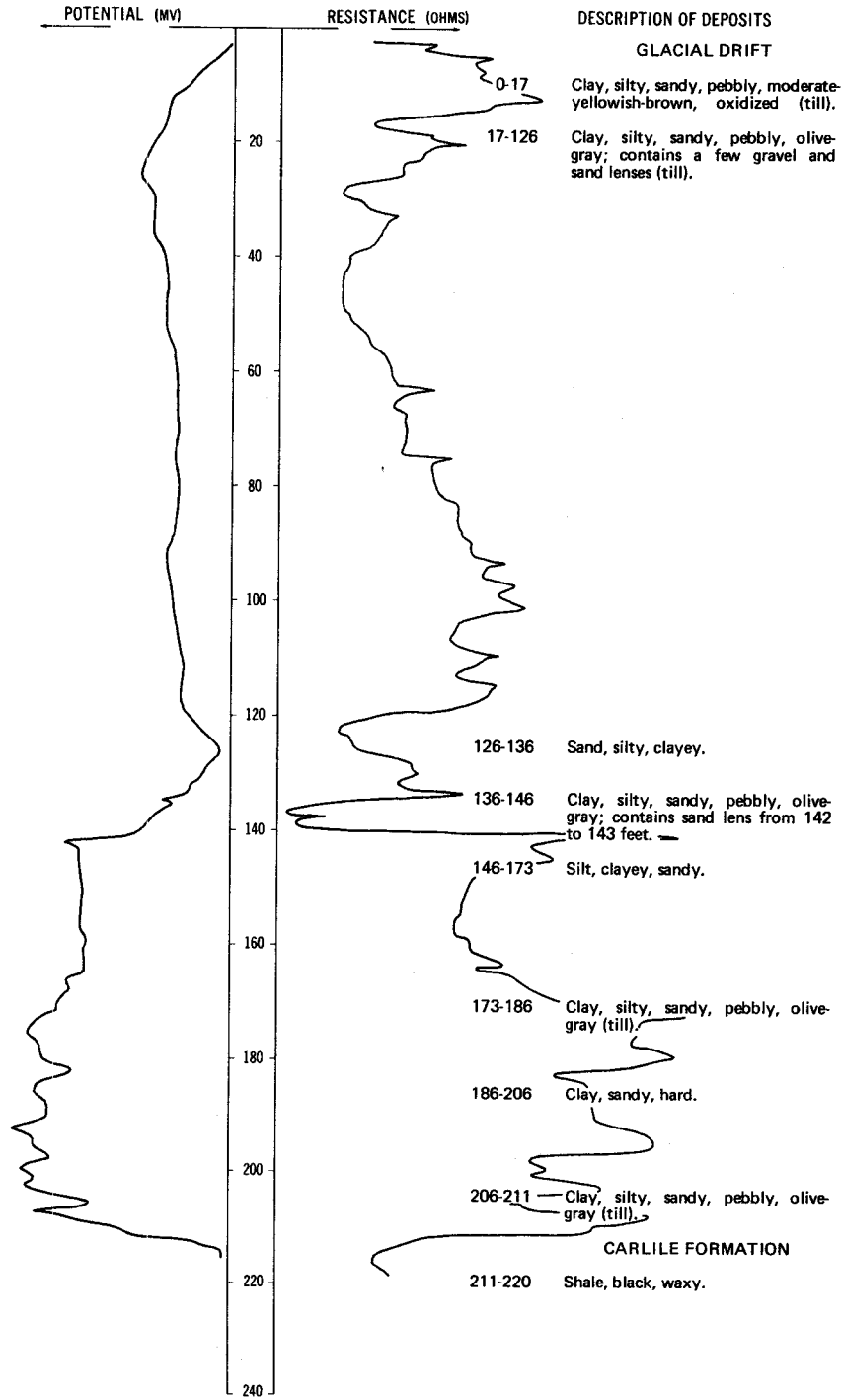


LOCATION: 131-055-36DDD

DATE DRILLED: 9/07/77

ALTITUDE: 1199  
(FT, NGVD)

DEPTH: 220  
(FT)



131-056-01ACD  
(Log from Wieber Well Drilling)

		Date drilled: 10/10/75	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	2	2
	Clay, yellow-----	33	35
	Clay, blue-----	75	110
	Sand, red, coarse-----	20	130
	Clay-----	12	142
	Sand, coarse-----	10	152

131-056-02BAA  
(Log from John M. Manikowski)

		Date drilled: 5/21/76	
	Topsoil, black-----	2	2
	Clay, yellow, and gravel-----	43	45
	Clay, blue-----	45	90
	Clay, blue, and gravel-----	7	97
	Sand-----	8	105
	Clay, blue, hard, and gravel-----	40	145
	Sand-----	2	147
	Clay, blue, hard, and sand-----	9	156
	Gravel, medium to coarse-----	10	166

131-056-13DDA  
(Log from Wieber Well Drilling)

		Date drilled: 9/19/72	
	Topsoil, black-----	2	2
	Clay, yellow, stony-----	68	70
	Clay, blue, silty, sandy-----	50	120
	Sand, fine-----	5	125
	Clay and sand-----	10	135
	Sand, water-bearing-----	13	148

131-056-13DDD  
(Log from Wieber Well Drilling)

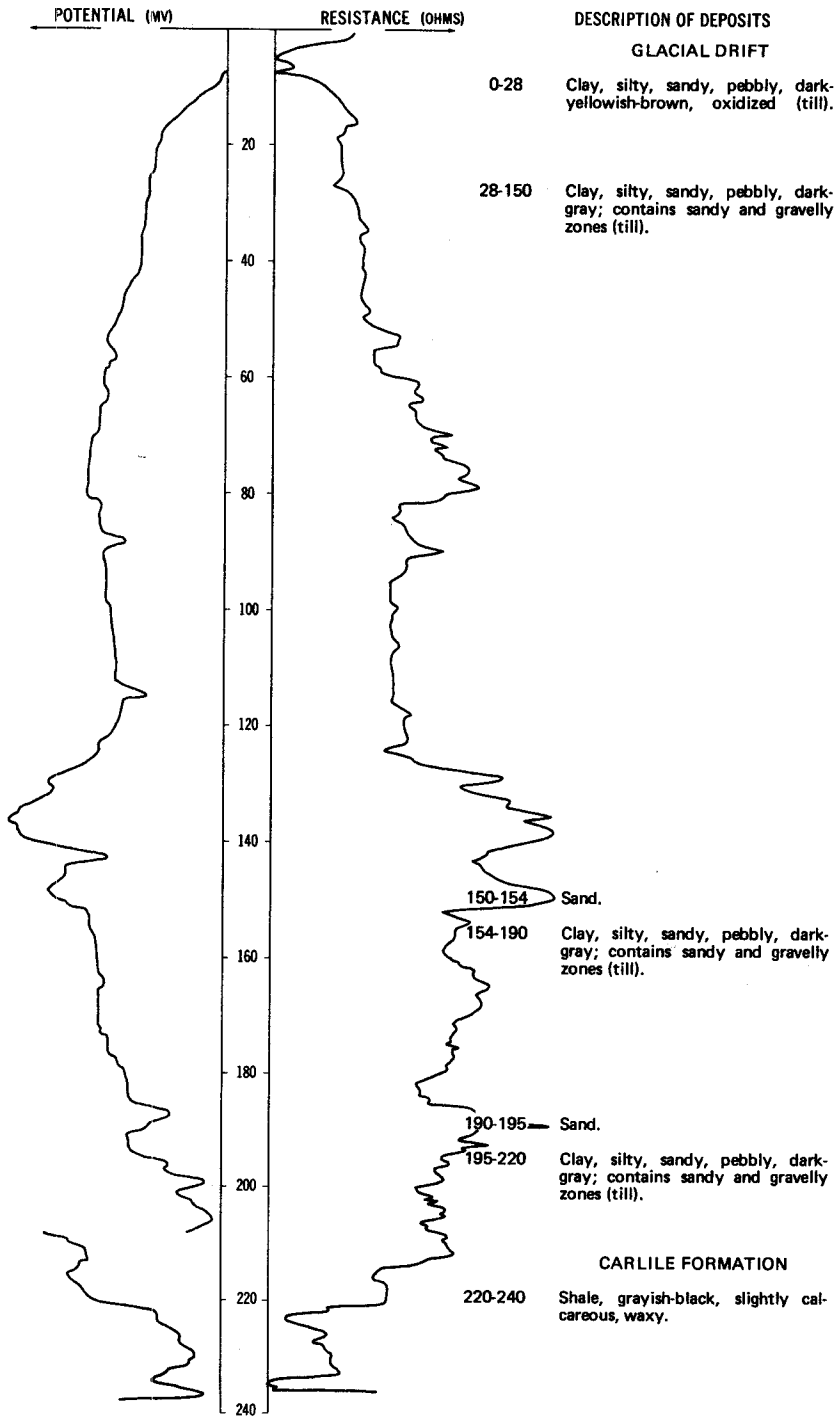
		Date drilled: 8/30/73	
	Dirt, black-----	1.5	1.5
	Clay, yellow, gravelly-----	46.5	48
	Clay, blue, gravelly-----	52	100
	Sand, fine; layers-----	20	120
	Clay, blue; sand layers-----	30	150
	Sand, water-bearing-----	15	165

LOCATION: 131-056-14CBB

DATE DRILLED: 10/15/75

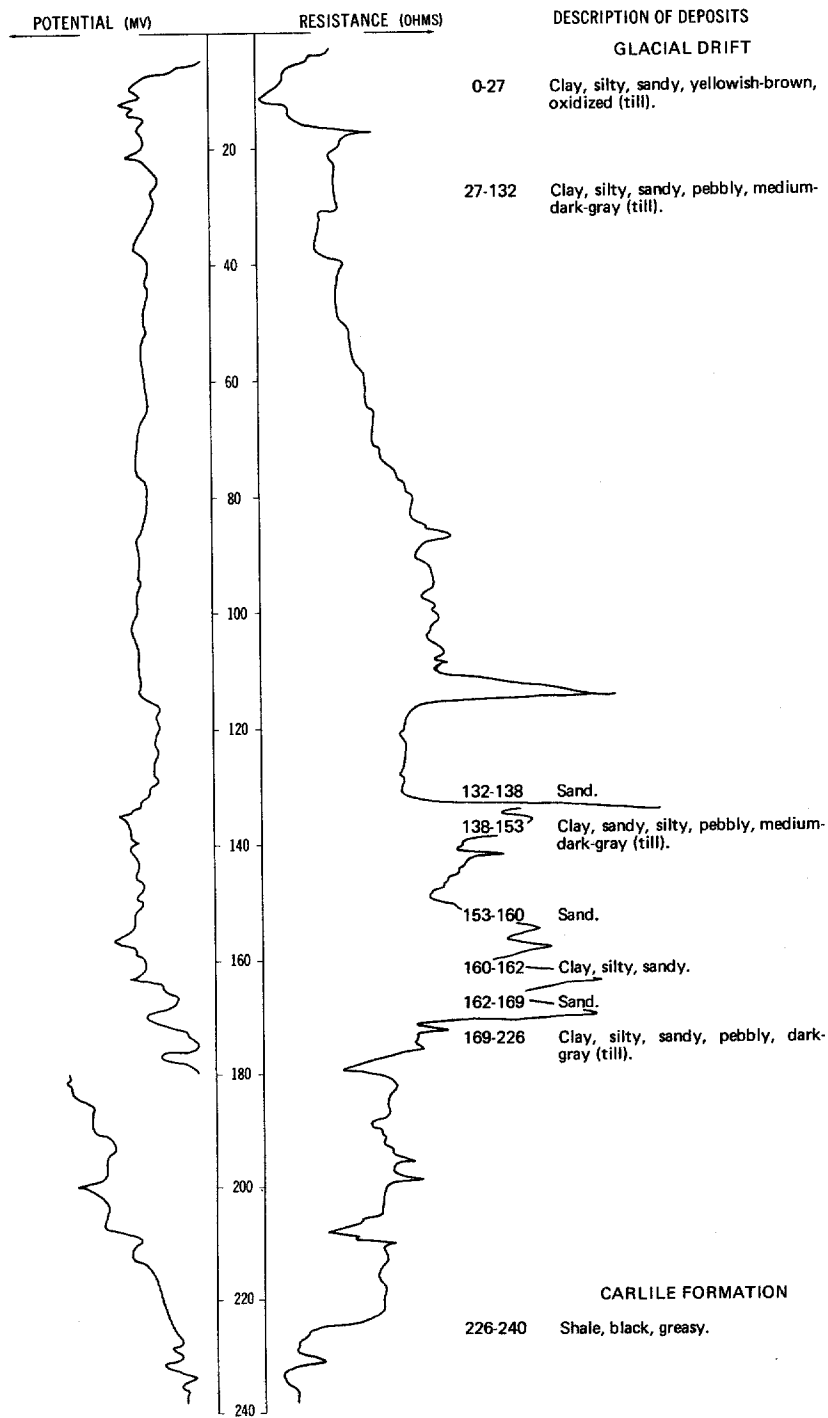
ALTITUDE: 1281  
(FT, NGVD)

DEPTH: 240  
(FT)



LOCATION: 131-056-19DDD  
ALTITUDE: 1320  
(FT, NGVD)

DATE DRILLED: 8/24/77  
DEPTH: 240  
(FT)



131-056-21AAA  
(Log from Wieber Well Drilling)

Date drilled: 12/02/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, yellow-----	24	25
	Clay, gravelly-----	50	75
	Clay, blue-----	15	90
	Sand, poor-----	15	105
	Clay and sand-----	15	120
	Sand, dirty-----	4	124
	Sand, coarse-----	10	134

131-056-21BBA  
(Log from Wieber Well Drilling)

Date drilled: 7/16/76

	Topsoil, black-----	1	1
	Clay, yellow-----	29	30
	Clay, blue-----	35	65
	Sand, medium-----	20	85

131-056-22ADB  
(Log from Frederickson's Inc.)

Date drilled: 5/24/74

	Topsoil-----	2	2
	Clay, sandy, rocky-----	38	40
	Clay, sandy, soft-----	61	101
	Clay, sandy, rocky-----	6	107
	Clay, sandy, soft-----	38	145
	Clay, sandy-----	18	163
	Sand-----	2	165
	Clay, sandy-----	28	193
	Clay, sandy; with shale-----	35	228
	Shale-----	4	232

131-056-22ADD  
(Log from Frederickson's Inc.)

Date drilled: 1/28/74

	Topsoil-----	2	2
	Clay, sandy-----	58	60
	Rock-----	2	62
	Clay, sandy-----	25	87
	Clay, sandy, soft; with small rocks-----	45	132
	Sand, dirty-----	3	135
	Clay, sandy, soft-----	32	167
	Clay, sandy, soft; with sand lenses-----	7	174
	Clay, sandy, soft-----	50	224
	Clay, sandy-----	14	238
	Shale-----	4	242

131-056-23CBB2  
(Log from Frederickson's Inc.)

Date drilled: 2/08/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, sandy-----	52	54
	Sand, washed-----	1	55
	Clay, sandy-----	5	60
	Sand and gravel-----	3	63
	Clay, sandy, soft-----	69	132
	Sand, dirty-----	6	138
	Clay, sandy, soft-----	52	190
	Sand lenses-----	2	192
	Sand-----	8	200
	Clay, sandy-----	7	207

131-056-23CBB3  
(Log from Frederickson's Inc.)

Date drilled: 2/09/74

	Topsoil-----	2	2
	Clay, sandy-----	17	19
	Clay, sandy, soft-----	173	192
	Clay, sandy, hard-----	7	199
	Clay, sandy, soft-----	13.5	212.5
	Sand-----	1	213.5
	Clay, sandy, soft-----	8.5	222
	Shale, soft-----	5	227
	Shale, hard-----	8	235

131-056-23CBB4  
(Log from Frederickson's Inc.)

Date drilled: 2/11/74

	Topsoil-----	2	2
	Clay, sandy-----	18	20
	Clay, sandy, soft-----	133	153
	Clay, sandy-----	46	199
	Sand-----	2	201
	Clay, sandy-----	19	220
	Shale-----	2	222

131-056-25CCA  
(Log from John M. Manikowski)

Date drilled: 7/27/73

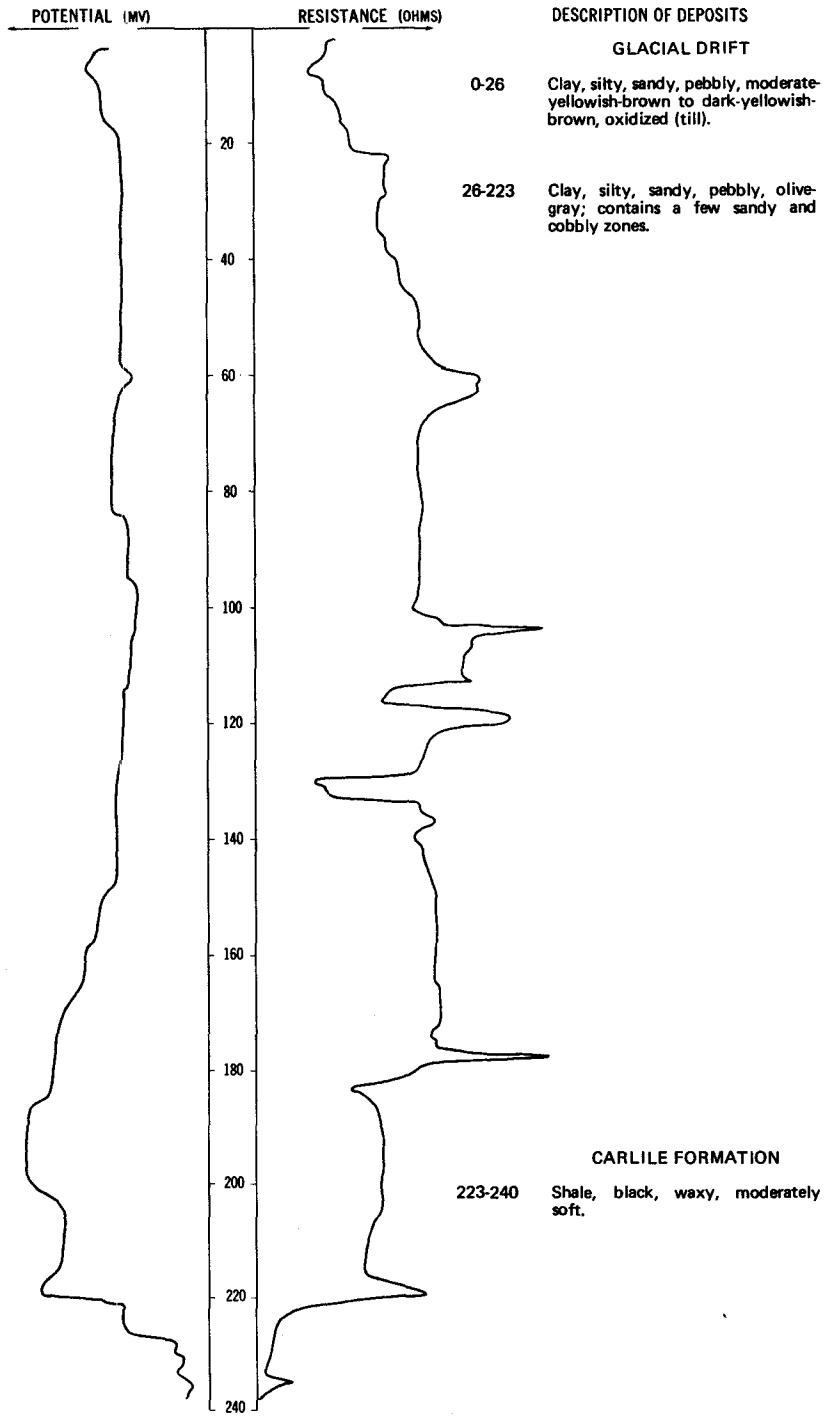
	Soil, black-----	1	1
	Clay, yellow-----	26	27
	Clay, blue-----	58	85
	Gravel and clay-----	10	95
	Clay, blue-----	43	138
	Sand, water-bearing-----	13	151

LOCATION: 131-056-26CCC

DATE DRILLED: 9/06/77

ALTITUDE: 1270  
(FT, NGVD)

DEPTH: 240  
(FT)



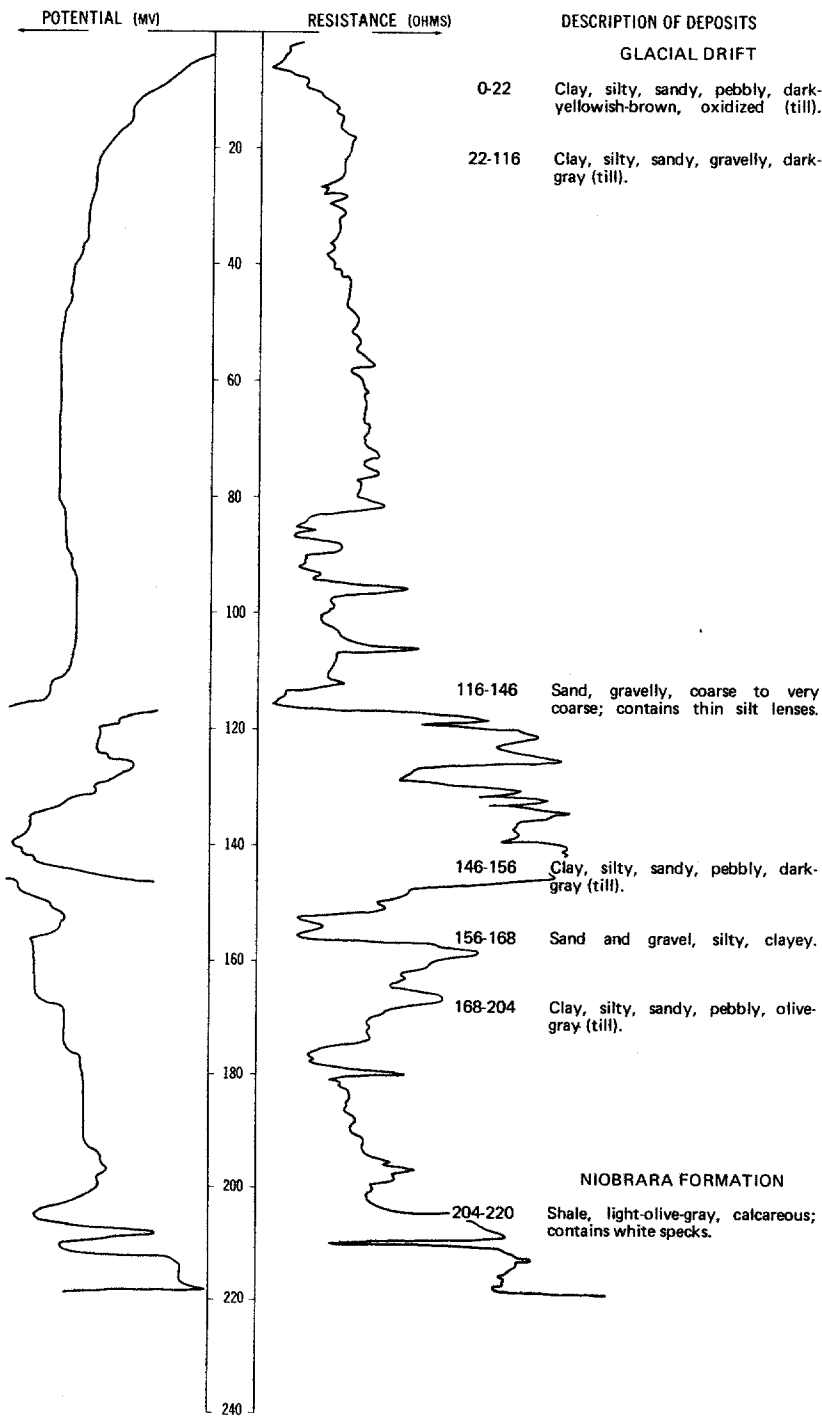


LOCATION: 131-056-31CCC

DATE DRILLED: 10/16/75

ALTITUDE: 1311  
(FT, NGVD)

DEPTH: 220  
(FT)

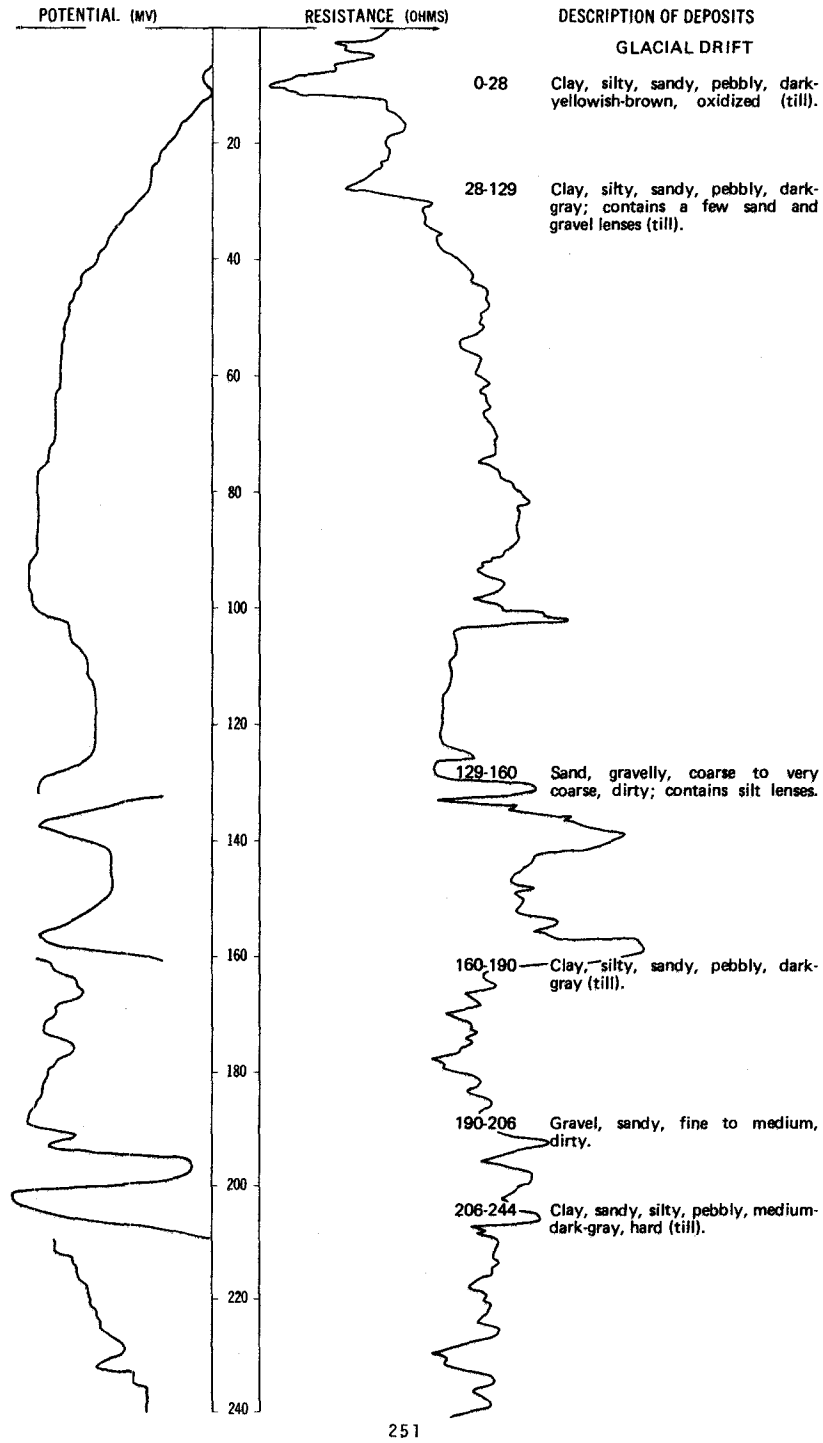


LOCATION: 131-056-33CCC

DATE DRILLED: 10/15/75

ALTITUDE: 1305  
(FT, NGVD)

DEPTH: 260  
(FT)



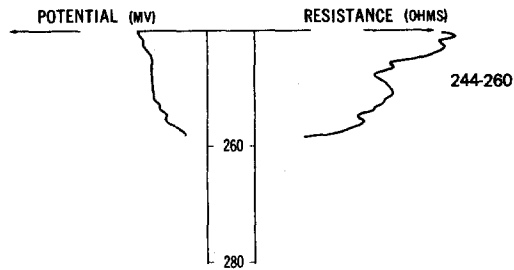
NDSWC 4855, Continued

LOCATION: 131-056-33CCC

DATE DRILLED: 10/15/75

ALTITUDE: 1305  
(FT, NGVD)

DEPTH: 260  
(FT)



DESCRIPTION OF DEPOSITS

CARLILE FORMATION

244-260 Shale, grayish-black, slightly calcareous, waxy.

131-056-33DAA1  
(Log from Falk Bros. Well Drilling)

Date drilled: 3/19/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow	15	15
	Shale	120	135
	Sand, cemented	75	210
	Sand, fine to coarse	15	225

131-056-33DAA2  
(Log from Falk Bros. Well Drilling)

Date drilled: 8/15/74

	Clay, yellow	15	15
	Shale	125	140
	Sand lens	8	148
	Shale	4	152
	Sand lens	8	160

131-056-35BBA  
(Log from Wieber Well Drilling)

Date drilled: 7/31/73

	Soil, black	2	2
	Clay, yellow; small stones	18	20
	Gravel, coarse; strips in layers of clay	15	35
	Clay, blue; many stones and rock	55	90
	Sand, fine; clay; and a few rocks	20	110
	Sand, coarse; with layers of clay	10	120
	Sand, coarse, uniform	20	140

131-056-36AAA  
(Log from Wieber Well Drilling)

Date drilled: 4/20/75

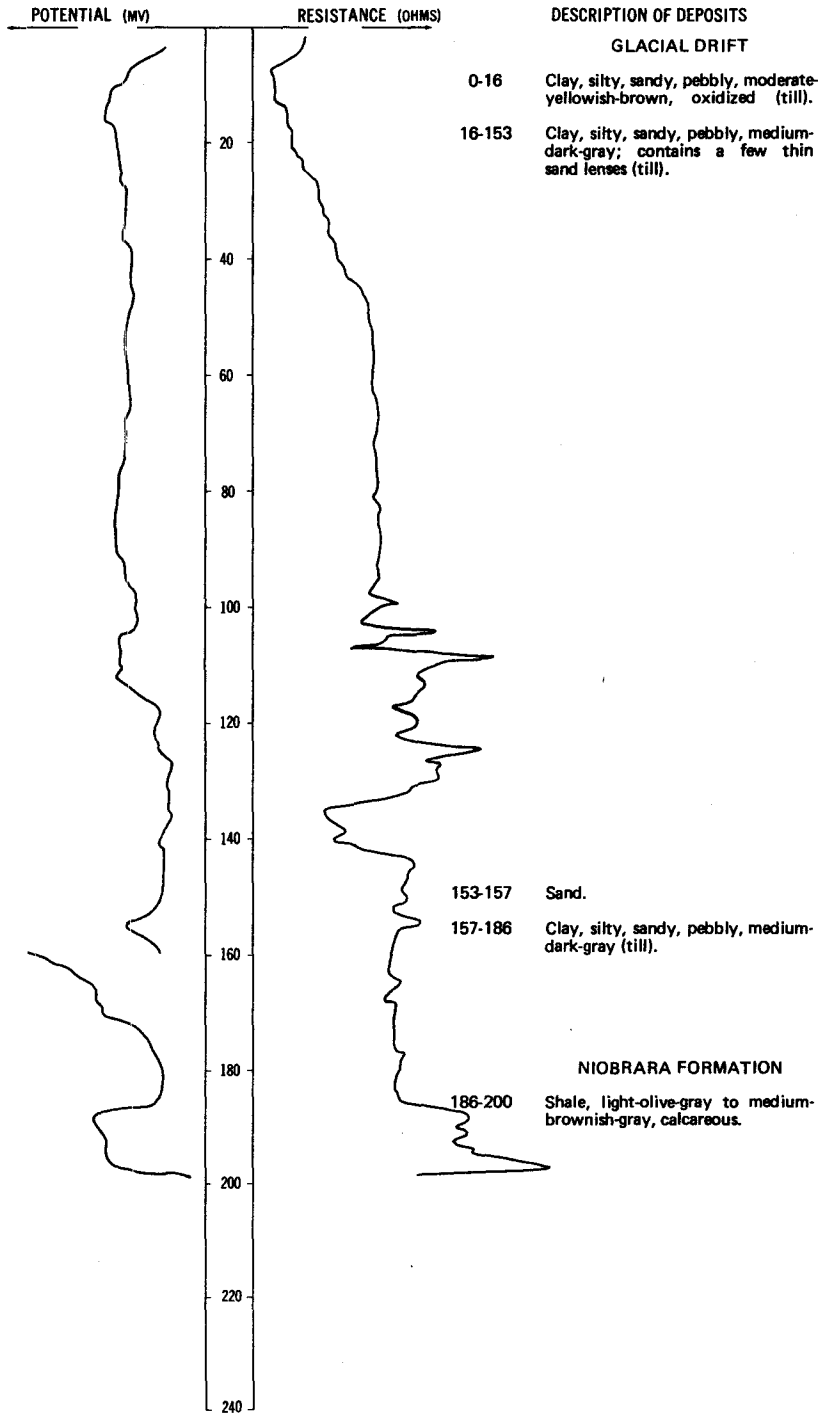
	Topsoil, black	2	2
	Clay, yellow, stony	38	40
	Clay, blue	50	90
	Sand, fine; in clay	20	110
	Clay, blue	30	140
	Sand, fine, dirty	6	146
	Sand, coarse	12	158

LOCATION: 131-057-01DDD

DATE DRILLED: 8/25/77

ALTITUDE: 1308  
(FT, NGVD)

DEPTH: 200  
(FT)



131-057-03DDC  
NDSWC 9944

Altitude:	1312 feet	Date drilled:	8/25/77
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Sand, fine, gray-----	7	7
	Clay, silty, sandy, pebbly, yellowish-brown, oxidized (till)-----	6	13
	Clay, silty, gray-----	44	57
	Clay, silty, sandy, pebbly, medium-gray-----	43	100

131-057-03DDD  
USBR W-25

Altitude:	1313 feet	Date drilled:	11/01/66
	Loam, fine, sandy-----	3	3
	Loam-----	1	4
	Loam, fine, sandy-----	2	6
	Loam, sandy-----	1.5	7.5
	Loam and silt-----	1.5	9

131-057-04CCC  
USBR W-23

Altitude:	1308 feet	Date drilled:	10/26/66
	Loam, sandy-----	1	1
	Loam, very fine, sandy-----	4	5
	Loam, sandy-----	6	11
	Sand-----	9	20

131-057-04DDD  
USBR W-24

Altitude:	1307 feet	Date drilled:	10/26/66
	Sand, loamy-----	1	1
	Sand, fine, loamy-----	4	5
	Loam, sandy-----	3	8
	Sand-----	3	11
	Loam, silty-----	6	17
	Till-----	3	20

131-057-06DCC  
(Log from Green Circle Supply Co.)

		Date drilled:	7/22/76
	Topsoil-----	1	1
	Sand, fine-----	39	40
	Sand, coarse-----	4	44

131-057-06DDB  
(Log from Green Circle Supply Co.)

Date drilled: 9/28/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil	1	1
	Sand, fine	29	30
	Sand, fine, cemented	42	72
	Gravel, medium, dirty	2	74
	Sand, fine to medium, cemented	47	121
	Gravel, coarse, clean	19	140

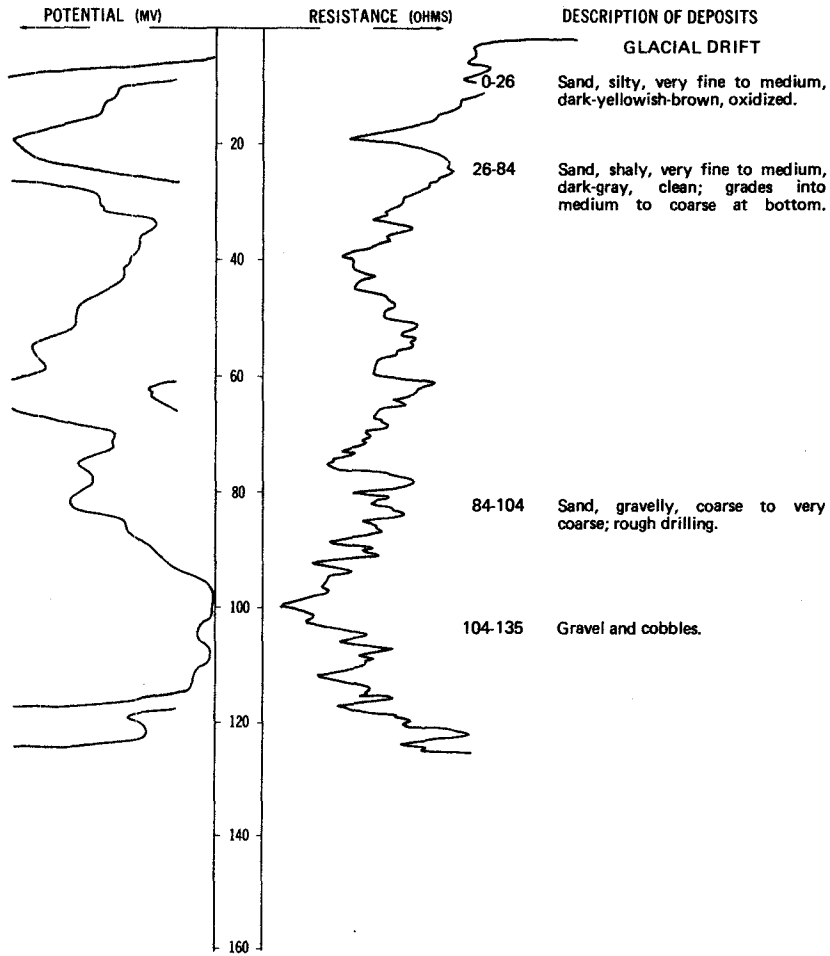
NDSWC 4868

LOCATION: 131-057-06DDD1

DATE DRILLED: 10/21/75

ALTITUDE: 1304  
(Ft, NGVD)

DEPTH: 135  
(Ft)



131-057-06DDD2  
(Log from Green Circle Supply Co.)

Date drilled: 9/23/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	1	1
	Sand, silty.....	21	22
	Sand, fine.....	6	28
	Clay, silty, soft.....	62	90
	Clay, gravelly.....	10	100

131-057-06DDD3  
USB R W-26

Altitude: 1306 feet

Date drilled: 11/16/66

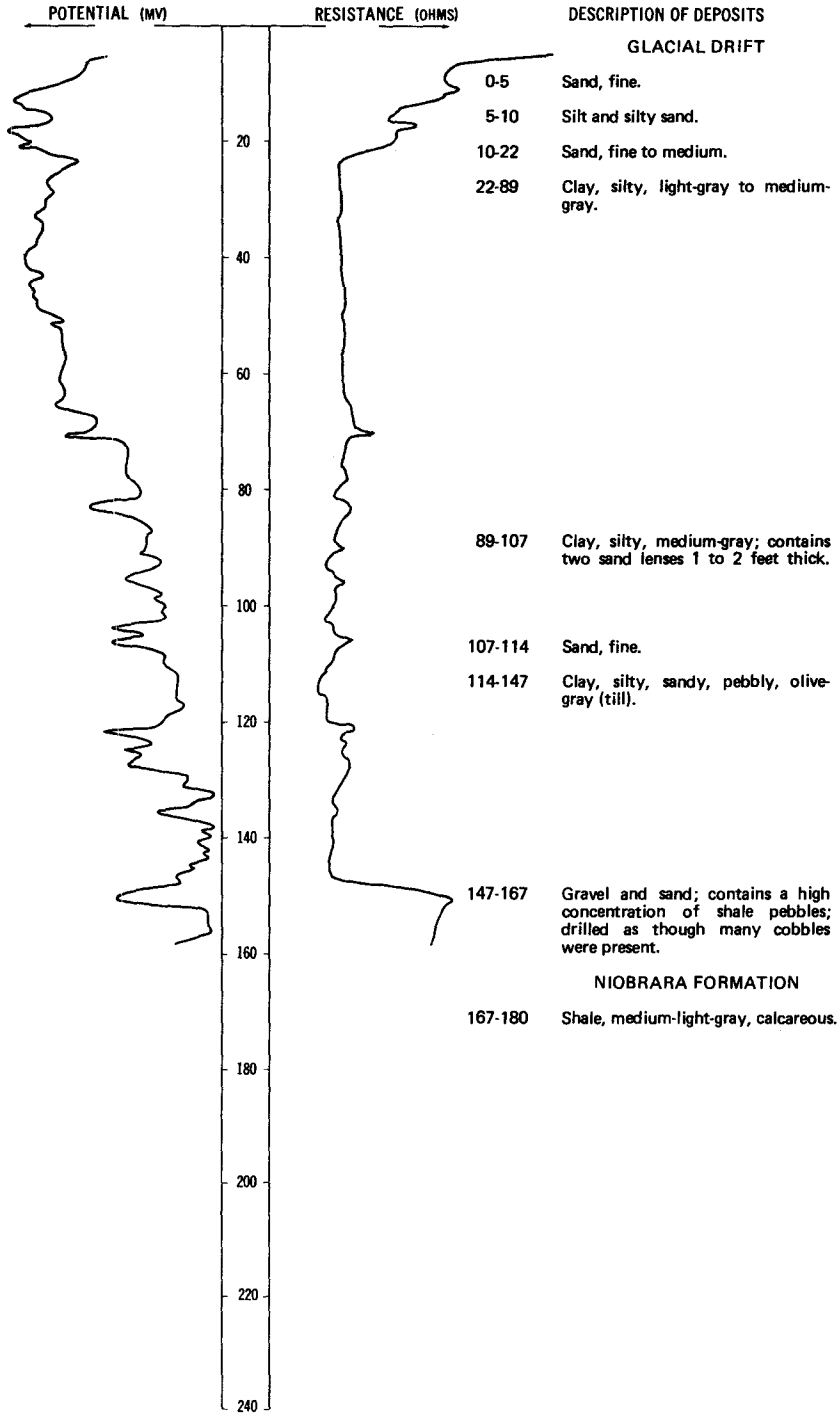
	Loam, sandy.....	2	2
	Sand, fine.....	1	3
	Loam, silty.....	6	9
	Sand, loamy.....	11	20

LOCATION: 131-057-08AAA

DATE DRILLED: 8/25/77

ALTITUDE: 1309  
(FT. NGVD)

DEPTH: 180  
(FT)



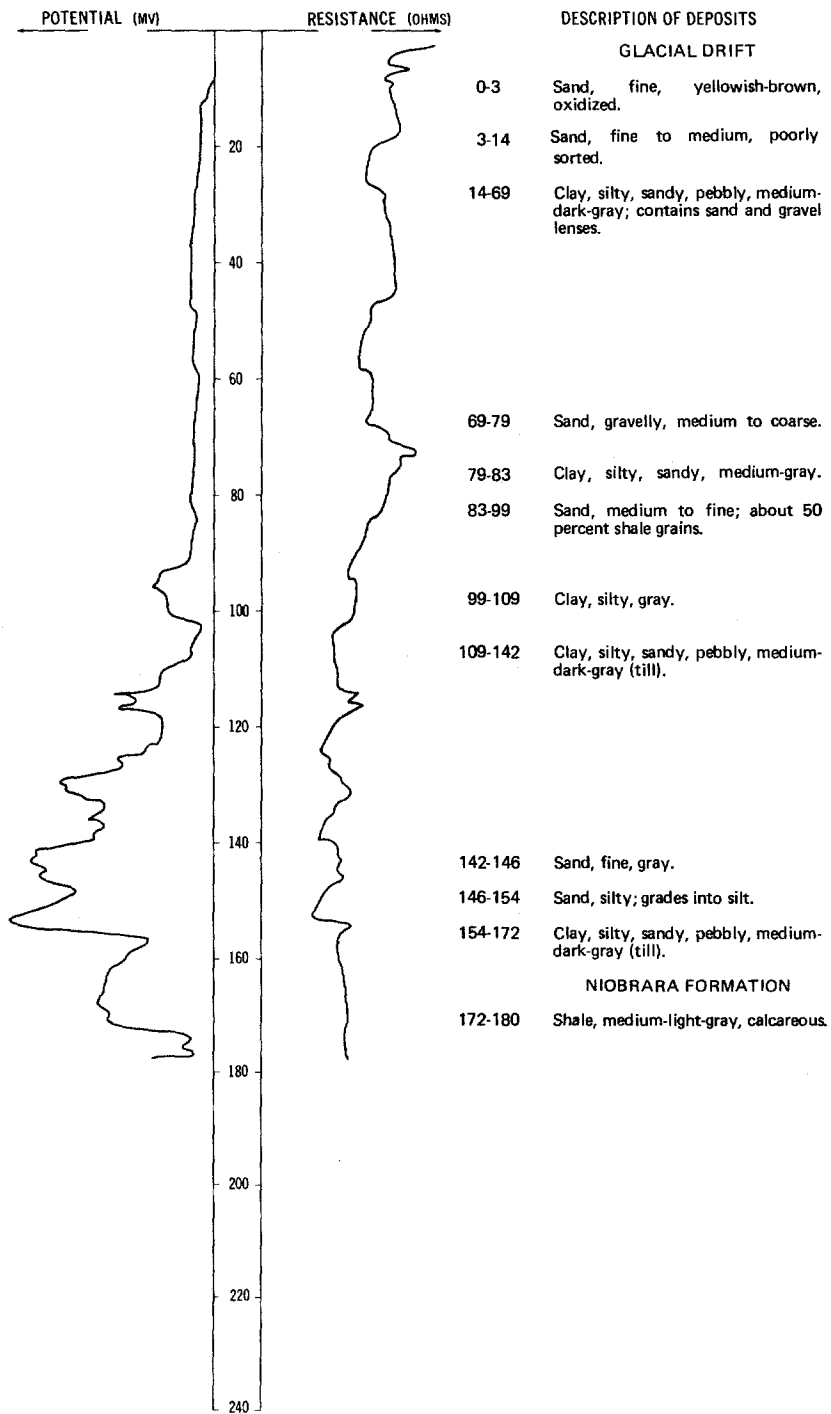


LOCATION: 131-057-108BB

DATE DRILLED: 8/25/77

ALTITUDE: 1306  
(FT, NGVD)

DEPTH: 180  
(FT)



131-057-17AAA  
USBR W-22

Altitude: 1306 feet

Date drilled: 10/26/66

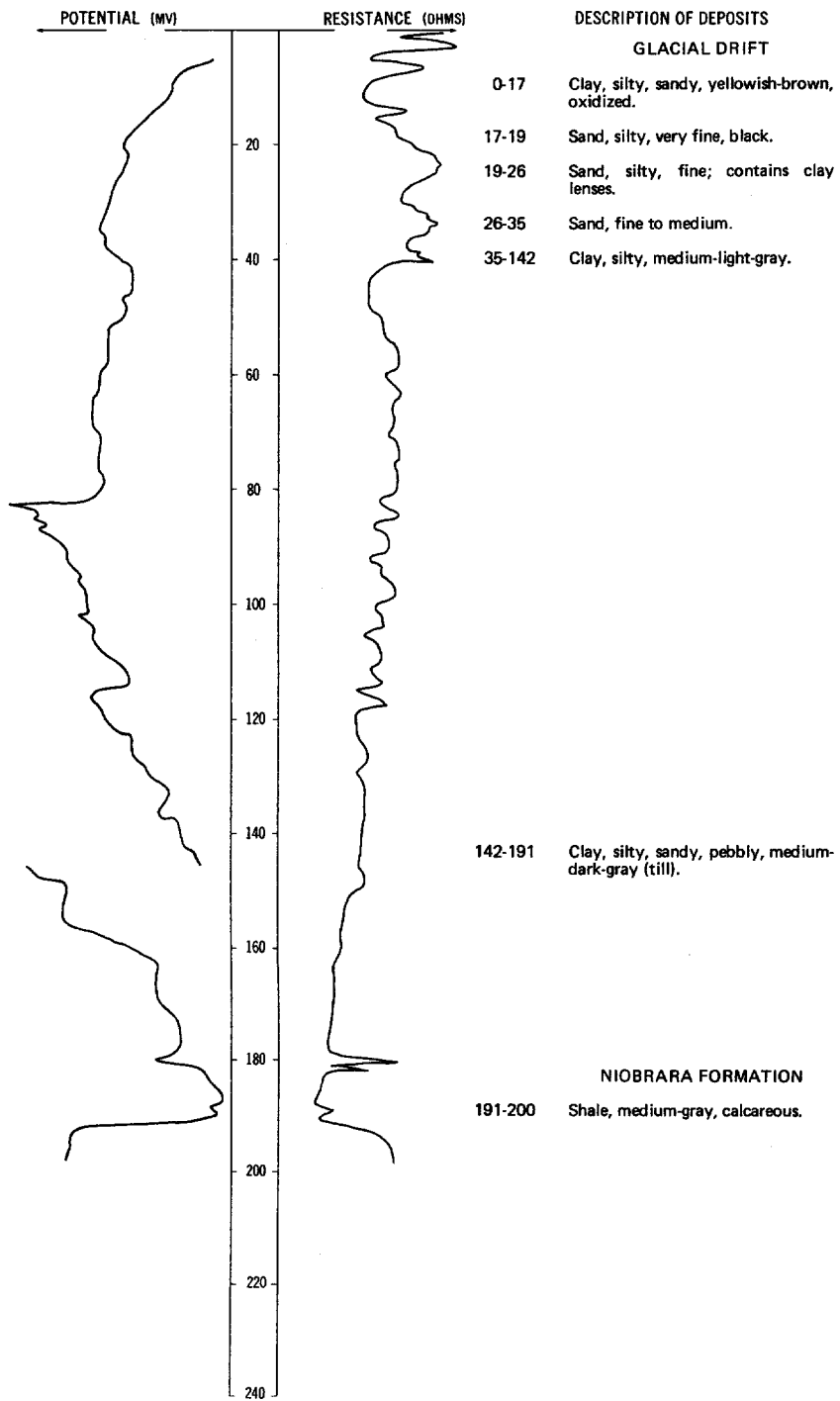
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, loamy-----	1	1
	Loam, sandy-----	4	5
	Sand, very fine, loamy-----	1	6
	Sand-----	14	20

LOCATION: 131-057-20CCC

DATE DRILLED: 8/26/77

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 200  
(FT)

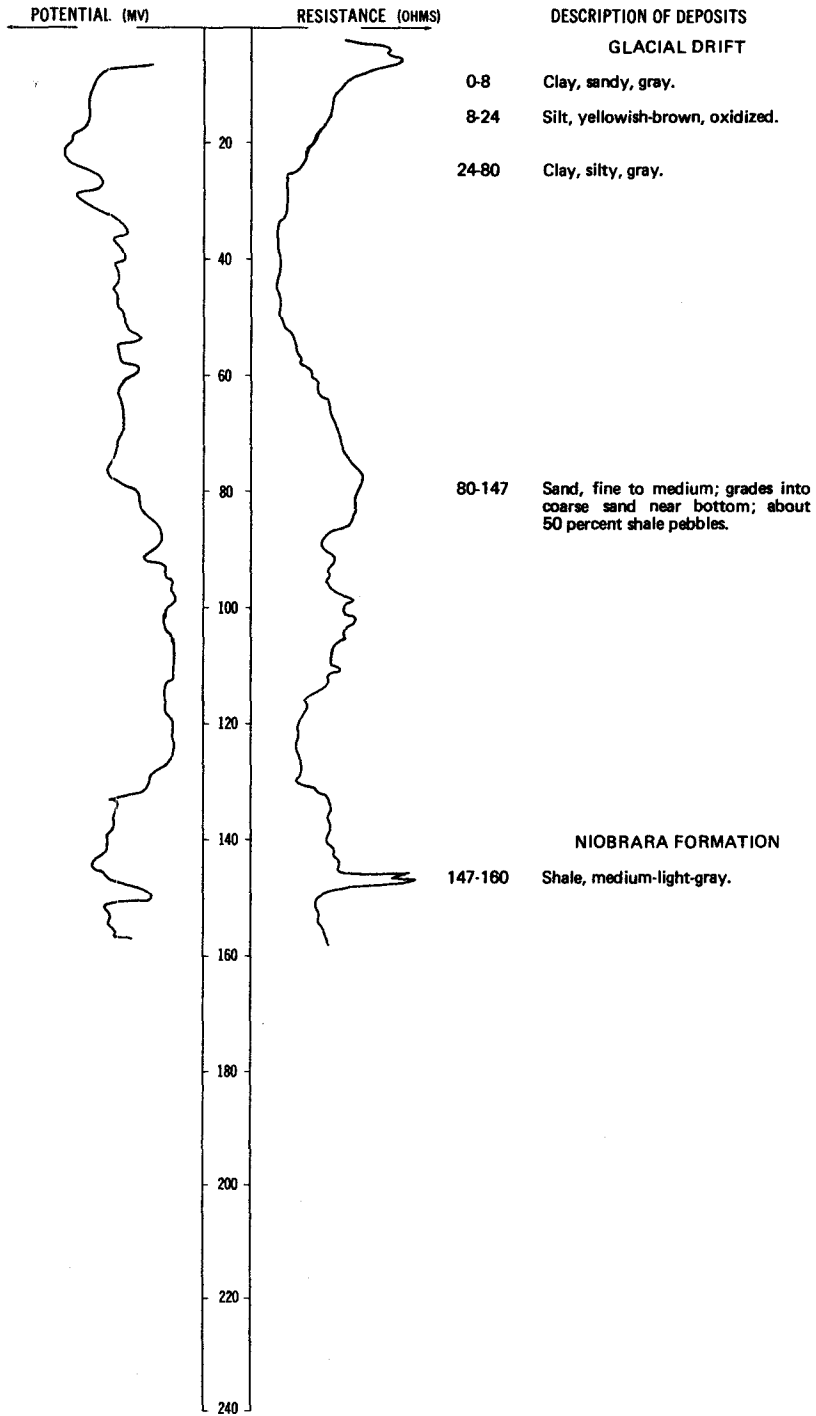


LOCATION: 131-057-20DDD

DATE DRILLED: 8/26/77

ALTITUDE: 1304  
(FT, NGVD)

DEPTH: 160  
(FT)



131-057-21BBB  
USBR W-21

Altitude: 1323 feet

Date drilled: 10/26/66

GEOLOGIC  
SOURCE

MATERIAL

THICKNESS  
(FEET)      DEPTH  
(FEET)

Loam, sandy-----	1	1
Sand, fine-----	4	5
Sand-----	6	11
Loam, sandy-----	4	15
Loam, silty-----	5	20

131-057-21CAC1

(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 5/20/75

Topsoil-----	2	2
Clay, yellow, sandy-----	18	20
Silt-----	58	78
Sand and gravel-----	12	90
Gravel; with clay layers-----	5	95
Sand and gravel-----	45	140

131-057-21CAC2

(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 7/01/75

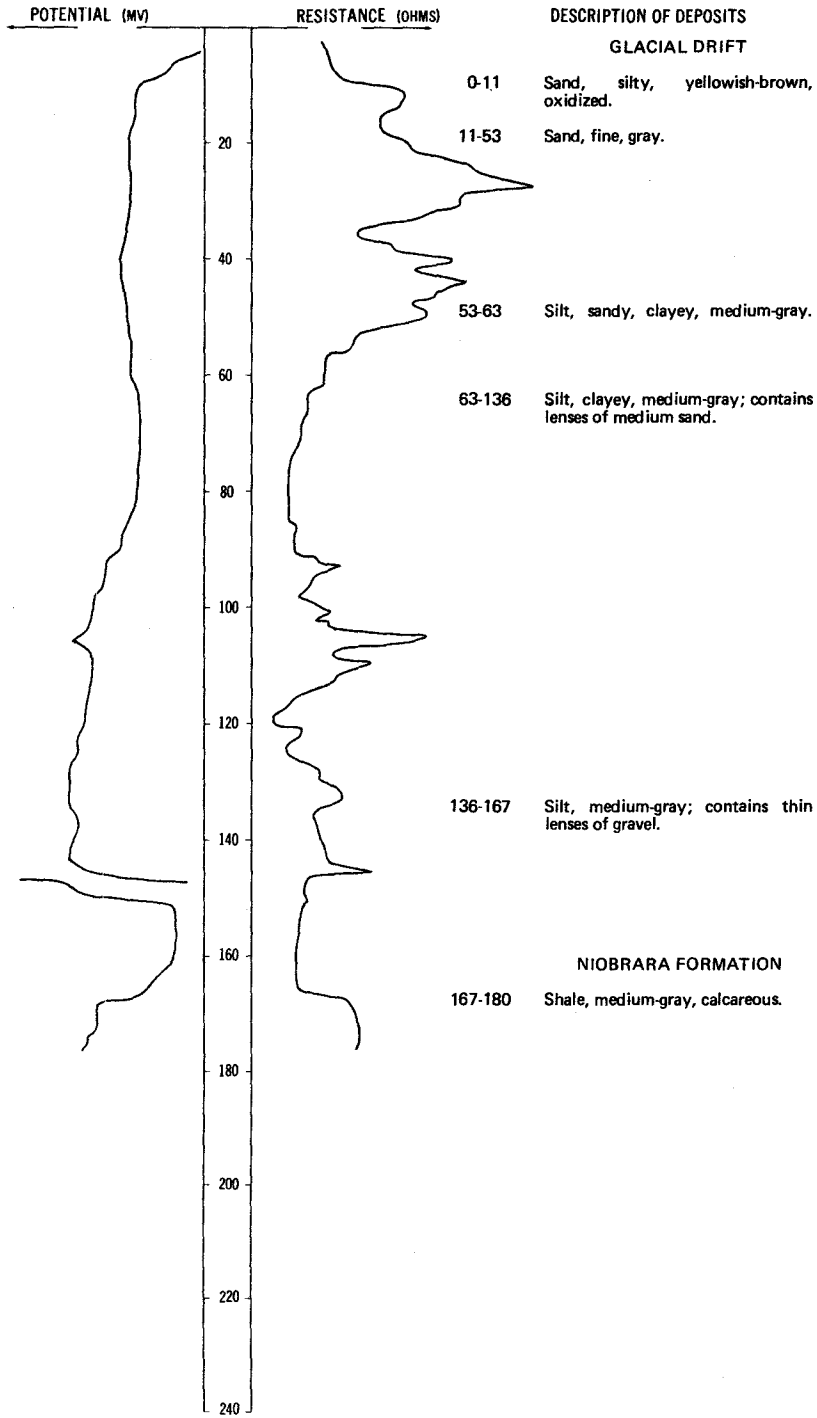
Topsoil-----	2	2
Clay, yellow, sandy-----	18	20
Silt-----	58	78
Sand and gravel-----	12	90
Gravel; with clay layers-----	5	95
Sand and gravel-----	53	148

LOCATION: 131-057-23CCC1

DATE DRILLED: 8/30/77

ALTITUDE: 1297  
(FT, NGVD)

DEPTH: 180  
(FT)



131-057-23CCC2  
USBR W-104

Altitude: 1297 feet

Date drilled: 7/23/68

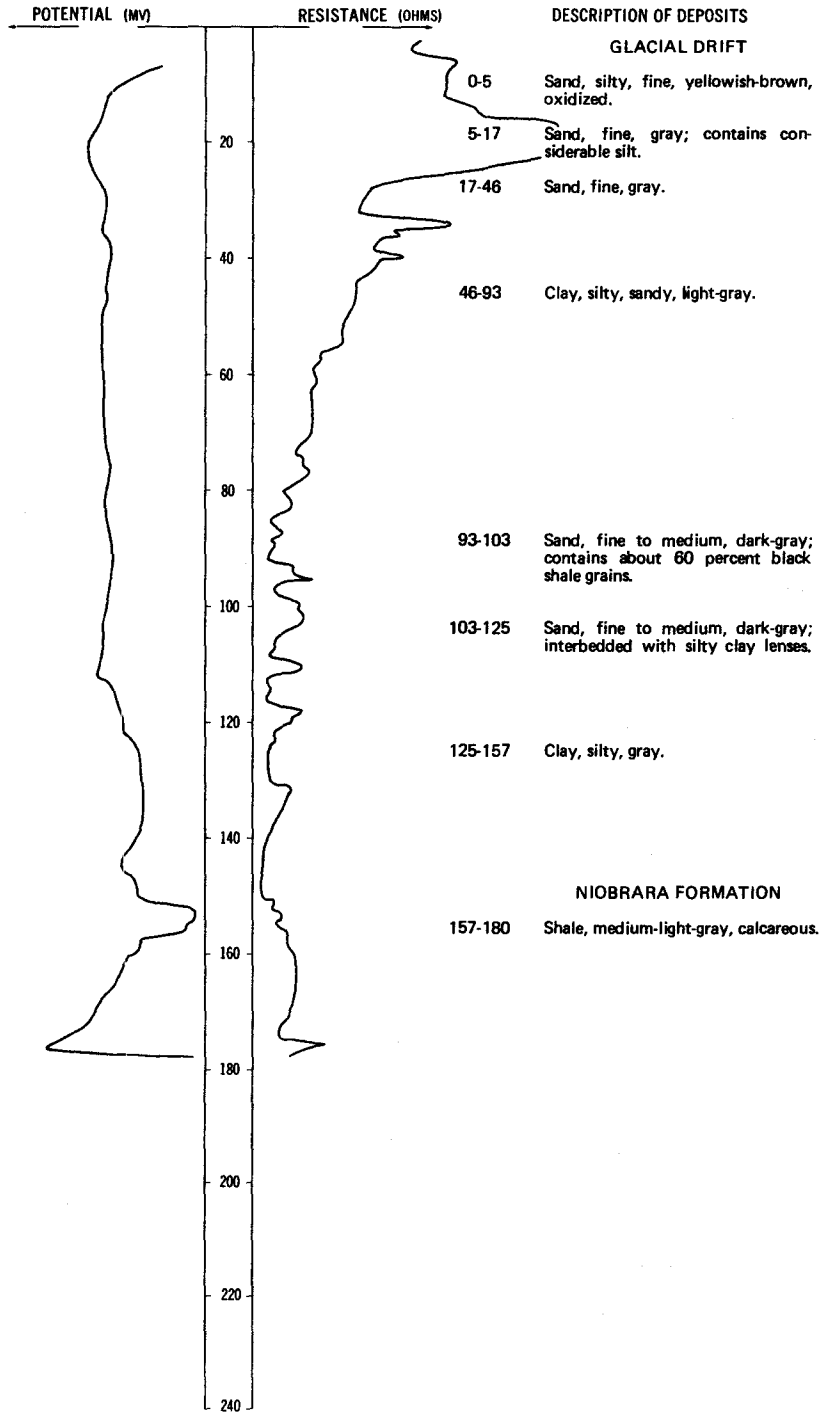
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Loam, sandy-----	2	2
	Loam, silty, limey-----	2	4
	Silt-----	6	10
	Loam, silty-----	10	20
	Sand, fine, loamy, uniform; 25 percent shale chips-----	14	34
	Sand, fine, even-grained; very fine shale chips-----	16	50
	Sand, very fine, well-graded, compact-----	5	55

LOCATION: 131-057-27BBB1

DATE DRILLED: 8/29/77

ALTITUDE: 1300  
(FT, NGVD)

DEPTH: 180  
(FT)





131-057-27BBB2  
USBR W-19

Altitude:	1307 feet	Date drilled:	10/25/66
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, loamy-----	2	2
	Loam, sandy-----	3	5
	Silt, very fine, loamy-----	10	15
	Sand-----	15	30

131-057-27DDD  
USBR W-20

Altitude:	1302 feet	Date drilled:	10/25/66
	Sand, loamy-----	2	2
	Sand-----	5	7
	Sand, loamy-----	5	12
	Loam, silty; with very fine sand layers-----	8	20
	Clay, silty, till-----	30	50

131-057-29AAA  
USBR W-18

Altitude:	1302 feet	Date drilled:	10/24/66
	Sand, loamy-----	1	1
	Sand, fine, loamy-----	2	3
	Loam, fine, sandy-----	2	5
	Loam, silty, to very fine sand-----	10	15
	Loam, silty-----	5	20

131-057-29DDD  
USBR W-17

Altitude:	1303 feet	Date drilled:	10/24/66
	Sand, loamy-----	3	3
	Loam, fine, sandy-----	2	5
	Sand, fine-----	2	7
	Loam, fine, sandy-----	3	10
	Loam, silty-----	10	20

131-057-33DDD  
USBR W-102

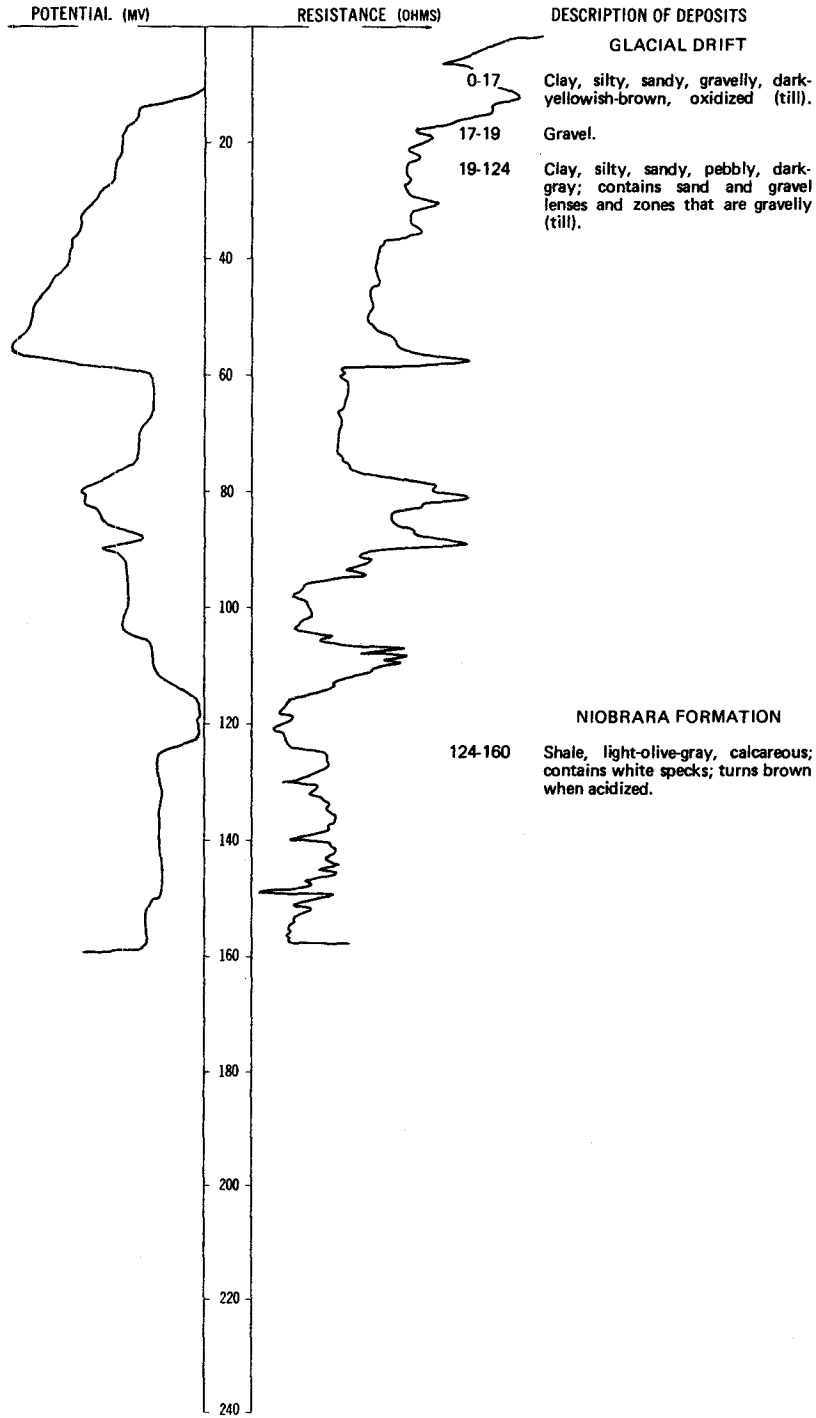
Altitude:	1296 feet	Date drilled:	3/10/67
	Loam, sandy-----	2	2
	Sand, fine, well-graded, iron-stained-----	6	8
	Sand, fine, clean, well-graded-----	12	20

LOCATION: 131-058-05AAA1

DATE DRILLED: 10/21/75

ALTITUDE: 1316  
(FT, NGVD)

DEPTH: 160  
(FT)



131-058-05AAA2  
(Log from Green Circle Supply Co.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 8/24/76	
		THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, yellow, soft-----	10	11
	Gravel, coarse; with oxidized clay lens-----	6	17
	Gravel, medium, gray; clay lenses-----	17	34
	Clay, gravelly-----	26	60

131-058-05DAC  
(Log from Green Circle Supply Co.)

		Date drilled: 8/24/76	
	Sand, fine, blown-----	1	1
	Soil, brown, heavy-----	4	5
	Clay, yellow-----	10	15
	Till, clay, gray-----	85	100
	Shale, soft-----	10	110

131-058-11AAA  
USBR W-28

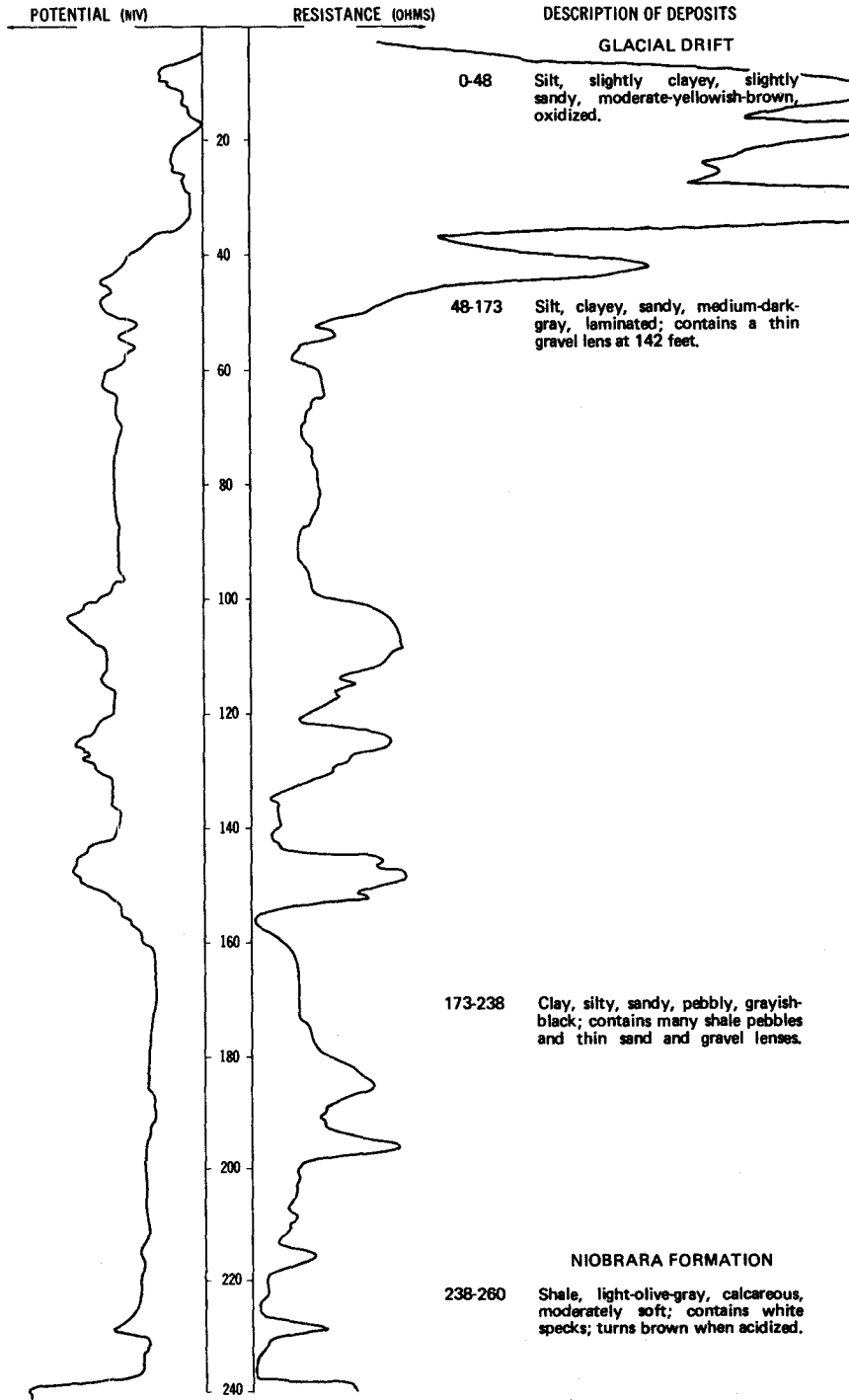
Altitude: 1310 feet		Date drilled: 11/16/66	
	Loam, sandy-----	2	2
	Sand, fine-----	7	9
	Sand, loamy-----	11	20

LOCATION: 131-058-11DDD

DATE DRILLED: 11/20/74

ALTITUDE: 1389  
(FT, NGVD)

DEPTH: 260  
(FT)



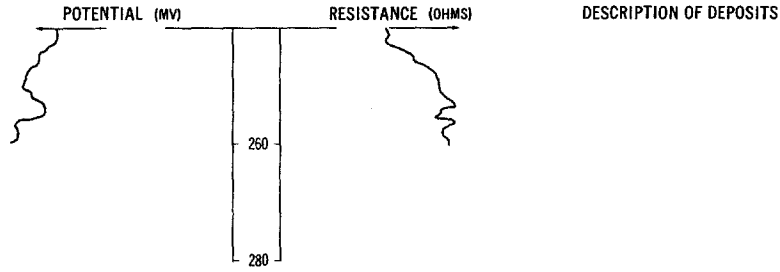
NDSWC 9228, Continued

LOCATION: 131-058-11DDD

DATE DRILLED: 11/20/74

ALTITUDE: 1389  
(FT, NGVD)

DEPTH: 260  
(FT)



131-058-15AAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/21/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, yellow-----	18	20
	Silt-----	15	35
	Sand; with clay layers-----	20	55
	Clay, silty-----	55	110
	Till, gray-----	90	200

131-058-15CCA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/22/74

	Topsoil-----	2	2
	Till, yellow-----	18	20
	Sand, fine, and clay-----	45	65
	Till, gray-----	15	80

131-058-15CCC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1320 feet

Date drilled: 10/22/74

	Topsoil-----	2	2
	Till, yellow-----	13	15
	Sand, fine, and clay-----	35	50
	Clay-----	35	85
	Till, gray-----	105	190
	Chalk-----	10	200

131-058-19BAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 4/01/73	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Clay, yellow.....	10	12
	Sand.....	39	51
	Till, gray.....	39	90
	Till; with sand layers.....	20	110
	Till, gray.....	44	154
	Sand and gravel.....	17	171
	Shale.....	9	180

131-058-20AAB  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/13/76	
	Topsoil.....	3	3
	Clay, yellow.....	13	16
	Sand.....	54	70
	Clay, blue.....	10	80

131-058-20ABD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/12/76	
	Topsoil.....	2	2
	Clay, yellow.....	19	21
	Sand.....	38	59
	Clay, blue.....	11	70

**131-058-20ADC**  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/13/76	
<b>GEOLOGIC SOURCE</b>	<b>MATERIAL</b>	<b>THICKNESS (FEET)</b>	<b>DEPTH (FEET)</b>
	Topsoil-----	2	2
	Clay, yellow-----	16	18
	Clay, blue-----	4	22
	Sand-----	32	54
	Clay, blue-----	6	60

**131-058-20BBC**  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/12/76	
	Topsoil-----	2	2
	Clay, yellow-----	20	22
	Clay, blue-----	10	32
	Sand-----	2	34
	Clay, blue-----	3	37
	Sand-----	8	45
	Clay, blue-----	15	60

**131-058-20BBD**  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/12/76	
	Topsoil-----	2	2
	Clay, yellow-----	13	15
	Clay, blue-----	7	22
	Sand-----	23	45
	Clay, blue-----	75	120

**131-058-20BDC**  
(Log from Empire Irrigation & Drilling Co., Inc.)

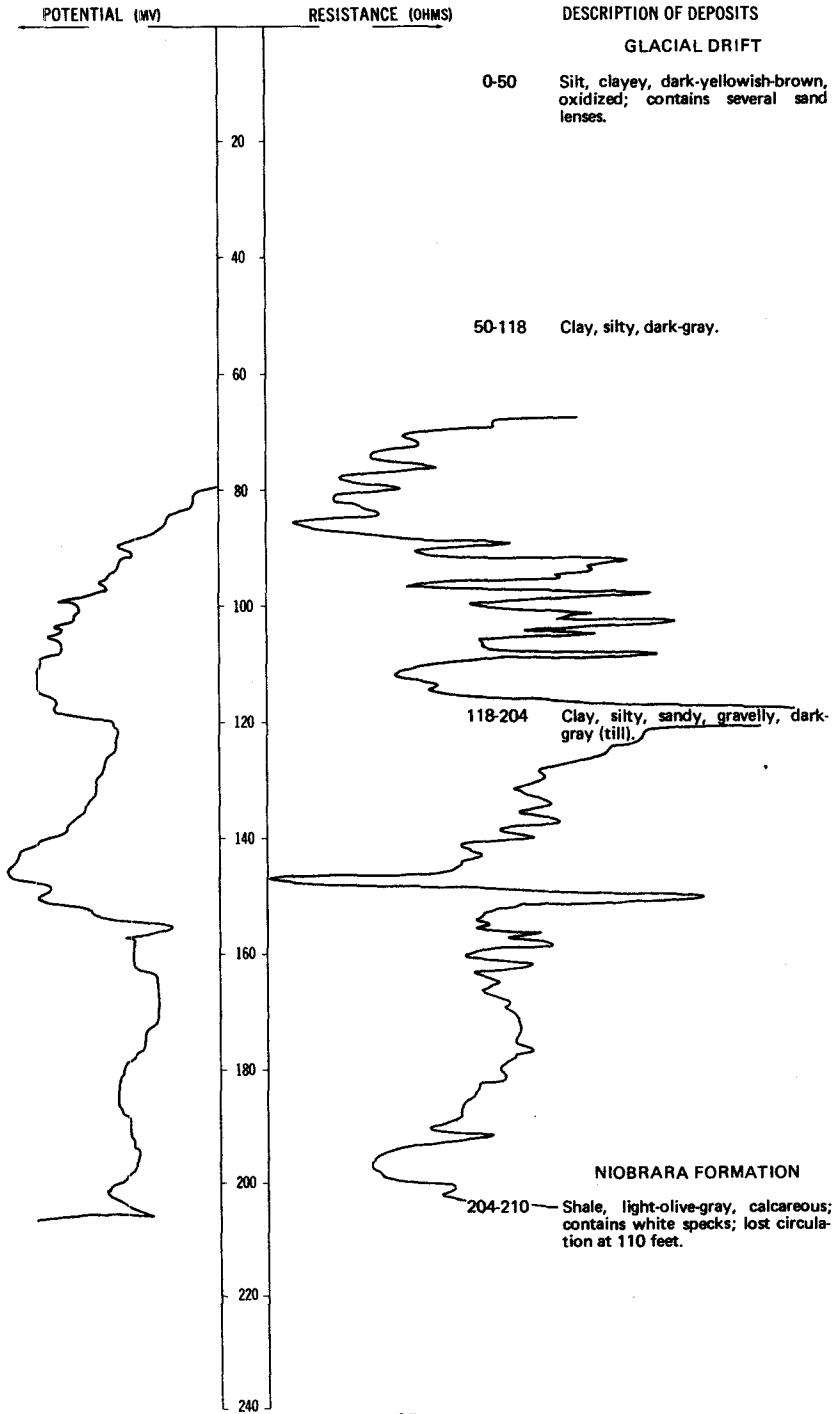
		Date drilled: 10/12/76	
	Topsoil-----	2	2
	Clay, yellow-----	16	18
	Sand-----	30	48
	Clay, blue-----	12	60

LOCATION: 131-058-24BBA

DATE DRILLED: 10/21/75

ALTITUDE: 1354  
(FT, NGVD)

DEPTH: 210  
(FT)



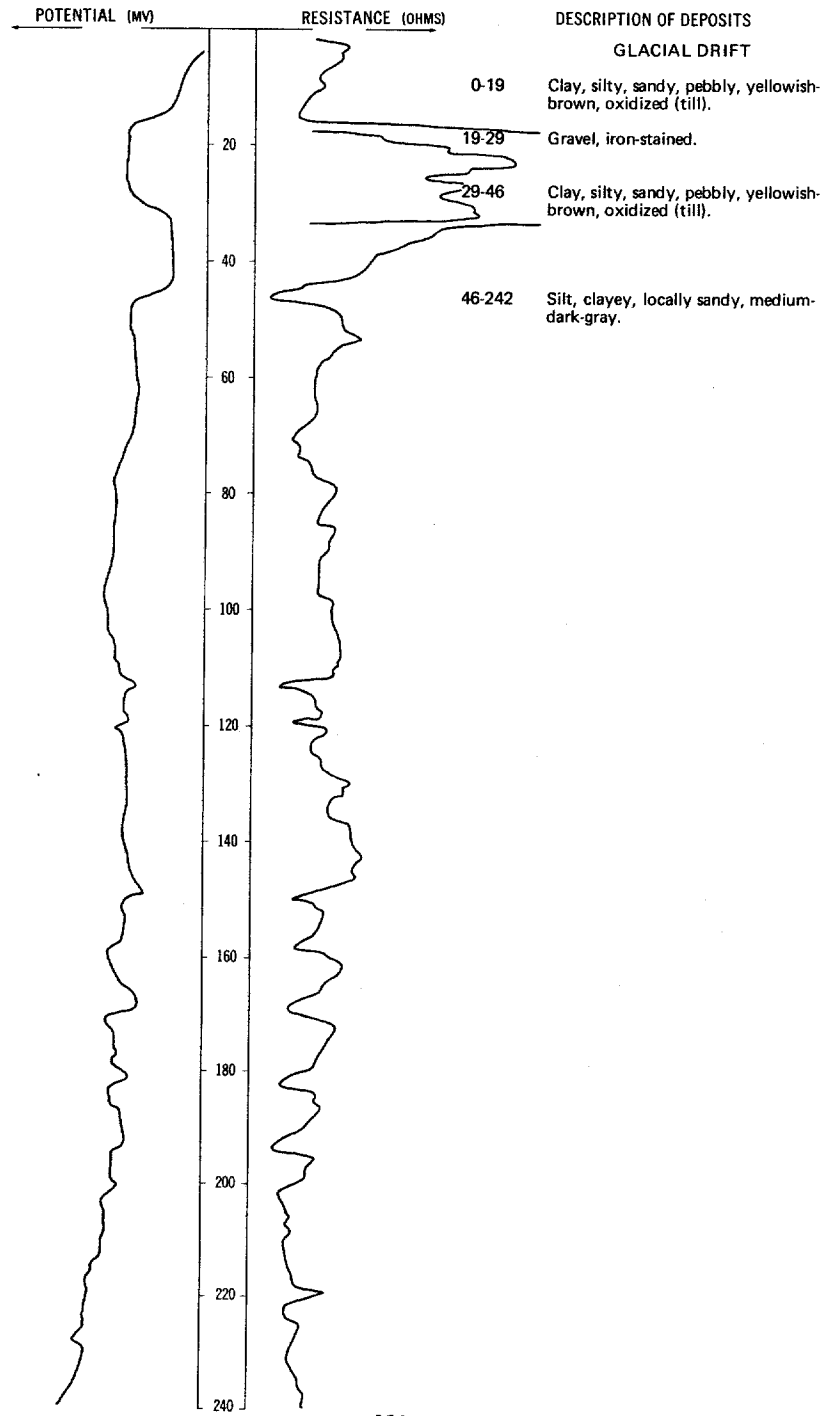


LOCATION: 131-058-24DDD

DATE DRILLED: 8/25/77

ALTITUDE: 1368  
(FT, NGVD)

DEPTH: 300  
(FT)

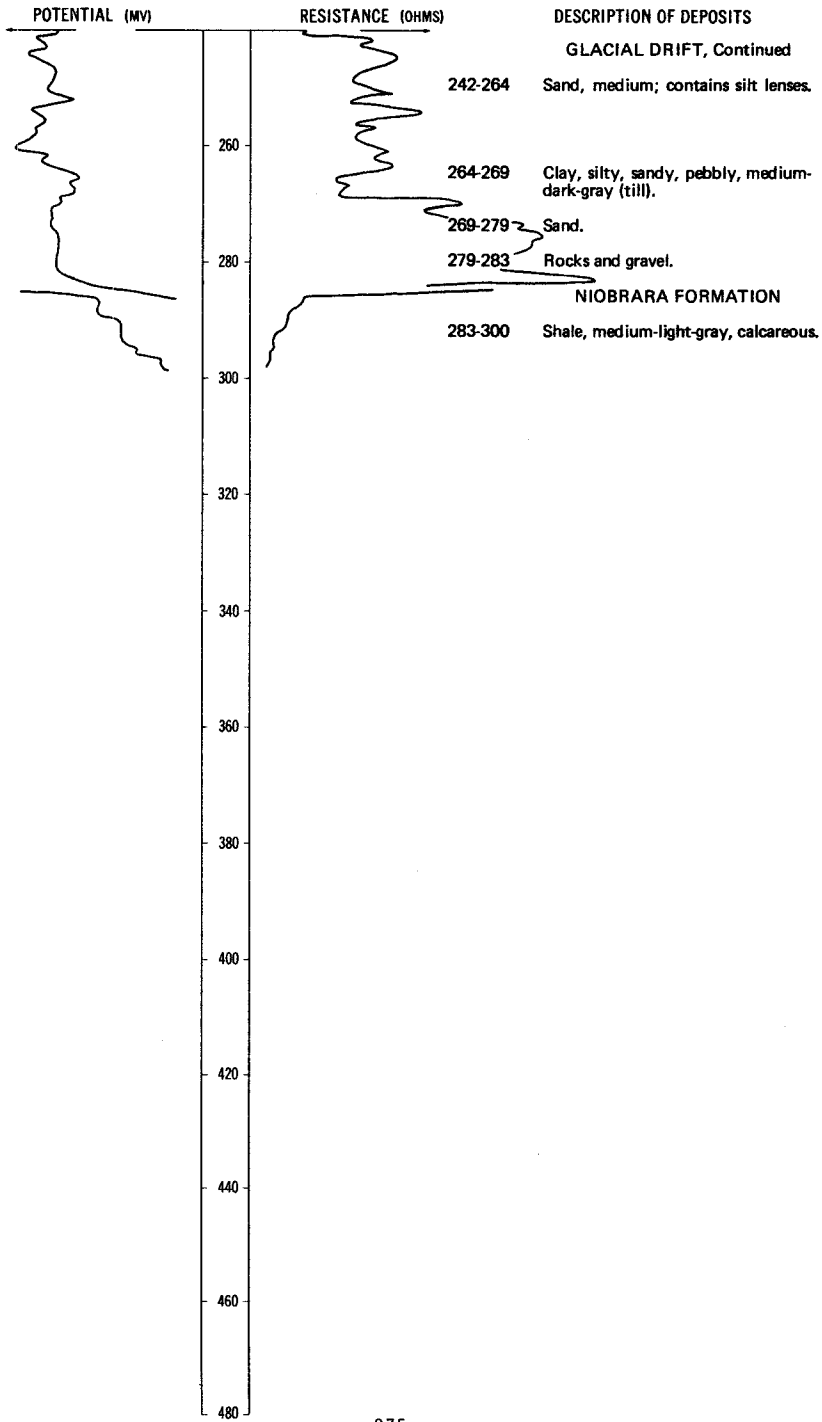


LOCATION: 131-058-24DDD

DATE DRILLED: 8/25/77

ALTITUDE: 1368  
(FT, NGVD)

DEPTH: 300  
(FT)

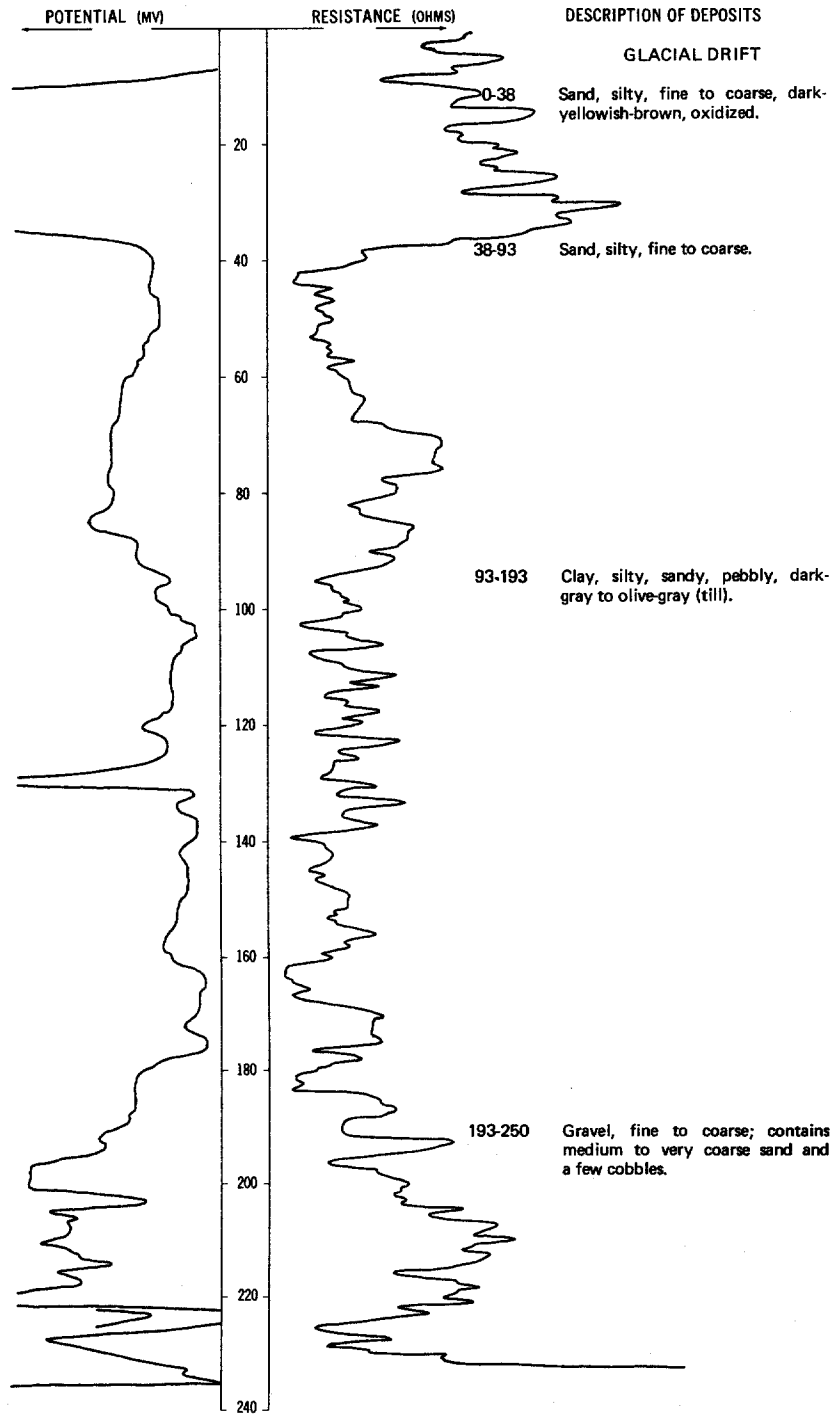


LOCATION: 131-058-27AAB

DATE DRILLED: 10/21/75

ALTITUDE: 1337  
(FT, NGVD)

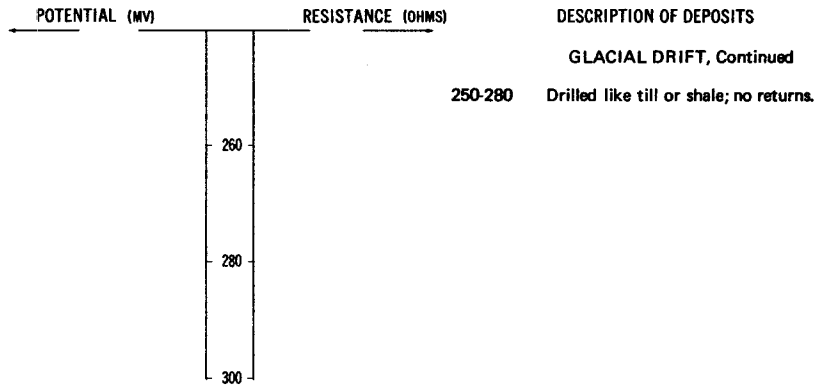
DEPTH: 280  
(FT)



NDSWC 4866, Continued

LOCATION: 131-058-27AAB  
 ALTITUDE: 1337  
 (FT, NGVD)

DATE DRILLED: 10/21/75  
 DEPTH: 280  
 (FT)



131-058-31CCC1  
 USBR Oakes-68

Altitude: 1310 feet

Date drilled: 6/16/53

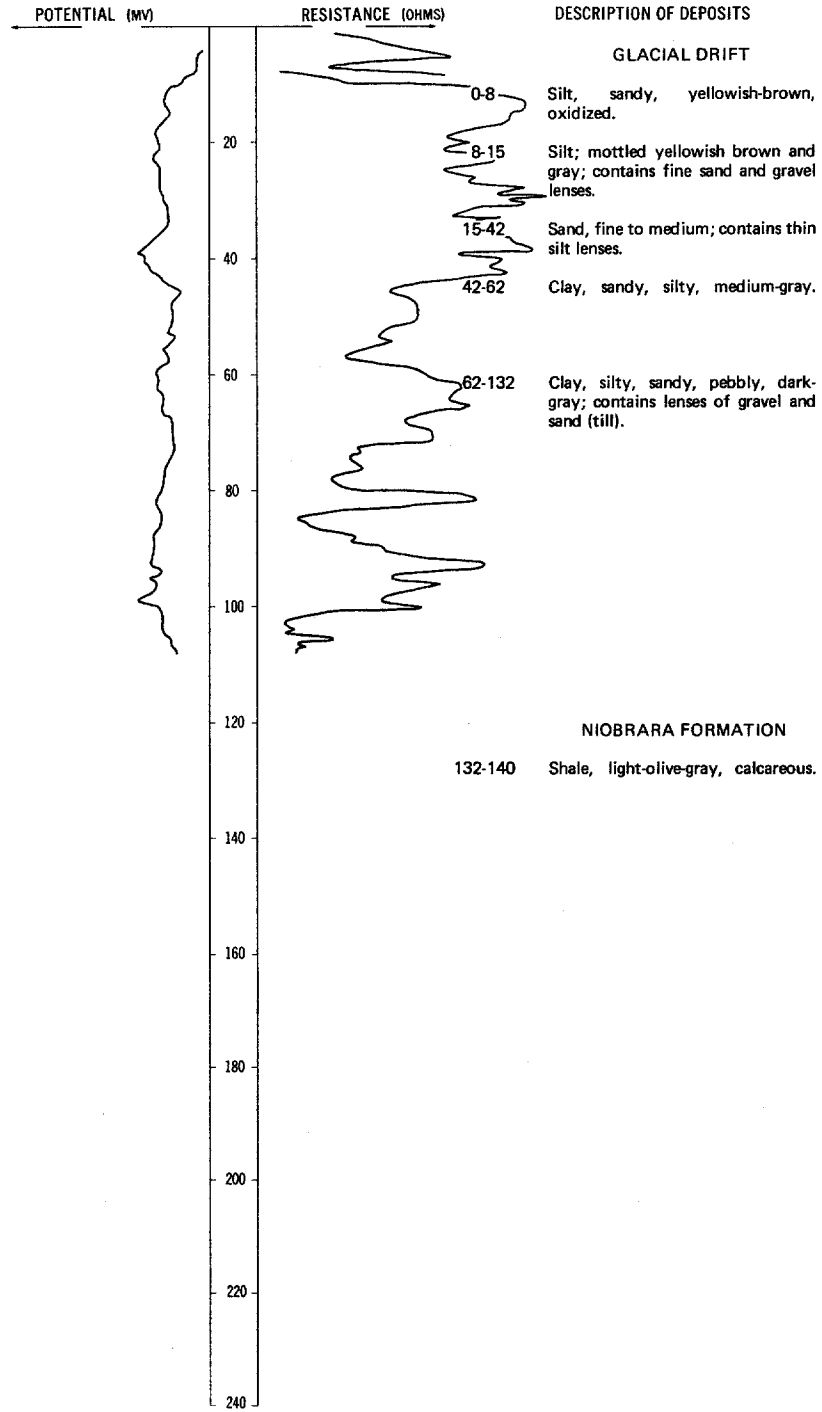
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil	1	1
	Clay, buff, fat, plastic, impervious	9	10
	Sand, gray, fine to medium; trace of clay; poorly graded; pervious	11.5	21.5
	Sand, gray, fine, clean, uniform, pervious	13.5	35
	Sand, gray, fine, silty, very uniform, semipervious	12	47
	Silt, gray, laminated, semipervious	8	55
	Clay (till), gray, silty, sandy; gravel throughout; occasional cobbles or boulders; impervious	28	83
	Clay (till), gray, very hard, partially cemented, impervious	7.6	90.6
	Sand, gray, silty, compact, semipervious	2	92.6
	Sand, gray, medium, compact; with occasional cobble or boulder till zones	132.4	225
	Sand, gray, silty, compact, semipervious	13	238

LOCATION: 131-058-31CCC2

DATE DRILLED: 8/30/77

ALTITUDE: 1305  
(FT, NGVD)

DEPTH: 140  
(FT)



131-058-31DBC  
(Log from Falk Bros. Well Drilling)

Date drilled: 11/20/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay.....	25	25
	Sand.....	35	60

131-058-32BBD  
(Log from Falk Bros. Well Drilling)

Date drilled: 8/13/73

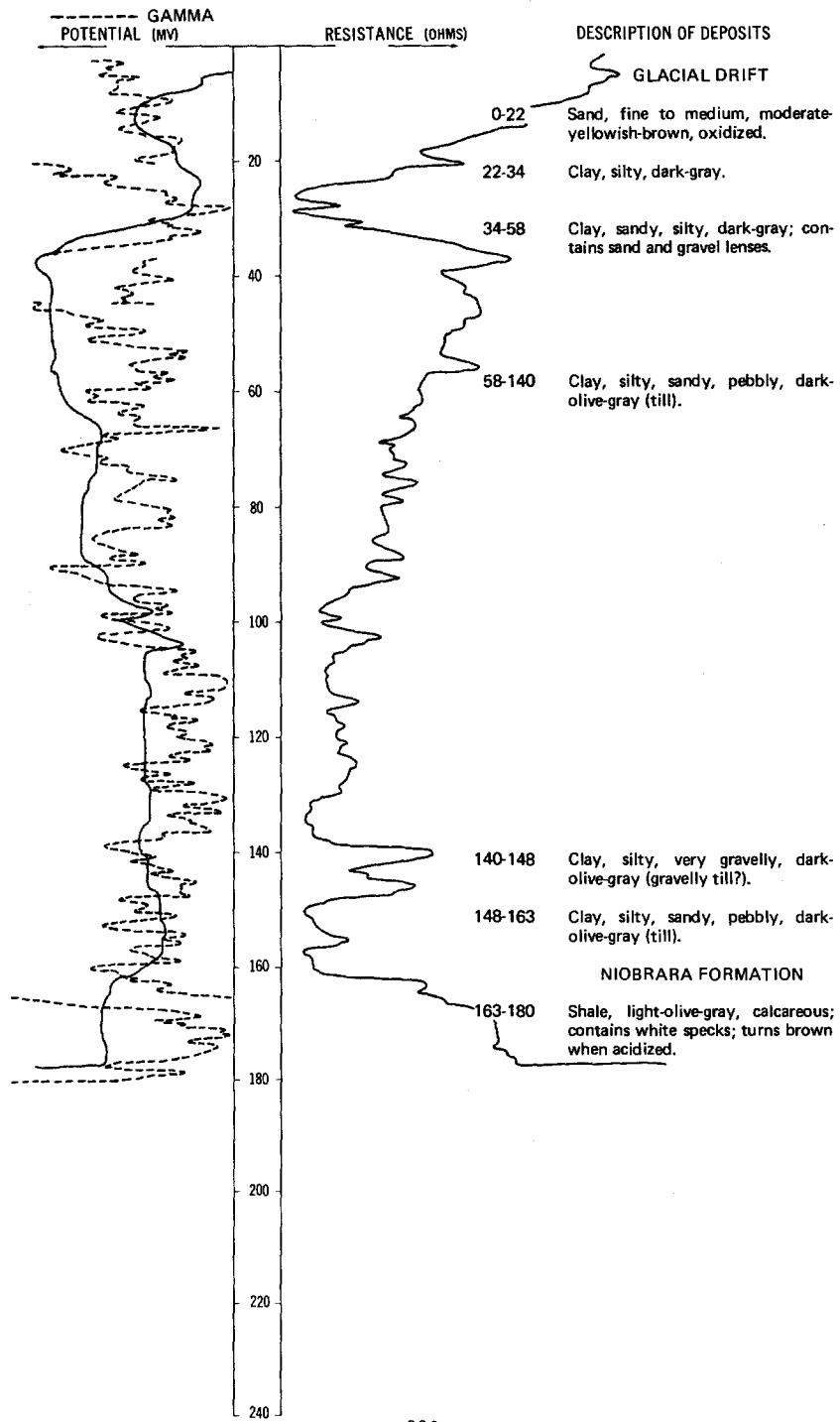
	Clay, yellow.....	17	17
	Shale.....	122	139
	Sand.....	14	153
	Sand and shale.....	7	160

LOCATION: 131-058-33CCB

DATE DRILLED: 10/20/75

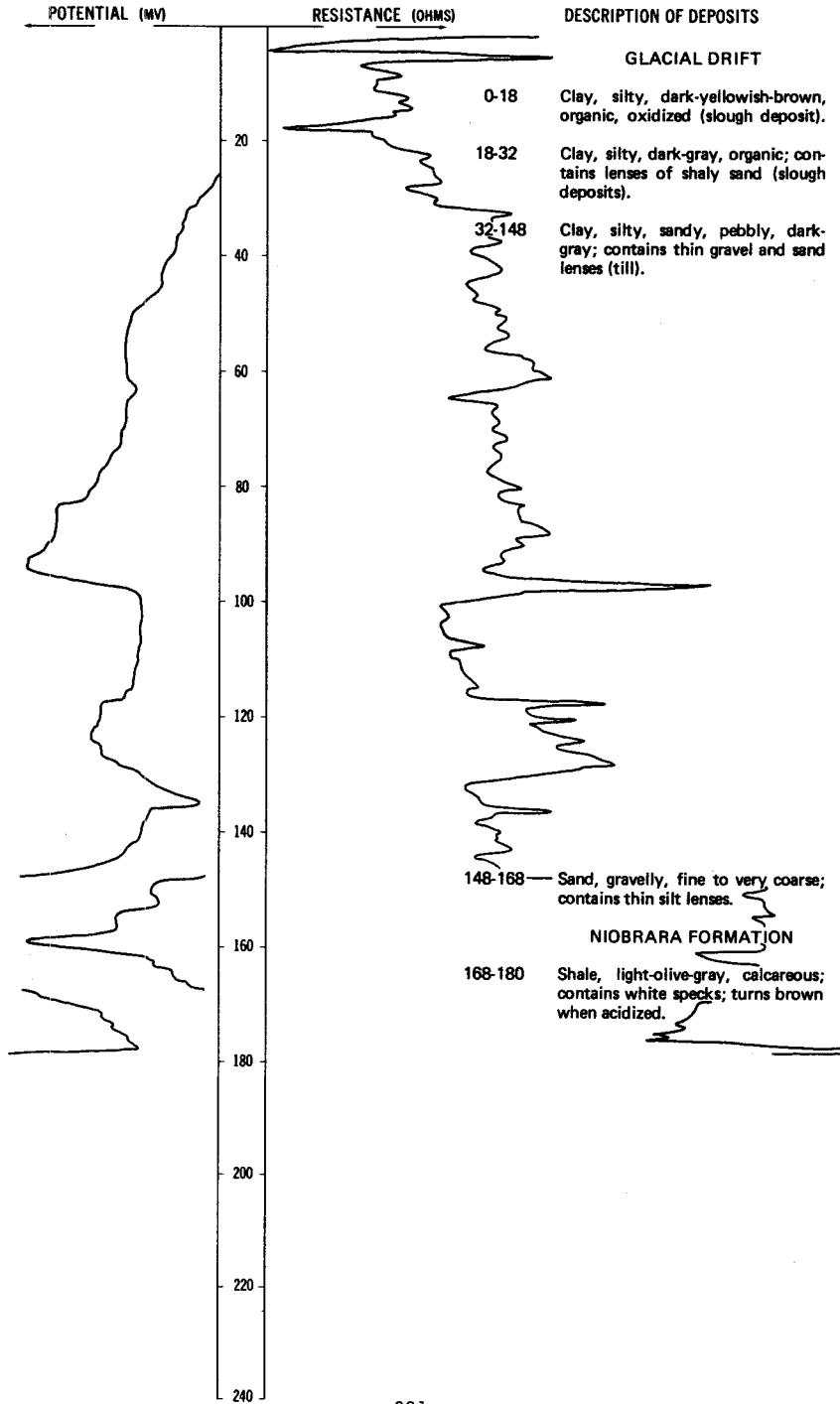
ALTITUDE: 1325  
(FT, NGVD)

DEPTH: 180  
(FT)



LOCATION: 131-058-348BB  
 ALTITUDE: 1307  
 (FT, NGVD)

DATE DRILLED: 10/21/75  
 DEPTH: 180  
 (FT)





132-053-01AAA  
NDSWC 2199

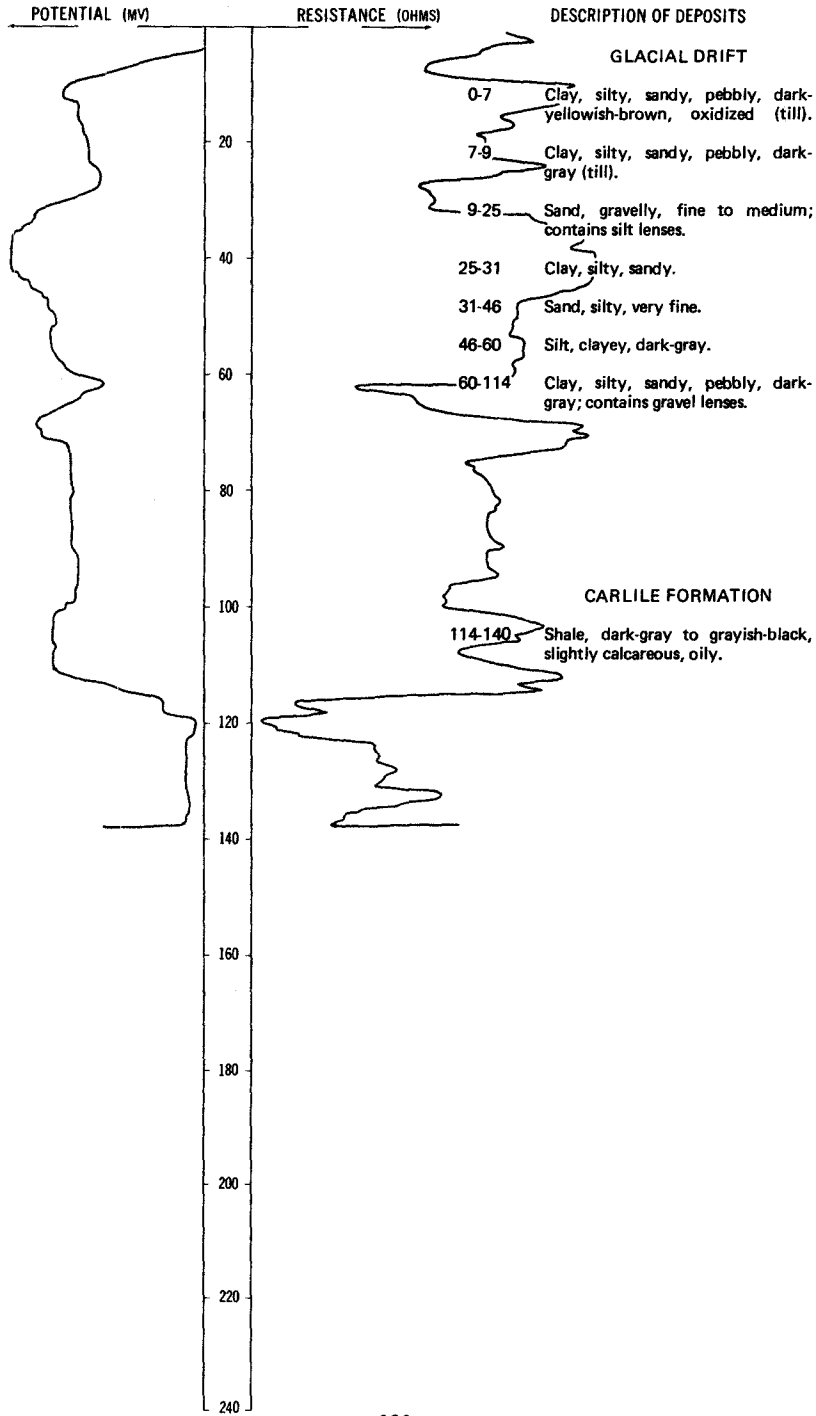
Altitude: 1064 feet

Date drilled: 10/02/63

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Clay, silty to sandy, yellowish-gray to moderate-olive-brown, calcareous, oxidized-----	10	10
	Sand, fine and medium, well-sorted, rounded, slightly calcareous, lignitic-----	10	20
	Sand, medium, rounded; with some coarse sand-----	25	45
	Clay, silty, sandy, pebbly, olive-gray, slightly calcareous (till)-----	29	74
	Clay, sandy, olive-gray, slightly calcareous-----	28	102
	Silt, olive-gray-----	11	113
	Clay, silty, sandy, pebbly, olive-gray, slightly calcareous; contains some cobbles-----	41	154
	Silt, olive-gray, and clayey very fine sand-----	32	186
	Clay, silty, sandy, pebbly, olive-gray; contains a few rocks (till)-----	90	276
	Gravel, medium, moderately well sorted, subrounded to rounded-----	5	281
	Clay-----	3	284
	Gravel, medium, moderately well sorted, subrounded to rounded-----	28	312
	Sand, clayey, fine, dark-greenish-gray, calcareous-----	10	322
Belle Fourche Shale(?):			
	Shale, olive-black-----	24	346

LOCATION: 132-053-05CCD  
ALTITUDE: 1074  
(FT, NGVD)

DATE DRILLED: 10/13/75  
DEPTH: 140  
(FT)

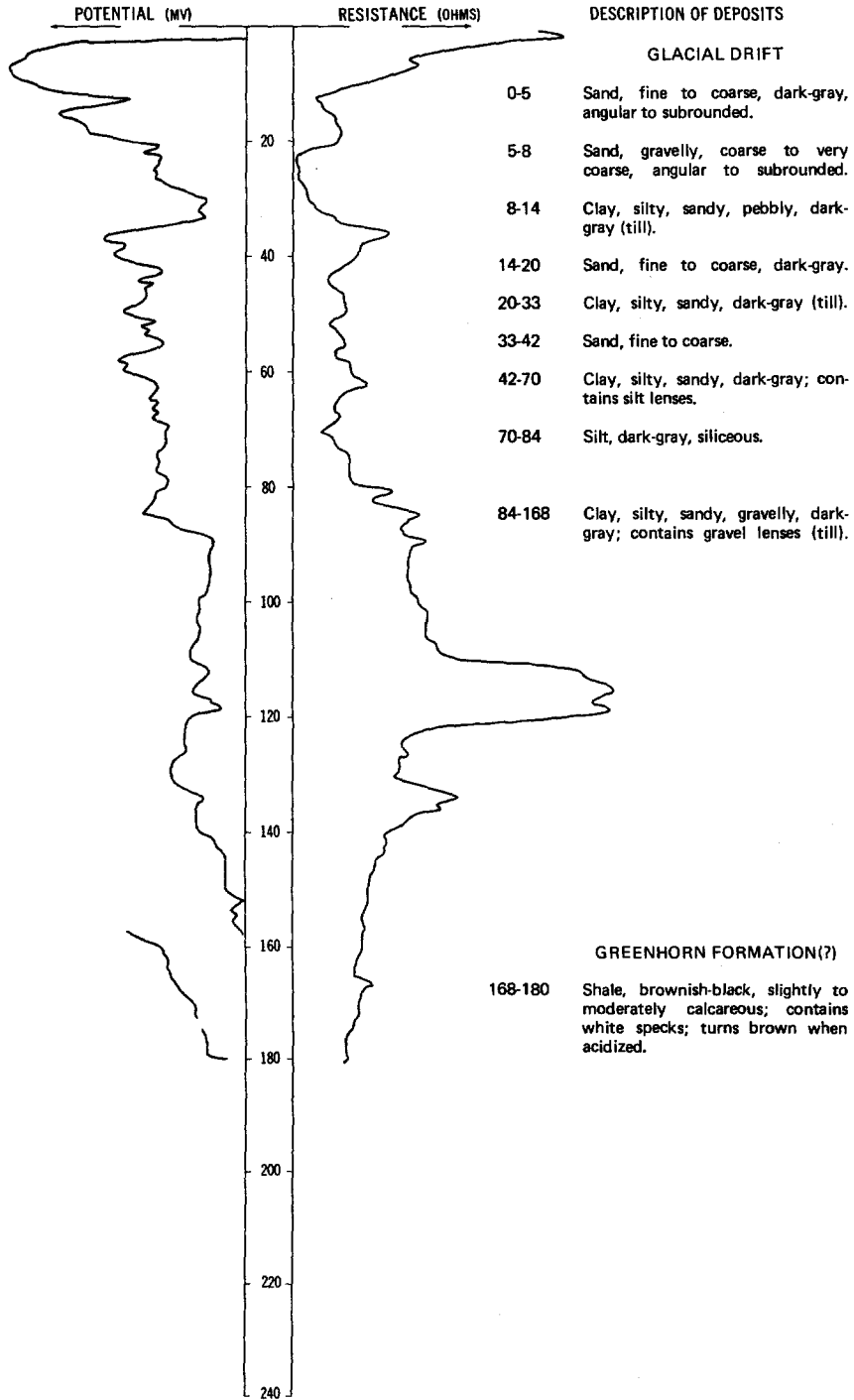


LOCATION: 132-053-09AAD

DATE DRILLED: 12/11/74

ALTITUDE: 1062  
(FT, NGVD)

DEPTH: 180  
(FT)



132-053-15CBA  
(Log from Falk Bros. Well Drilling)

		Date drilled: 4/28/73	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow	16	16
	Shale	25	41
	Sand, fine	27	68
	Shale	---	68

132-053-21DDD  
(Log from John M. Manikowski)

		Date drilled: 3/19/74	
	Topsoil, sandy, fine	3	3
	Clay, yellow, fine	13	16
	Sand, yellow, fine, light	10	26
	Clay, blue	8	34
	Sand, fine to medium, water	2	36

132-053-24AAD  
(Log from Wieber Well Drilling)

		Date drilled: 1/17/74	
	Dirt, black	1	1
	Clay, yellow	9	10
	Sand, gray, water	15	25
	Sand, fine, gray, water	5	30
	Sand, fine, gray; with shale stones	12	42

132-053-25AAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/29/74	
	Topsoil	2	2
	Clay, sandy	4	6
	Sand and gravel	24	30
	Sand, coarse	18	48
	Clay	2	50

132-053-25ABC1  
(Log from Wieber Well Drilling)

		Date drilled:	5/10/72
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, black-----	3	3
	Clay, yellow-----	16	19
	Clay, blue-----	10	29
	Sand and gravel-----	4	33
	Sand, gray, water-bearing-----	9	42

132-053-25ABC2  
(Log from Wieber Well Drilling)

		Date drilled:	4/10/73
	Soil-----	1	1
	Soil, silty, clayey-----	14	15
	Soil, silty-----	10	25
	Sand, very fine, dirty-----	10	35
	Sand, fine; blue clay; mixed-----	6	41

132-053-26BBB  
(Log from Falk Bros. Well Drilling)

		Date drilled:	11/20/74
	Clay, yellow-----	15	15
	Shale-----	15	30
	Quicksand-----	30	60

132-053-29BBB  
(Log from Empire Irrigation & Drilling Co., Inc.)

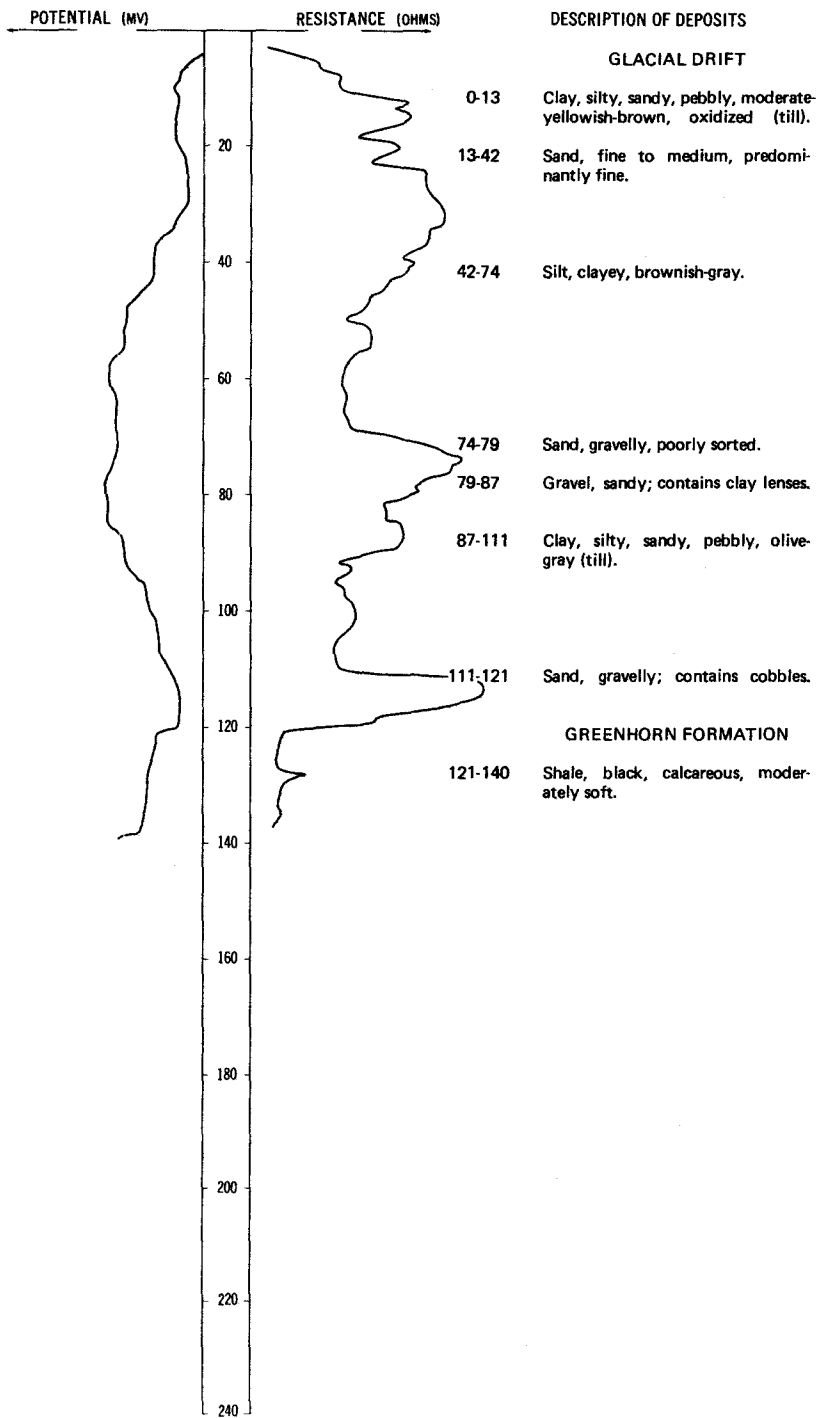
		Date drilled:	2/16/76
	Topsoil-----	2	2
	Clay, yellow-----	11	13
	Clay, gray-----	3	16
	Sand, very fine-----	19	35
	Clay-----	---	35

LOCATION: 132-053-29DDD

DATE DRILLED: 9/08/77

ALTITUDE: 1082  
(FT, NGVD)

DEPTH: 140  
(FT)



132-053-31ABC1  
(Log from K & K Drilling, Inc.)

Date drilled: 5/31/77

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, fine, yellow-----	5	6
	Clay, yellow-----	2	8
	Sand, fine, yellow-----	4	12
	Clay, yellow-----	2	14
	Sand, fine, white-----	3	17
	Clay, yellow-----	1	18
	Sand, fine, white-----	14	32
	Sand, medium to coarse, white-----	8	40
	Sand, fine, white-----	20	60

132-053-31ABC2  
(Log from K & K Drilling, Inc.)

Date drilled: 6/02/77

	Topsoil-----	1	1
	Sand, medium, yellow-----	7	8
	Clay, yellow-----	3	11
	Sand, medium, yellow-----	10	21
	Sand, medium to coarse, white-----	14	35
	Clay, blue-----	---	35

132-053-31ABD  
(Log from K & K Drilling, Inc.)

Date drilled: 6/02/77

	Topsoil-----	1	1
	Sand, fine, yellow-----	5	6
	Clay, yellow-----	2	8
	Sand, fine, yellow-----	4	12
	Clay, yellow-----	2	14
	Sand, fine, yellow-----	6	20
	Sand, medium to coarse, white-----	17	37
	Sand, fine, white-----	---	37

132-053-31DDB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/29/74

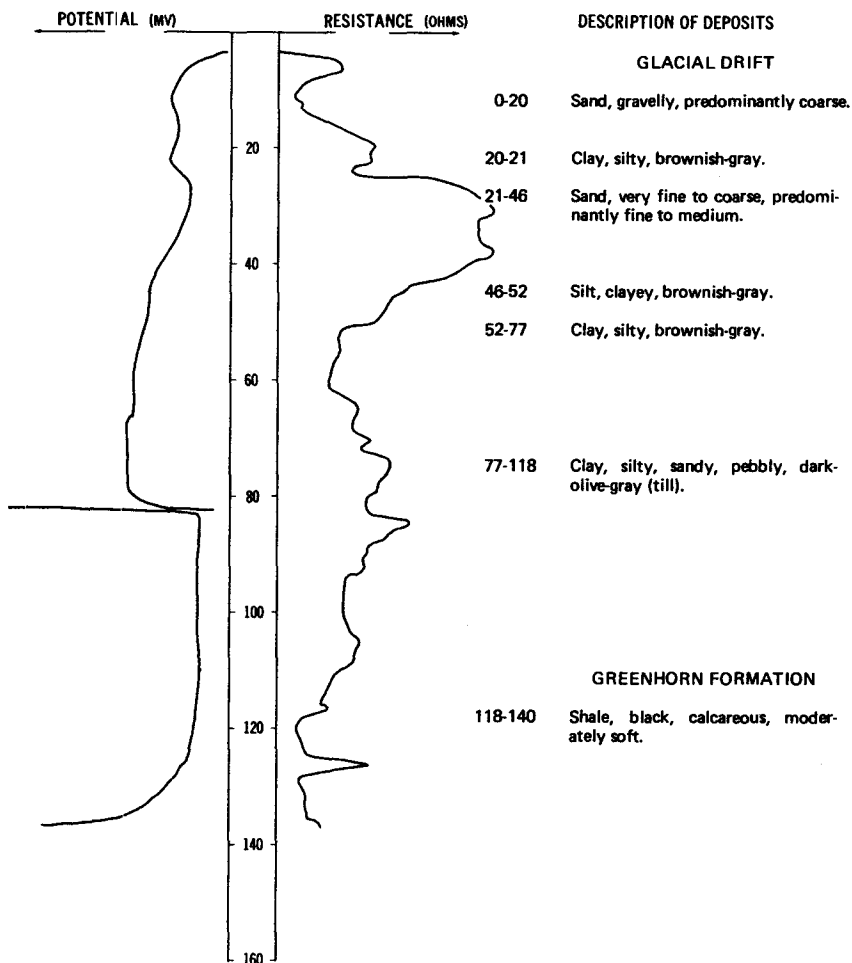
	Topsoil-----	2	2
	Sand and gravel-----	20	22
	Clay-----	11	33
	Sand, very fine-----	19	52
	Clay-----	3	55

LOCATION: 132-053-31DDD

DATE DRILLED: 9/08/77

ALTITUDE: 1093  
(FT, NGVD)

DEPTH: 140  
(FT)



132-053-32DAA  
(Log from Wieber Well Drilling)

Date drilled: 11/20/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, black	1	1
	Clay, pebbly, yellow	24	25
	Sand, gray, poor	5	30
	Sand, fine, dirty	5	35
	Sand, fairly coarse, water	10	45



132-053-33BAB  
(Log from John M. Manikowski)

Date drilled: 8/11/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	1	1
	Silt and sand, fine	18	19
	Clay, blue	10	29
	Sand, water-bearing	12	41

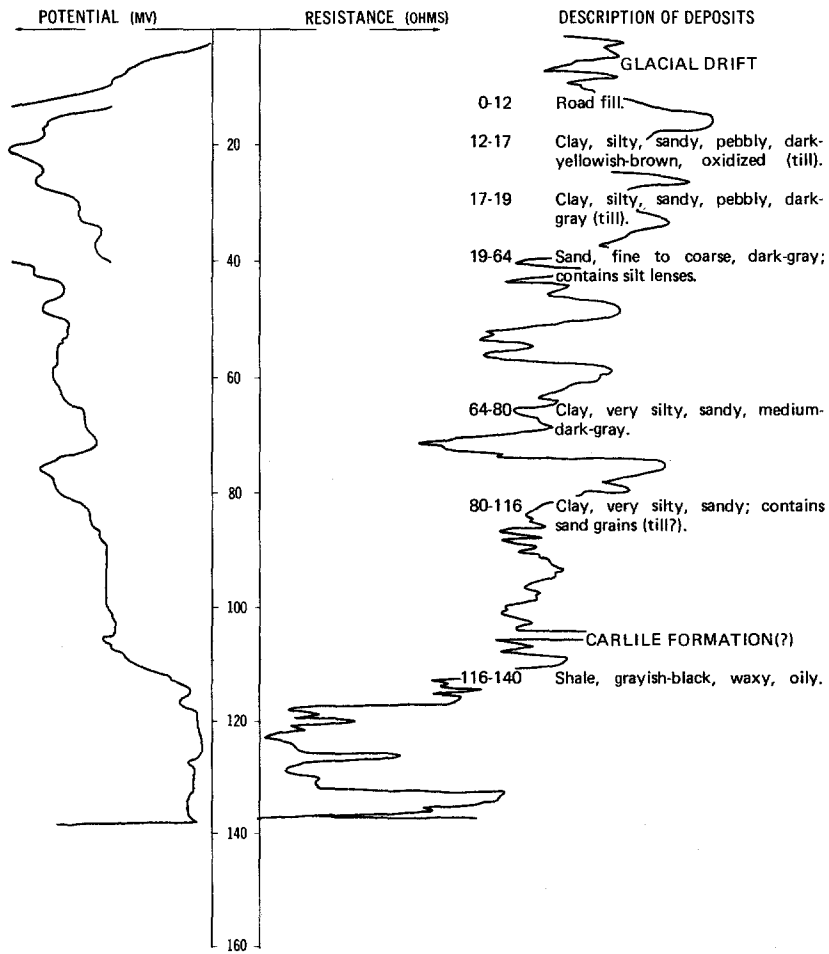
NDSWC 4844

LOCATION: 132-053-36BBC

DATE DRILLED: 10/10/75

ALTITUDE: 1055  
(FT, NGVD)

DEPTH: 140  
(FT)

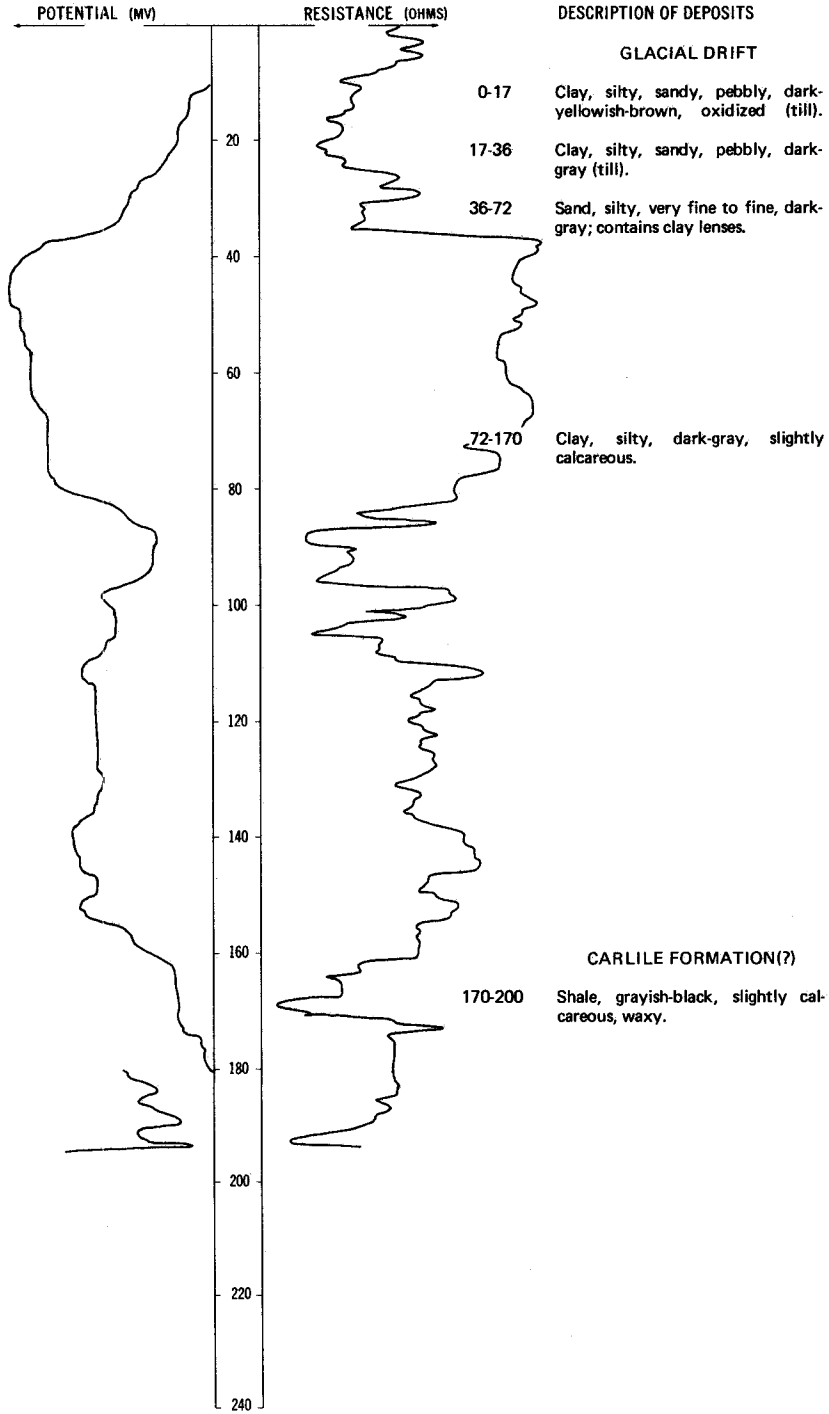


LOCATION: 132-054-01DDD

DATE DRILLED: 10/13/75

ALTITUDE: 1077  
(FT, NGVD)

DEPTH: 200  
(FT)



132-054-04CCC  
NDSWC 9259

Altitude:	1098 feet	Date drilled:	12/11/74
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam, silty, dusky-yellowish-brown-----	1	1
	Sand, fine to coarse, dark-gray, angular to rounded-----	12	13
	Clay, silty, sandy, pebbly, medium-dark-gray; contains thin gravel lenses-----	87	100
Carlile Formation(?):			
	Clay, grayish-black; contains brown organic spots-----	8	108
	Clay, brownish-black, slightly to moderately calcareous-----	12	120

132-054-06BAA  
(Log from Green Circle Supply Co.)

		Date drilled:	8/16/76
	Topsoil-----	2	2
	Sand, medium, oxidized-----	13	15
	Gravel, coarse, clean-----	13	28
	Clay, gravelly-----	22	50

132-054-06BAB1  
(Log from Green Circle Supply Co.)

		Date drilled:	8/06/76
	Topsoil-----	2	2
	Clay, brown-----	6	8
	Gravel, medium, oxidized-----	2	10
	Sand, fine to medium, gray, clean-----	5	15
	Gravel, fine to medium-----	20	35
	Sand, fine, gray-----	11	46

132-054-06BAB2  
(Log from Green Circle Supply Co.)

		Date drilled:	8/16/76
	Topsoil-----	1	1
	Sand, medium, brown-----	7	8
	Gravel, coarse, gray, clean-----	24	32

132-054-06BAC1  
(Log from Green Circle Supply Co.)

		Date drilled: 8/06/76	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, brown-----	10	12
	Gravel, coarse, gray-----	16	28
	Clay, gravelly-----	5	33
	Clay, gray, hard; some gravel lenses-----	17	50

132-054-06BAC2  
(Log from Green Circle Supply Co.)

		Date drilled: 8/16/76	
	Topsoil-----	2	2
	Clay, gravelly-----	14	16
	Gravel, coarse, dirty-----	9	25
	Clay, gravelly-----	10	35
	Clay, blue, hard; thin sand lens-----	20	55

132-054-06BBA  
(Log from Green Circle Supply Co.)

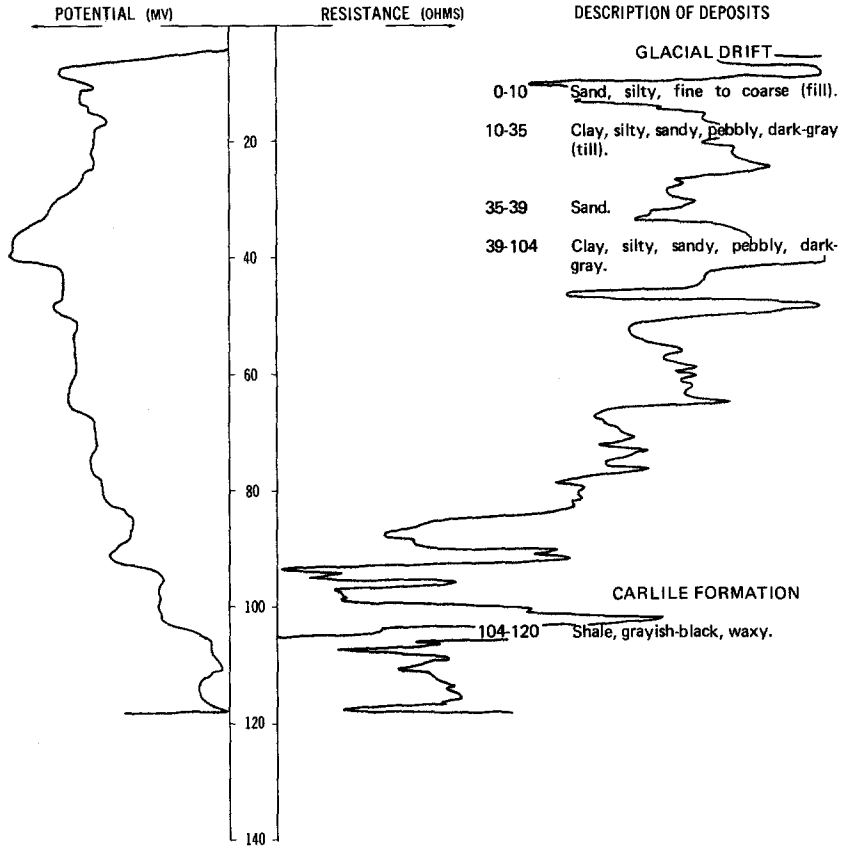
		Date drilled: 8/06/76	
	Topsoil-----	2	2
	Clay, brown-----	12	14
	Gravel, medium, gray, clean-----	14	28
	Gravel, coarse, clean-----	4	32

132-054-06BCA  
(Log from Green Circle Supply Co.)

		Date drilled: 8/06/76	
	Topsoil-----	2	2
	Clay, brown-----	10	12
	Clay, gravelly, gray-----	4	16
	Gravel, coarse, dirty-----	9	25
	Clay, gravelly-----	10	35
	Clay, gravelly; thin lens of fine sand-----	20	55

LOCATION: 132-054-10ABB  
 ALTITUDE: 1088  
 (FT, NGVD)

DATE DRILLED: 10/13/75  
 DEPTH: 120  
 (FT)



132-054-10C6C  
 NDSWC 9971

Altitude: 1093 feet

Date drilled: 9/12/77

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

Glacial drift:

Sand, silty, yellowish-brown, oxidized	10	10
Silt, gray	2	12
Sand, medium	2	14
Silt, gray	9	23
Sand, fine to medium	2	25
Sand, silty	9	34
Sand, medium	6	40
Sand, silty	41	81
Clay, silty, sandy, pebbly, dark-gray (till)	13	94

Carlile Formation(?):

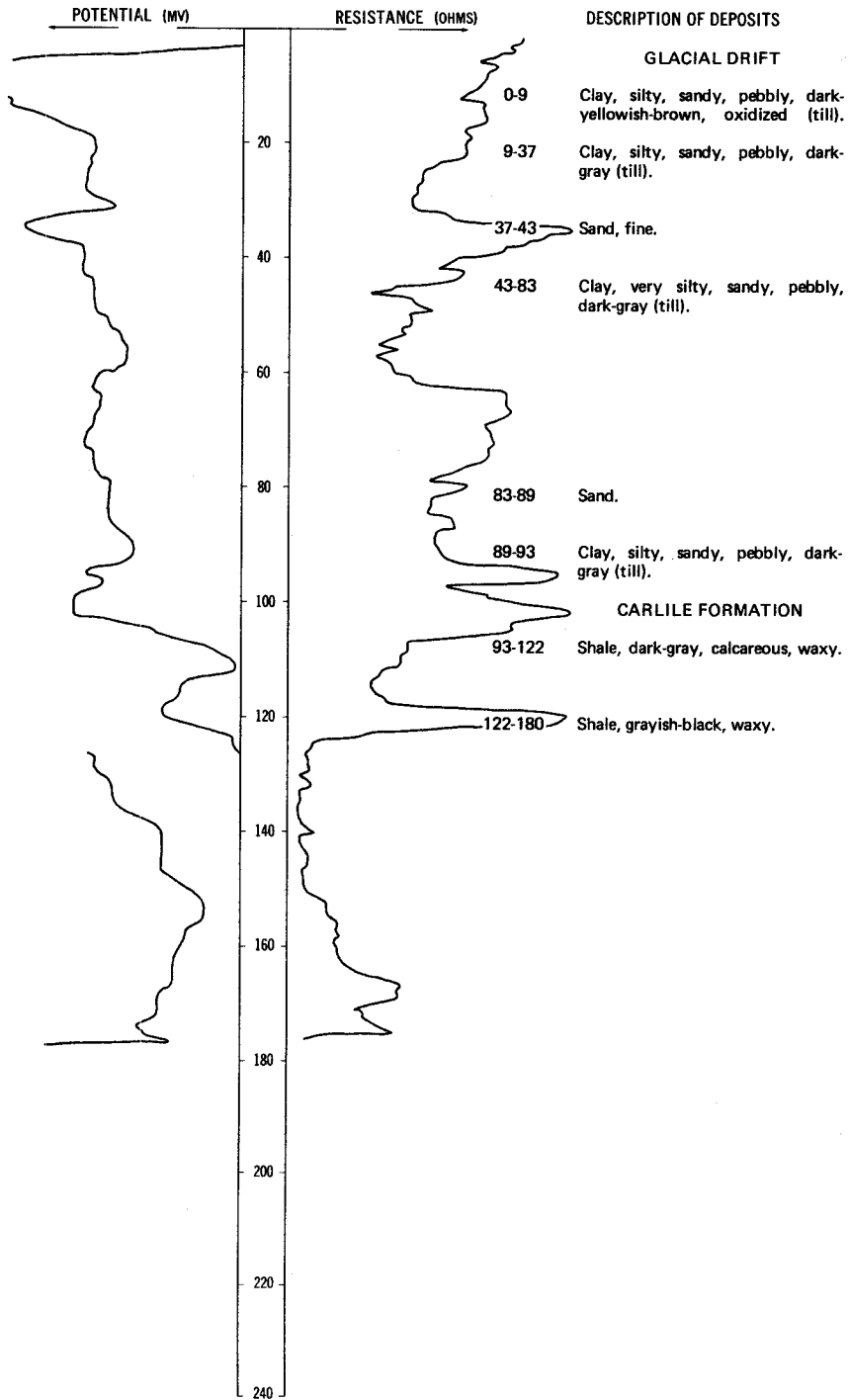
Shale, black, calcareous	26	120
--------------------------	----	-----

LOCATION: 132-054-11AAA

DATE DRILLED: 10/13/75

ALTITUDE: 1085  
(FT. NGVD)

DEPTH: 180  
(FT)



132-054-15BBB  
(Log from Gores Well Drilling)

Date drilled: 11/30/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand-----	100	100
	Shale-----	554	654
	Sandstone-----	80	734

LOCATION: 132-054-24DCC

DATE DRILLED: 9/08/77

ALTITUDE: 1087  
(FT, NGVD)

DEPTH: 220  
(FT)





132-054-25ACA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 2/18/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand and gravel-----	23	25
	Sand-----	3	28
	Sand and gravel; shale pebbles-----	24	52
	Clay-----	3	55

132-054-25ACC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 4/01/76

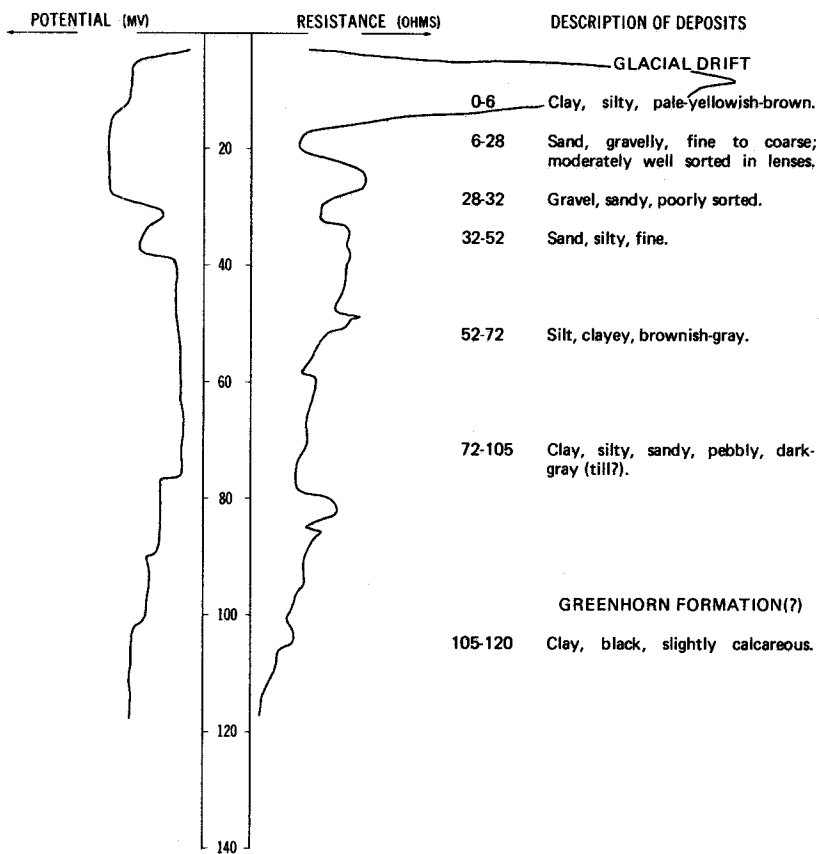
	Topsoil-----	2	2
	Sand and gravel-----	23	25
	Sand-----	3	28
	Sand and gravel; shale pebbles-----	24	52
	Clay-----	3	55

LOCATION: 132-054-25DDD

DATE DRILLED: 9/08/77

ALTITUDE: 1095  
(FT, NGVD)

DEPTH: 120  
(FT)



132-054-27BBD  
(Log from Wieber Well Drilling)

Date drilled: 8/17/73

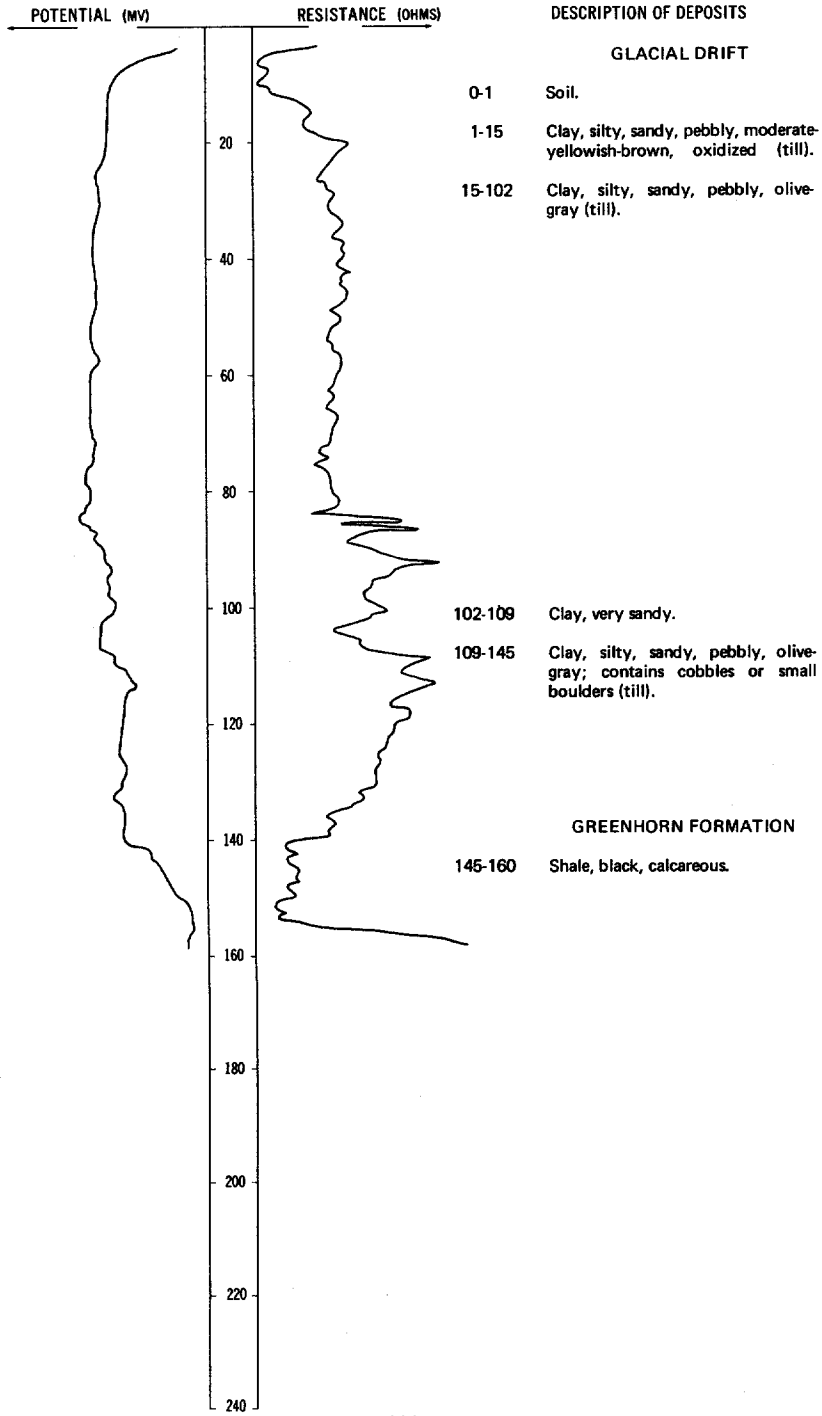
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, black	2	2
	Clay, yellow	13	15
	Sand, fine, dirty	15	30
	Clay, blue	50	80
	Sand, fine, gray	20	100
	Sand, water	15	115

LOCATION: 132-054-29AAA

DATE DRILLED: 9/09/77

ALTITUDE: 1153  
(FT, NGVD)

DEPTH: 160  
(FT)



132-054-29BCB  
(Log from Falk Bros. Well Drilling)

Date drilled: 11/14/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow.....	22	22
	Shale.....	41	63
	Sand, fine.....	9	72
	Shale.....	35	107
	Sand lens.....	6	113
	Shale.....	7	120

132-054-31BAB2  
(Log from Wieber Well Drilling)

Date drilled: 7/09/74

	Soil, black.....	2	2
	Clay, yellow.....	38	40
	Sand, fine, and silt.....	20	60
	Clay, blue.....	30	90
	Sand, fine, dirty.....	10	100
	Sand, fine, clean.....	18	118

132-054-32CDD  
(Log from Wieber Well Drilling)

Date drilled: 8/31/75

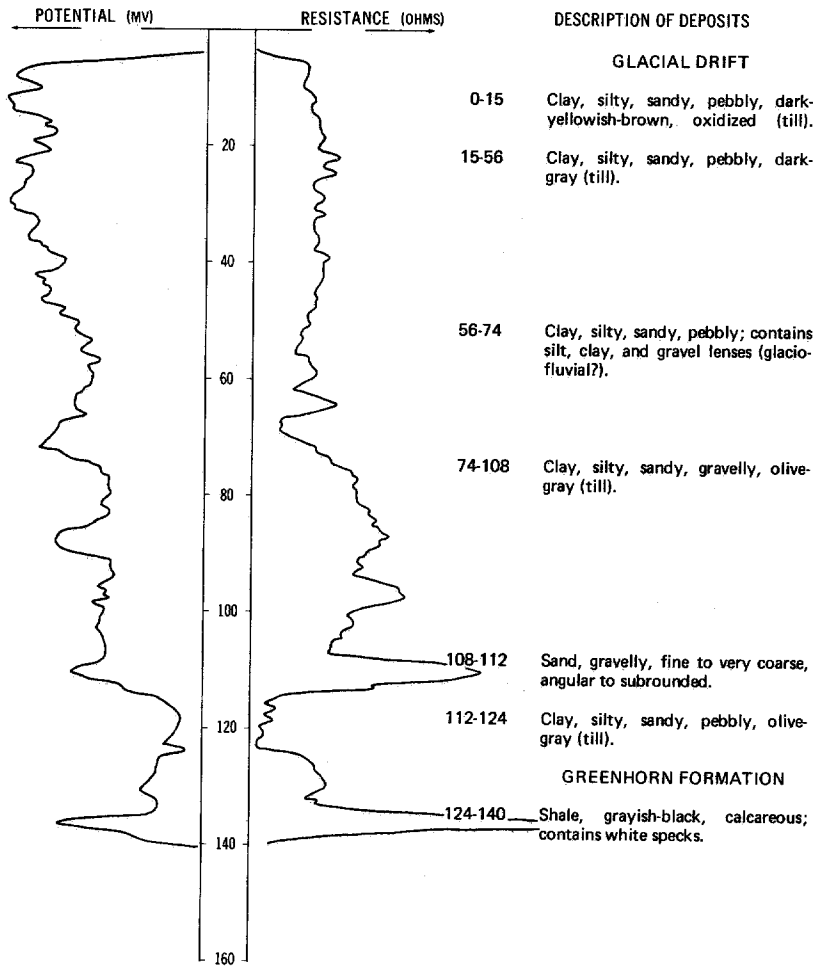
	Dirt, black.....	3	3
	Clay, yellow.....	27	30
	Clay, blue.....	50	80
	Sand, fine.....	10	90
	Sand, water.....	24	114

LOCATION: 132-055-02DDD

DATE DRILLED: 12/11/74

ALTITUDE: 1142  
(FT, NGVD)

DEPTH: 140  
(FT)



132-055-11DDD  
(Log from Falk Bros. Well Drilling)

Date drilled: 11/13/73

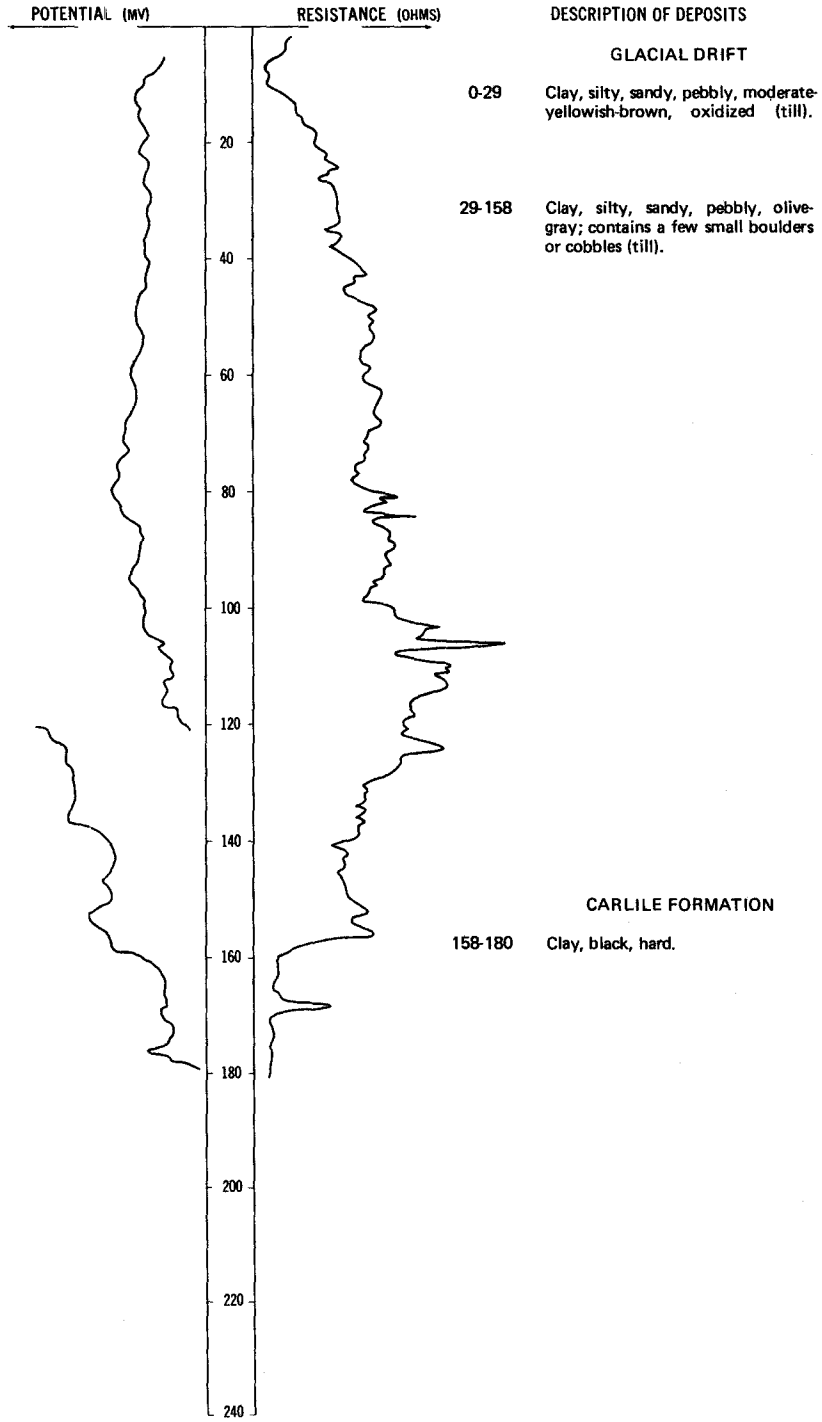
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow.....	24	24
	Shale.....	81	105
	Sand lens.....	15	120
	Shale.....	2	122
	Sand lens.....	6	128
	Shale.....	7	135

LOCATION: 132-055-21CCC

DATE DRILLED: 9/09/77

ALTITUDE: 1215  
(FT, NGVD)

DEPTH: 180  
(FT)



132-055-24DCC  
(Log from Falk Bros. Well Drilling)

Date drilled: 11/15/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow.....	24	24
	Shale.....	88	112
	Sand lens.....	18	130
	Shale.....	5	135

132-055-35AAA  
(Log from Gores Well Drilling)

Date drilled: 6/19/75

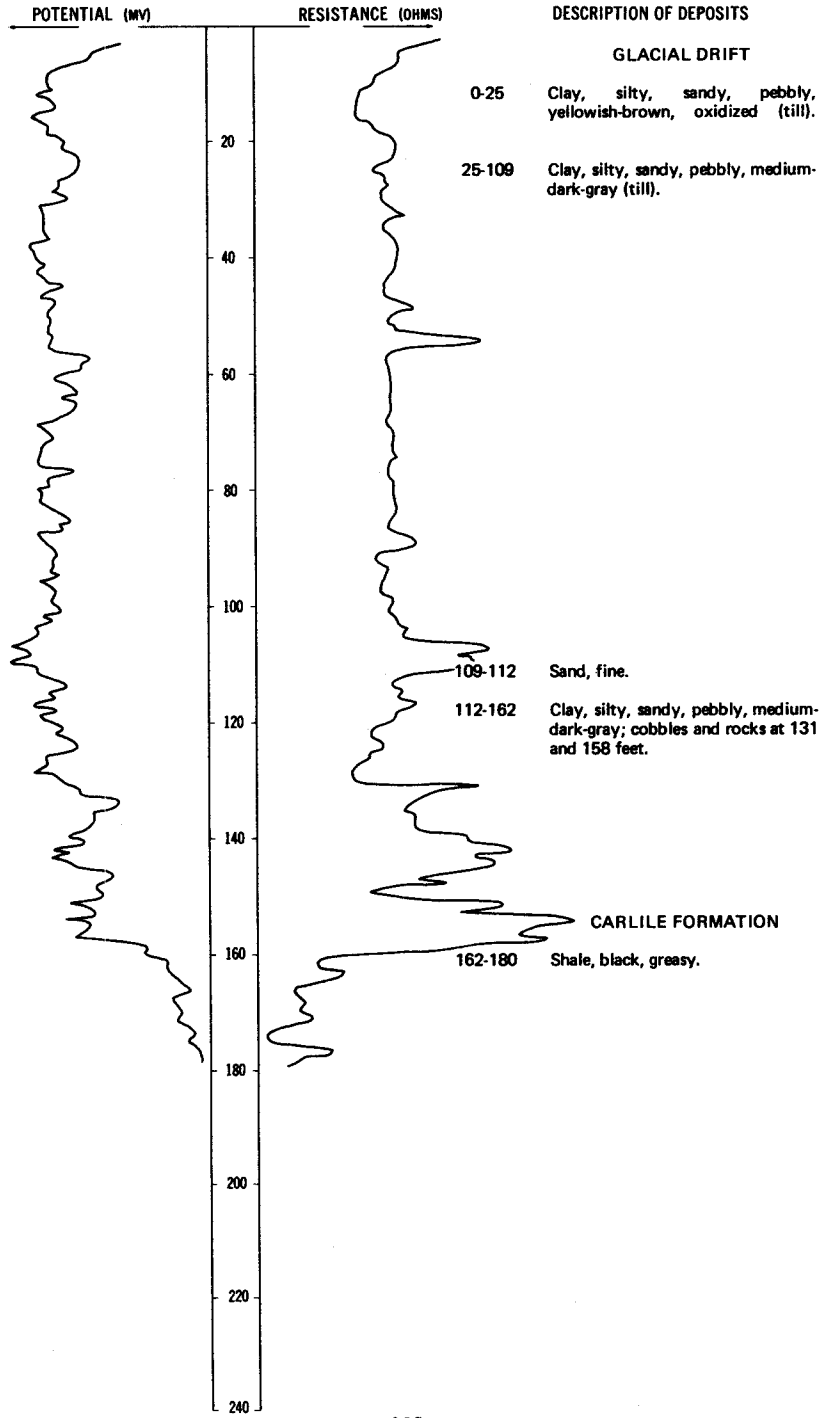
	Clay, yellow.....	40	40
	Clay, blue.....	90	130
	Sand.....	30	160

LOCATION: 132-056-02AAA

DATE DRILLED: 8/24/77

ALTITUDE: 1238  
(FT, NGVD)

DEPTH: 180  
(FT)





132-056-04BBA  
(Log from Frederickson's Inc.)

Date drilled: 5/21/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	1	1
	Clay.....	24	25
	Clay, sandy.....	37	62
	Clay, sandy, soft.....	13	75
	Sand.....	27	102

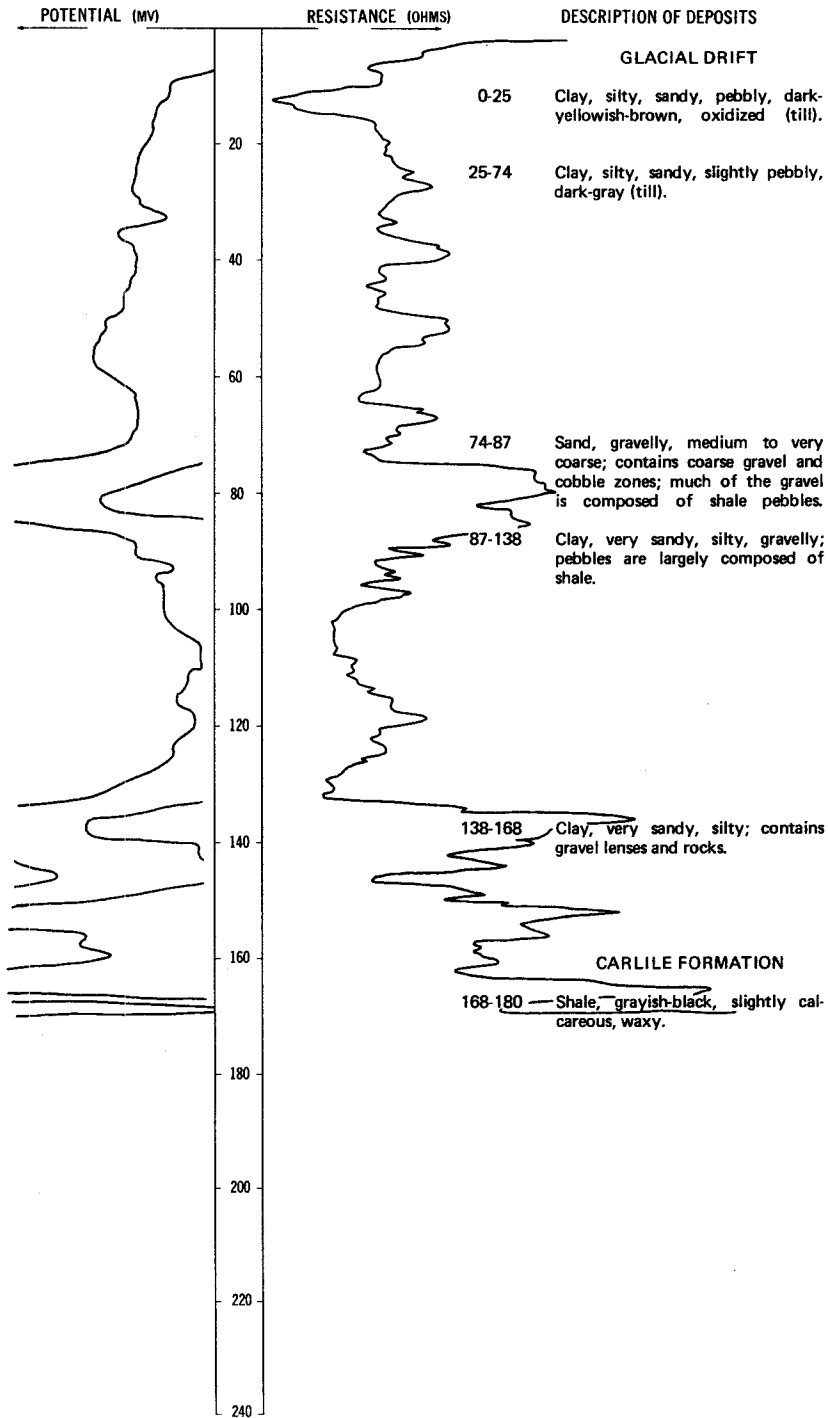
132-056-08CAC  
(Log from Independent Drilling Co.)

Date drilled: 5/17/74

Greenhorn Formation (top):			545
Dakota Sandstone (top):		126	884
			1,010

LOCATION: 132-056-14CDA1, 2  
 ALTITUDE: 1251  
 (FT, NGVD)

DATE DRILLED: 10/14/75  
 DEPTH: 180  
 (FT)



132-056-22DDD  
(Log from Frederickson's Inc.)

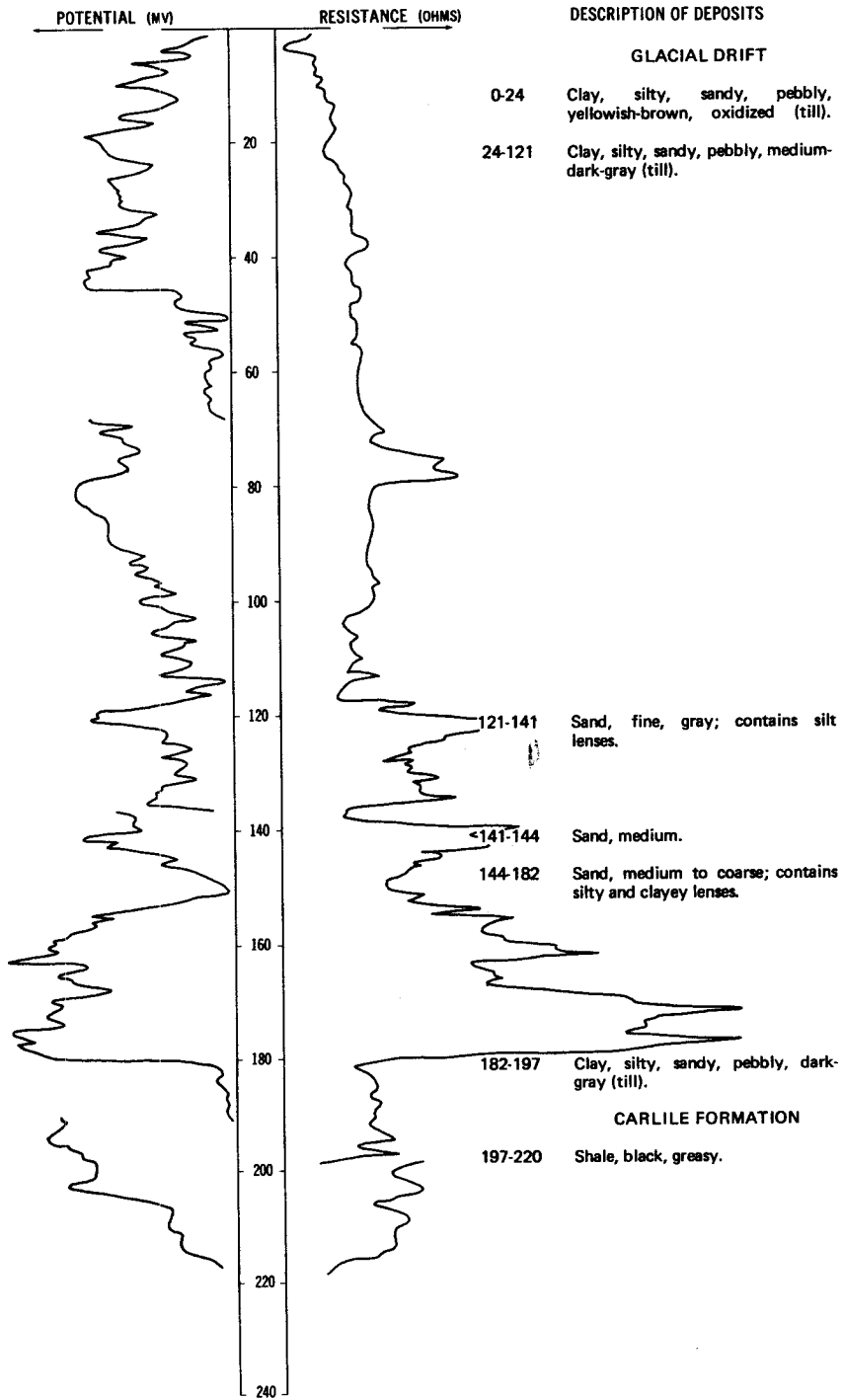
		Date drilled: 4/21/73	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	2	2
	Clay, brown-----	2	4
	Clay, sandy; with rock; brown-----	24	28
	Clay, sandy, blue-----	12	40
	Clay, soft, blue-----	34	74
	Rock-----	1	75
	Clay, sandy, blue-----	68	143
	Sand, dirty, colored-----	19	162
	Sand-----	10	172
	Clay, sandy, blue-----	2	174

132-056-25BBC  
(Log from Frederickson's Inc.)

		Date drilled: 11/23/69	
	Topsoil-----	2	2
	Clay, yellow-----	17	19
	Clay, sandy, blue-----	3	22
	Sand, brown-----	3	25
	Clay, sandy, soft-----	29	54
	Clay, sandy, hard-----	58	112
	Sand, blue-----	2	114
	Clay, sandy, hard-----	25	139
	Sand, dirty-----	25	164
	Gravel-----	20	184
	Clay, sandy-----	6	190

LOCATION: 132-056-26DAD  
ALTITUDE: 1265  
(FT, NGVD)

DATE DRILLED: 8/24/77  
DEPTH: 220  
(FT)



132-056-30DDD  
(Log from Wieber Well Drilling)

		Date drilled:	5/11/73
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil-----	2	2
	Clay, yellow; stones-----	38	40
	Gravel layers, dirty-----	10	50
	Clay, blue-----	70	120
	Sand, fine, hard-----	15	135
	Sand and clay; mixed-----	20	155
	Sand and gravel; mixed-----	22	177
	Sand, medium; with layers of clay-----	15	192

132-056-34CCC  
(Log from Independent Drilling Co.)

		Date drilled:	11/13/67
Greenhorn Formation (top):			445
Dakota Sandstone (top):			882
		21	903

132-056-35AAA  
(Log from John M. Manikowski)

		Date drilled:	8/24/77
	Topsoil, black-----	1	1
	Clay, yellow-----	36	37
	Clay, blue-----	73	110
	Gravel and sand-----	2	112
	Clay, blue, and gravel-----	3	115
	Sand, water-bearing-----	10	125

132-057-06CDC  
(Log from Robert Recker)

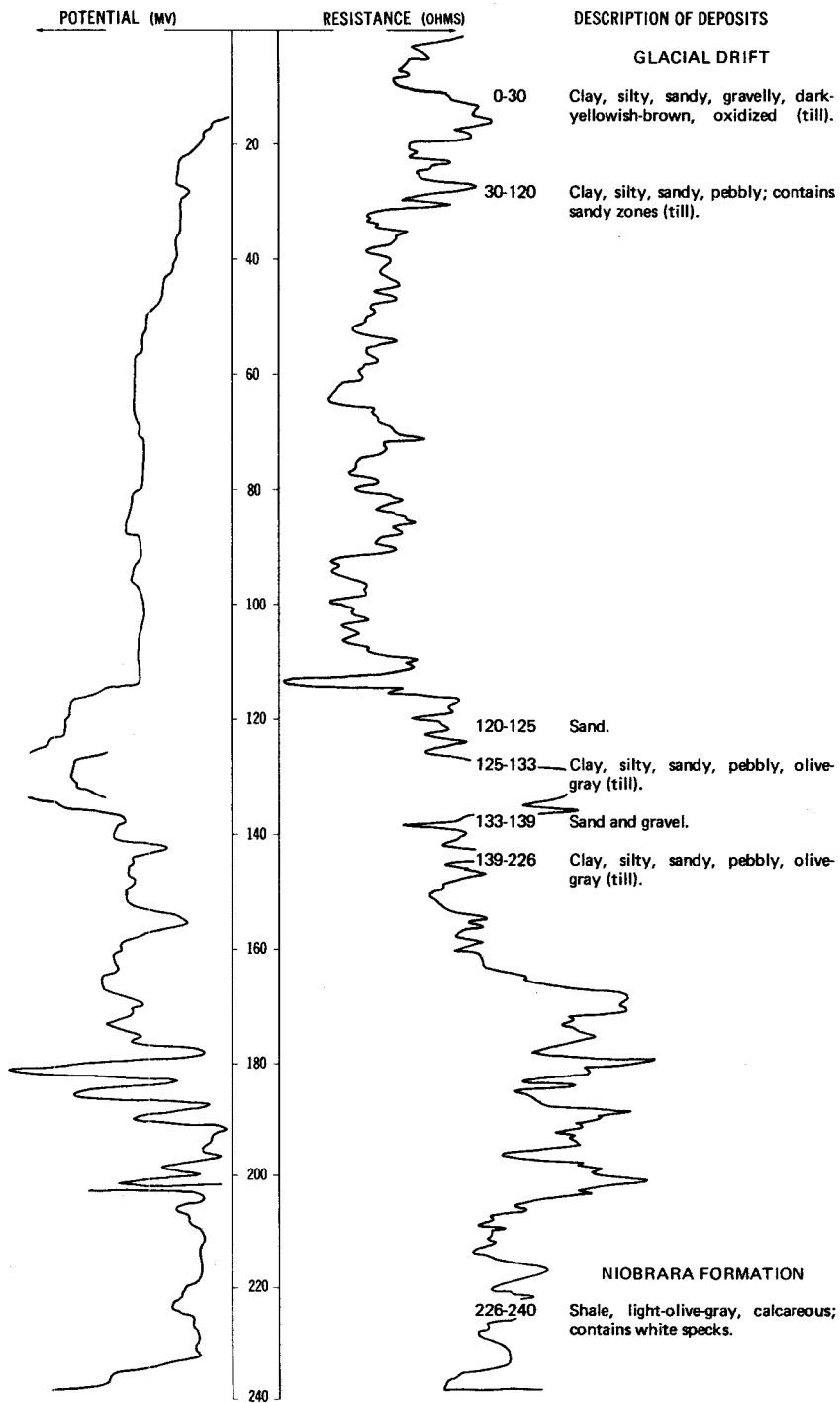
		Date drilled:	6/27/75
	Black dirt-----	4	4
	Sand, fine-----	17	21
	Sand, light-gray-----	7	28
	Clay, blue-----	9	37
	Rocks and gravel-----	1	38
	Clay, blue-----	36	74
	Sand, fine-----	2	76
	Clay, blue-----	14	90
	Sand and gravel, clayey-----	3	93
	Clay, blue-----	33	126
	Sand, coarse, and gravel-----	7	133

132-057-06DDD  
USBR W-14

		Date drilled:	10/ /66
Altitude:	1376 feet		
Glacial drift:			
	Loam-----	1	1
	Loam, silty-----	4	5
	Clay, sandy, silty, loamy (till)-----	18	23
	Clay (till)-----	2	25

LOCATION: 132-057-07AAA  
ALTITUDE: 1374  
(FT, NGVD)

DATE DRILLED: 10/22/75  
DEPTH: 240  
(FT)

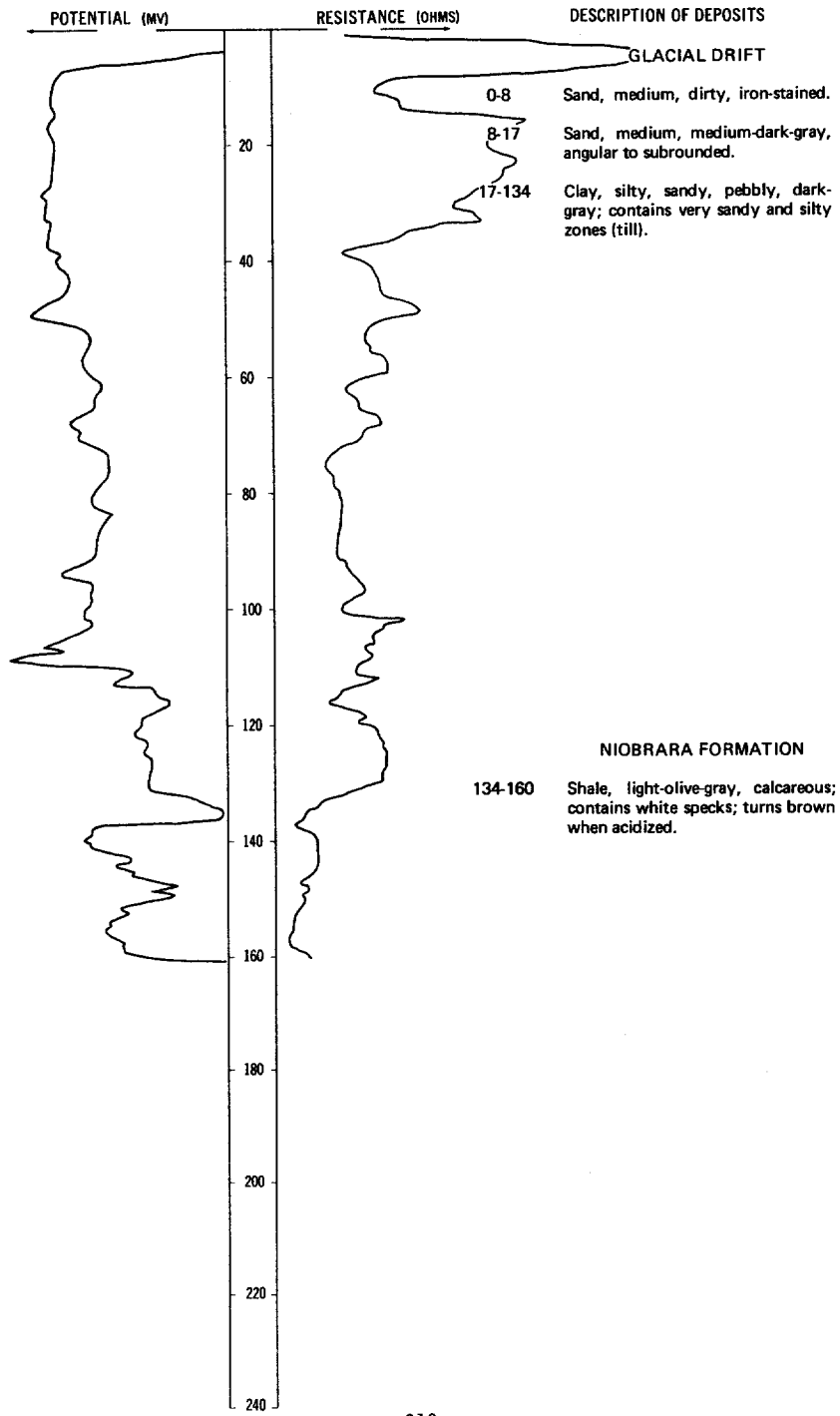


LOCATION: 132-057-07BBB1.2

DATE DRILLED: 5/22/75

ALTITUDE: 1318  
(FT, NGVD)

DEPTH: 160  
(FT)



132-057-15CCC  
(Log from Falk Bros. Well Drilling)

		Date drilled:	3/30/73
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow	25	25
	Shale	67	92
	Sand and shale	3	95
	Shale	25	120
	Slate and shale	15	135
	Shale	2	137
	Slate	2	139
	Shale	23	162
	Slate and sand	12	174
	No record	6	180

132-057-15DDD  
(Log from Independent Drilling Co.)

		Date drilled:	8/01/74
Greenhorn Formation (top):			565
Dakota Sandstone (top):		140	940
			1,080

132-057-18AAB  
(Log from Falk Bros. Well Drilling)

		Date drilled:	9/22/75
	Clay, yellow	8	8
	Sand	37	45

132-057-18ABA  
(Log from Falk Bros. Well Drilling)

		Date drilled:	4/24/73
	Clay	7	7
	Sand	10	17
	Shale	13	30

132-057-18ACC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	9/14/74
	Topsoil	2	2
	Clay, sandy, yellow	8	10
	Clay, sandy, blue	20	30
	Sand, fine	10	40
	Gravel	5	45

132-057-18DBC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	9/14/74
	Topsoil	2	2
	Clay, yellow	18	20
	Till, gray	50	70
	Sand	5	75
	Till, gray	5	80

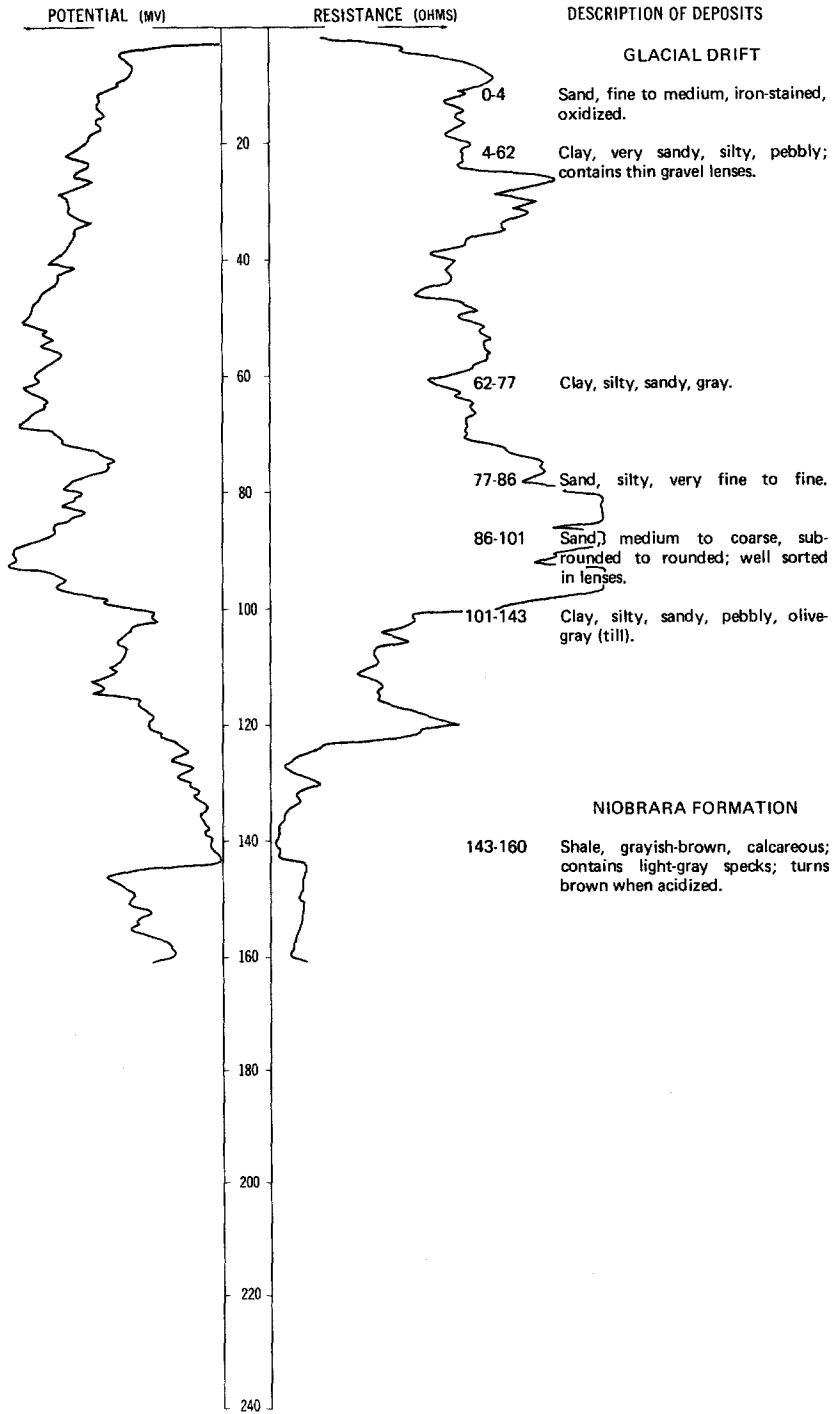


LOCATION: 132-057-19CCC

DATE DRILLED: 6/09/76

ALTITUDE: 1310  
(FT, NGVD)

DEPTH: 160  
(FT)



132-057-19DDD  
USBR W-13

Altitude: 1307 feet

Date drilled: 10/ /66

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam.....	2	2
	Clay, sandy.....	2	4
	Sand, fine.....	3	7
	Sand, fine, loamy.....	8	15
	Sand.....	5	20

132-057-21DDC  
(Log from Lako Drilling Co.)

Date drilled: 11/02/76

	Topsoil.....	2	2
	Clay, yellow.....	76	78
	Clay, gray.....	13	91
	Till.....	9	100
	Till, gravelly.....	122	222
	Gravel, coarse.....	11	233
	Till.....	5	238

132-057-25CCC  
(Log from Wieber Well Drilling)

Date drilled: 1/25/73

	Soil.....	2	2
	Clay, yellow; few stones.....	18	20
	Clay, yellow.....	40	60
	Clay, blue.....	50	110
	Sand, fine; layer; mixed with clay.....	20	130
	Clay, blue, hard; strips of sand.....	45	175
	Sand, coarse, gray, uniform.....	10	185

132-057-27CDD  
(Log from Lako Drilling Co.)

Date drilled: 8/07/73

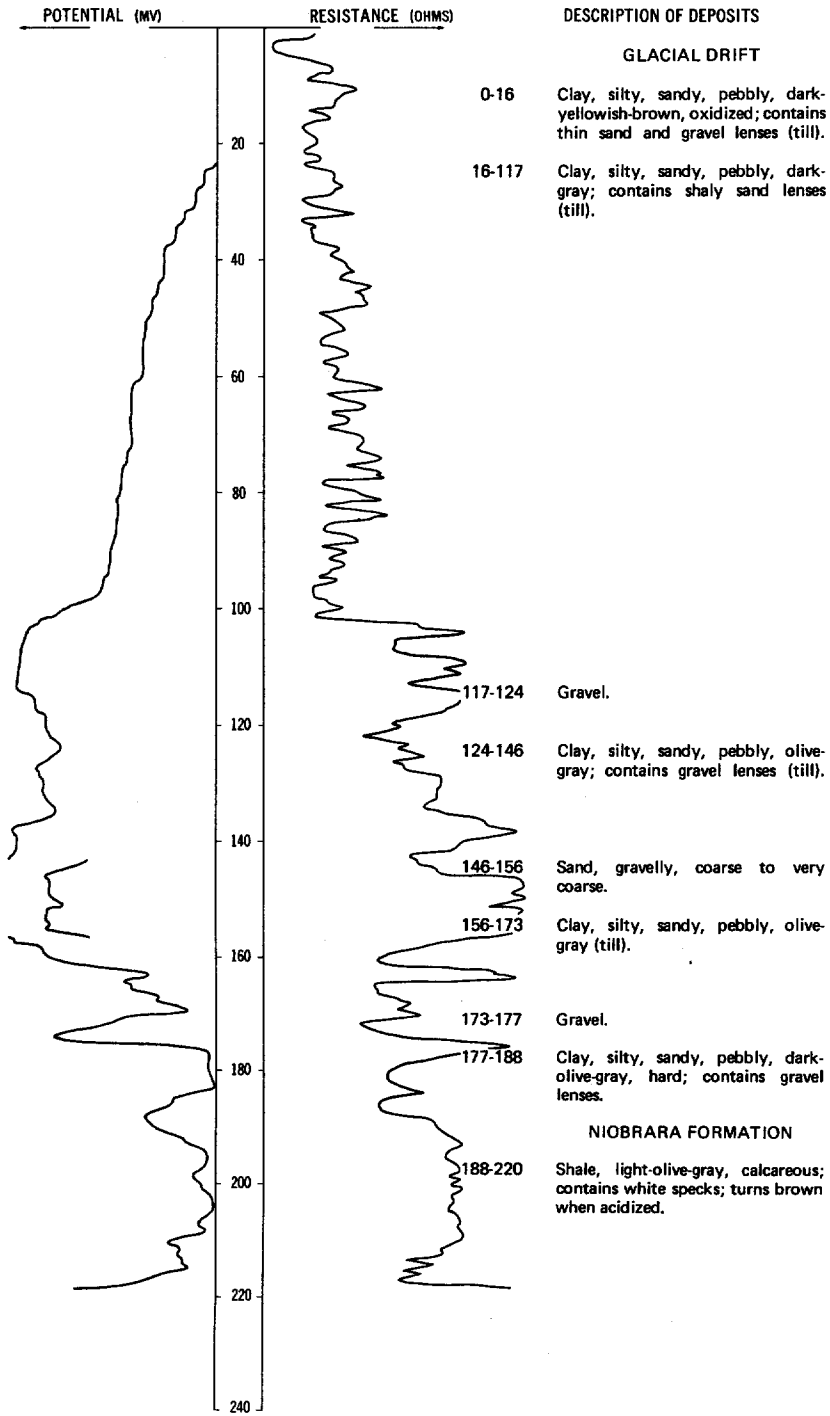
	Soil.....	2	2
	Till, yellow.....	15	17
	Till, gray.....	150	167
	Sand, coarse, yellow, clean.....	11	178
	Till, gray.....	11	189

LOCATION: 132-057-28DDA

DATE DRILLED: 10/22/75

ALTITUDE: 1343  
(FT, NGVD)

DEPTH: 220  
(FT)



132-057-29DDD  
USBR W-15

Altitude:	1306 feet	Date drilled:	10/20/66
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam, sandy	2	2
	Sand, fine	2	4
	Loam, sandy	1	5
	Sand, fine	5	10

132-057-31DDB  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/18/73
	Topsoil	2	2
	Sand	13	15
	Clay	30	45
	Till, gray	55	100

132-057-34AAB  
(Log from Wieber Well Drilling)

		Date drilled:	2/05/73
	Soil, black	1	1
	Clay, yellow; few stones	24	25
	Clay, yellow; small rocks	35	60
	Clay, blue	60	120
	Sand, coarse, dirty	20	140
	Sand, fine and coarse	20	160
	Clay, blue	20	180
	Sand, fine; scattered veins of mud	20	200
	Sand, fairly coarse, water	12	212

132-057-34ABA  
(Log from Lako Drilling Co.)

		Date drilled:	8/07/73
	Soil	3	3
	Till, yellow	17	20
	Till, gray	152	172
	Sand, coarse, yellow, clean	8	180
	Till	50	230
	Gravel	8	238
	Clay, silty	6	244

132-057-34ABB  
(Log from Lako Drilling Co.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 8/14/73	
		THICKNESS (FEET)	DEPTH (FEET)
	Soil.....	1	1
	Till, yellow.....	20	21
	Till, gray.....	158	179
	Gravel, coarse.....	11	190

132-057-35BBB  
(Log from Lako Drilling Co.)

		Date drilled: 8/16/73	
	Soil.....	1	1
	Till, yellow.....	27	28
	Till, gray.....	103	131
	Sand; streaks of till.....	6	137
	Till.....	18	155
	Sand, coarse, yellow.....	15	170

132-057-35CBB  
(Log from Wieber Well Drilling)

		Date drilled: 2/01/73	
	Soil, black.....	2	2
	Clay, yellow.....	18	20
	Sand, fine, dirty.....	15	35
	Clay, yellow; with stones.....	25	60
	Clay, blue; mixed with layers of fine sand.....	55	115
	Clay, grayish-blue; with layers of coarse and fine sand.....	30	145
	Clay, blue; with a few stones.....	13	158
	Sand, clean, water.....	10	168

132-058-01AAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/18/73	
	Topsoil.....	2	2
	Sand.....	12	14
	Clay.....	24	38
	Till, gray.....	62	100

132-058-01ABB  
(Log from Empire Irrigation & Drilling Co., Inc.)

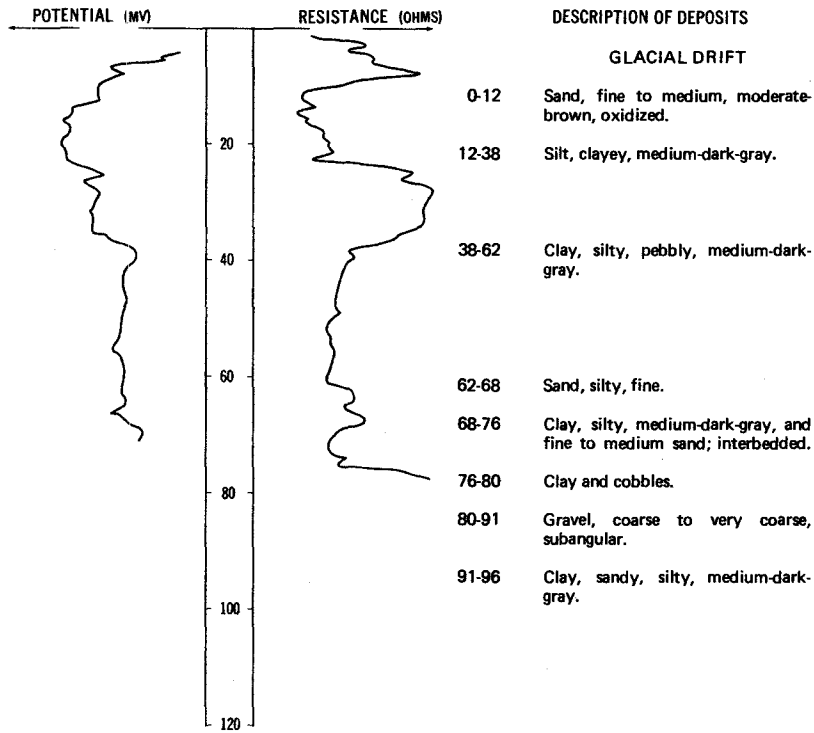
Altitude: 1320 feet		Date drilled: 9/12/74	
	Topsoil.....	2	2
	Sand.....	16	18
	Till, gray.....	22	40
	Sand.....	5	45
	Till, gray.....	55	100

LOCATION: 132-058-01BAB

DATE DRILLED: 10/24/77

ALTITUDE: 1317  
(FT, NGVD)

DEPTH: 96  
(FT)



132-058-01BAC1  
(Log from Empire Irrigation & Drilling Co., Inc.)

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)	Date drilled:
	Topsoil	2	2	9/01/74
	Sand	13	15	
	Till, gray	35	50	
	Sand, fine	10	60	
	Sand and gravel	10	70	
	Gravel, coarse	16	86	
	Till, gray	4	90	

132-058-01BAC2  
(Log from Empire Irrigation & Drilling Co., Inc.)

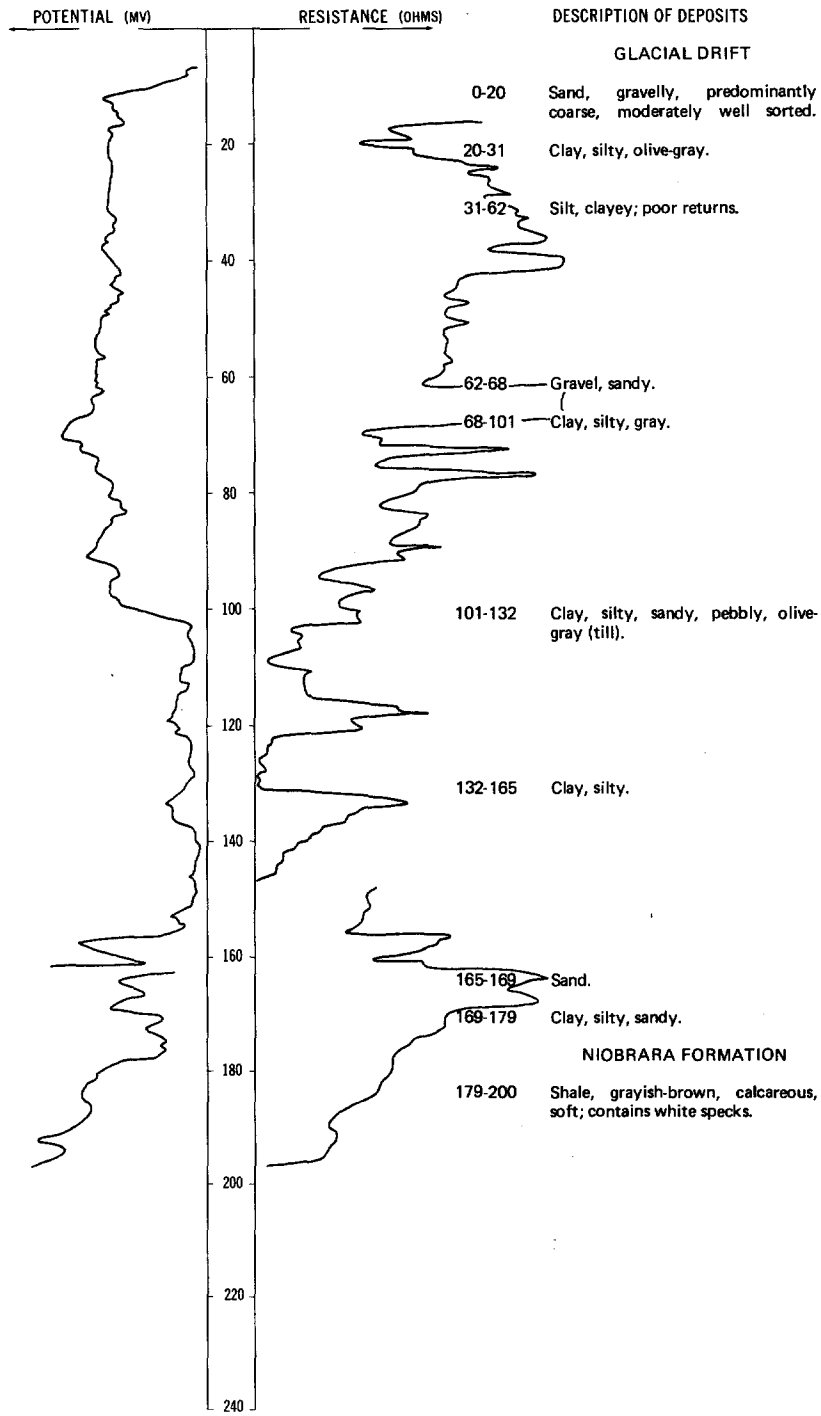
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)	Date drilled:
	Topsoil	2	2	9/10/74
	Sand, fine	19	21	
	Clay, silty	21	42	
	Till	16	58	
	Sand and gravel	22	80	
	Boulders	---	80	

LOCATION: 132-058-01BBA

DATE DRILLED: 10/21/77

ALTITUDE: 1317  
(FT, NGVD)

DEPTH: 200  
(FT)

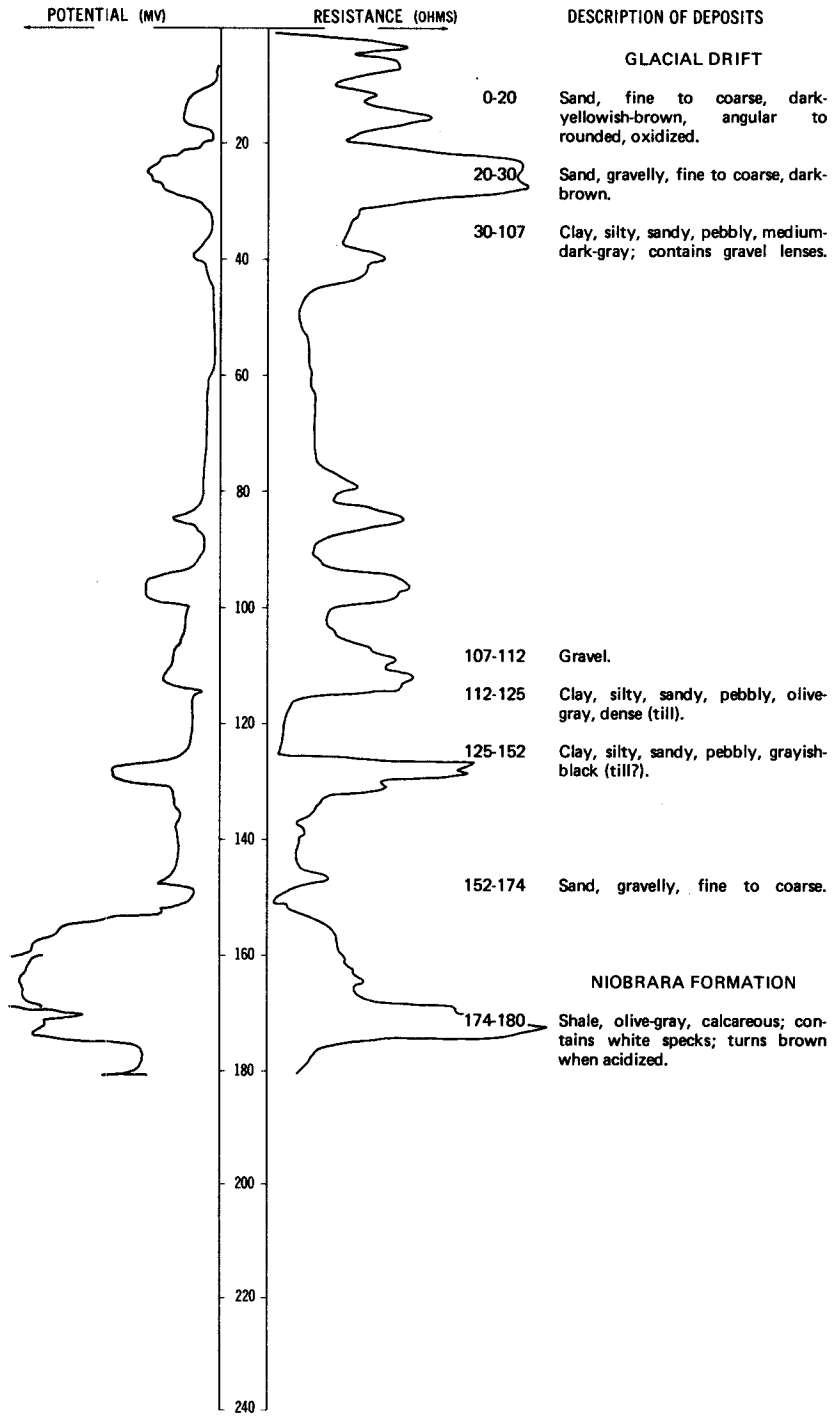


LOCATION: 132-058-01BBC1, 2

DATE DRILLED: 5/27/75

ALTITUDE: 1305  
(FT, NGVD)

DEPTH: 180  
(FT)





**132-058-01BCA1**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1320 feet	Date drilled:	10/18/73
<b>GEOLOGIC SOURCE</b>	<b>MATERIAL</b>	<b>THICKNESS (FEET)</b>	<b>DEPTH (FEET)</b>
	Topsoil-----	2	2
	Sand-----	17	19
	Clay, silty-----	36	55
	Sand-----	10	65
	Gravel-----	28	93
	Till, gray-----	7	100

**132-058-01BCA2**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1315 feet	Date drilled:	8/30/74
	Topsoil-----	2	2
	Sand-----	17	19
	Clay, silty-----	36	55
	Sand and gravel-----	37	92
	Rocks-----	2	94

**132-058-01BDA**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1320 feet	Date drilled:	9/12/74
	Topsoil-----	2	2
	Clay, sandy-----	8	10
	Sand and gravel-----	15	25
	Till, gray-----	55	80

**132-058-01CAC**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1325 feet	Date drilled:	8/30/74
	Topsoil-----	2	2
	Sand-----	23	25
	Clay, silty-----	5	30
	Sand, fine-----	25	55
	Sand and gravel-----	40	95

**132-058-01CCA1**  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/18/73
	Topsoil-----	2	2
	Sand, brown-----	23	25
	Clay-----	5	30
	Sand, fine-----	25	55
	Silt-----	7	62
	Sand and gravel-----	29	91
	Till, gray-----	4	95

132-058-01CCA2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 5/19/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil	2	2
	Till, yellow	15	17
	Till, gray	4	21
	Sand, very fine	9	30
	Till, gray	70	100

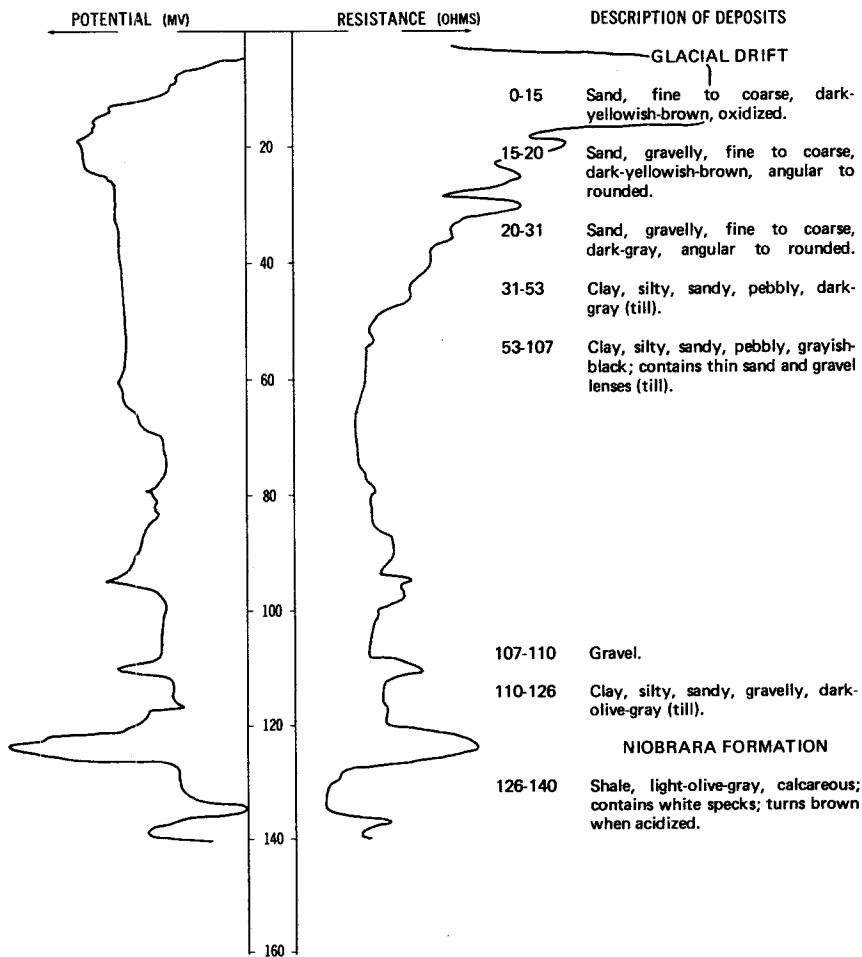
NDSWC 9272, 9272A

LOCATION: 132-058-01CCC1, 2

DATE DRILLED: 5/27/75

ALTITUDE: 1318  
(FT, NGVD)

DEPTH: 140  
(FT)



132-058-01DDD  
USBR W-9

Altitude: 1317 feet

Date drilled: 10/20/66

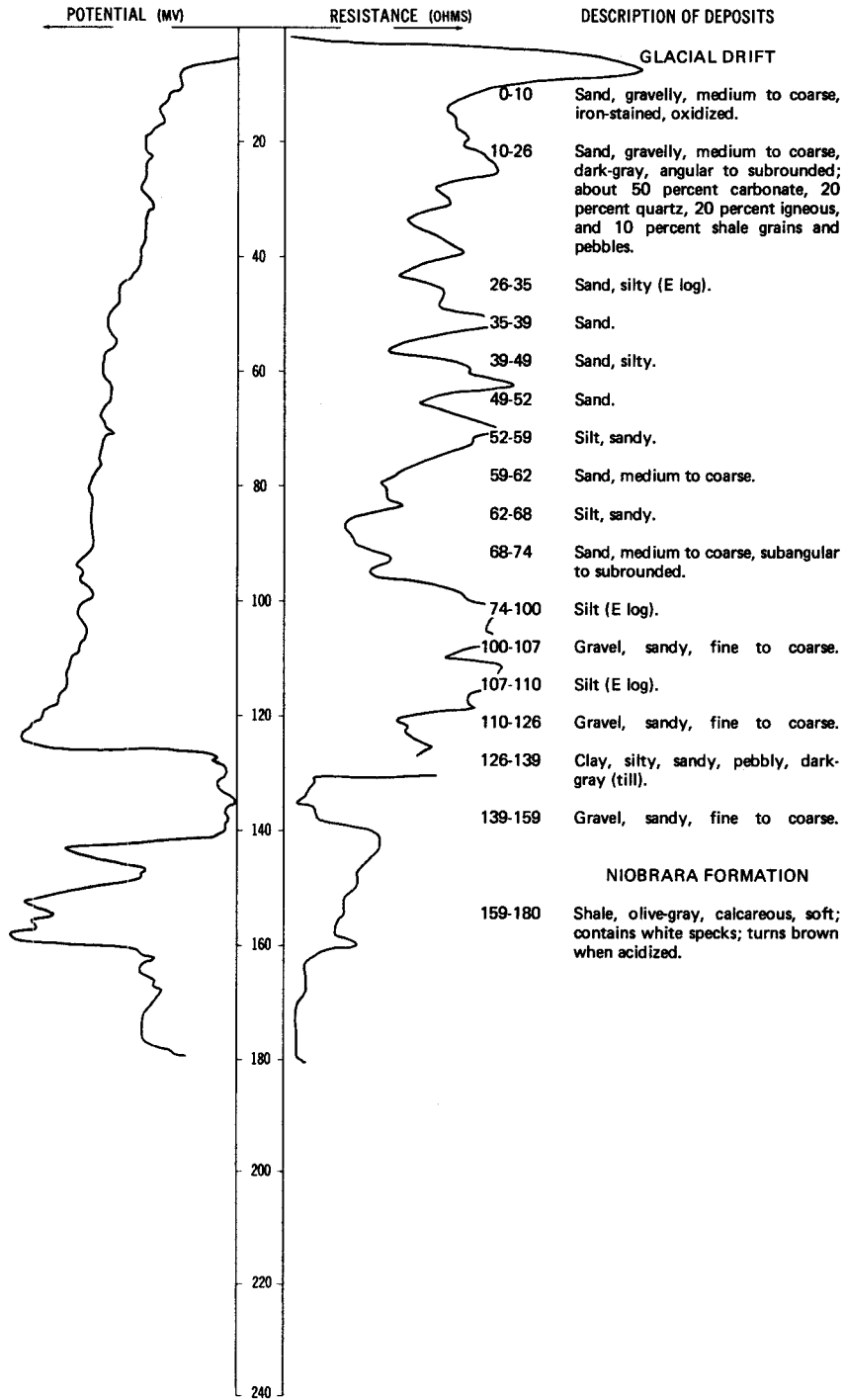
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam, sandy-----	3	3
	Sand, fine-----	4	7
	Sand, loamy-----	7	14
	Loam, sandy-----	4	18
	Clay, sandy (till)-----	2	20

LOCATION: 132-058-02CCC

DATE DRILLED: 5/28/75

ALTITUDE: 1315  
(FT, NGVD)

DEPTH: 180  
(FT)



132-058-02DDD  
 USBR W-5

Altitude: 1318 feet

Date drilled: 10/19/66

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

Glacial drift:

Sand, loamy	2	2
Sand	18	20

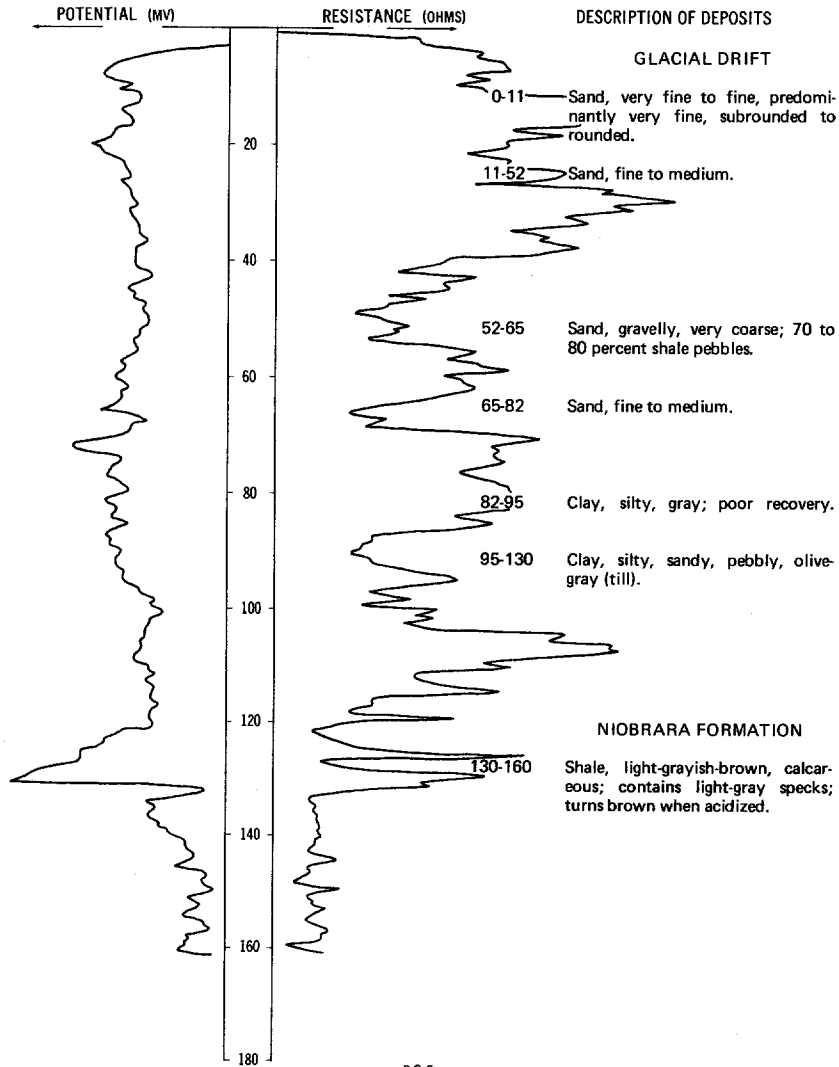
NDSWC 9595, 9595A

LOCATION: 132-058-03AAA1, 2

DATE DRILLED: 6/14/76

ALTITUDE: 1312  
 (FT, NGVD)

DEPTH: 160  
 (FT)



132-058-03AAA3  
USBR W-7

Altitude:	1312 feet	Date drilled:	10/19/66
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam, sandy-----	4	4
	Sand, fine-----	11	15
	Sand-----	5	20

132-058-03AAC  
(Log from Green Circle Supply Co.)

		Date drilled:	11/15/75
	Topsoil-----	1	1
	Sand, medium, oxidized-----	9	10
	Sand, fine-----	14	24
	Sand, coarse, clean-----	8	32
	Sand, medium, clean-----	9	41
	Sand, clayey, silty-----	22	63
	Clay (till), moist-----	17	80

132-058-03AAD1  
(Log from Green Circle Supply Co.)

		Date drilled:	12/03/75
	Topsoil-----	1	1
	Sand, clayey, yellow-----	2	3
	Sand and gravel, oxidized-----	3	6
	Sand, medium, oxidized-----	7	13
	Sand and gravel, medium to coarse, clean-----	7	20
	Sand, medium, and gravel; clean-----	10	30
	Sand, fine to medium, and gravel-----	8	38
	Sand, silty, clayey-----	22	60

132-058-03AAD2  
(Log from Green Circle Supply Co.)

		Date drilled:	11/15/75
	Topsoil-----	1	1
	Sand, fine, brown, oxidized-----	5	6
	Sand, coarse, and pea-size gravel-----	4	10
	Sand, cleaner, and pea-size gravel-----	11	21
	Sand, clean, and pea-size gravel-----	21	42
	Gravel and silt-----	6	48
	Gravel, silty-----	22	70
	Gravel, pea-size; some silt zones-----	10	80
	Sand, silty, clayey-----	15	95
	Till, clay-----	5	100

132-058-03AAD3  
(Log from Green Circle Supply Co.)

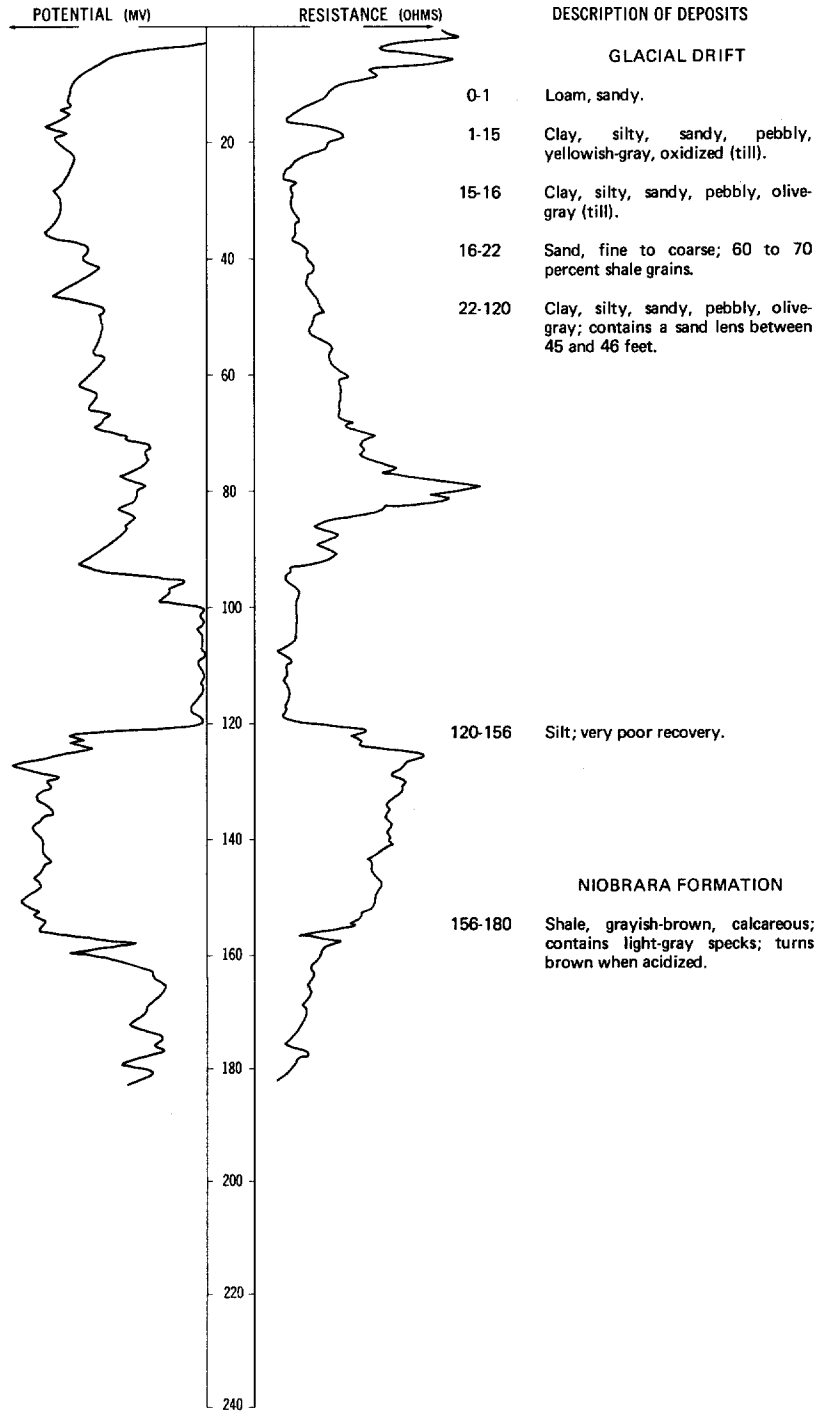
		Date drilled:	6/13/77
	Topsoil-----	5	5
	Gravel-----	30	35
	Sand-----	25	60
	Clay, sandy-----	20	80

LOCATION: 132-058-03CCD

DATE DRILLED: 6/11/76

ALTITUDE: 1315  
(FT, NGVD)

DEPTH: 180  
(FT)

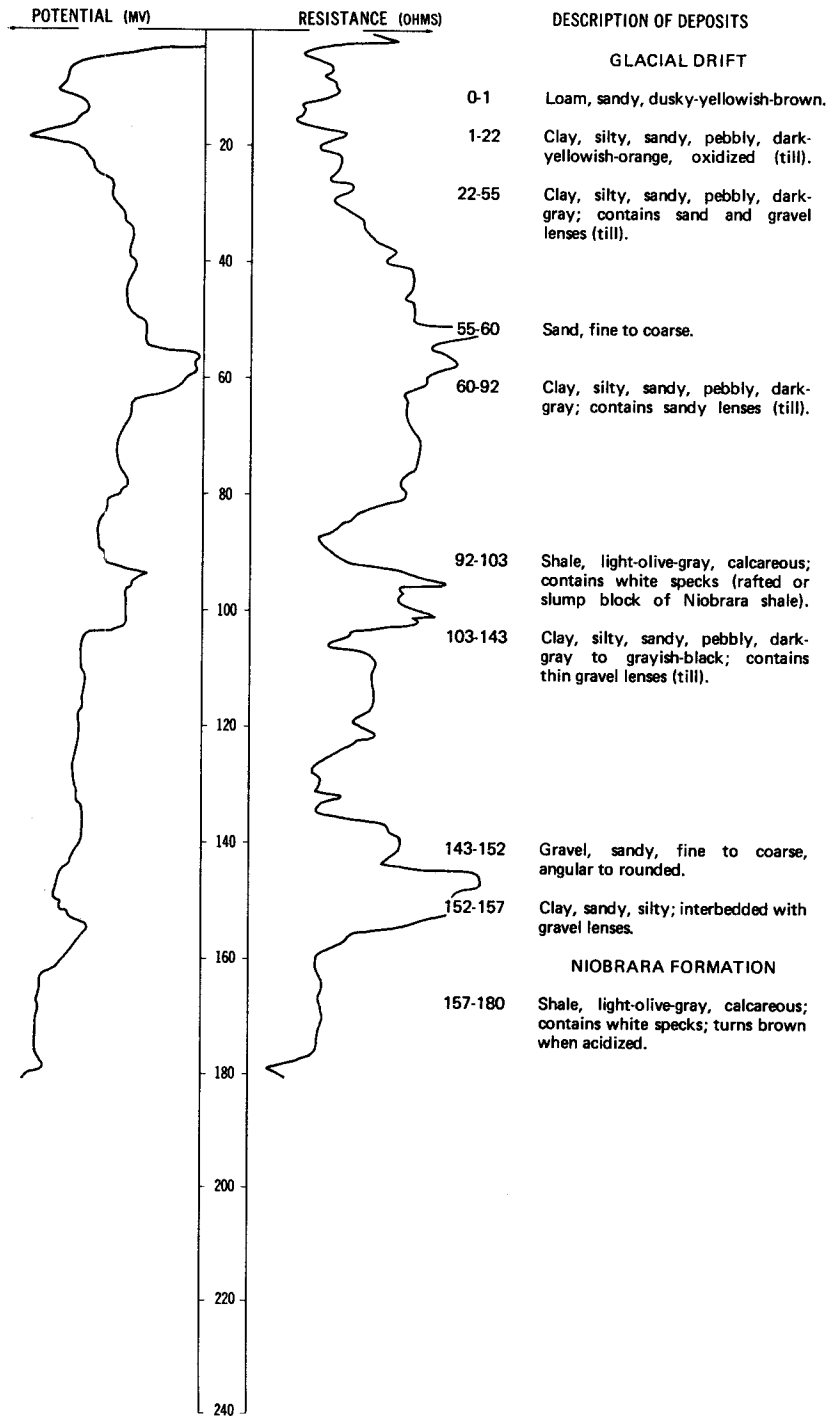


LOCATION: 132-058-04CCC

DATE DRILLED: 11/20/74

ALTITUDE: 1320  
(FT, NGVD)

DEPTH: 180  
(FT)



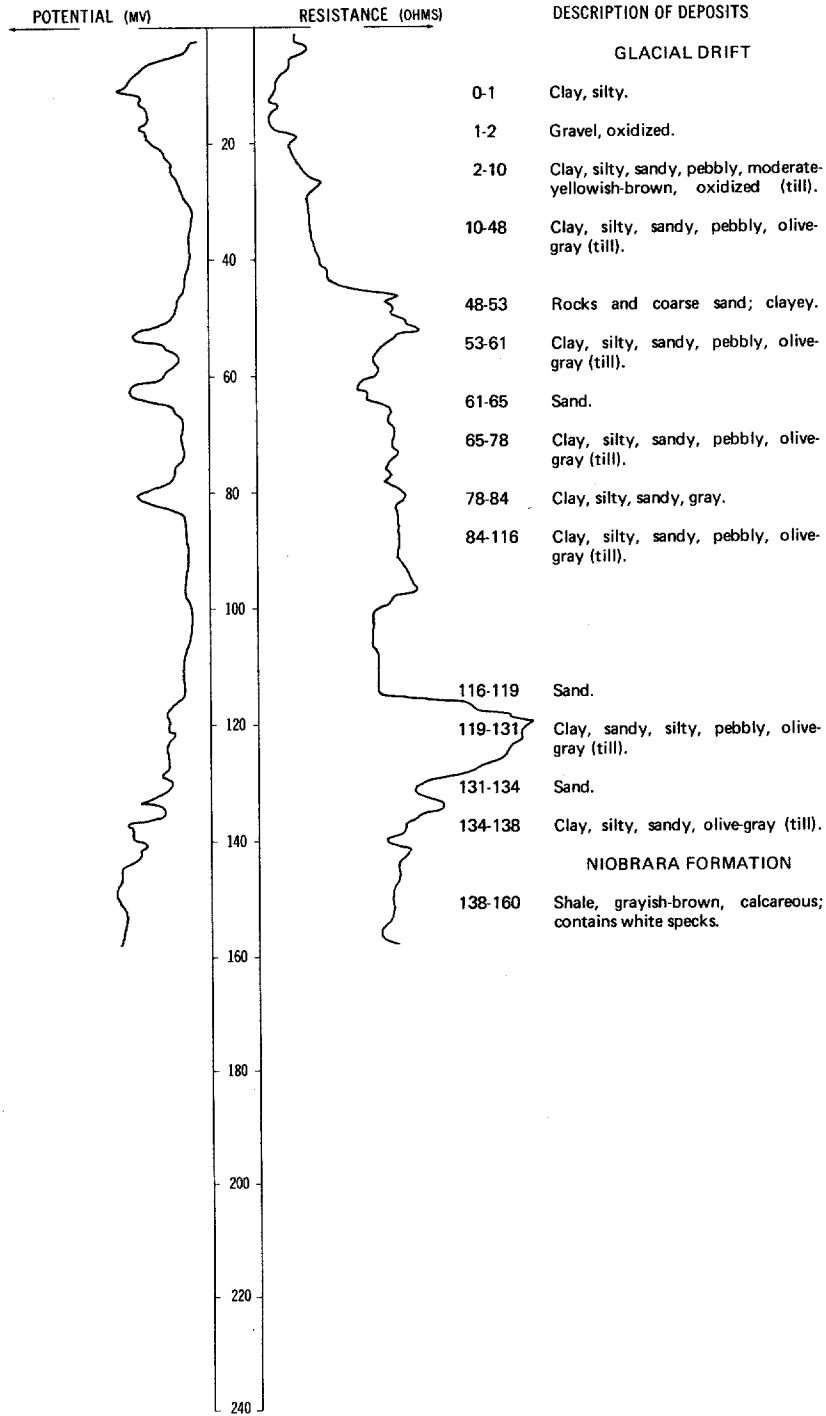


LOCATION: 132-058-04DDC

DATE DRILLED: 10/19/77

ALTITUDE: 1311  
(FT, NGVD)

DEPTH: 160  
(FT)



132-058-08DBD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/30/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, yellow-----	8	10
	Till, gray-----	8	18
	Gravel-----	5	23
	Till, gray-----	37	60
	Clay; sand layers-----	20	80

132-058-09C8D  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/30/74

	Topsoil-----	2	2
	Clay, yellow-----	8	10
	Till, gray-----	10	20
	Sand, fine-----	3	23
	Till, gray-----	137	160
	Sand, fine-----	3	163
	Chalk rock-----	17	180

132-058-09DBD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/30/74

	Topsoil-----	2	2
	Clay, yellow-----	8	10
	Till, gray-----	30	40

132-058-09DCA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/30/74

	Topsoil-----	2	2
	Clay, sandy-----	13	15
	Sand, brown-----	6	21
	Sand and gravel-----	6	27
	Clay-----	13	40

132-058-09DDD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/30/74	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, sandy-----	14	16
	Sand and gravel-----	12	28
	Clay-----	12	40

132-058-10ABD  
(Log from Falk Bros. Well Drilling)

		Date drilled: 4/17/73	
	Clay, yellow-----	15	15
	Shale-----	75	90
	Shale and boulders-----	12	102
	Shale-----	27	129
	Sand, fine-----	29	158
	Shale-----	4	162
	Sand-----	15	177
	Shale-----	3	180

132-058-10DDA  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 7/01/76	
	Topsoil-----	2	2
	Sand, fine-----	18	20
	Sand-----	10	30
	Till, gray-----	98	128
	Shale-----	32	160

132-058-10DDD  
(Log from Empire Irrigation & Drilling Co., Inc.)

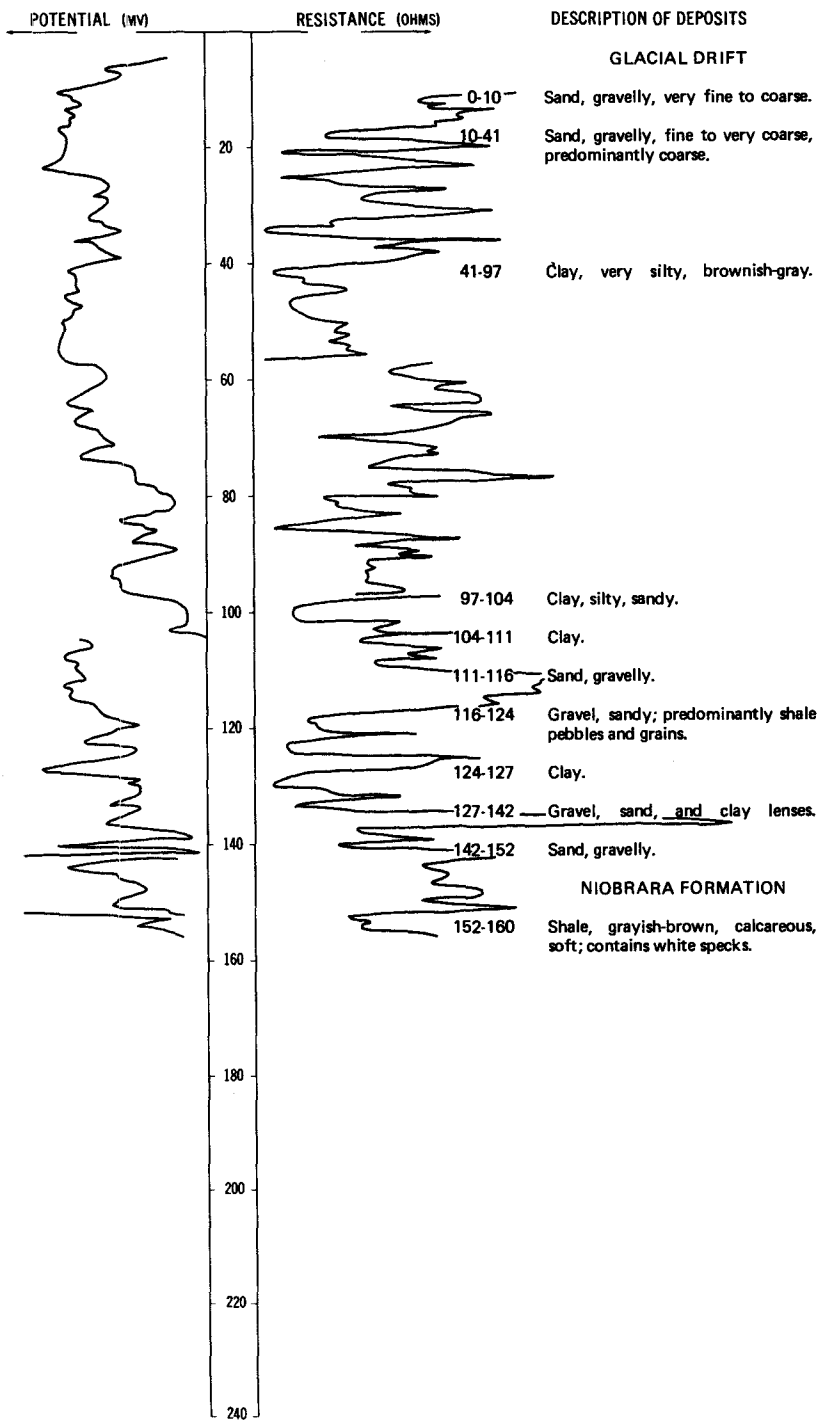
		Date drilled: 7/01/76	
	Topsoil-----	2	2
	Sand, fine-----	18	20
	Sand, medium-----	15	35
	Till, gray-----	45	80

LOCATION: 132-058-11BAA

DATE DRILLED: 10/19/77

ALTITUDE: 1314  
(FT, NGVD)

DEPTH: 160  
(FT)



132-058-11CCC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	7/01/76
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand, fine-----	18	20
	Sand-----	5	25
	Till, gray-----	15	40

132-058-11DD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/24/74
	Topsoil-----	2	2
	Sand and gravel-----	78	80

132-058-12ABD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/24/74
	Topsoil-----	2	2
	Sand and gravel-----	20	22
	Clay-----	18	40

132-058-12BAA  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	11/18/75
	Topsoil-----	2	2
	Clay, yellow-----	20	22
	Silt, clayey-----	8	30
	Sand, fine-----	60	90
	Sand and gravel-----	24	114
	Till, gray-----	6	120

132-058-12BAB1  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/24/74
	Topsoil-----	2	2
	Sand and gravel-----	13	15
	Clay-----	5	20

132-058-12BAB2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 11/18/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Clay, sandy.....	3	5
	Clay, yellow.....	13	18
	Silt, clayey.....	12	30
	Sand, fine.....	25	55
	Till, gray.....	45	100

132-058-12BAB3  
(Log from Falk Bros. Well Drilling)

Altitude: 1350 feet

Date drilled: 11/14/74

	Clay, yellow.....	15	15
	Shale.....	20	35
	Sand, fine.....	50	85
	Sand, coarse.....	35	120

132-058-12BAB4  
(Log from K & K Drilling, Inc.)

Date drilled: 4/17/77

	Topsoil.....	1	1
	Sand, fine, clayey, yellow, hard.....	4	5
	Clay, yellow.....	26	31
	Sand, fine, brown.....	26	57
	Clay, yellow, and lignite.....	1	58
	Till, blue.....	3	61
	Sand, fine to medium.....	40	101
	Gravel, fine to coarse.....	17	118

132-058-12BBD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 11/18/75

	Topsoil.....	2	2
	Clay, yellow.....	16	18
	Till, gray.....	102	120

132-058-12CCA1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/15/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand and gravel-----	33	35
	Clay-----	5	40
	Sand, fine-----	30	70
	Sand, medium-----	15	85
	Gravel-----	16	101
	Till, gray-----	---	101

132-058-12CCA2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1330 feet

Date drilled: 12/23/74

	Topsoil-----	2	2
	Sand and gravel-----	31	33
	Clay-----	4	37
	Sand, fine-----	23	60
	Sand, medium-----	15	75
	Gravel-----	16	91

132-058-13BAB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/14/74

	Topsoil-----	2	2
	Sand and gravel-----	33	35
	Clay-----	5	40
	Sand, fine-----	30	70
	Gravel, fine-----	5	75
	Gravel-----	7	82
	Till, gray-----	8	90

132-058-13BAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1310 feet	Date drilled:	9/14/74
<b>GEOLOGIC SOURCE</b>	<b>MATERIAL</b>	<b>THICKNESS (FEET)</b>	<b>DEPTH (FEET)</b>
	Topsoil.....	2	2
	Clay.....	3	5
	Sand, medium.....	25	30
	Silt.....	48	78
	Gravel.....	12	90
	Till, gray.....	10	100

132-058-13BAD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1310 feet	Date drilled:	9/14/74
	Topsoil.....	2	2
	Sand.....	33	35
	Clay, silty.....	47	82
	Gravel.....	2	84
	Till, gray.....	16	100

132-058-13BBA1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1310 feet	Date drilled:	9/14/74
	Topsoil.....	2	2
	Clay, sandy.....	8	10
	Sand, fine.....	60	70
	Sand, medium.....	20	90
	Gravel, coarse.....	12	102
	Till, gray.....	8	110

132-058-13BBA2  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/14/74
	Topsoil.....	2	2
	Sand and gravel.....	36	38
	Clay, silty.....	4	42
	Sand, fine.....	33	75
	Sand and gravel.....	19	94
	Clay.....	6	100

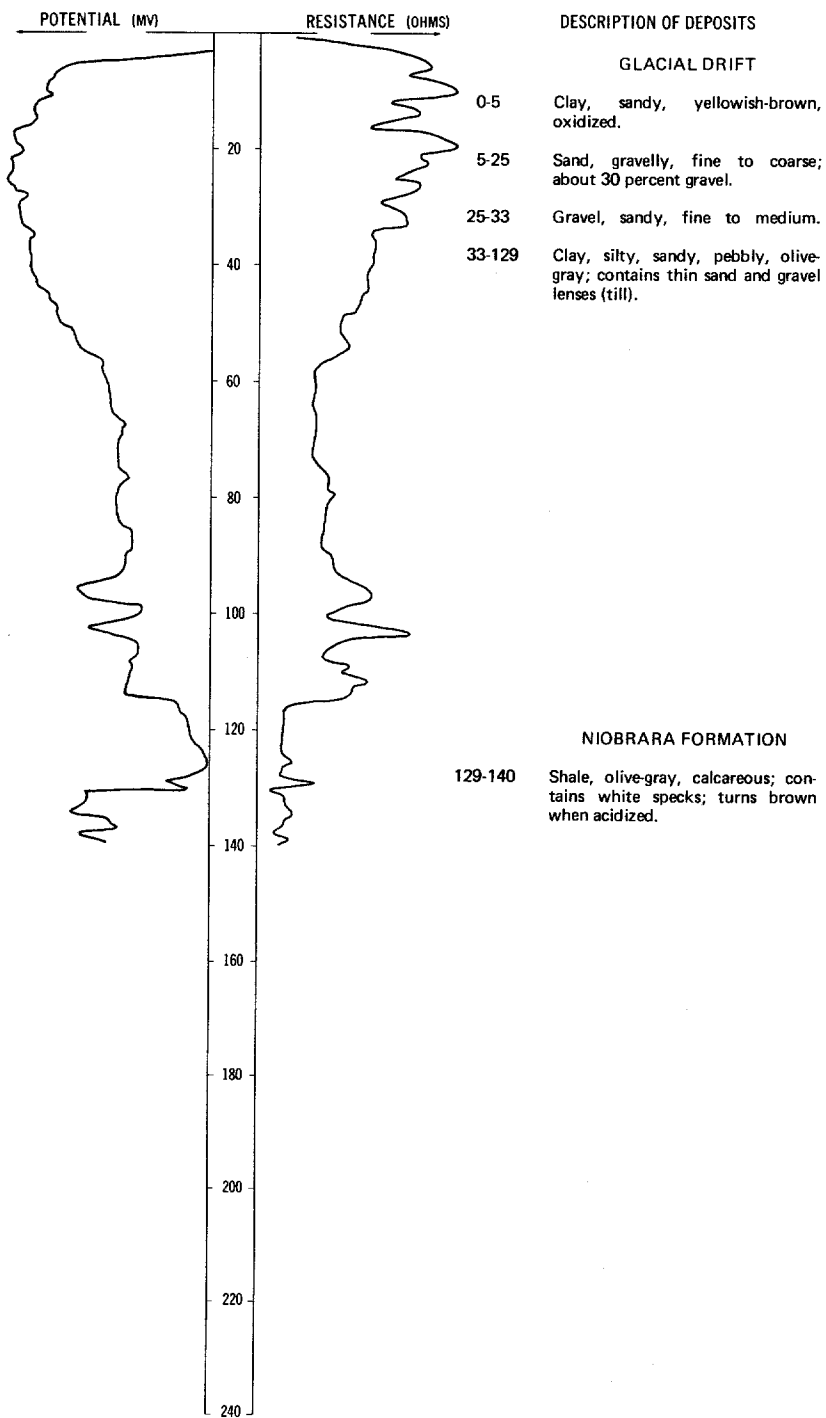


LOCATION: 132-058-13BBB1, 2

DATE DRILLED: 5/28/75

ALTITUDE: 1310  
(FT, NGVD)

DEPTH: 140  
(FT)



132-058-13BBB3  
USBR W-4

Altitude:	1309 feet	Date drilled:	10/19/66
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Clay, sandy-----	2	2
	Loam, sandy-----	3	5
	Sand, loamy-----	2	7
	Sand, coarse, loamy-----	12	19

132-058-13BBD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1310 feet	Date drilled:	10/26/74
	Topsoil-----	2	2
	Clay, sandy-----	8	10
	Sand, fine-----	60	70
	Sand and gravel-----	20	90

132-058-13CAC  
(Log from Adair Drilling Co.)

		Date drilled:	9/07/76
	Topsoil-----	1	1
	Sand, clayey, oxidized-----	9	10
	Sand-----	10	20
	Sand and gravel-----	16	36
	Gravel and clay-----	4	40
	Sand, fine to medium-----	5	45
	Sand, coarse-----	15	60
	Sand, fine, and clay-----	32	92
	Sand and gravel-----	3	95
	Clay, till-----	2	97
	Sand and gravel-----	4	101
	Clay-----	2	103
	Sand and gravel-----	43	146

132-058-13CBD  
(Log from K & K Drilling, Inc.)

Date drilled: 5/05/77

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, yellow-----	5	7
	Sand, brown-----	16	23
	Clay, silty, blue-----	60	83
	Sand to coarse gravel-----	45	128

132-058-13CCA1  
(Log from Adair Drilling Co.)

Date drilled: 9/07/76

	Topsoil-----	2	2
	Till-----	8	10
	Till, sandy-----	10	20
	Sand-----	15	35
	Clay and gravel-----	35	70
	Till, sandy, clayey-----	13	83
	Sand and gravel-----	12	95
	Clay, sandy-----	3	98
	Clay cobbles-----	2	100
	Till, gravelly-----	10	110
	Clay, till-----	30	140

132-058-13CCA2  
(Log from K & K Drilling, Inc.)

Date drilled: 3/25/77

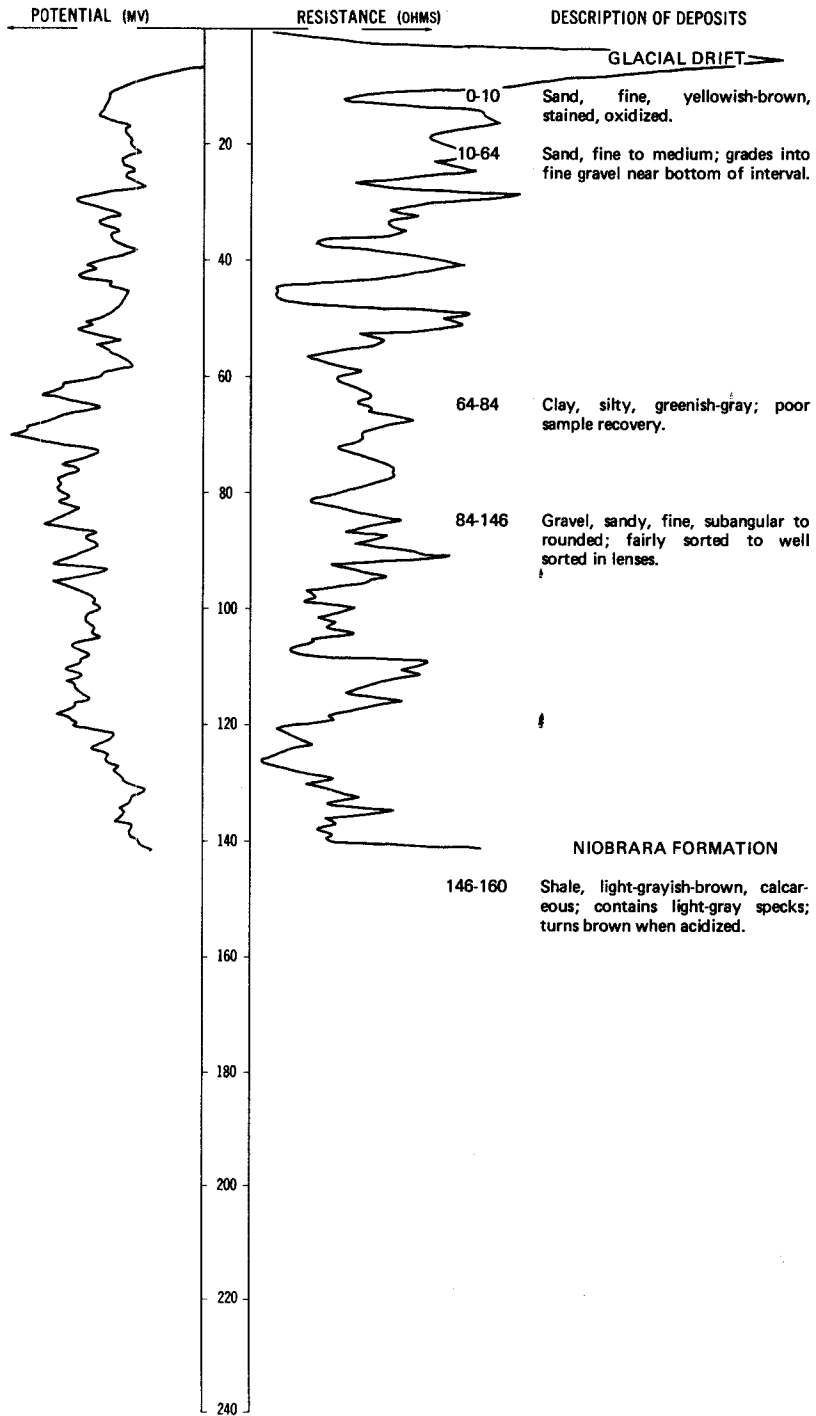
	Topsoil-----	2	2
	Clay, yellow-----	5	7
	Sand and gravel, brown-----	16	23
	Clay, silty, blue-----	60	83
	Sand and gravel-----	57	140

LOCATION: 132-058-13CCC1, 2

DATE DRILLED: 6/09/76

ALTITUDE: 1319  
(FT, NGVD)

DEPTH: 160  
(FT)



132-058-14DDB  
(Log from Adair Drilling Co.)

Date drilled: 9/07/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Till-----	89	90
	Gravel-----	35	125
	Clay, till-----	10	135

132-058-14DDD  
USB R W-3

Altitude: 1316 feet

Date drilled: 10/19/66

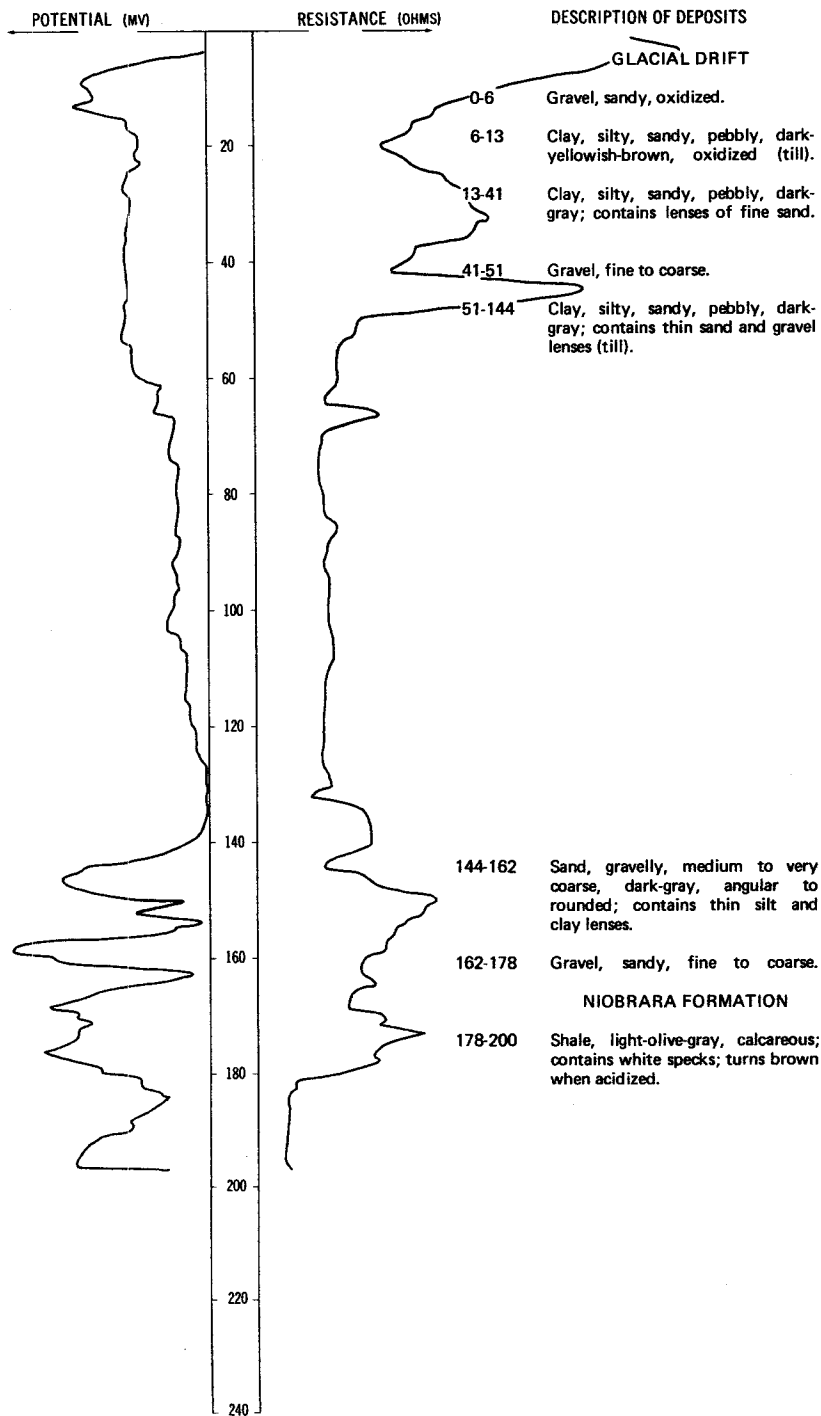
Glacial drift:	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Loam, sandy-----	1	1
	Loam, coarse, sandy-----	4	5
	Loam, sandy-----	5	10
	Loam-----	2	12
	Sand, fine, loamy-----	2	14
	Loam, coarse, sandy-----	---	25

LOCATION: 132-058-168BA2, 1

DATE DRILLED: 5/21/75

ALTITUDE: 1320  
(FT, NGVD)

DEPTH: 200  
(FT)



132-058-16CCA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1335 feet	Date drilled:	9/14/74
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, yellow-----	16	18
	Sand and gravel-----	18	36
	Till, gray-----	4	40

132-058-16DAD  
(Log from Falk Bros. Well Drilling)

Altitude:	1375 feet	Date drilled:	11/15/74
	Clay, yellow-----	28	28
	Sand, yellow-----	30	58
	Shale-----	4	62
	Sand-----	16	78

132-058-17AAA  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	5/19/75
	Topsoil-----	2	2
	Till, yellow-----	14	16
	Sand and gravel-----	14	30
	Clay-----	---	30

132-058-17CAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1325 feet	Date drilled:	10/01/74
	Topsoil-----	2	2
	Till, yellow-----	13	15
	Till, gray-----	6	21
	Sand and gravel-----	13	34
	Till, gray-----	---	34

132-058-17CCC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/11/76
	Topsoil-----	3	3
	Clay, yellow-----	12	15
	Gravel-----	14	29
	Clay, blue-----	6	35

132-058-17CDA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/01/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Till, gray.....	16	18
	Sand and gravel.....	18	36

132-058-17CDD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/11/76

	Topsoil.....	2	2
	Clay, yellow.....	15	17
	Sand and gravel.....	15	32
	Clay, blue.....	2	34
	Sand.....	1	35
	Clay, blue.....	5	40

132-058-17DAA1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1320 feet Date drilled: 10/18/73

	Topsoil.....	2	2
	Clay, sandy.....	16	18
	Sand and gravel.....	12	30
	Clay.....	---	30

132-058-17DAA2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1320 feet Date drilled: 9/14/74

	Topsoil.....	2	2
	Till, yellow.....	13	15
	Till, gray.....	3	18
	Gravel.....	12	30
	Till, gray.....	10	40

132-058-17DBA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1320 feet Date drilled: 9/12/74

	Topsoil.....	2	2
	Till, yellow.....	13	15
	Till, gray.....	5	20
	Sand, medium.....	5	25
	Gravel.....	12	37
	Till, gray.....	3	40



132-058-17DBC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1320 feet	Date drilled:	9/12/74
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, sandy-----	13	15
	Till, gray-----	9	24
	Gravel-----	1	25
	Till, gray-----	15	40
	Sand-----	5	45
	Till, gray-----	15	60

132-058-17DBD1  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	6/30/76
	Topsoil-----	2	2
	Clay-----	17	19
	Sand and gravel-----	12	31
	Clay-----	4	35

132-058-17DBD2  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	6/30/76
	Topsoil-----	2	2
	Clay-----	17	19
	Sand and gravel-----	6	25
	Clay-----	---	25

132-058-17DDB1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1320 feet	Date drilled:	9/12/74
	Topsoil-----	2	2
	Till, yellow-----	16	18
	Sand and gravel-----	12	30
	Till, gray-----	10	40

132-058-17DDB2  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/11/76
	Topsoil-----	2	2
	Clay, yellow-----	13	15
	Sand and gravel-----	15	30
	Clay, blue-----	10	40

132-058-21AAA1  
NDSWC 9592

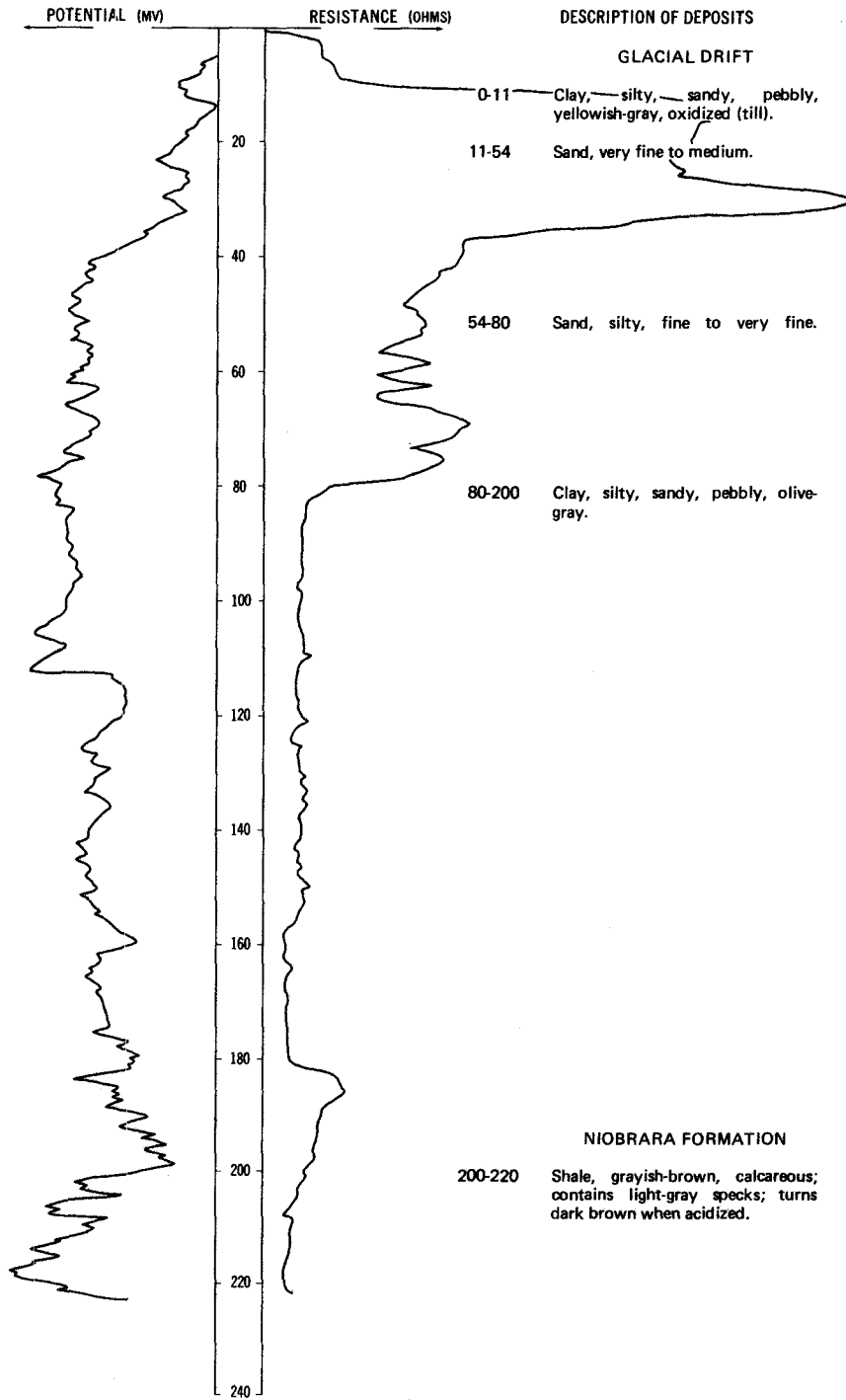
Altitude:	1372 feet	Date drilled:	6/10/76
	Soil-----	0.5	0.5
	Sand, very fine to fine, subrounded to rounded, oxidized-----	10.5	11
	Sand, fine to medium, subrounded; contains about 60 percent quartz, 20 percent carbonate, and 20 percent shale grains; lost circulation at 35 feet-----	24	35

LOCATION: 132-058-21AAA2, 3

DATE DRILLED: 6/10/76

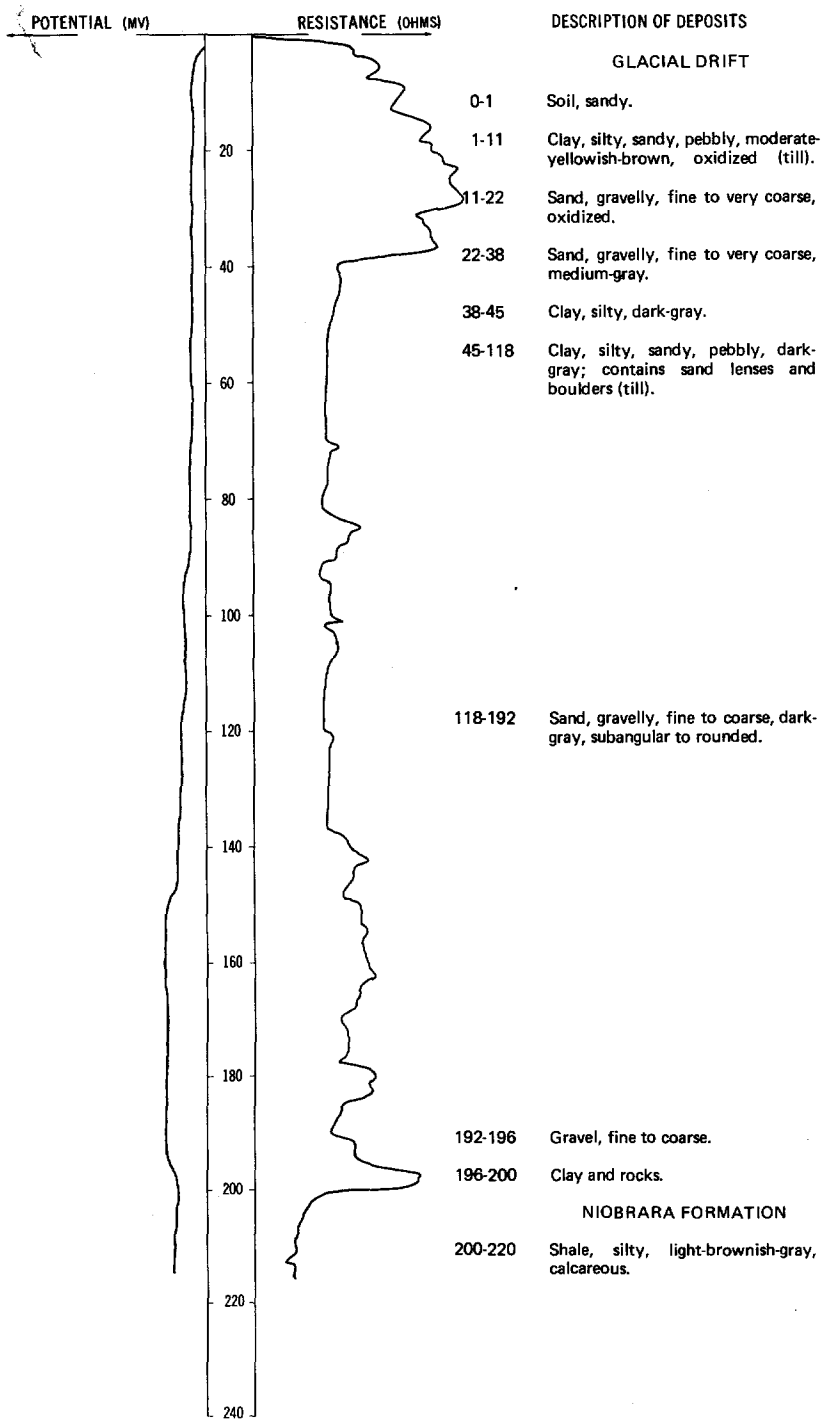
ALTITUDE: 1373  
(FT, NGVD)

DEPTH: 220  
(FT)



LOCATION: 132-058-21BBB1, 2  
 ALTITUDE: 1335  
 (FT, NGVD)

DATE DRILLED: 5/20/75  
 DEPTH: 220  
 (FT)



132-058-21BBC5  
(Log from Empire Irrigation & Drilling Co., Inc.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 9/10/75	
		THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand and gravel-----	34	36
	Till, gray-----	114	150
	Sand, fine-----	28	178
	Shale-----	2	180

132-058-21BBC6  
(Log from M & W Exploration & Water Well Inc.)

		Date drilled: 7/11/77	
	Topsoil-----	1	1
	Gravel and clay, brown-----	17	18
	Gravel, fine, gray-----	26	44
	Till, clay, gray-----	37	81
	Till, gravelly-----	16	97
	Clay (till)-----	63	160

132-058-21BBD2  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 9/10/75	
	Topsoil-----	2	2
	Clay, sandy-----	23	25
	Clay and gravel-----	10	35
	Gravel-----	10	45
	Till, gray-----	130	175
	Shale-----	5	180

132-058-21BBD4  
(Log from M & W Exploration & Water Well Inc.)

		Date drilled: 7/11/77	
	Topsoil-----	1	1
	Clay, brown, oxidized; with lenses of medium sand-----	31	32
	Sand and gravel, medium to coarse; highly oxidized from 32 to 37 feet-----	15	47
	Till, gravelly, soft, plastic-----	39	86
	Gravel, medium, clean-----	3	89
	Till, gravelly, soft, plastic-----	53	142
	Sand and gravel, medium to coarse, clean-----	7	149
	Gravel and sand, clayey; cobbles-----	27	176
	Silt, light-gray; gravel scattered throughout-----	14	190

132-058-21CAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1330 feet	Date drilled: 10/15/74	
	Topsoil-----	2	2
	Till, yellow-----	19	21
	Till, gray-----	9	30
	Gravel-----	1	31
	Till, gray-----	19	50
	Gravel-----	3	53
	Till, gray-----	7	60

132-058-21CBC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/15/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Till, yellow-----	13	15
	Till, gray-----	16	31
	Sand-----	3	34
	Till, gray-----	26	60

132-058-21CCB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 9/12/75

	Topsoil-----	2	2
	Till, yellow-----	13	15
	Till, gray-----	10	25
	Gravel-----	3	28
	Till-----	12	40

132-058-21CCC1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 5/21/75

	Topsoil-----	2	2
	Till, yellow-----	23	25
	Till, gray-----	20	45
	Sand-----	1	46
	Till, gray-----	34	80

132-058-21CCC2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1350 feet

Date drilled: 9/10/75

	Topsoil-----	2	2
	Till, yellow-----	13	15
	Till, gray-----	15	30
	Sand and clay-----	7	37
	Clay-----	3	40

132-058-21CDC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1340 feet

Date drilled: 9/14/74

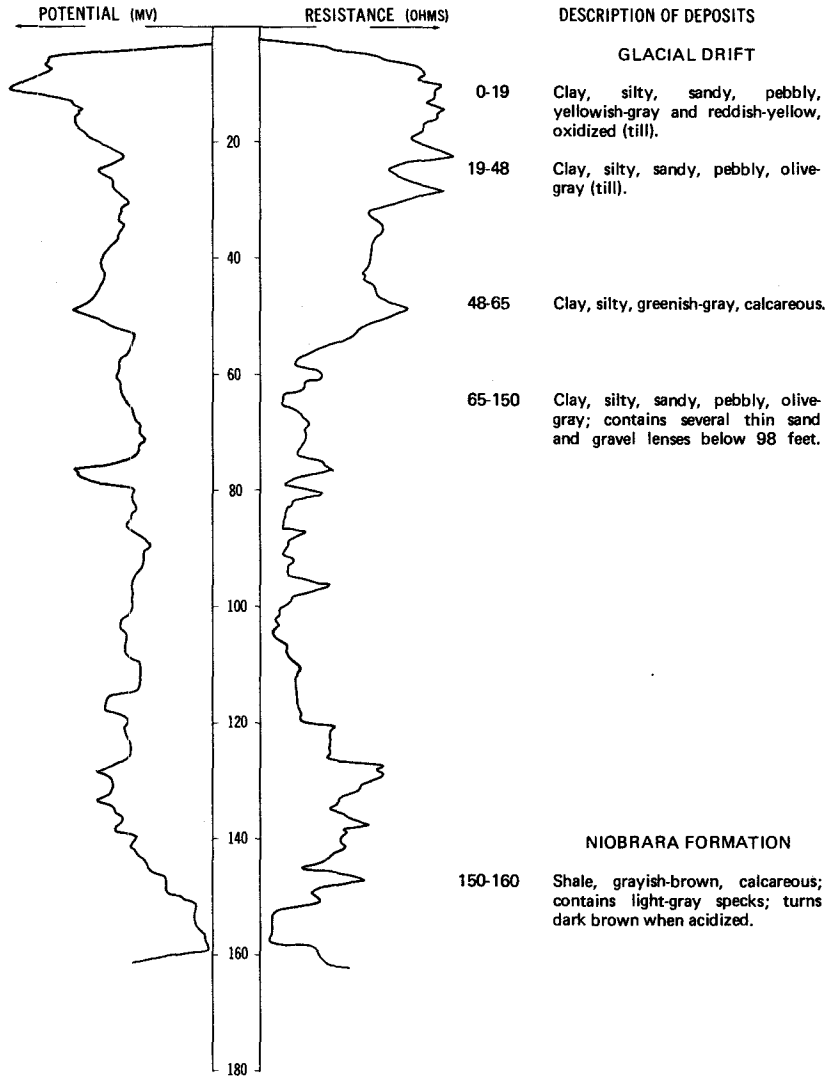
	Topsoil-----	2	2
	Clay, yellow-----	16	18
	Till, gray-----	42	60

LOCATION: 132-058-22AAA

DATE DRILLED: 6/10/76

ALTITUDE: 1343  
(FT, NGVD)

DEPTH: 160  
(FT)



132-058-22DDD  
USBR W-1

Altitude: 1311 feet

Date drilled: 10/19/66

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

Glacial drift:

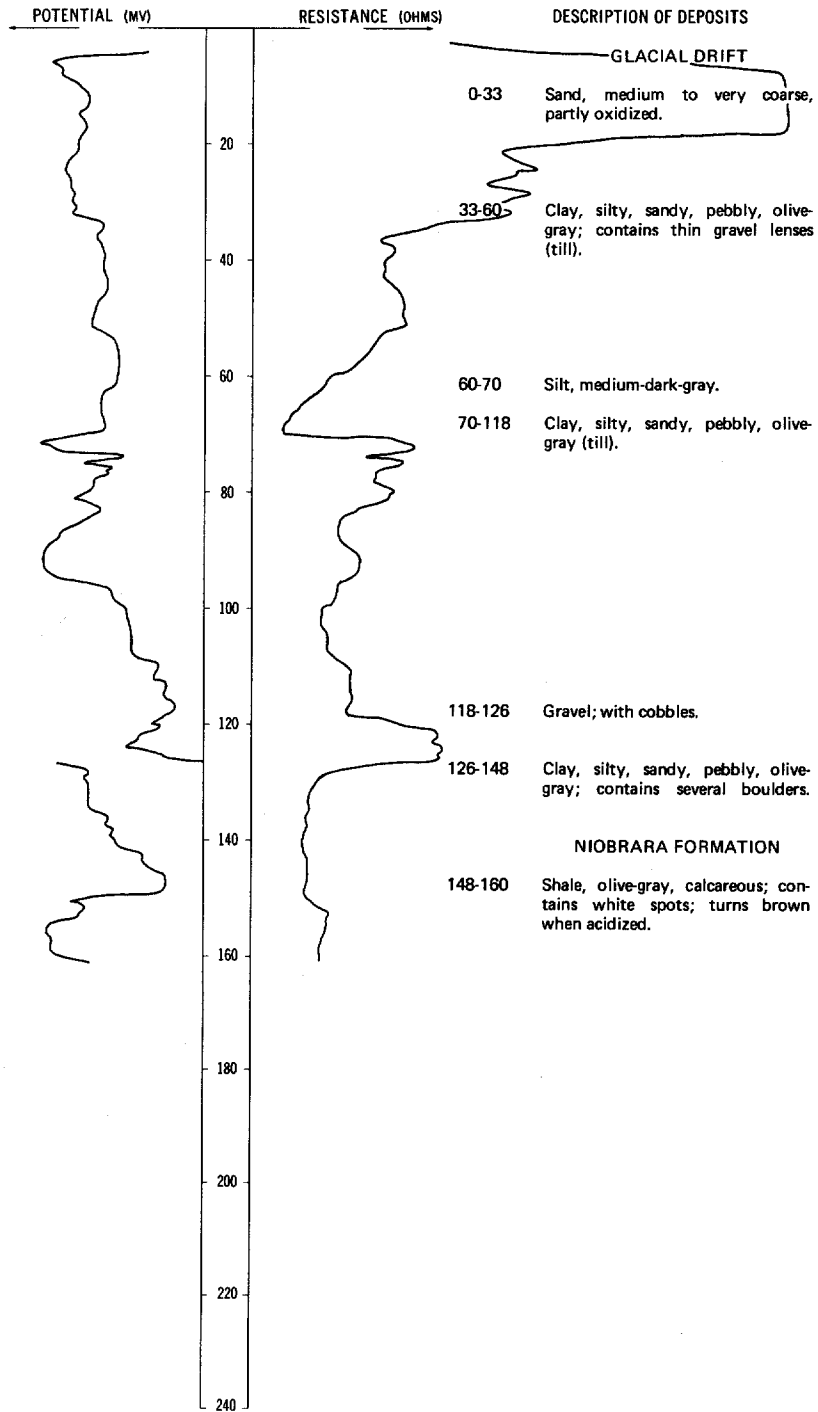
Loam, sandy	5	5
Clay	2	7
Loam, sandy	5	12
Clay, silty, sandy (till)	8	20

LOCATION: 132-058-24AAA1, 2

DATE DRILLED: 5/28/75

ALTITUDE: 1323  
(FT, NGVD)

DEPTH: 160  
(FT)



132-058-24BAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1315 feet	Date drilled:	10/15/74
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand; shale pebbles-----	28	30
	Sand, medium-----	23	53
	Silt-----	17	70
	Till, gray-----	11	81
	Gravel-----	4	85
	Till, gray-----	13	98
	Sand and gravel-----	27	125

132-058-24BBD1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1315 feet	Date drilled:	11/01/74
	Topsoil-----	2	2
	Sand and shale pebbles-----	28	30
	Sand, medium to coarse-----	26	56
	Clay, silty-----	---	56

132-058-24BBD2  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/10/76
	Topsoil-----	2	2
	Sand, fine-----	53	55
	Till, gray-----	20	75
	Sand and gravel-----	42	117

132-058-24CCA  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/20/76
	Topsoil-----	2	2
	Sand, fine-----	50	52
	Till, gray-----	21	73
	Sand and gravel-----	48	121

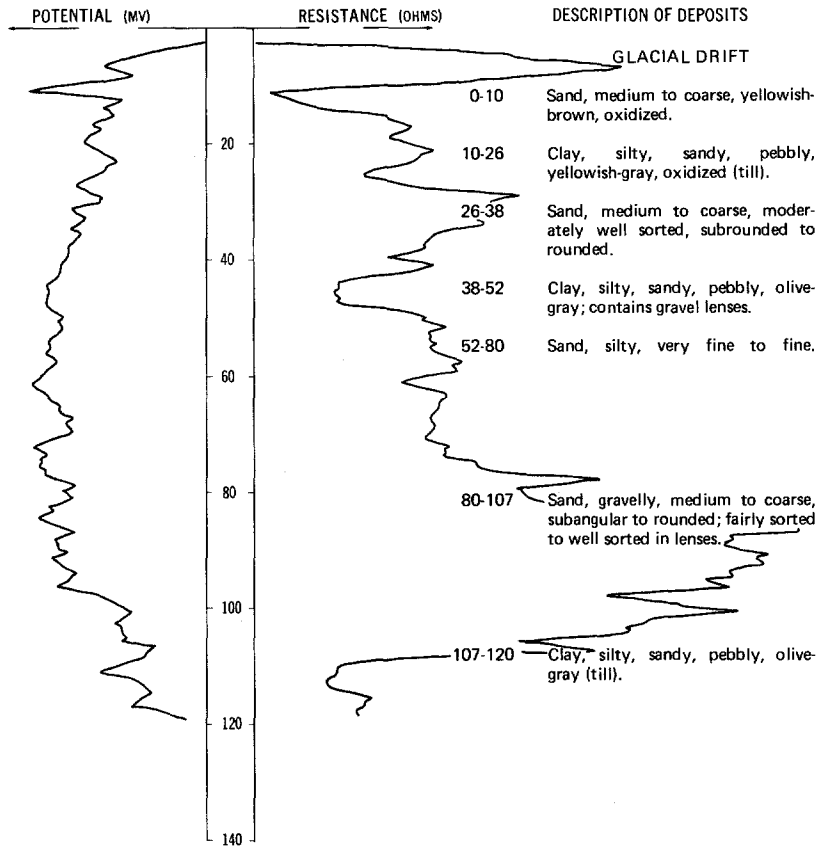


LOCATION: 132-058-24DDD1

DATE DRILLED: 6/09/76

ALTITUDE: 1313  
(FT, NGVD)

DEPTH: 120  
(FT)



132-058-24DDD2  
USBR W-10

Altitude: 1312 feet

Date drilled: 10/20/66

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

Glacial drift:

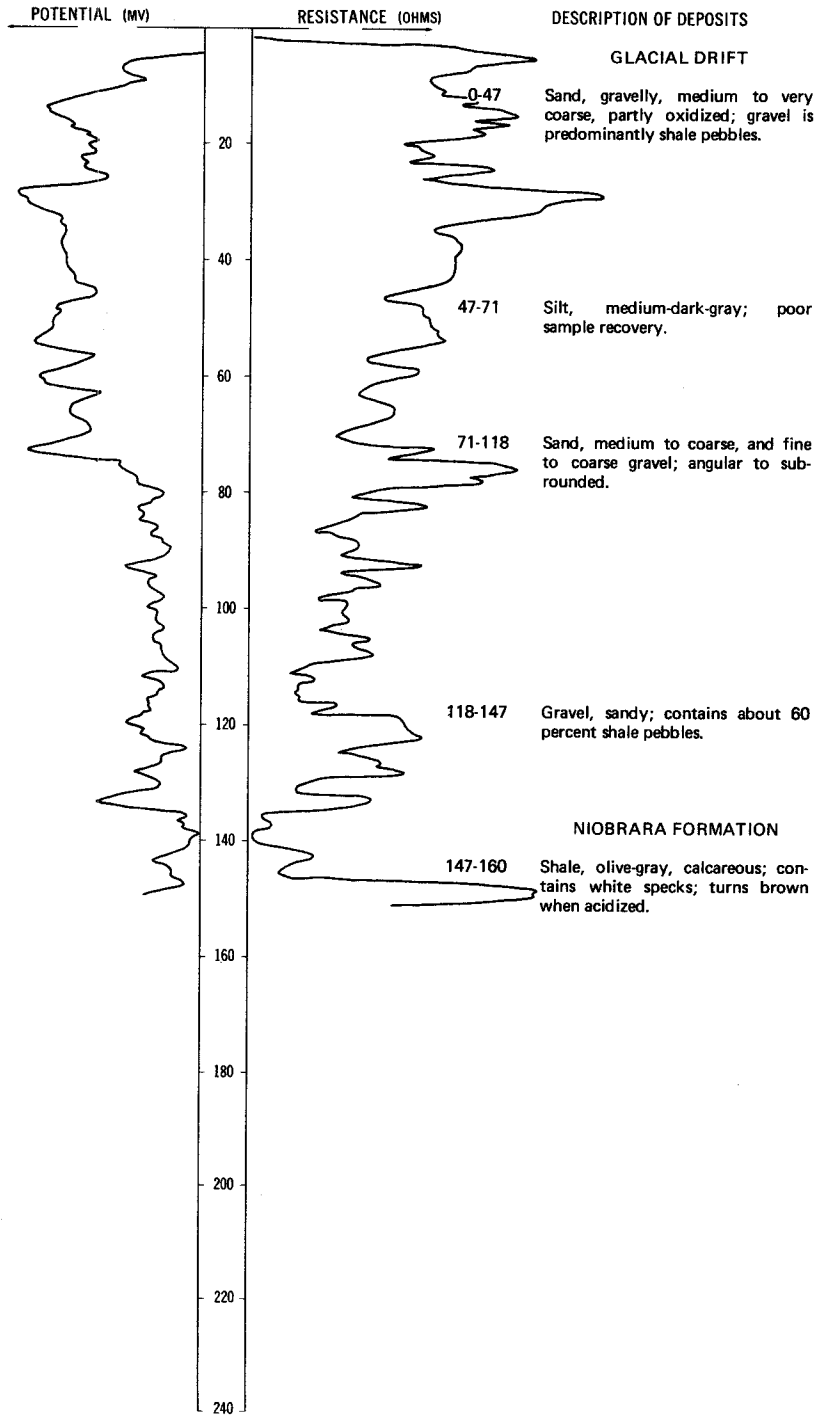
Loam, sandy	4	4
Sand, fine	4	8
Sand	7	15
Clay, silty (till)	5	20

LOCATION: 132-058-26AAA1, 2

DATE DRILLED: 5/28/75

ALTITUDE: 1308  
(FT, NGVD)

DEPTH: 160  
(FT)



132-058-26AAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/08/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand-----	44	45
	Clay, blue-----	25	70
	Sand and gravel-----	65	135
	Clay, blue-----	---	135

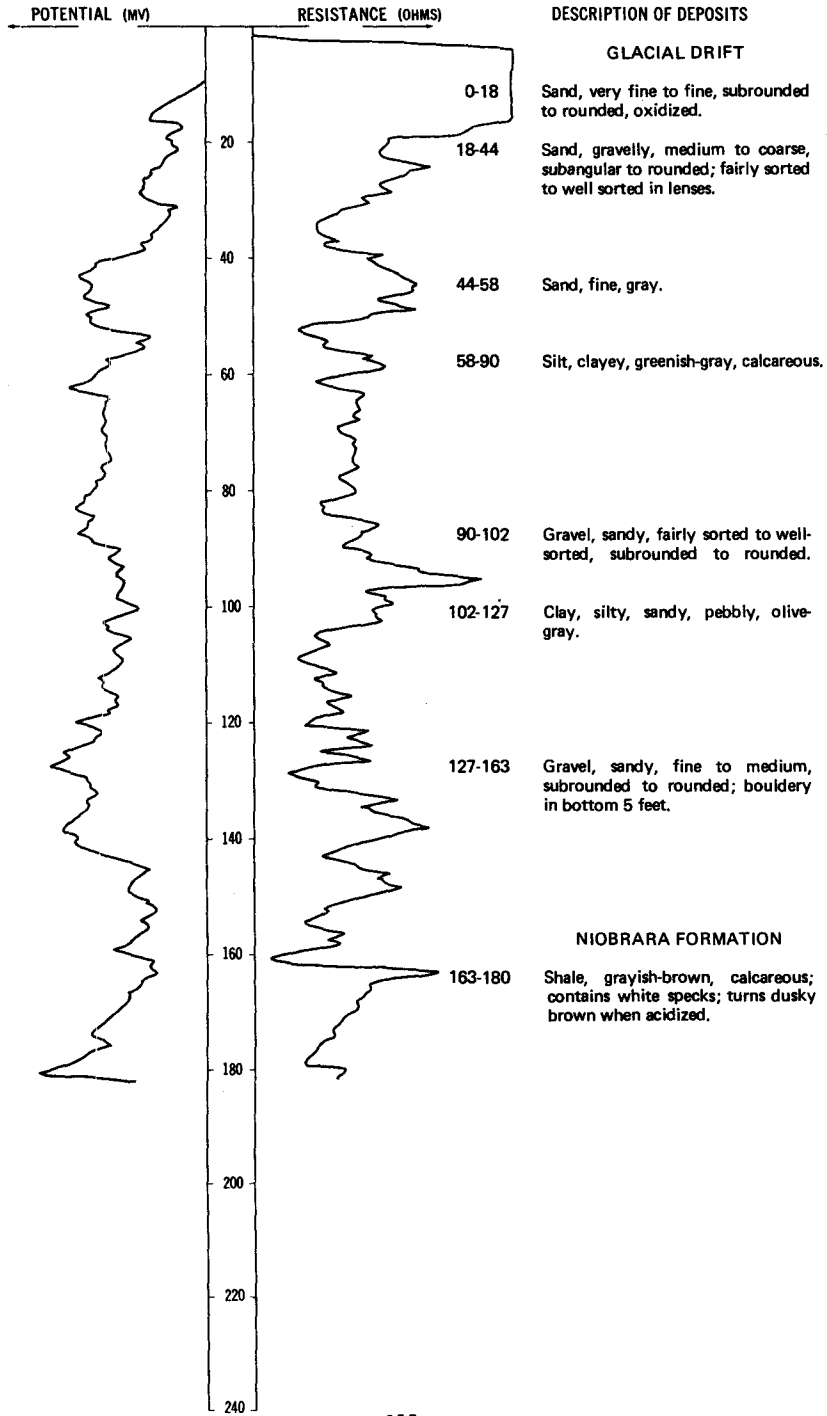
132-058-33CC  
(Log from K & K Drilling, Inc.)

Date drilled: 5/23/77

	Topsoil-----	1	1
	Clay, yellow-----	14	15
	Sand, fine, yellow-----	2	17
	Clay, yellow-----	2	19
	Sand, fine, white-----	16	35
	Clay, blue-----	---	35

LOCATION: 132-058-35AAA1, 2  
 ALTITUDE: 1320  
 (FT, NGVD)

DATE DRILLED: 6/09/76  
 DEPTH: 180  
 (FT)



132-058-36CCC  
USBR W-12

Altitude: 1310 feet

Date drilled: 10/20/66

GEOLOGIC  
SOURCE MATERIAL

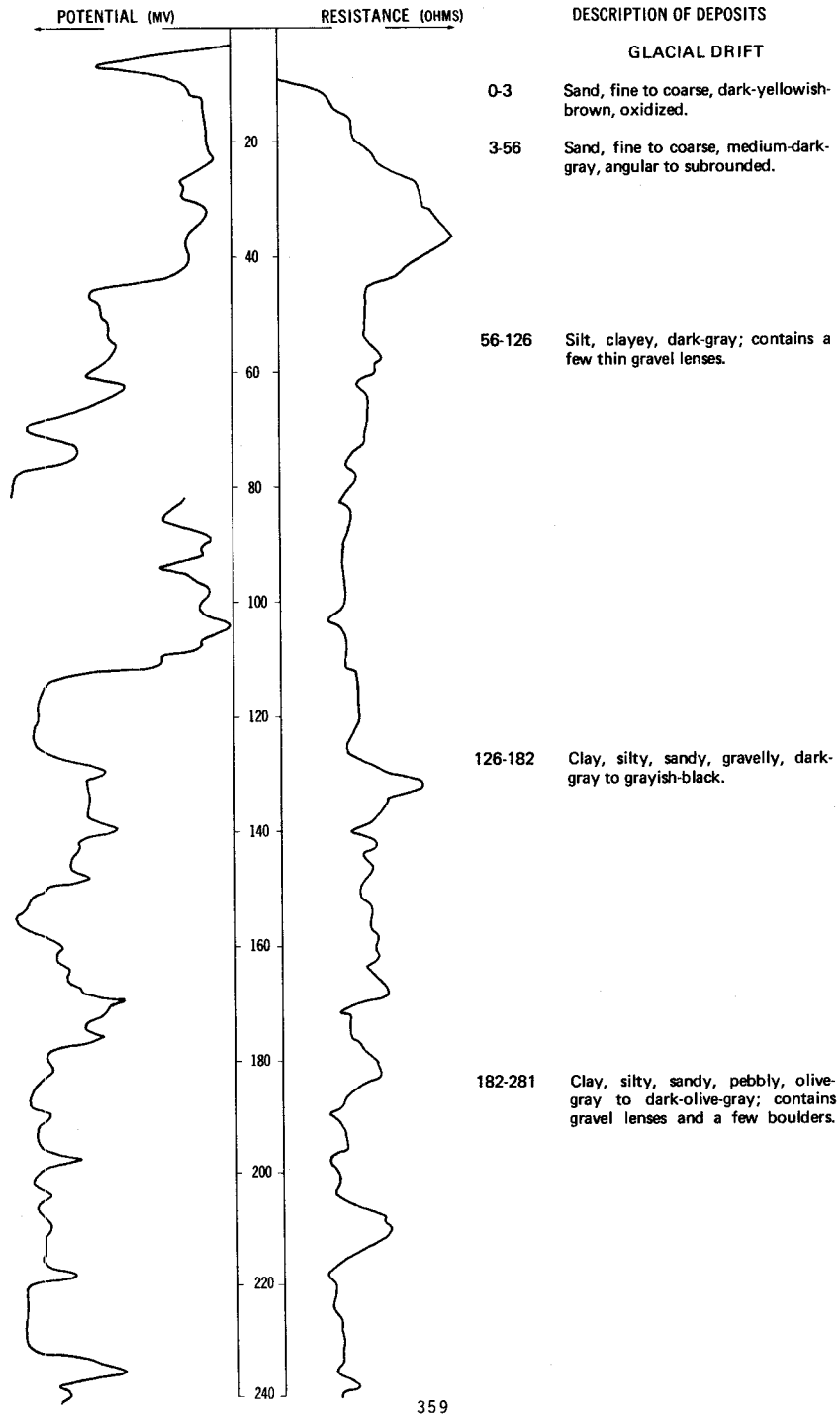
THICKNESS  
(FEET) DEPTH  
(FEET)

Glacial drift:

Loam, sandy	1	1
Sand, very fine	3	4
Sand, fine	21	25

LOCATION: 133-053-11BBB1, 2  
ALTITUDE: 1075  
(FT, NGVD)

DATE DRILLED: 12/12/74  
DEPTH: 300  
(FT)

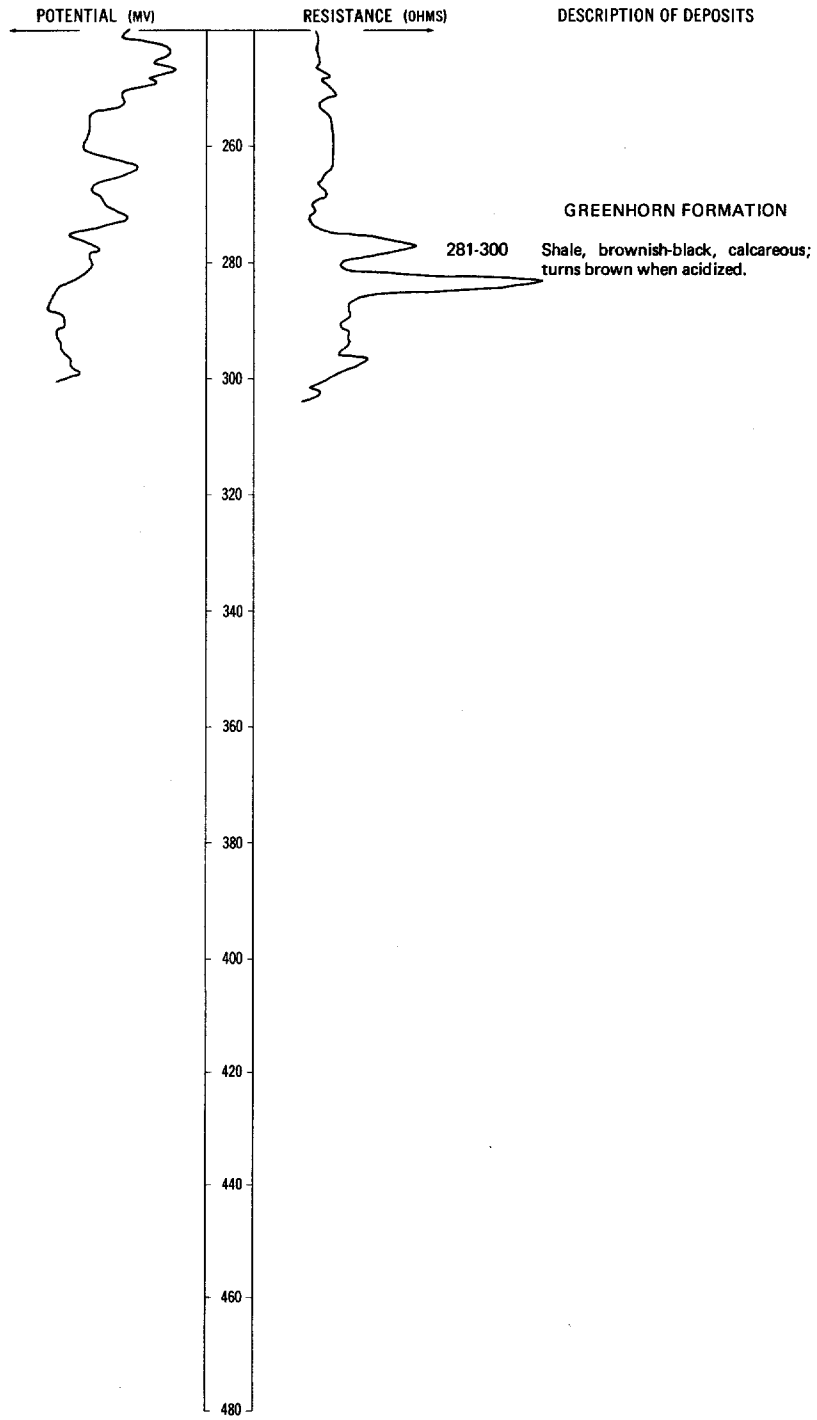


LOCATION: 133-053-11BBB1.2

DATE DRILLED: 12/12/74

ALTITUDE: 1075  
(FT, NGVD)

DEPTH: 300  
(FT)

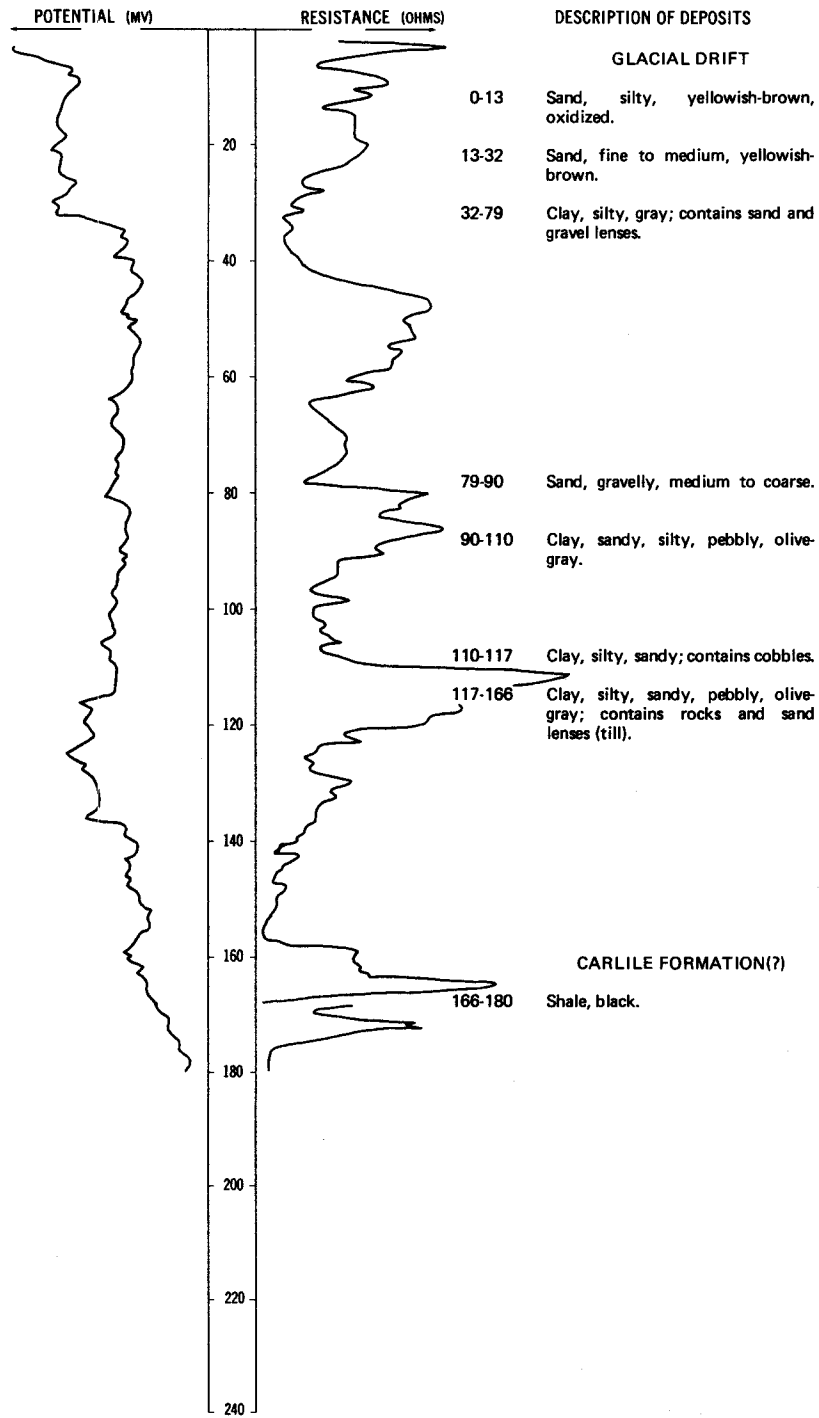


LOCATION: 133-053-20888

DATE DRILLED: 9/29/77

ALTITUDE: 1072  
(FT, NGVD)

DEPTH: 180  
(FT)



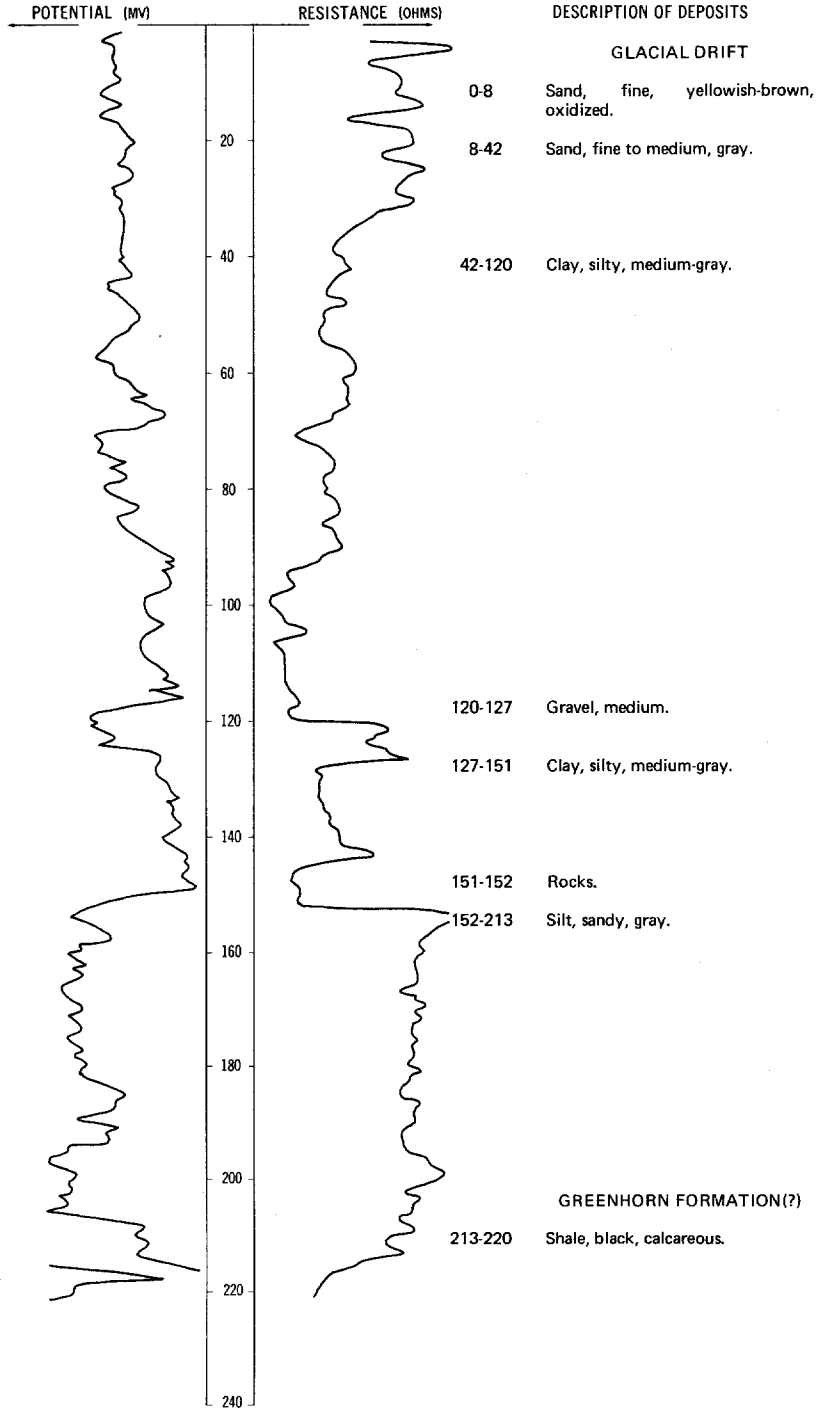


LOCATION: 133-053-21BBB

DATE DRILLED: 9/29/77

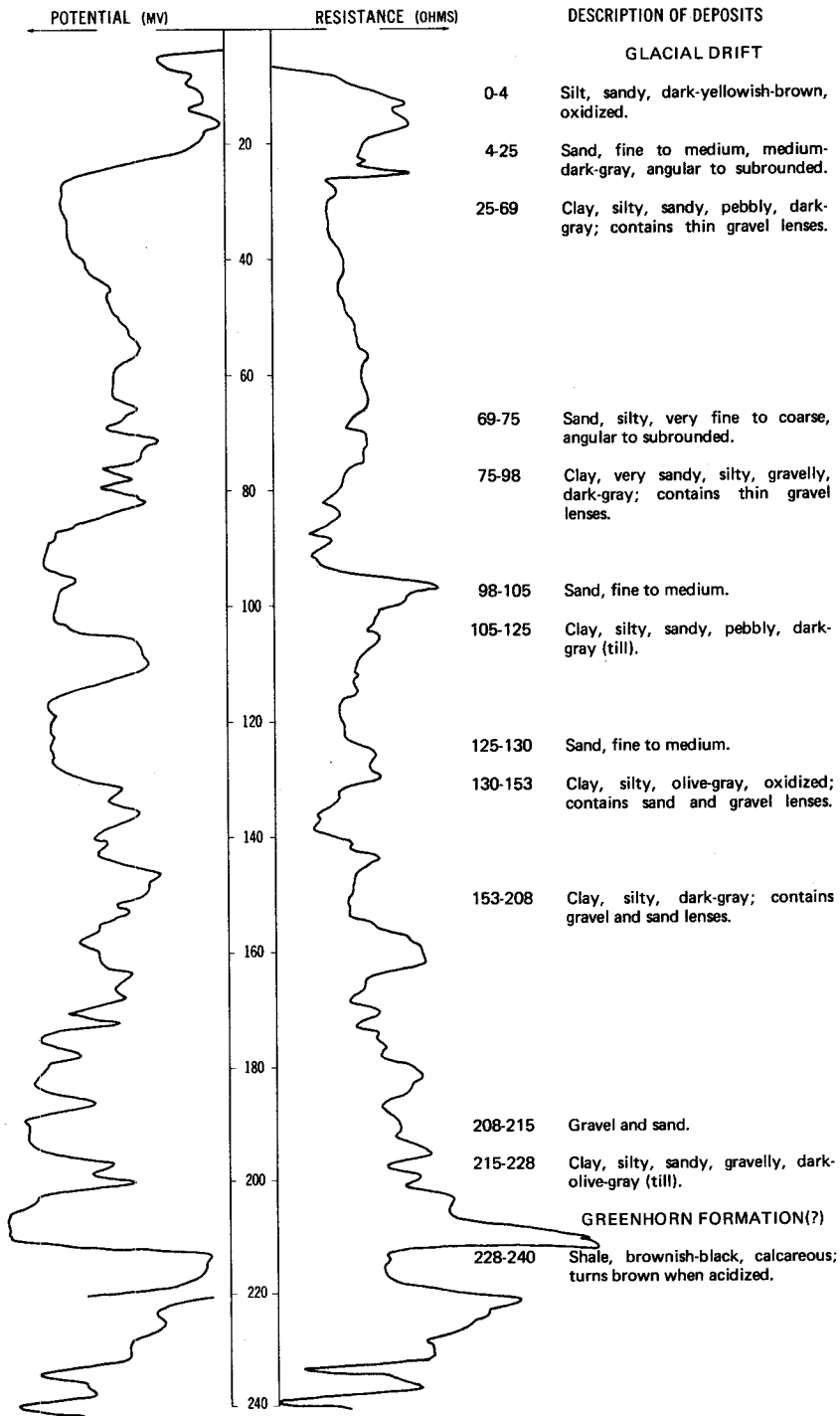
ALTITUDE: 1070  
(FT, NGVD)

DEPTH: 220  
(FT)



LOCATION: 133-053-35BBB  
 ALTITUDE: 1066  
 (FT, NGVD)

DATE DRILLED: 12/12/74  
 DEPTH: 240  
 (FT)



133-054-01BBD1  
(Log from Green Circle Supply Co.)

Date drilled: 2/28/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1.5	1.5
	Sand, fine, silty, brown-----	2.5	4
	Sand, medium to coarse; gravel lenses; oxidized; shale float-----	8	12
	Gravel, pea-size, clean, round-----	2	14
	Sand, coarse, and medium gravel; shale float-----	6	20
	Sand, medium, gray; 50 percent shale float 1/4 inch or larger; lignite chunks-----	5	25
	Sand, gray; some fine-----	3	28
	Till, clay, sandy, gray, soft-----	12	40
	Clay, silty, gray, soft, moist-----	41	81
	Sand, medium to fine, gray; confined within layers of soft smooth clay-----	19	100
	Till, gray, medium-firm, moist-----	38	138

133-054-01BBD2  
(Log from Green Circle Supply Co.)

Date drilled: 7/23/76

	Topsoil, sandy-----	2	2
	Gravel, coarse, oxidized-----	10	12
	Gravel, coarse, gray, clean-----	17	29

133-054-01BBD3  
(Log from Green Circle Supply Co.)

Date drilled: 8/02/76

	Topsoil, sandy-----	1	1
	Sand, coarse, oxidized-----	7	8
	Gravel, coarse-----	4	12
	Gravel, medium, gray-----	8	20
	Gravel, coarse, clean-----	12	32

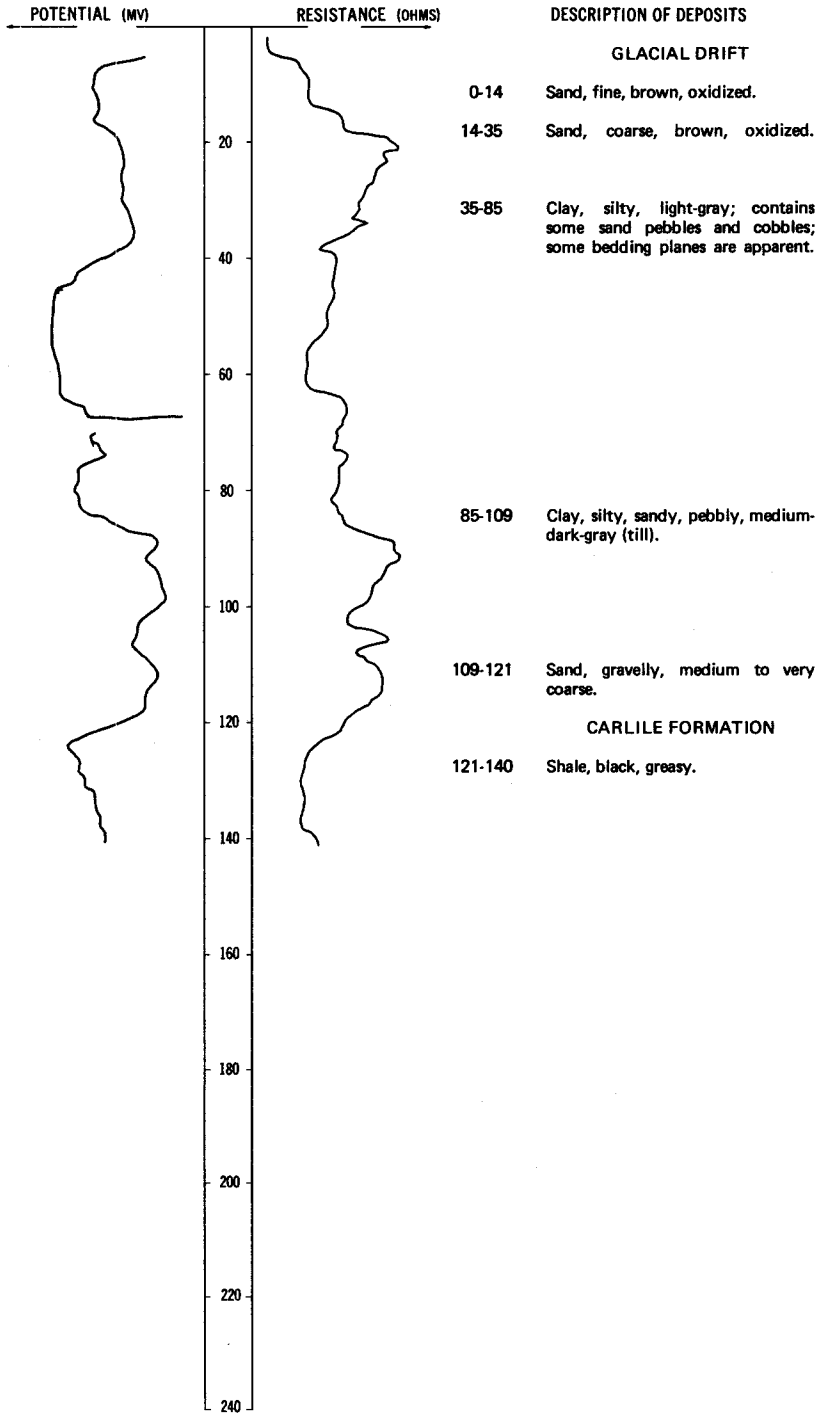
133-054-03BBD  
(Log from Green Circle Supply Co.)

Date drilled: 12/15/76

	Gravel, coarse, oxidized-----	17	17
	Gravel and clay, gray-----	30	47
	Gravel, coarse, clean-----	3	50
	Clay, gravelly; some thin fine sand lenses-----	30	80

LOCATION: 133-054-03DDD1, 2  
 ALTITUDE: 1075  
 (FT, NGVD)

DATE DRILLED: 9/15/77  
 DEPTH: 140  
 (FT)

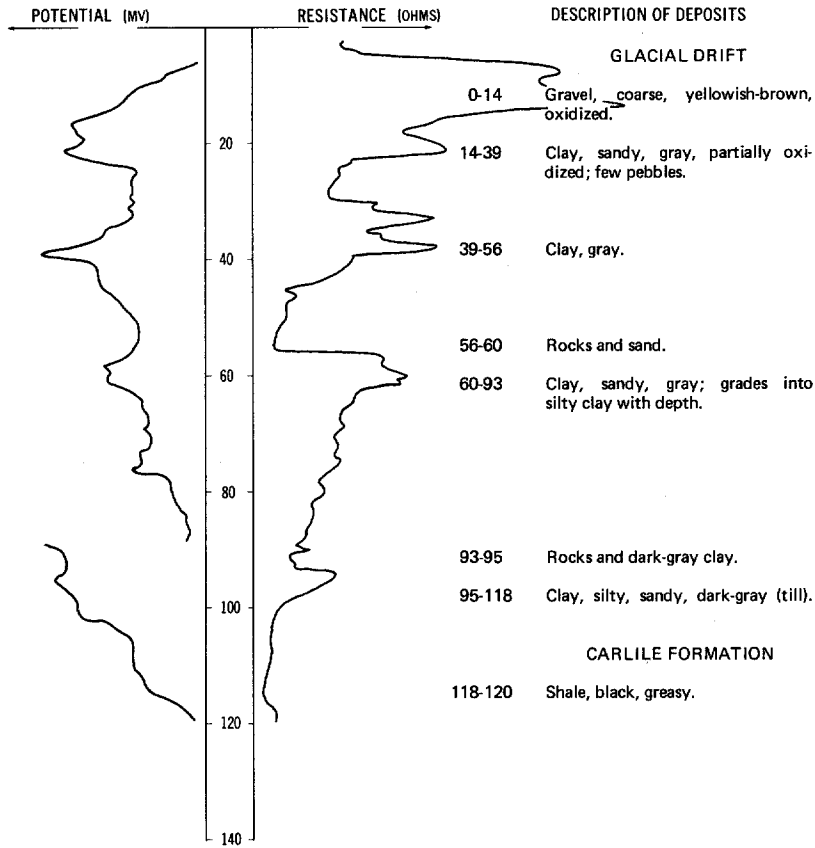


LOCATION: 133-054-04888

DATE DRILLED: 10/10/77

ALTITUDE: 1103  
(FT, NGVD)

DEPTH: 120  
(FT)



133-054-04CAC  
(Log from Green Circle Supply Co.)

Date drilled: 8/14/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil	2	2
	Gravel, medium, oxidized	16	18
	Sand, coarse, gray; some pebbles	8	26
	Clay, gray; thin sand lens	12	38
	Gravel, coarse, clean	1	39
	Clay, hard	3	42
	Sand, medium, dirty	13	55
	Clay, gravelly	5	60

133-054-04CDA  
(Log from Green Circle Supply Co.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 8/14/76	
		THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, fine, oxidized-----	6	7
	Sand, medium, gray-----	10	17
	Clay; thin sand lens-----	16	33
	Gravel, coarse, clean-----	1	34
	Clay, gravelly-----	6	40

133-054-04DAC  
(Log from Green Circle Supply Co.)

		Date drilled: 10/26/76	
	Topsoil-----	1	1
	Sand, clayey, brown-----	10	11
	Sand, clayey, gray-----	6	17
	Gravel, medium, sandy-----	32	49
	Sand, fine to very fine, water-----	9	58
	Gravel, medium to coarse-----	19	77

133-054-04DBB  
(Log from Green Circle Supply Co.)

		Date drilled: 8/14/76	
	Topsoil-----	1	1
	Gravel, coarse, oxidized-----	4	5
	Gravel, medium, oxidized-----	3	8
	Sand, medium, cemented-----	2	10
	Gravel, fine, oxidized, dirty-----	5	15
	Sand, medium-----	3	18
	Clay, gravelly, hard-----	17	35
	Gravel, medium, clean-----	1	36
	Sand, fine, gray; thin clay lens-----	14	50
	Clay, gravelly-----	---	50

133-054-04DBC  
(Log from Green Circle Supply Co.)

		Date drilled: 8/14/76	
	Topsoil-----	3	3
	Sand, silty, brown-----	5	8
	Gravel, medium; oxidized spots-----	5	13
	Gravel, medium, fairly clean-----	8	21
	Sand, very fine, gray-----	19	40

133-054-04DBD  
(Log from Green Circle Supply Co.)

		Date drilled: 8/14/76	
	Topsoil-----	1	1
	Sand, medium, oxidized-----	12	13
	Gravel, medium, oxidized-----	11	24
	Gravel, fine to medium, clean-----	7	31
	Clay, gravelly-----	4	35

133-054-04DDA  
(Log from Green Circle Supply Co.)

Date drilled: 8/14/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand, silty, clayey-----	8	10
	Sand, medium, oxidized-----	3	13
	Gravel, fine to medium, oxidized-----	10	23
	Gravel, medium, gray, clean-----	23	46
	Clay, gray; medium gravel lens-----	9	55

133-054-04DDC  
(Log from Green Circle Supply Co.)

Date drilled: 10/16/76

	Topsoil-----	2	2
	Sand, silty, clayey-----	8	10
	Sand, medium, oxidized-----	3	13
	Gravel, fine to medium, oxidized-----	10	23
	Gravel, medium, clean-----	23	46

133-054-04DDD  
NDSWC 1247

Altitude: 1087 feet

Date drilled: 11/05/57

	Topsoil, sandy, black-----	1	1
	Gravel, fine to coarse; cobblestones-----	10	11
	Gravel, fine to medium, and fine to coarse sand-----	36	47
	Gravel, fine to coarse; pebbles-----	4	51
	Till, gray clay, fine to medium gravel, and shale pebbles-----	48	99
	Shale, dark-gray (Cretaceous)-----	6	105

133-054-05BCA  
(Log from Green Circle Supply Co.)

Date drilled: 10/01/76

	Gravel, coarse, oxidized-----	18	18
	Clay, gray, soft-----	22	40

133-054-05BCC  
(Log from Green Circle Supply Co.)

Date drilled: 10/01/76

	Topsoil-----	1	1
	Gravel, coarse, oxidized-----	22	23
	Clay, brown, soft-----	9	32
	Clay, gray, hard-----	22	54
	Clay, gray, hard; thin lens of medium sand-----	21	75

133-054-05BCD  
(Log from Green Circle Supply Co.)

Date drilled: 10/01/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Gravel, coarse, oxidized-----	29	30
	Clay, soft-----	12	42
	Gravel, medium, dirty; thin lens of hard clay-----	22	64
	Clay, gray, pebbly, hard-----	11	75

133-054-05BDB  
(Log from Green Circle Supply Co.)

Date drilled: 10/01/76

	Topsoil-----	1	1
	Gravel, coarse, oxidized-----	27	28
	Clay, soft-----	32	60

133-054-05DBD  
(Log from Green Circle Supply Co.)

Date drilled: 1/22/76

	Topsoil-----	1	1
	Sand and gravel; coarse to fine sand with gravel aggregate to 1 inch; brown; oxidized-----	20	21
	Till, clay, sandy, gray, soft-----	3	24
	Sand and gravel, coarse, gray; good configuration; some lignite fragments throughout-----	3	27
	Sand, medium to fine, gray; good water sand-----	15	42
	Gravel, pea-sized, sandy, silty-----	2	44
	Sand and silt, fine, clayey, soft, saturated-----	20	64
	Clay (till), sandy, gray, firm, moist-----	16	80

133-054-05DDC  
(Log from Green Circle Supply Co.)

Date drilled: 7/15/76

	Topsoil-----	1	1
	Sand, medium, oxidized-----	19	20
	Sand, fine to medium-----	19	39
	Sand, coarse; some fine gravel-----	8	47
	Gravel, coarse-----	26	73

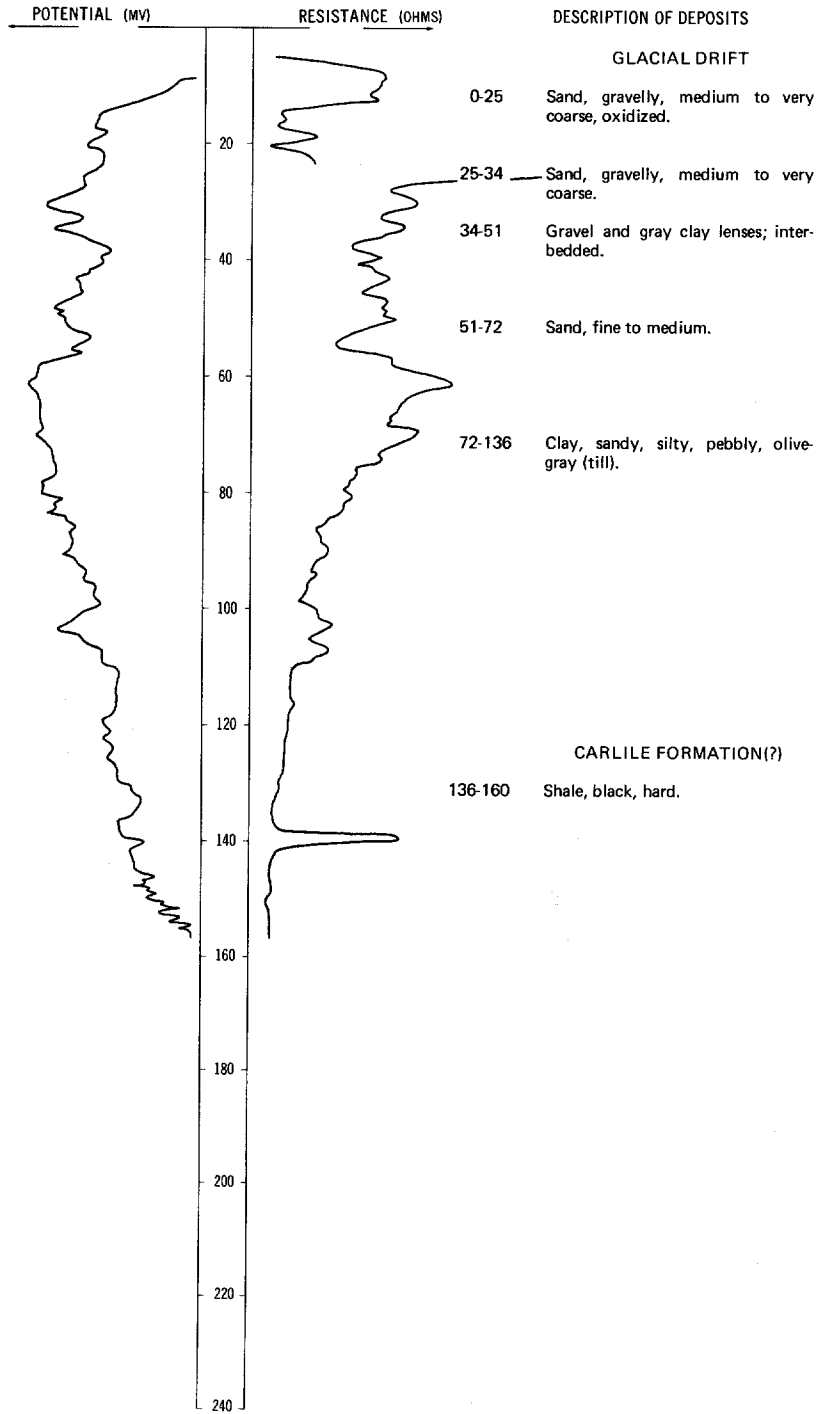


LOCATION: 133-054-07AAA

DATE DRILLED: 9/14/77

ALTITUDE: 1128  
(FT, NGVD)

DEPTH: 160  
(FT)



133-054-08ABC  
(Log from Green Circle Supply Co.)

		Date drilled:	8/11/76
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	1	1
	Sand, medium, oxidized.....	11	12
	Sand, coarse, gray.....	6	18
	Sand, coarse; taking water.....	5	23
	Gravel, fine, very clean.....	34	57

133-054-08ACA  
(Log from Green Circle Supply Co.)

		Date drilled:	8/11/76
	Topsoil.....	4	4
	Sand, fine, gray.....	20	24
	Clay, gray, hard.....	12	36
	Sand, medium to coarse.....	4	40
	Gravel, coarse, very clean.....	7	47

133-054-08BBB  
(Log from Green Circle Supply Co.)

		Date drilled:	7/16/76
	Topsoil.....	1	1
	Sand, fine to medium, oxidized.....	9	10
	Sand, medium to coarse; some fine; oxidized.....	20	30
	Gravel, fine, oxidized; changing to gray at 38 feet.....	10	40
	Gravel, fine to medium, gray, well-rounded.....	15	55

133-054-08DAA  
(Log from Green Circle Supply Co.)

		Date drilled:	8/11/76
	Topsoil.....	2	2
	Sand, silty.....	7	9
	Sand, fine.....	2	11
	Gravel, coarse, clean.....	3	14
	Clay, gravelly.....	26	40

133-054-08DAB  
(Log from Green Circle Supply Co.)

		Date drilled:	7/17/76
	Topsoil.....	1	1
	Gravel, coarse, oxidized.....	9	10
	Gravel, fine, pebbly.....	5	15
	Gravel, fine, oxidized.....	7	22
	Sand, fine, gray.....	2	24
	Clay, gravelly.....	6	30

133-054-08DAC  
(Log from Green Circle Supply Co.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 7/17/76	
		THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, fine; some gravel-----	7	8
	Gravel, medium-----	13	21
	Clay, gravelly, soft; becoming hard at 34 feet-----	20	41

133-054-08DAD  
(Log from Green Circle Supply Co.)

		Date drilled: 8/11/76	
	Topsoil-----	1	1
	Sand, fine-----	7	8
	Clay, brown-----	6	14
	Clay, gravelly, gray-----	9	23
	Clay, gray, hard-----	7	30

133-054-08DBC  
(Log from Green Circle Supply Co.)

		Date drilled: 7/17/76	
	Topsoil-----	1	1
	Gravel, medium, oxidized-----	8	9
	Gravel, medium, gray, clean-----	13	22
	Sand, fine, gray-----	3	25
	Sand, silty, dirty-----	6	31
	Clay, hard-----	4	35

133-054-08DCB  
(Log from Green Circle Supply Co.)

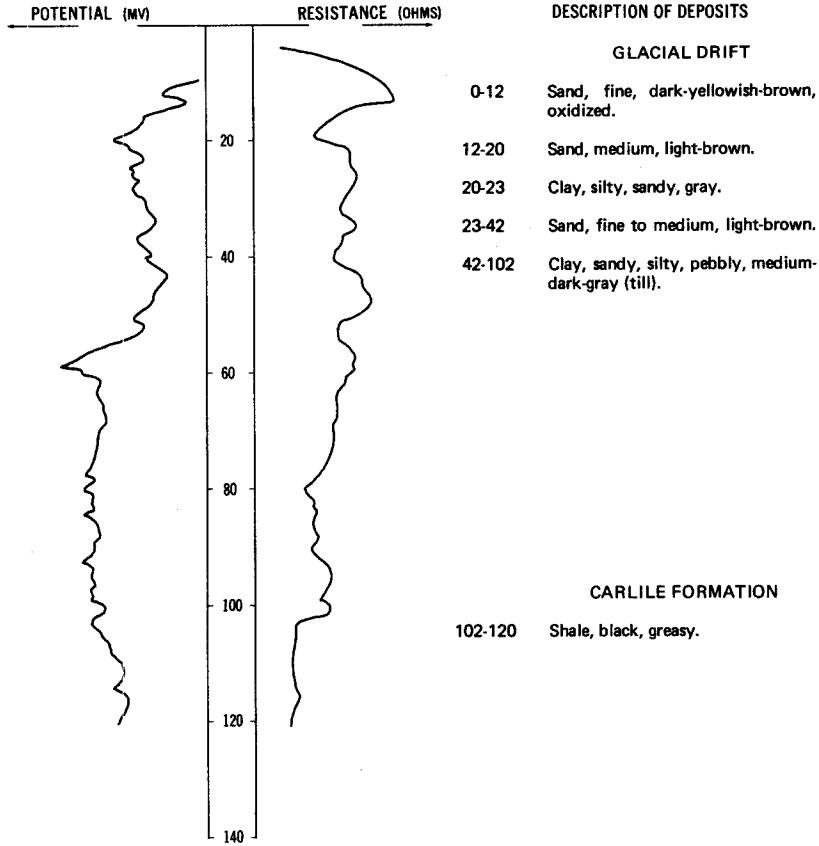
		Date drilled: 8/11/76	
	Gravel, coarse, oxidized-----	12	12
	Clay, gravelly-----	8	20

133-054-08DDA  
(Log from Green Circle Supply Co.)

		Date drilled: 8/11/76	
	Topsoil-----	2	2
	Sand, fine-----	14	16
	Sand, medium, gray, dirty-----	5	21
	Clay, gravelly-----	16	37
	Till, gray-----	13	50

LOCATION: 133-054-09AAA  
 ALTITUDE: 1085  
 (FT, NGVD)

DATE DRILLED: 9/15/77  
 DEPTH: 120  
 (FT)



133-054-09BBB  
 NDSWC 9844

Altitude: 1100 feet

Date drilled: 12/15/76

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET)      DEPTH (FEET)

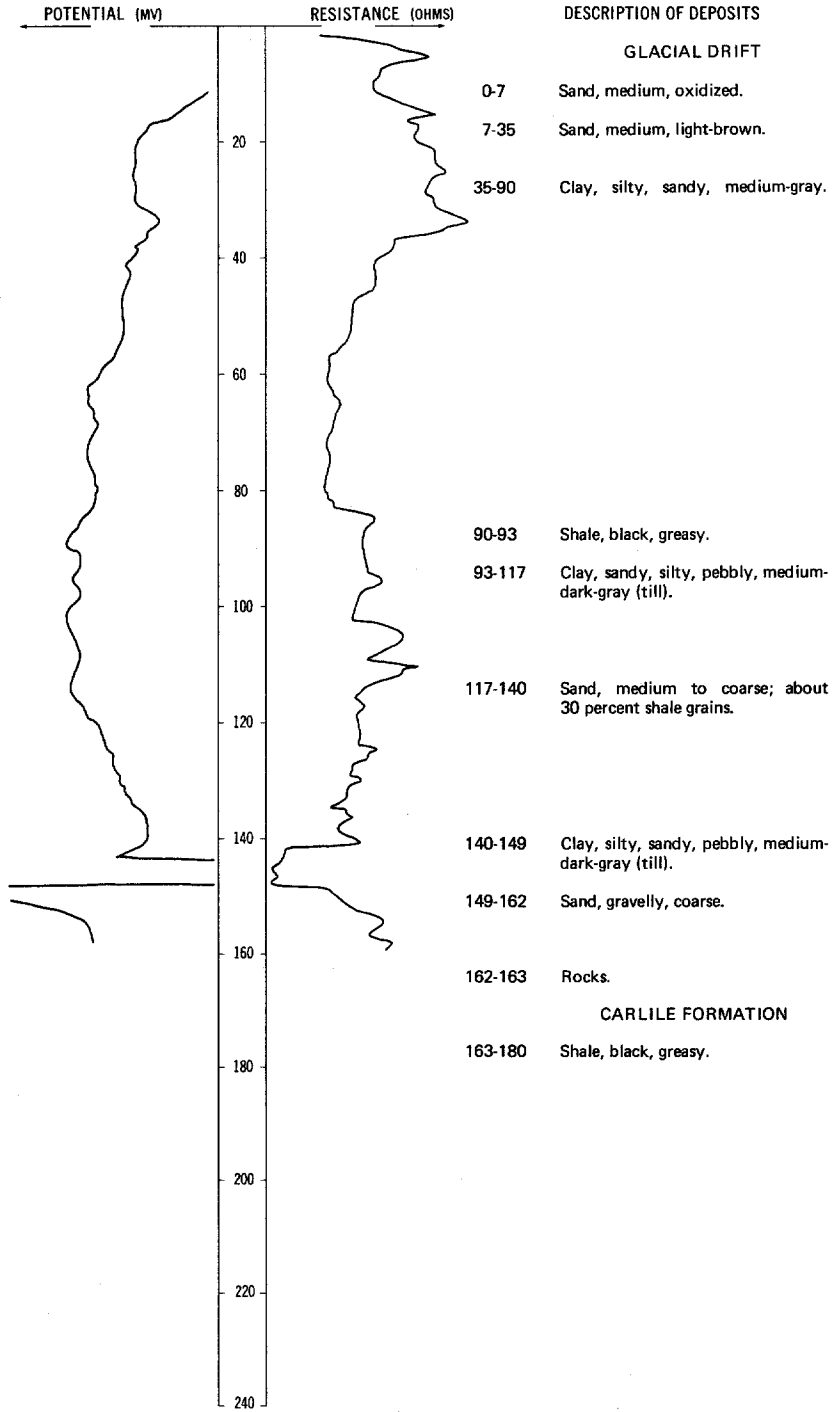
GEOLOGIC SOURCE MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:		
Sand, very fine to coarse	3	3
Clay, silty, black	4	7
Sand, very fine to coarse, predominantly fine, well-sorted	15	22
Sand, fine to very coarse, predominantly medium to coarse	24	46
Gravel	1	47
Clay, silty, sandy, brownish-gray to dark-brownish-gray	77	124
Carlile Formation:		
Shale, black, waxy, moderately soft	36	160

LOCATION: 133-054-12BBB1, 2

DATE DRILLED: 9/15/77

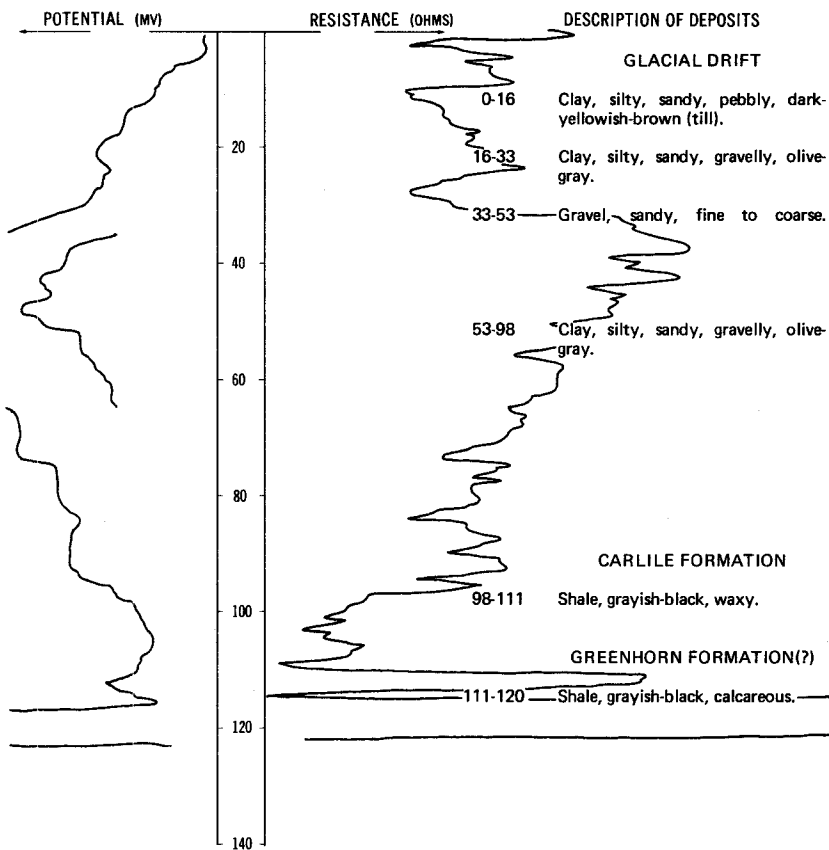
ALTITUDE: 1071  
(FT, NGVD)

DEPTH: 180  
(FT)



LOCATION: 133-054-16DDD  
 ALTITUDE: 1094  
 (FT, NGVD)

DATE DRILLED: 10/28/75  
 DEPTH: 120  
 (FT)



133-054-19CAC  
 (Log from Green Circle Supply Co.)

Date drilled: 9/23/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, fine to medium	2	2
	Clay, light-colored, soft	5	7
	Gravel, medium to coarse, oxidized	6	13
	Gravel, coarse, gray; takes water	23	36
	Sand, fine, gray	3	39
	Sand, coarse	3	42
	Clay, gravelly, hard, dry	8	50

133-054-19CBD  
(Log from Green Circle Supply Co.)

Date drilled: 9/23/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil; fine sand	12	12
	Gravel, medium, oxidized	3	15
	Gravel, medium, gray	8	23
	Clay, gravelly	4	27
	Gravel, medium, gray; taking water	5	32
	Clay, gravelly	26	58
	Sand, medium	2	60
	Clay, gravelly, hard	5	65

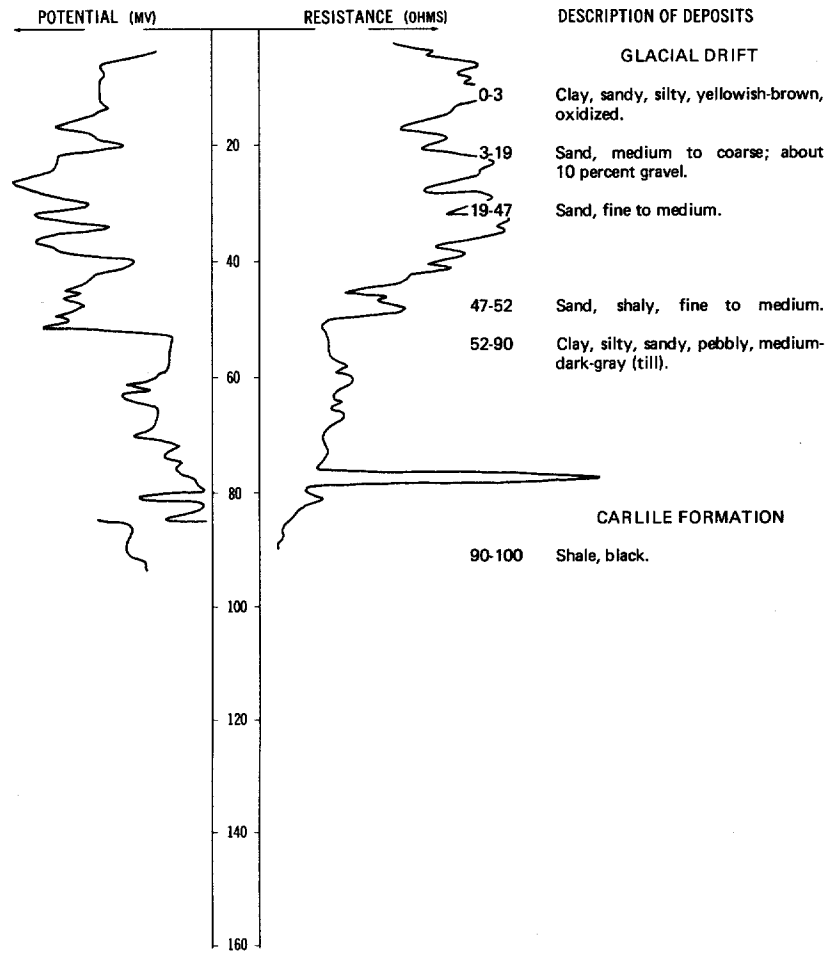
NDSWC 9975

LOCATION: 133-054-19CCC

DATE DRILLED: 9/13/77

ALTITUDE: 1117  
(FT, NGVD)

DEPTH: 100  
(FT)



133-054-22BBB  
NDSWC 1246

Altitude: 1095 feet

Date drilled: 11/04/57

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, sandy, black-----	1	1
	Sand-----	10	11
	Gravel and coal, fine to medium; with cobbles-----	5	16
	Gravel and coal, fine to medium-----	4	20
	Clay, sandy, brown-----	12	32

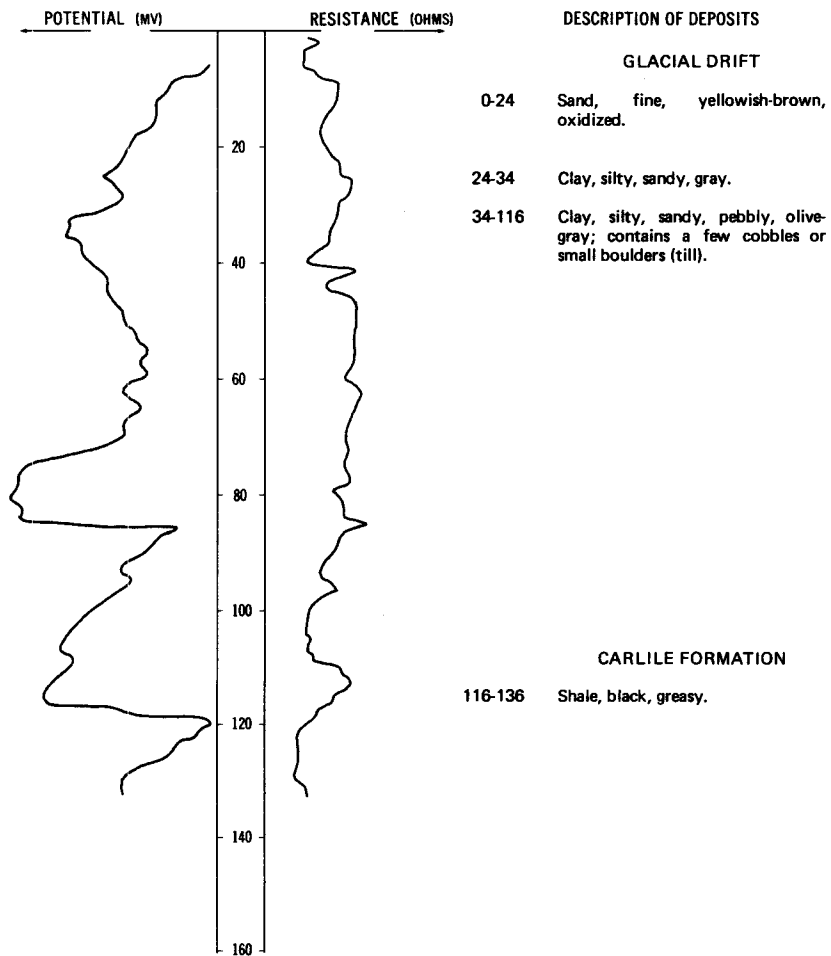
NDSWC 9984

LOCATION: 133-054-24AAA

DATE DRILLED: 9/15/77

ALTITUDE: 1070  
(FT, NGVD)

DEPTH: 136  
(FT)





133-054-25BBA  
(Log from Green Circle Supply Co.)

		Date drilled:	2/25/75
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, silty, brown; wind layered-----	2.5	3.5
	Clay, light-gray, smooth, soft; brownish oxidized lenses-----	4.5	8
	Sand, medium to fine, gray-----	2	10
	Sand, medium; brown and gray layered-----	8	18
	Gravel, pea-size, clean, rounded-----	2.5	20.5
	Till, clay, gray, soft-----	16.5	37
	Sand, fine, gray; shale flecks-----	3	40
	Sand, medium to coarse, clayey, silty, gray-----	5	45
	Till, gravelly, gray, oxidized; thin lenses of fine sand from 55 feet-----	15	60
	Till, sandy, gravelly, gray, soft-----	10	70
	Till, medium, gray, firm-----	10	80
	Till, gray; limestone chips; lignite chunks-----	16	96
	Shale, dark-gray, hard, moist-----	4	100

133-054-25BBD  
(Log from Green Circle Supply Co.)

		Date drilled:	2/21/75
	Topsoil-----	1	1
	Sand, silty, tan-----	5	6
	Clay, gray, soft-----	4	10
	Silt, fine, sandy, gray-----	9	19
	Gravel, medium, clayey-----	7	26
	Till, gray; some rocky zones-----	52	78
	Gravel, medium; rocky chunks-----	9	87
	Till, gray, moist, firm-----	13	100

133-054-26AAC  
(Log from Green Circle Supply Co.)

		Date drilled:	3/13/75
	Topsoil-----	1.5	1.5
	Sand, very fine, silty, brown-----	2.5	4
	Sand, fine, gray; shale float-----	6	10
	Sand, very fine, gray; shale float; cohesive when wet-----	20	30
	Sand, very fine, silty, clayey, gray; fine lignite parts with shale float-----	10.5	40.5
	Till, gray, medium-firm; lignite particles-----	11.5	52
	Gravel, medium; clay chunks; lignite particles-----	3	55
	Gravel and sand, medium, clayey-----	8	63
	Till, gray; with sandy clay lenses-----	17	80

133-054-26ACC  
(Log from Green Circle Supply Co.)

		Date drilled:	10/21/76
	Topsoil-----	1	1
	Sand, brown, oxidized, blown-----	2	3
	Sand, clayey, brown-----	4	7
	Sand, fine, brown, oxidized-----	11	18
	Sand, fine, gray-----	18	36
	Till, gray, dry-----	5	41

133-054-26ADA  
(Log from Green Circle Supply Co.)

Date drilled: 10/21/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, fine, clayey, brown, oxidized-----	17	18
	Sand, clayey, gray-----	29	47
	Till, clay, gray-----	8	55

133-054-26ADD1  
(Log from Green Circle Supply Co.)

Date drilled: 10/21/76

	Topsoil-----	1	1
	Sand, fine, brown, oxidized-----	8	9
	Sand, very fine, gray; less than 0.006-----	48	57
	Gravel, coarse; 1/8 to 1/16 inch aggregate; clean; uniform-----	3	60
	Till, clay, gray; thin fine sand stringers-----	40	100

133-054-26ADD2  
(Log from Green Circle Supply Co.)

Date drilled: 10/27/76

	Topsoil, sandy-----	1	1
	Sand, clayey, brown, oxidized-----	10	11
	Clay, sandy, gray, soft; fine free sand lenses-----	6	17
	Clay, gray, soft, saturated-----	26	43
	Till, gray, moist, firm-----	17	60

133-054-28CAA  
(Log from Green Circle Supply Co.)

Date drilled: 2/21/75

	Topsoil-----	2	2
	Sand, fine, tan, uniform-----	14	16
	Gravel; 1/8 to 1/4 inch-----	10	26
	Till, sandy, clayey, rocky, gray-----	14	40

133-054-28CAB  
(Log from Green Circle Supply Co.)

Date drilled: 2/21/75

	Topsoil-----	1.5	1.5
	Gravel; 1/4 to 1/2 inch; brown; oxidized-----	2.5	4
	Sand, medium, brown; finer from 10 to 22 feet-----	18	22
	Gravel, medium; shale float-----	22	44
	Till, clay, gray-----	15	59
	Sand, clayey, gray; cleaner lenses-----	9	68
	Till, rocky, gray-----	12	80

133-054-28CBB  
(Log from Green Circle Supply Co.)

		Date drilled:	2/26/75
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, silty, light-tan-----	2	3
	Sand and gravel, pea-size, brown-----	7	10
	Gravel; to 1 inch; sandy-----	5	15
	Sand, coarse, brown-----	3	18
	Sand and gravel, brown; lignite particles; occasional brown clay chunks-----	7	25
	Gravel; pea-size to 1/2-inch aggregate; gray clay traces-----	5	30
	Till, gray, soft; occasional rock-----	14	44
	Till, gravelly, gray; lignite particles scattered throughout-----	13	57
	Sand, medium to fine, gray, clean; lignite particles-----	6	63
	Till, gravelly, cobbly, gray-----	17	80

133-054-28CBC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/25/74
	Topsoil-----	2	2
	Sand and gravel-----	13	15
	Till, gray-----	25	40
	Sand, fine-----	10	50
	Sand, medium-----	10	60
	Clay-----	5	65

133-054-28CBD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	10/25/74
	Topsoil-----	2	2
	Sand and gravel-----	28	30
	Till, gray-----	50	80

133-054-29ABB  
(Log from Green Circle Supply Co.)

		Date drilled:	8/05/76
	Topsoil-----	1	1
	Sand, medium, oxidized-----	10	11
	Clay, brown, hard-----	7	18
	Sand, fine, gray-----	1	19
	Clay, gray, soft-----	11	30
	Clay, gravelly; thin free sand lens-----	7	37
	Gravel, medium; some coarse sand-----	15	52
	Clay, gravelly, hard-----	3	55

133-054-29ABC  
(Log from Green Circle Supply Co.)

Date drilled: 8/05/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, light-gray, soft-----	5	6
	Sand, fine-----	4	10
	Gravel, medium to coarse, dirty-----	12	22
	Clay, hard-----	4	26
	Gravel, fine to medium; some fines-----	9	35
	Sand, medium-----	5	40
	Gravel, medium; some fines-----	7	47
	Clay, gravelly-----	13	60

133-054-29CAA1  
(Log from Green Circle Supply Co.)

Date drilled: 5/10/77

	Topsoil-----	1	1
	Clay, sandy-----	26	27
	Gravel-----	33	60

133-054-29CAA2  
(Log from Green Circle Supply Co.)

Date drilled: 5/10/77

	Topsoil-----	1	1
	Sand clay-----	26	27
	Gravel-----	33	60

133-054-29CBA  
(Log from Green Circle Supply Co.)

Date drilled: 9/23/76

	Topsoil-----	1	1
	Sand, medium, oxidized-----	34	35
	Clay, blue; with thin lens of medium sand and coarse gravel-----	35	70

133-054-29CCA  
(Log from Green Circle Supply Co.)

Date drilled: 9/23/76

	Topsoil-----	2	2
	Gravel, fine, oxidized-----	25	27
	Clay, gravelly-----	36	63
	Gravel, coarse, clean-----	1	64
	Clay, gravelly-----	16	80

133-054-29CCC  
(Log from Green Circle Supply Co.)

		Date drilled: 9/23/76	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, medium, oxidized-----	27	28
	Sand, clayey, oxidized-----	2	30
	Sand, medium, oxidized-----	2	32
	Sand, medium, gray-----	3	35
	Sand, fine-----	7	42
	Clay, hard-----	1	43
	Gravel, fine-----	16	59
	Clay, gravelly-----	11	70

133-054-29CCD  
(Log from Green Circle Supply Co.)

		Date drilled: 9/23/76	
	Topsoil-----	1	1
	Sand, medium, oxidized-----	35	36
	Clay, gravelly; with lens of sand and gravel-----	44	80

133-054-29CDD  
(Log from Green Circle Supply Co.)

		Date drilled: 5/01/77	
	Topsoil-----	1	1
	Clay, sandy-----	19	20
	Clay-----	10	30
	Sand, fine-----	15	45
	Sand, clayey-----	15	60
	Clay-----	40	100

133-054-29DAA  
(Log from Green Circle Supply Co.)

		Date drilled: 2/26/75	
	Topsoil-----	1	1
	Sand, fine, silty, brown, dry-----	5	6
	Gravel and sand; buckshot to pea size; brown; clay chunks; oxidized-----	17	23
	Sand, coarse, brown-----	8	31
	Gravel, medium-----	2	33
	Till, gravelly, sandy, gray-----	19	52
	Sand, coarse, and medium gravel-----	4	56
	Till, gravelly, gray-----	4	60

133-054-29DAB  
(Log from Green Circle Supply Co.)

		Date drilled: 10/20/76	
	Topsoil-----	1	1
	Sand, gravelly, gray-----	9	10
	Sand and gravel, oxidized, good-----	7	17
	Clay, gray-----	23	40
	Sand and gravel; with fines and clay stringers-----	10	50
	Till, clay, gray; thin lenses of very fine sand-----	10	60

133-054-29DAC  
(Log from Green Circle Supply Co.)

Date drilled: 10/20/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand and gravel, oxidized, dirty-----	10	11
	Gravel, coarse, clean-----	2	13
	Clay-----	7	20

133-054-29DAD1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 6/18/75

	Topsoil-----	2	2
	Sand and gravel-----	13	15
	Till, gray-----	20	35
	Sand, fine to medium-----	5	40
	Sand and gravel-----	16	56

133-054-29DAD2  
(Log from Green Circle Supply Co.)

Date drilled: 10/20/76

	Topsoil-----	1	1
	Sand, medium to coarse, oxidized-----	13	14
	Sand, coarse, clean, good-----	5	19
	Clay, gray-----	1	20
	Sand, gravelly-----	2	22
	Till, clay, gray; with fine sand stringers-----	3	25
	Till, clay, gray-----	15	40

133-054-29DDA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/25/74

	Topsoil-----	2	2
	Sand and gravel-----	13	15
	Till, gray-----	20	35
	Sand, fine to medium-----	5	40
	Sand and gravel-----	17	57
	Till, gray-----	3	60

133-054-29DDB1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/25/74

	Topsoil-----	2	2
	Sand and gravel-----	13	15
	Till, gray-----	20	35
	Sand-----	5	40
	Sand and gravel-----	15	55
	Till, gray-----	5	60

133-054-29DDB2  
(Log from Green Circle Supply Co.)

Date drilled: 10/20/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, sandy, brown, oxidized-----	5	6
	Sand and gravel, medium to coarse-----	6	12
	Gravel, coarse, very good-----	8	20
	Till, clay, gray, soft-----	10	30
	Till, gray, medium-firm-----	10	40

133-054-29DDB3  
(Log from Green Circle Supply Co.)

Date drilled: 10/20/76

	Topsoil-----	1	1
	Clay, sandy, brown, oxidized, dry, firm-----	4	5
	Sand and gravel, medium to coarse, brown, oxidized-----	6	11
	Gravel, coarse; 15 percent sand; clean; very good-----	12	23
	Clay, gray, soft, saturated-----	17	40
	Till, gray; occasional thin gravel and clayey sand stringers-----	20	60

133-054-29DDC  
(Log from Green Circle Supply Co.)

Date drilled: 10/20/76

	Topsoil-----	1	1
	Sand, silty, brown, oxidized-----	4	5
	Sand and gravel, medium to coarse, brown, oxidized-----	4	9
	Sand and gravel, medium to coarse; 20 percent sand-----	11	20
	Clay, gray, soft, moist-----	20	40

133-054-29DDD1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/25/74

	Topsoil-----	2	2
	Sand and gravel-----	23	25
	Till, gray-----	12	37
	Sand-----	6	43
	Sand and gravel-----	16	59
	Till, gray-----	1	60

133-054-29DDD2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 6/16/75

	Topsoil-----	2	2
	Sand and gravel-----	23	25
	Till, gray-----	12	37
	Sand-----	6	43
	Sand and gravel-----	16	59
	Till, gray-----	2	61

133-054-29DDD3  
(Log from Green Circle Supply Co.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 10/20/76	
		THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, medium, gravelly, oxidized-----	18	19
	Sand and gravel; 5 percent shale; good-----	5	24
	Till, clay, gray, medium to firm, moist-----	18	42
	Sand, medium to coarse, clean; occasional thin clay stringers-----	15	57
	Till, clay, gray, medium to firm-----	4	61

133-054-31DCA  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/28/74	
	Topsoil-----	2	2
	Clay, sandy-----	3	5
	Sand and gravel-----	35	40
	Sand, medium-----	14	54
	Clay-----	6	60

133-054-31DDB1  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/28/74	
	Topsoil-----	2	2
	Clay, sandy-----	3	5
	Sand, medium to coarse-----	45	50
	Sand and gravel-----	14	64
	Till, gray-----	1	65

133-054-31DDB2  
(Log from Green Circle Supply Co.)

		Date drilled: 8/18/75	
	Topsoil-----	1	1
	Clay, silty-----	4	5
	Sand, coarse, brown-----	11	16
	Sand, medium, gray-----	4	20
	Sand, medium to coarse, gray-----	15	35
	Gravel, pea-size, sandy-----	8	43
	Gravel, pea-size, clayey; lignite chips-----	7	50
	Sand, gravelly, clayey, gray; lignite chips-----	7	57
	Till-----	8	65

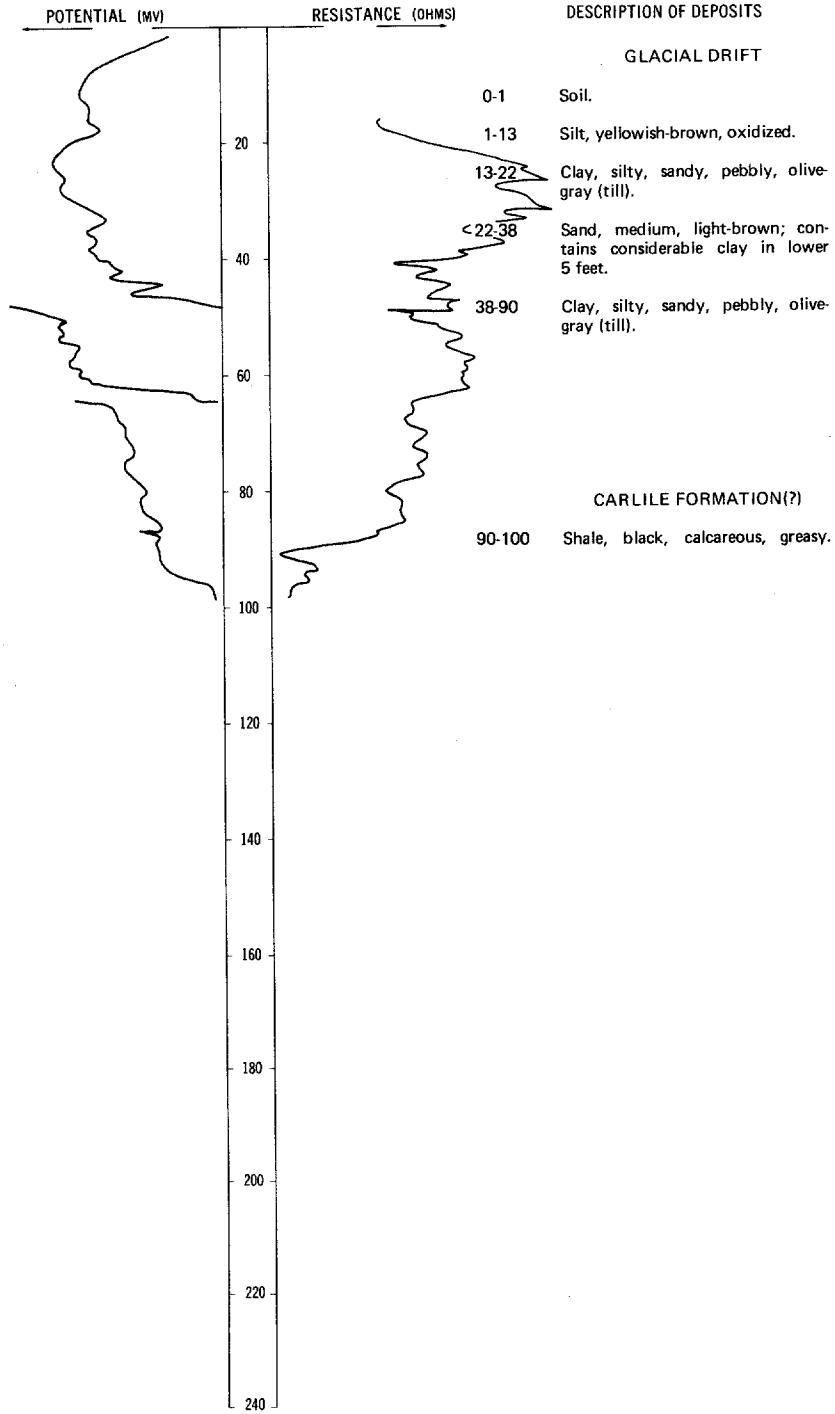


LOCATION: 133-054-31DDD

DATE DRILLED: 9/13/77

ALTITUDE: 1115  
(FT. NGVD)

DEPTH: 100  
(FT)

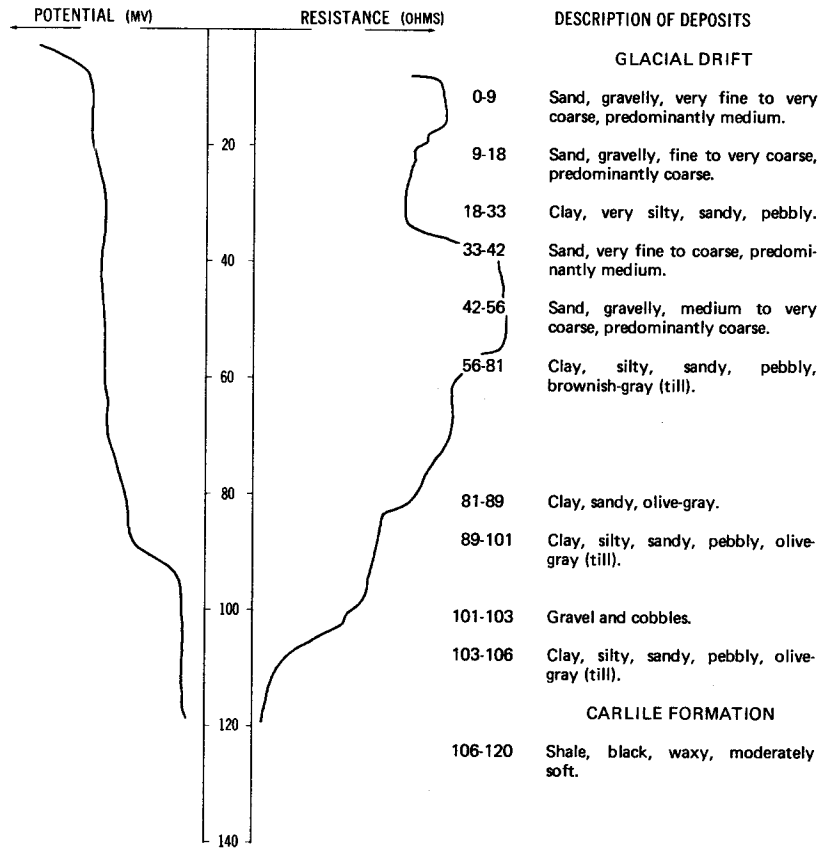


LOCATION: 133-054-32AAA

DATE DRILLED: 12/14/76

ALTITUDE: 1115  
(FT. NGVD)

DEPTH: 120  
(FT)



133-054-32BBD  
(Log from Green Circle Supply Co.)

Date drilled: 9/23/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, coarse, oxidized-----	11	12
	Sand, fine, oxidized-----	16	28
	Sand, fine, gray-----	27	55
	Clay, gray-----	4	59
	Sand, fine-----	3	62
	Clay, sandy-----	20	82
	Sand, fine-----	1	83
	Clay, sandy-----	3	86
	Gravel, medium-----	1	87
	Till, clay, gray-----	13	100

133-054-32BCA  
(Log from Green Circle Supply Co.)

Date drilled: 9/23/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, medium, pebbly, oxidized-----	24	25
	Sand, medium, gray, well-rounded-----	25	50
	Till, clay, gray-----	10	60

133-054-32BDB  
(Log from Green Circle Supply Co.)

Date drilled: 9/23/76

	Topsoil-----	1	1
	Gravel, medium, oxidized-----	10	11
	Sand, fine, oxidized, cemented-----	23	34
	Sand, fine, gray, cemented-----	15	49
	Gravel, coarse; with clay lens-----	5	54
	Till, clay, gray-----	6	60

133-054-36BAC  
(Log from Green Circle Supply Co.)

Date drilled: 11/10/76

	Topsoil-----	1	1
	Sand, silty, brown, blown-----	10	11
	Sand, fine, silty, clayey, gray-----	10	21
	Clay, silty, gray, soft-----	24	45
	Till, clay, gray, medium-firm-----	35	80

133-054-36BAD  
(Log from Green Circle Supply Co.)

Date drilled: 11/10/76

	Topsoil-----	1	1
	Sand, silty, gray, blown-----	19	20
	Clay, silty, gray, soft-----	40	60

133-054-36BBC  
(Log from Green Circle Supply Co.)

Date drilled: 11/10/76

	Topsoil-----	1	1
	Sand, silty, blown-----	14	15
	Clay, silty, gray-----	25	40

133-055-04CCC  
(Log from Robert Recker)

Date drilled: 5/23/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, black-----	2	2
	Clay, yellow-----	5	7
	Sand, fine, brownish-----	45	52
	Clay, light-gray-----	6	58
	Sand and gravel-----	2	60
	Rock-----	1	61
	Clay, dark-blue-----	4	65
	Sand, fine, gray-----	9	74
	Sand, white-----	8	82
	Gravel, coarse-----	2	84

133-055-09AAC1  
(Log from Adair Drilling Co.)

Date drilled: 10/19/76

	Topsoil-----	1	1
	Clay, sandy, yellow-----	11	12
	Sand, fine-----	18	30
	Sand, fine, gray-----	17	47
	Clay, gray, soft-----	13	60
	Till, clay; sand lenses-----	20	80
	Till, clay-----	2	82
	Sand, coarse-----	5	87
	Till, clay-----	8	95
	Sand, coarse-----	3	98
	Till, clay-----	2	100
	Sand-----	3	103
	Clay-----	2	105
	Sand, coarse-----	2	107
	Till, clay, gravelly-----	13	120
	Till, clay-----	5	125
	Granite-----	---	125

133-055-09AAC2  
(Log from Adair Drilling Co.)

Date drilled: 10/19/76

	Topsoil-----	1	1
	Clay, yellow-----	26	27
	Clay, blue-----	28	55
	Till, clay-----	8	63
	Sand, fine-----	5	68
	Sand, medium to coarse-----	12	80
	Sand and gravel-----	7	87
	Till, clay-----	13	100

133-055-09AAD  
(Log from Adair Drilling Co.)

Date drilled: 10/19/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, sandy-----	4	5
	Clay, yellow-----	35	40
	Till, clay-----	15	55
	Sand, coarse-----	5	60
	Sand and gravel-----	17	77
	Till, clay-----	2	79
	Sand-----	2	81
	Till, clay, gravelly-----	9	90

133-055-10DDD  
(Log from Robert Recker)

Date drilled: 8/13/74

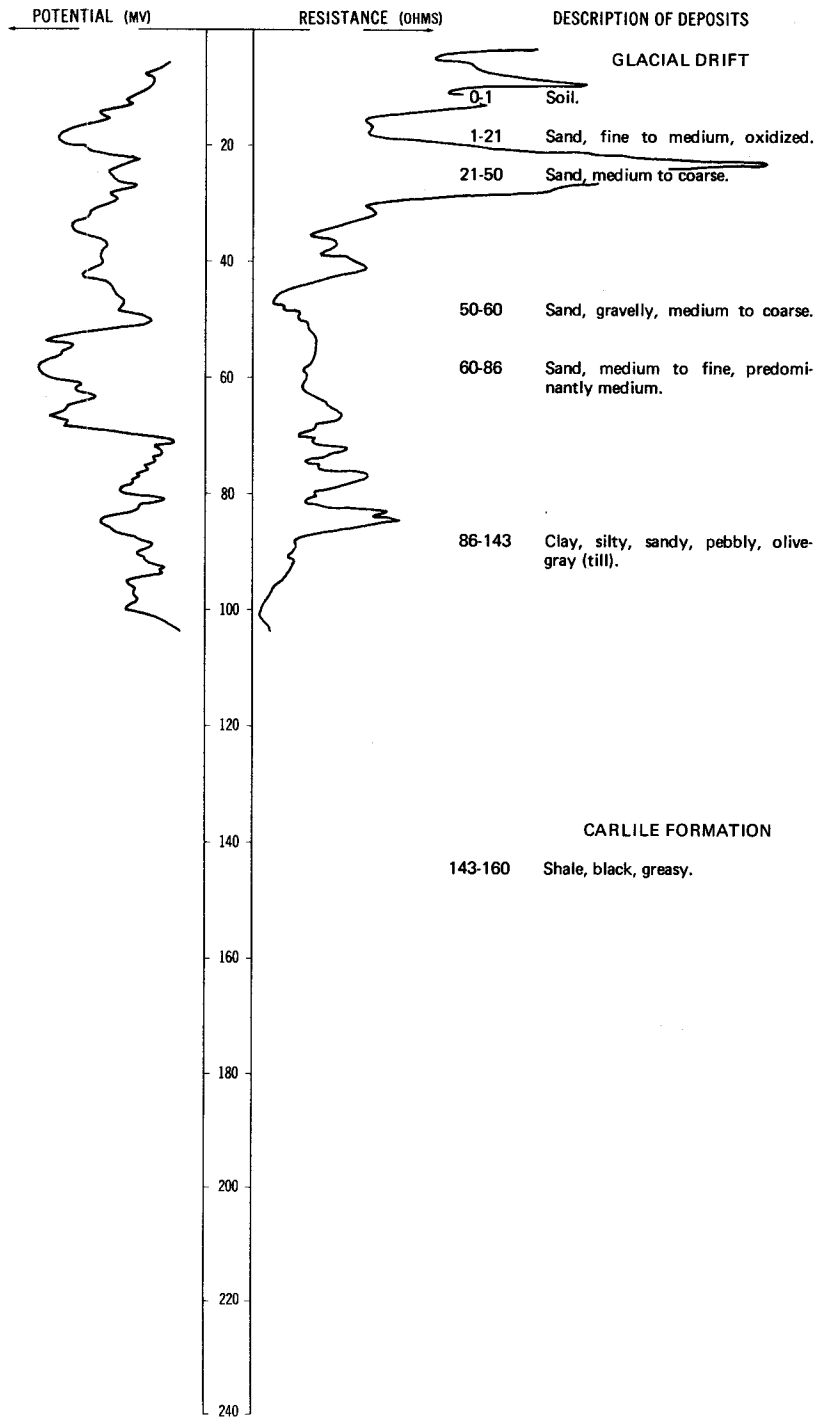
	Dirt, black-----	2	2
	Clay, yellow-----	12	14
	Clay, blue-----	79	93
	Sand and gravel-----	10	103

LOCATION: 133-055-13AAA

DATE DRILLED: 9/14/77

ALTITUDE: 1140  
(FT, NGVD)

DEPTH: 160  
(FT)



133-055-13ACD  
(Log from Green Circle Supply Co.)

Date drilled: 9/01/76

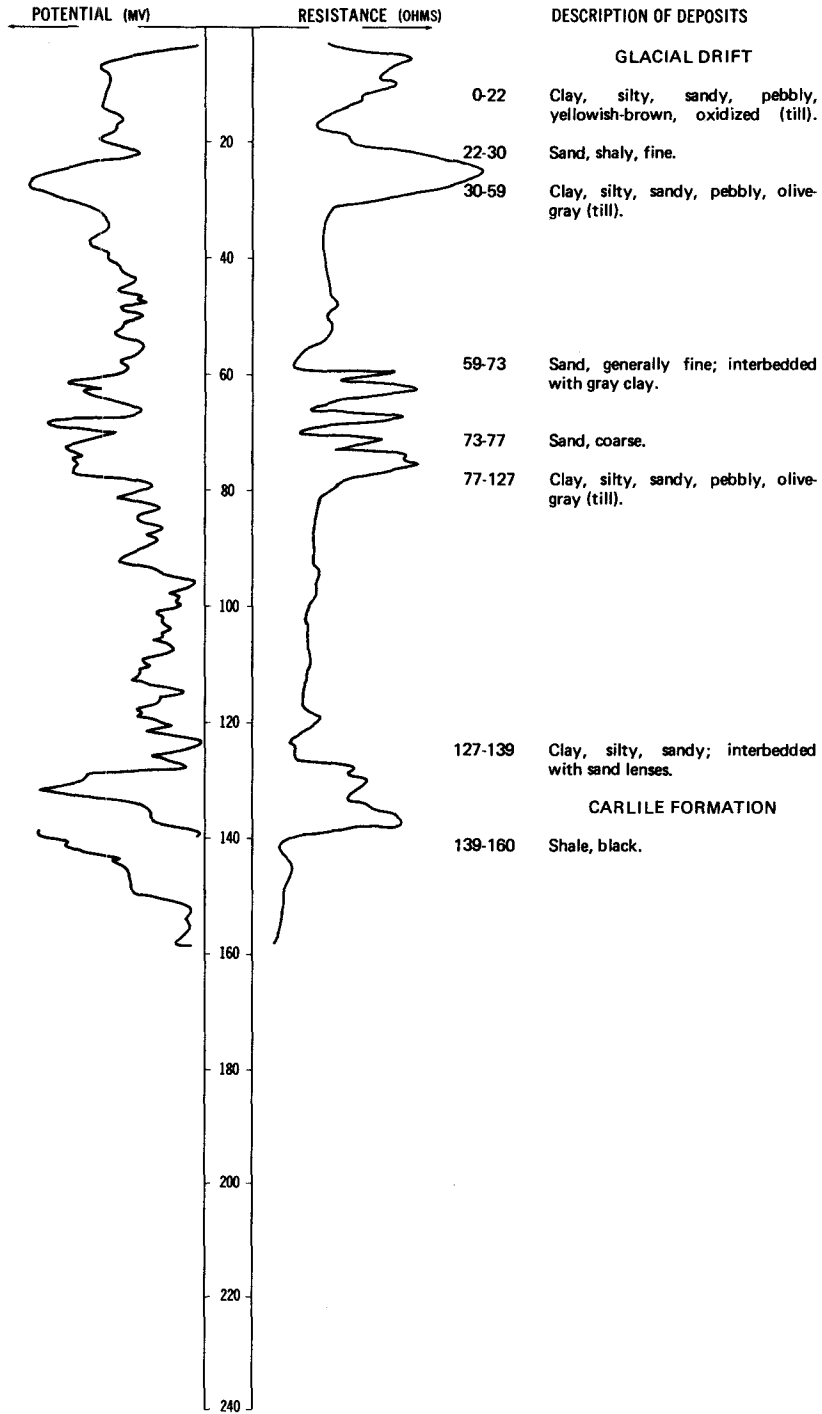
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, clayey-----	4	5
	Sand, fine, brown-----	15	20
	Sand, fine to medium-----	5	25
	Sand, medium, clean-----	10	35
	Sand and gravel, coarse-----	14	49
	Clay, silty, gray-----	1	50

LOCATION: 133-055-13CCC

DATE DRILLED: 9/13/77

ALTITUDE: 1155  
(FT, NGVD)

DEPTH: 160  
(FT)





133-055-13DBD  
(Log from Green Circle Supply Co.)

Date drilled: 9/01/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, silty, yellow, soft-----	11	12
	Sand and gravel; 50 percent shale pebbles with hard brittle clay-----	8	20
	Till-----	5	25
	Sand, fine to medium, clean, good-----	10	35
	Sand, fine to medium; some pea-size gravel-----	12	47
	Till, clay, gray-----	3	50
	Till, gray-----	10	60

133-055-14DDB  
(Log from Green Circle Supply Co.)

Date drilled: 12/15/76

	Topsoil-----	1	1
	Clay, brown, oxidized-----	11	12
	Clay, gravelly-----	48	60
	Sand, fine, silty-----	27	87
	No cuttings-----	9	96
	Clay, gravelly-----	24	120

133-055-15BAA  
(Log from Robert Recker)

Date drilled: 8/06/74

	Dirt, black-----	1	1
	Silt and sand-----	10	11
	Clay-----	44	55
	Clay, silty, sandy-----	15	70
	Gravel, silty-----	2	72
	Clay-----	2	74
	Gravel and sand-----	7	81

133-055-16BBD  
(Log from Adair Drilling Co.)

Date drilled: 10/19/76

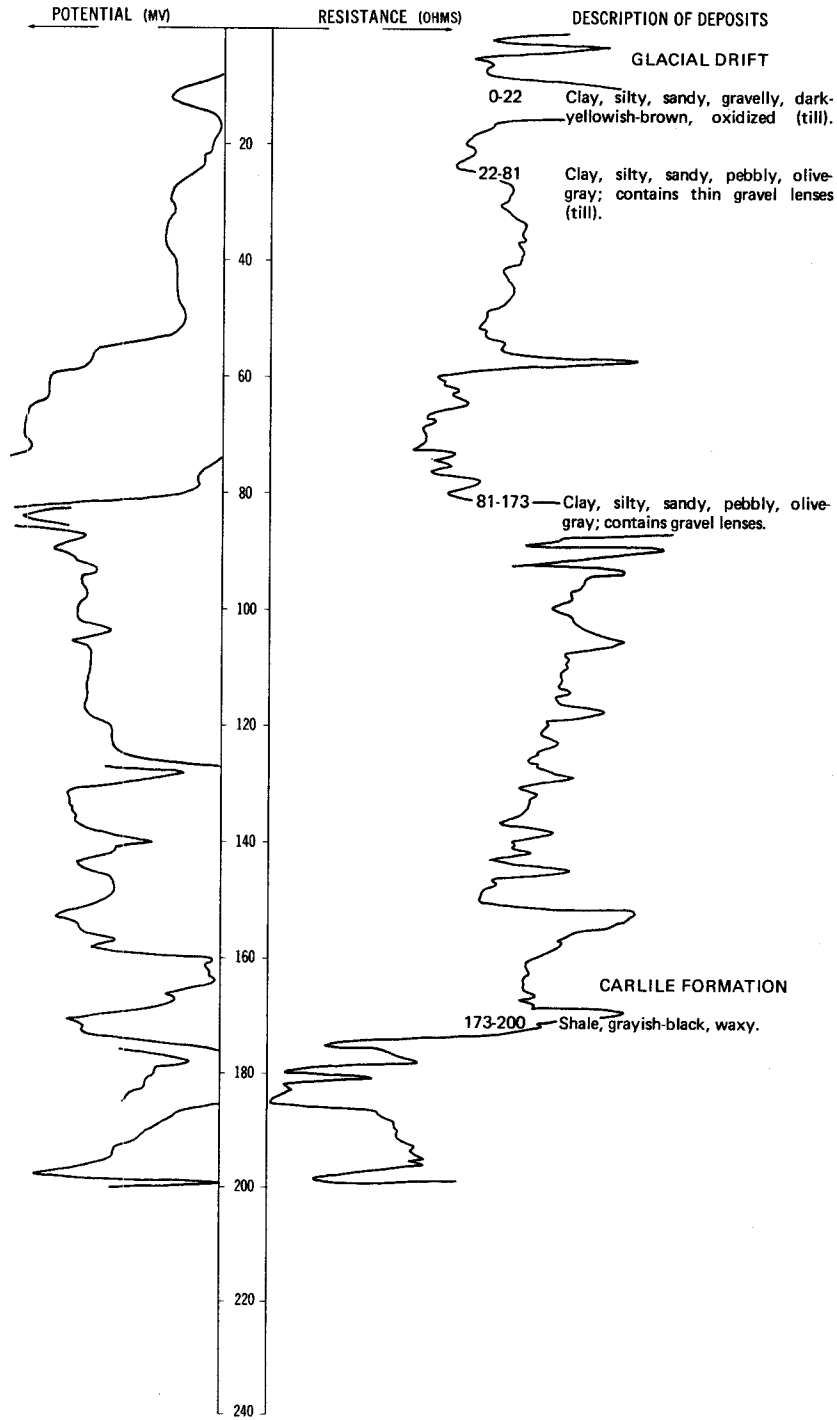
	Topsoil-----	1	1
	Clay, sandy, yellow-----	7	8
	Clay, yellow-----	12	20
	Clay, blue-----	10	30
	Sand-----	5	35
	Clay, blue-----	7	42
	Sand, fine-----	3	45
	Sand, coarse, oxidized-----	10	55
	Sand, coarse-----	5	60
	Till, clay-----	13	73
	Sand-----	2	75
	Till, clay-----	30	105
	Till, sandy-----	45	150
	Till, clay-----	15	165

LOCATION: 133-055-16DDD

DATE DRILLED: 10/28/75

ALTITUDE: 1184  
(FT, NGVD)

DEPTH: 200  
(FT)



133-055-18DCD  
(Log from Robert Recker)

		Date drilled: 6/08/74	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	5	5
	Gravel, sandy-----	60	65
	Clay, light-gray-----	7	72
	Sand and gravel-----	8	80

133-055-19BBA  
(Log from Robert Recker)

		Date drilled: 6/18/74	
	Dirt, black-----	5	5
	Clay, yellow-----	27	32
	Clay, blue-----	44	76
	Sand and gravel-----	9	85

133-055-20CBB  
(Log from Independent Drilling Co.)

		Date drilled: 4/07/73	
Greenhorn Formation (top):			345
Dakota Sandstone (top):			710
		210	920

133-055-22ABB  
(Log from Robert Recker)

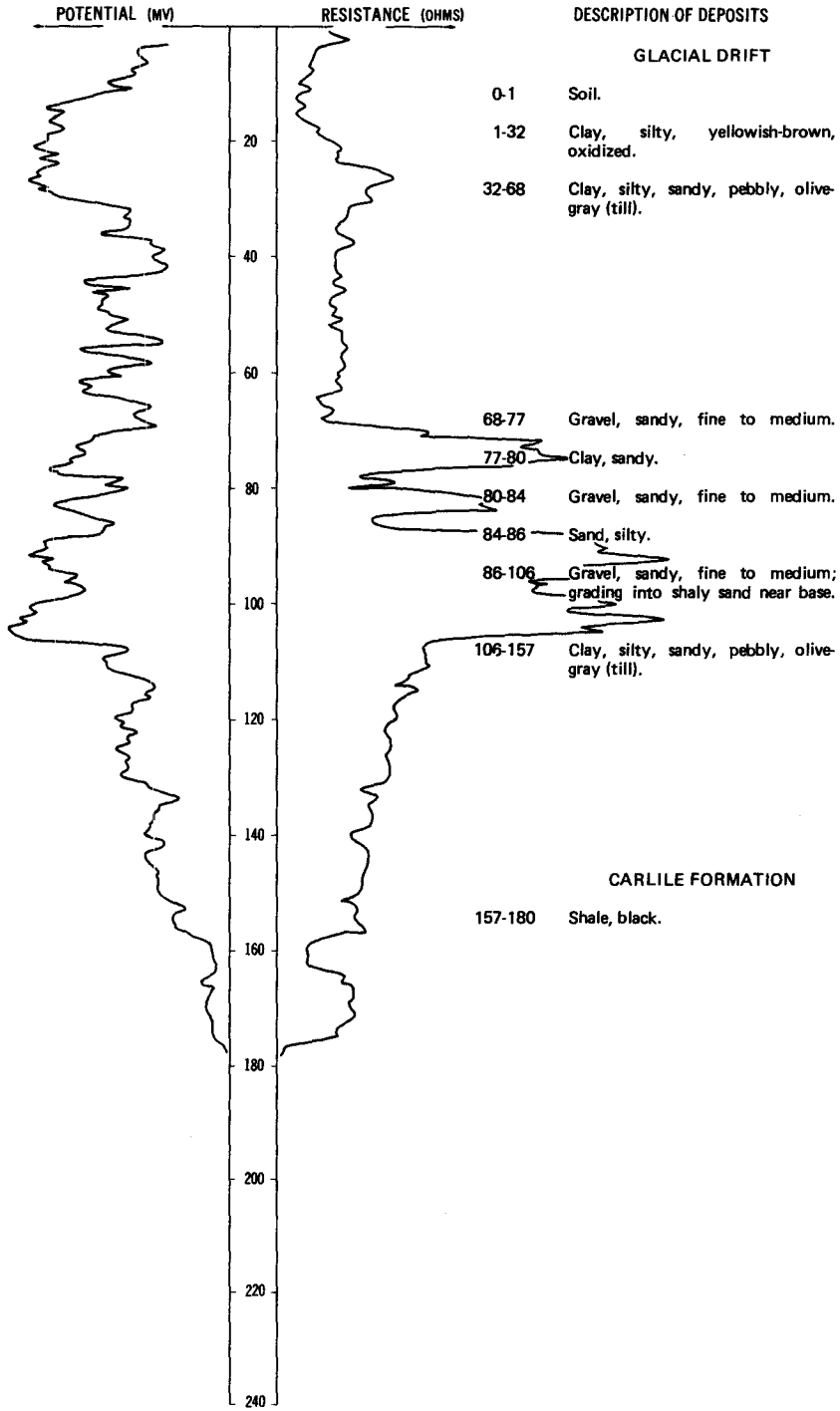
		Date drilled: 8/07/74	
	Clay, yellow-----	27	27
	Clay, gravelly, yellow-----	9	36
	Clay, blue-----	24	60
	Gravel and clay; mixed-----	3	63
	Clay, blue-----	16	79
	Gravel-----	11	90

LOCATION: 133-055-22DDD

DATE DRILLED: 9/13/77

ALTITUDE: 1170  
(FT. NGVD)

DEPTH: 180  
(FT)



133-055-24ABD  
(Log from Green Circle Supply Co.)

Date drilled: 12/14/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Gravel, coarse, oxidized-----	21	22
	Clay, gravelly, gray, soft-----	11	33
	Sand, coarse, gravelly, clean-----	23	56
	Clay, gravelly, hard-----	24	80

133-055-24DAB  
(Log from Green Circle Supply Co.)

Date drilled: 9/23/76

	Sand, fine, brown-----	18	18
	Gravel, medium, gray-----	5	23
	Clay, gravelly, hard-----	18	41
	Clay, hard, lens-----	64	105

133-055-24DAD  
(Log from Green Circle Supply Co.)

Date drilled: 9/23/76

	Sand, fine, brown-----	7	7
	Gravel, medium, oxidized-----	9	16
	Gravel, medium, gray-----	3	19
	Clay, gravelly-----	21	40

133-055-24DBD  
(Log from Green Circle Supply Co.)

Date drilled: 4/22/76

	Topsoil-----	0.8	0.8
	Sand and clay-----	1.2	2
	Sand, fine, oxidized-----	7	9
	Sand, coarse, and gravel, oxidized-----	11	20
	Gravel, coarse, with fines-----	3	23
	Till, gravelly-----	7	30
	Till and shale rock-----	5	35

133-055-24DCB  
(Log from Green Circle Supply Co.)

		Date drilled: 9/23/76	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, fine, oxidized-----	10	11
	Gravel, fine, oxidized-----	8	19
	Gravel, coarse, clean-----	4	23
	Clay-----	12	35

133-055-24DDB1  
(Log from Green Circle Supply Co.)

		Date drilled: 4/22/76	
	Topsoil-----	0.8	0.8
	Clay, sandy, brown-----	1.2	2
	Sand, fine, clean, oxidized-----	7	9
	Sand, coarse, clean, and oxidized gravel-----	11	20
	Gravel; with fines; clean-----	4	24
	Till, gravelly-----	16	40

133-055-24DDB2  
(Log from Green Circle Supply Co.)

		Date drilled: 9/23/76	
	Topsoil-----	1	1
	Sand, fine to medium, oxidized-----	13	14
	Gravel, fine, oxidized-----	6	20
	Gravel, coarse, clean-----	3	23
	Clay, pebbly-----	17	40

133-055-29AAD  
(Log from Robert Recker)

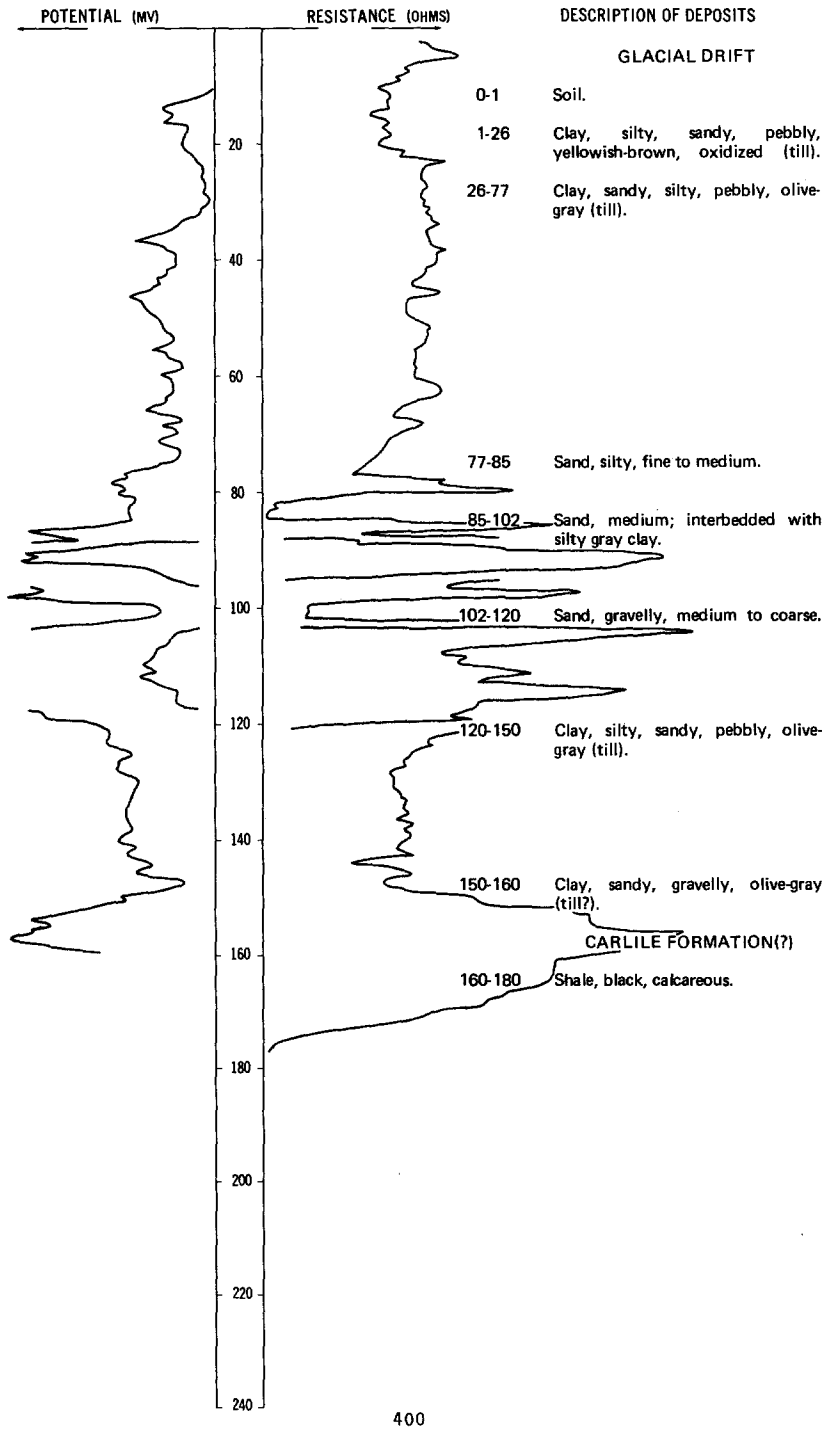
		Date drilled: 10/03/74	
	Dirt, black-----	2	2
	Clay, yellow-----	27	29
	Clay, blue-----	63	92
	Sand and gravel-----	3	95

LOCATION: 133-055-348BB

DATE DRILLED: 9/13/77

ALTITUDE: 1185  
(FT, NGVD)

DEPTH: 180  
(FT)

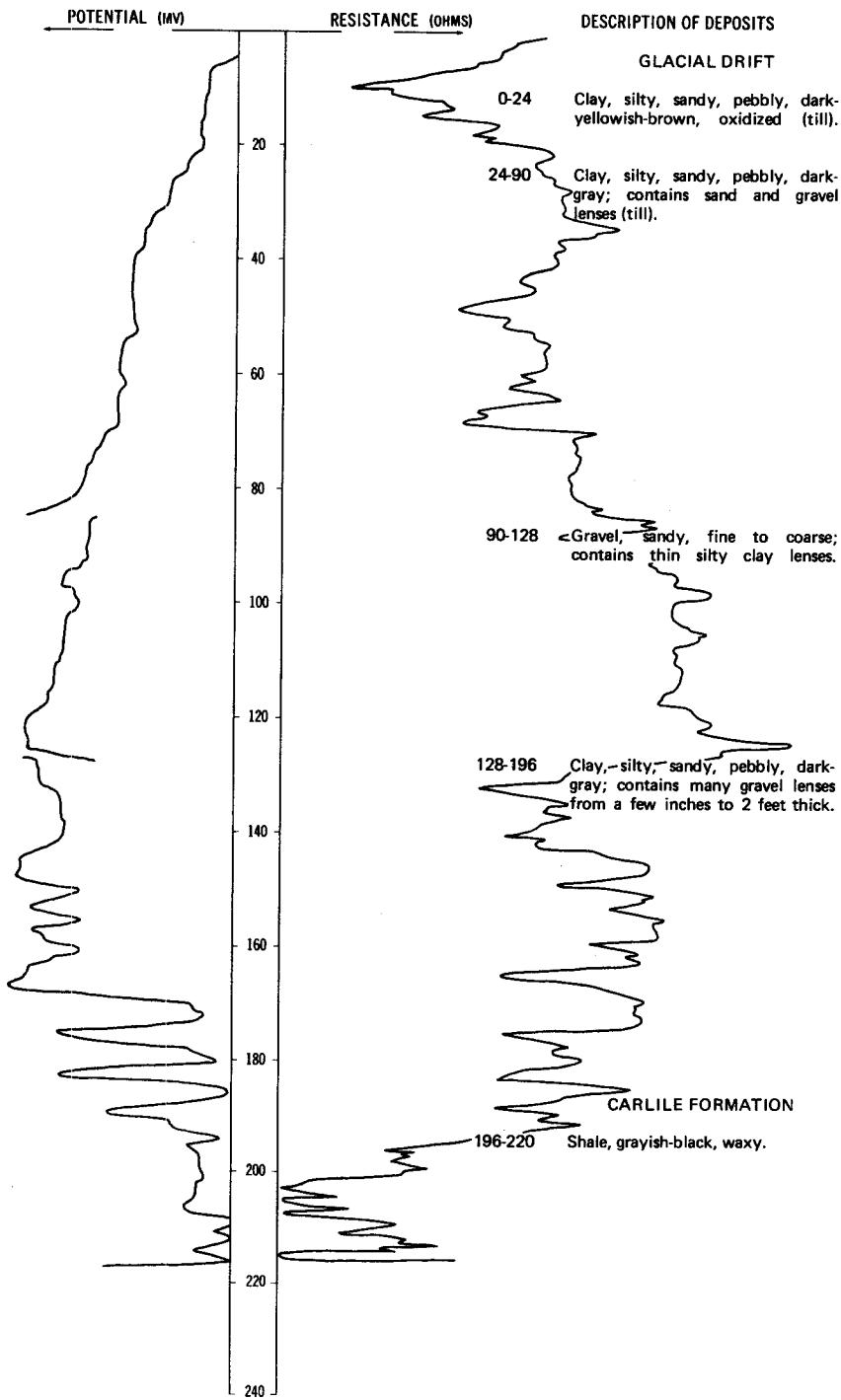


LOCATION: 133-056-05DDD

DATE DRILLED: 10/27/75

ALTITUDE: 1260  
(FT, NGVD)

DEPTH: 220  
(FT)



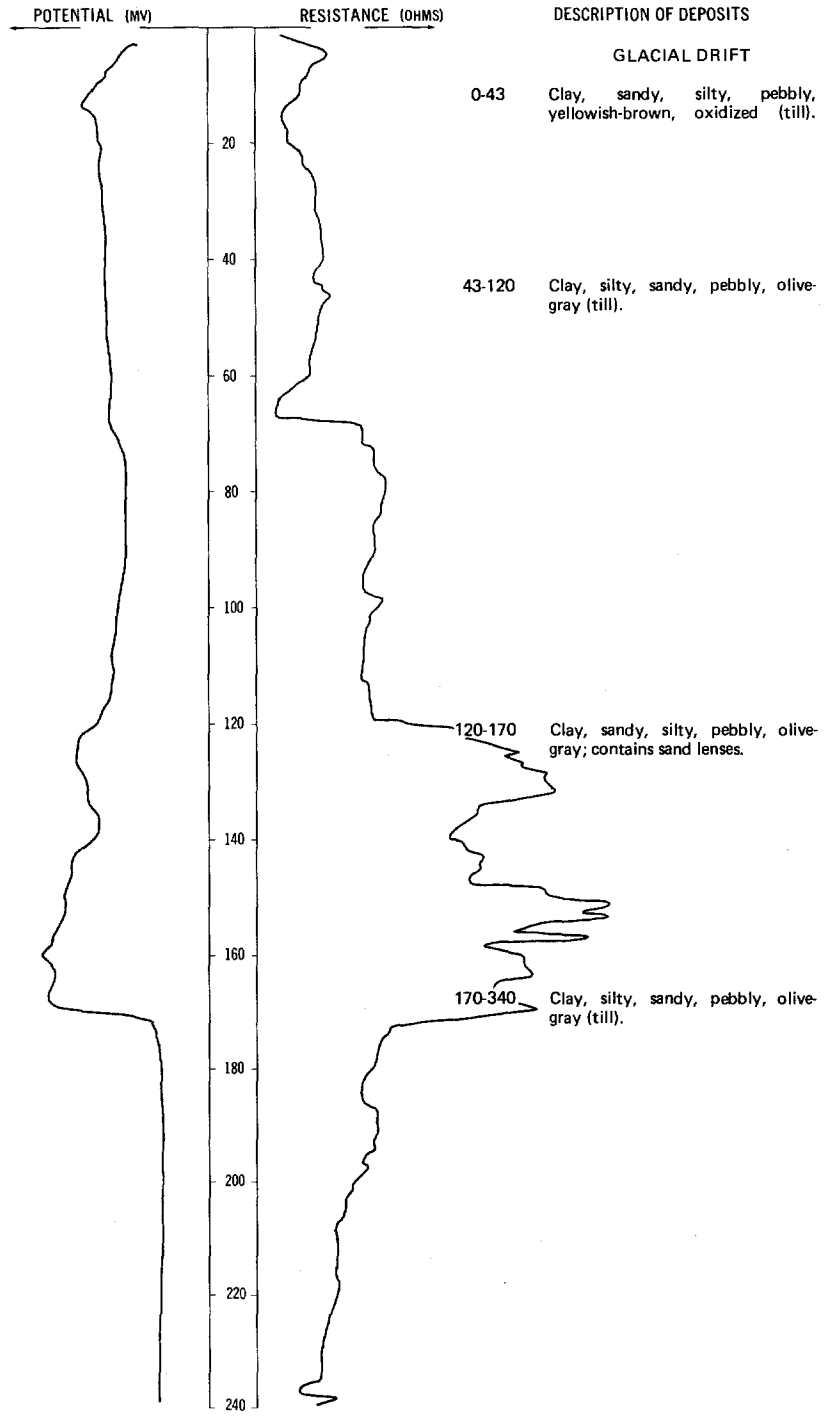


LOCATION: 133-056-12BBB

DATE DRILLED: 10/19/77

ALTITUDE: 1228  
(FT. NGVD)

DEPTH: 400  
(FT)



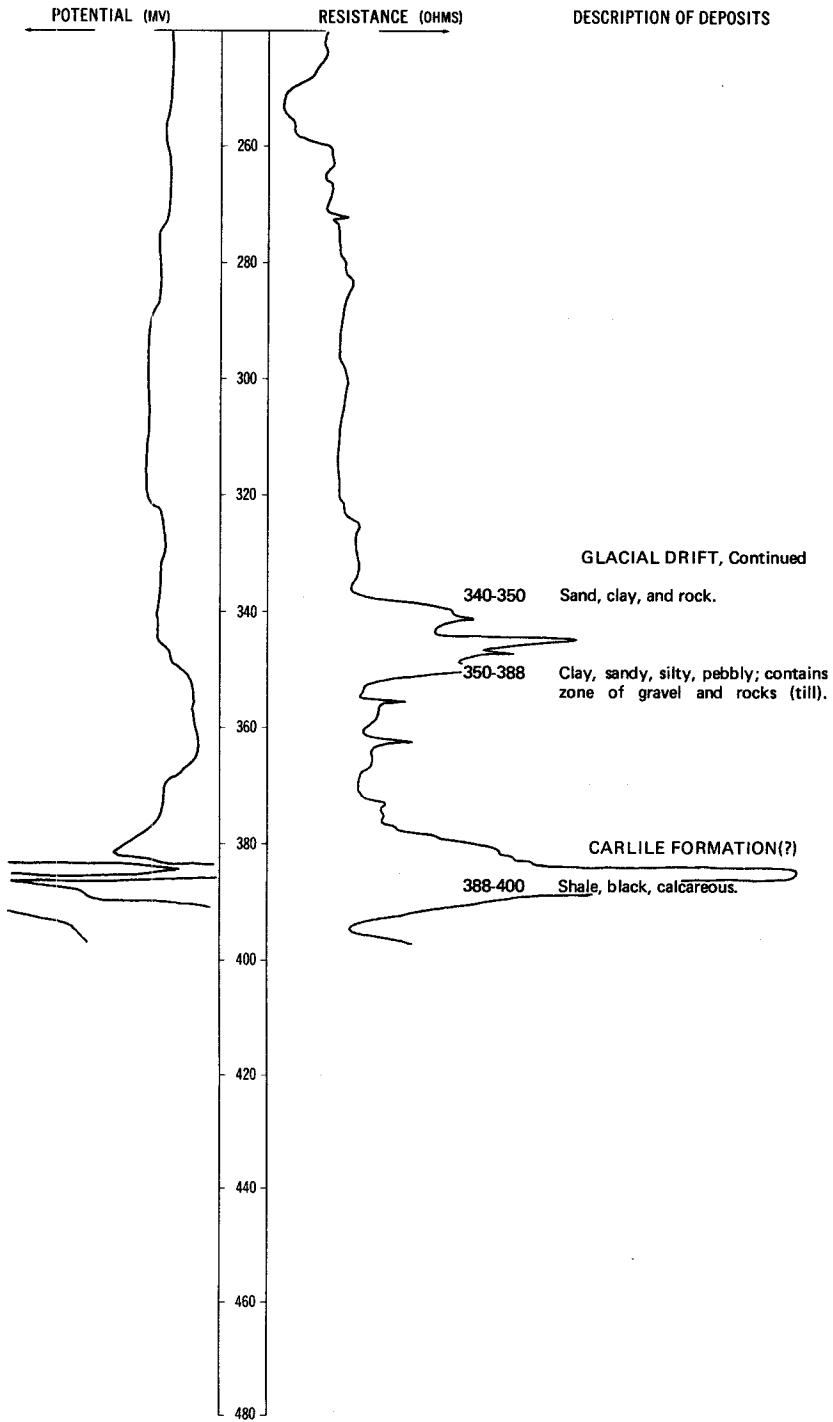
NDSWC 10018, Continued

LOCATION: 133-056-12BBB

DATE DRILLED: 10/19/77

ALTITUDE: 1228  
(FT, NGVD)

DEPTH: 400  
(FT)

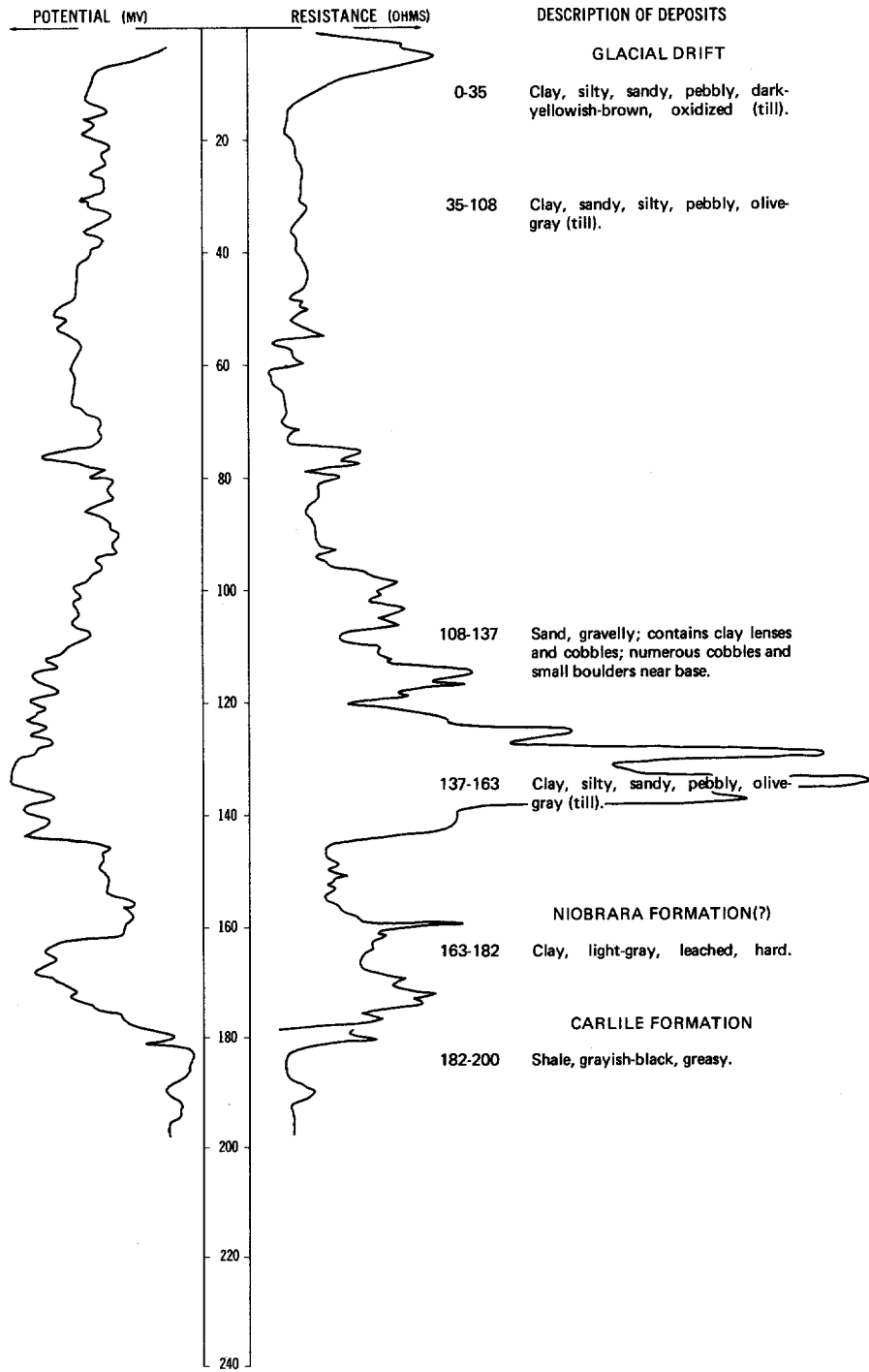


LOCATION: 133-056-28DDA

DATE DRILLED: 8/24/77

ALTITUDE: 1282  
(FT, NGVD)

DEPTH: 200  
(FT)



133-056-32BBD  
(Log from Frederickson's Inc.)

		Date drilled:	1/18/73
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	2	2
	Clay, sandy, brown-----	18	20
	Clay, sandy, and shale; black/blue-----	112	132
	Sand, rocky, colored-----	5	137
	Clay, sandy, and rocky shale; black/blue-----	82	219
	Sand, blue-----	2	221
	Clay, sandy, and shale; black/blue-----	37	258
	Shale, soft, black-----	234	492
	Shale, sandy, soft, black-----	48	540
	Shale, soft, black-----	136	676
	Rock-----	1	677
	Shale, sandy, soft, black-----	2	679
	Shale, soft, black-----	4	683
	Shale, sandy, soft, black-----	2	685
	Shale, soft, black-----	50	735
	Rock-----	1	736
	Shale, black-----	46	782
	Shale, black; lenses of sand-----	4	786
	Shale, black-----	9	795
	Sand-----	3	798
	Shale, black-----	8	806
	Shale; lenses of sandstone; black/gray-----	12	818
	Shale, black-----	3	821
	Shale; lenses of sandstone; black/gray-----	12	833
	Shale, sandy, black-----	11	844
	Shale; lenses of sandstone; gray/black-----	17	861
	Shale, sandy, black-----	28	889
	Shale; lenses of sandstone; gray/black-----	22	911
	Rock-----	2	913
	Shale, sandy, black-----	17	930
	Shale; lenses of sandstone; gray/black-----	5	935
	Shale, sandy, black-----	10	945
	Sandstone, white-----	31	976
	Shale, sandy, black-----	2	978
	Sandstone, dirty, white-----	8	986
	Sandstone; lenses of shale; black; white-----	8	994
	Shale, black-----	17	1,011

133-057-02CAC  
(Log from Robert Recker)

Date drilled: 5/26/77

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	2	2
	Clay, yellow-----	21	23
	Clay, blue-----	89	112
	Gravel, coarse; 1/8 to 1/2 inch-----	38	150

133-057-02CBA  
(Log from Robert Recker)

Date drilled: 5/20/77

	Dirt, black-----	2	2
	Clay, yellow-----	27	29
	Clay, blue-----	83	112
	Gravel, coarse-----	1	113
	Clay, blue-----	37	150

133-057-02CBD  
(Log from Robert Recker)

Date drilled: 5/19/77

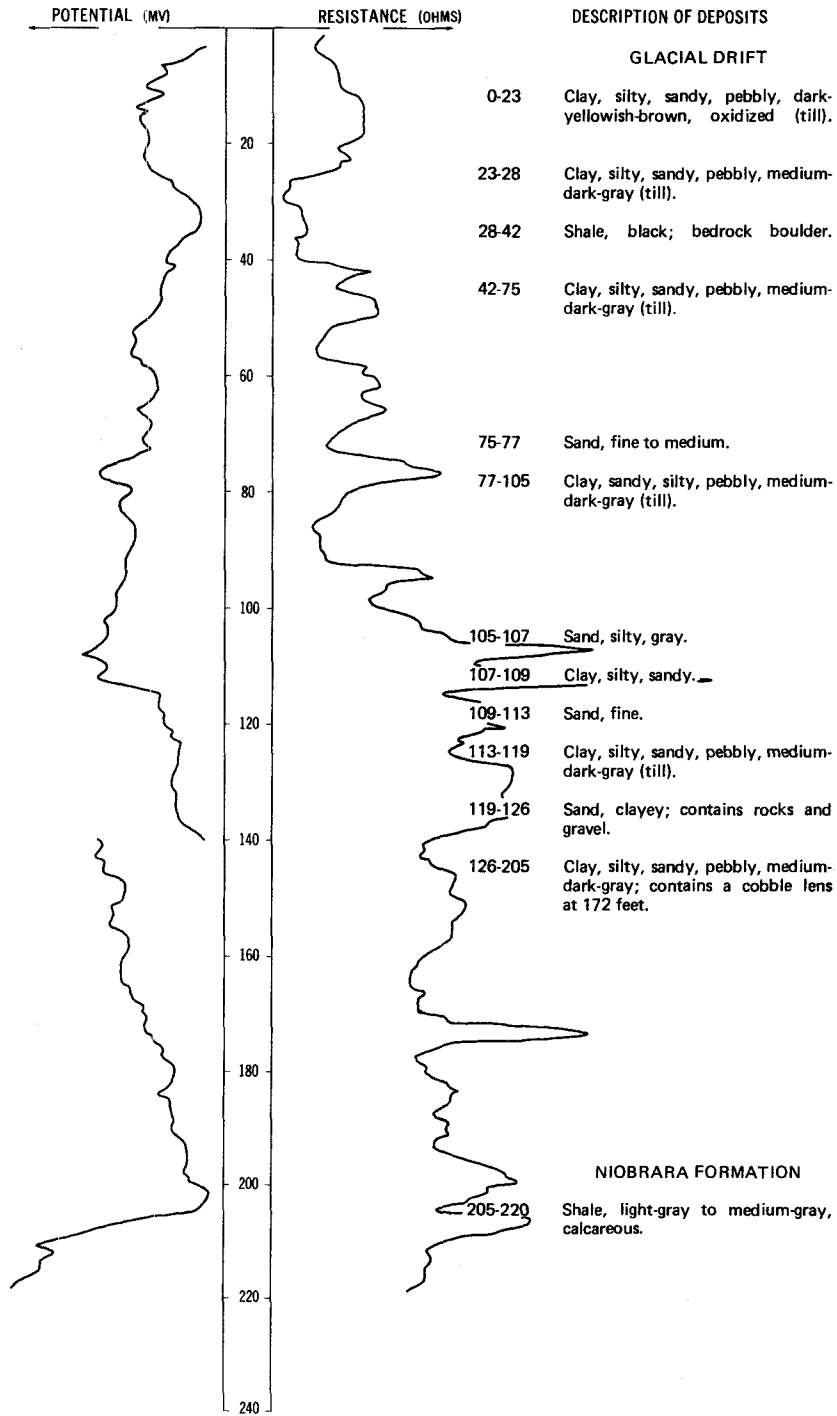
	Dirt, black-----	5	5
	Clay, yellow-----	24	29
	Clay, blue-----	67	96
	Clay, gravelly, blue-----	8	104
	Clay, blue-----	1	105
	Gravel, coarse-----	2	107
	Clay, blue-----	5	112
	Gravel; 1/8 to 1/2 inch-----	12	124
	Clay, blue-----	6	130

LOCATION: 133-057-03ADD

DATE DRILLED: 8/17/77

ALTITUDE: 1351  
(FT, NGVD)

DEPTH: 220  
(FT)



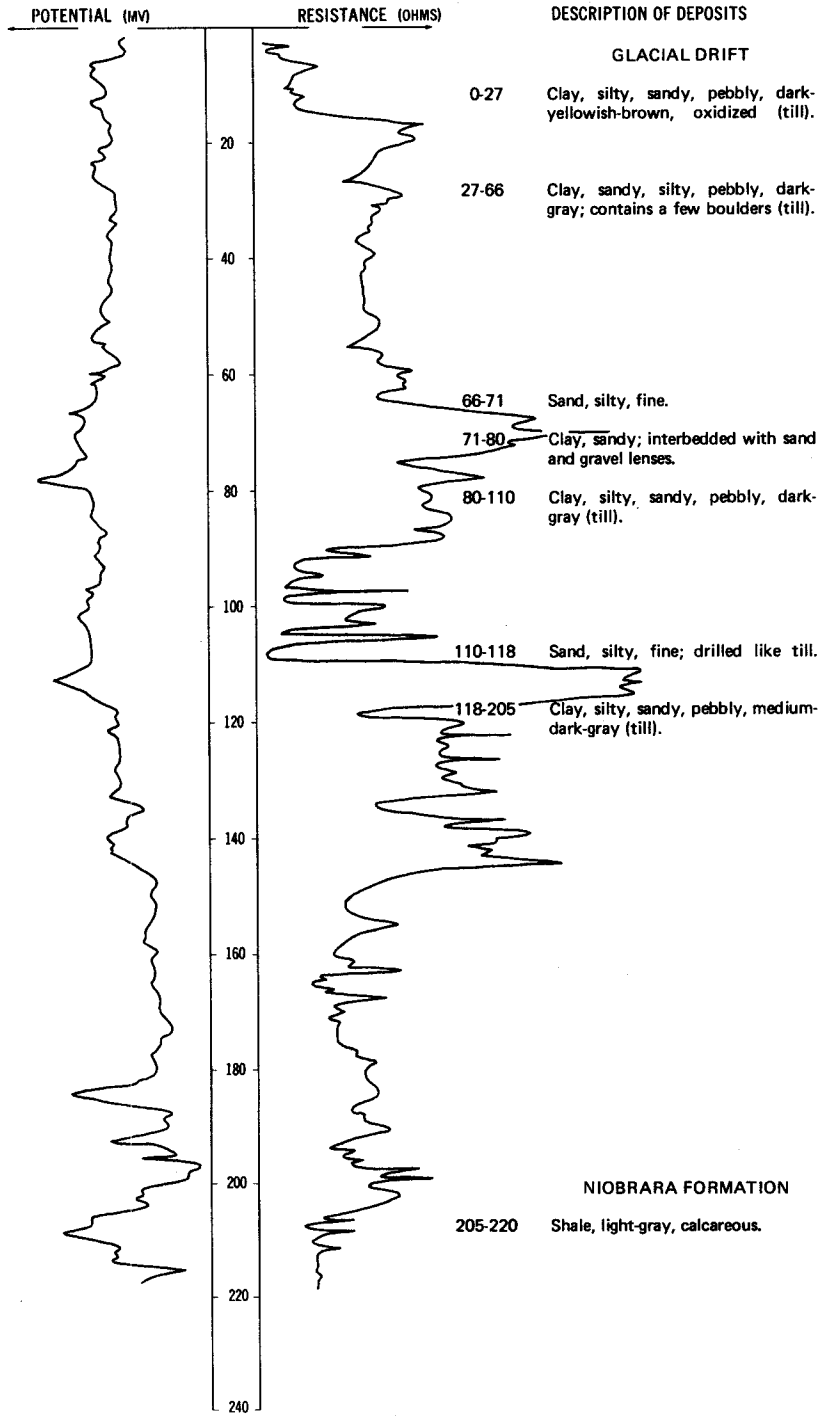
133-057-03DAC  
(Log from Robert Recker)

Date drilled: 12/24/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, light gray	14	14
	Clay, brown	19	33
	Clay, blue	19	52
	Gravel lens	1	53
	Clay, blue	39	92
	Sand and clay	10	102
	Clay, blue	9	111
	Gravel, coarse	18	129
	Sand, fine	6	135

LOCATION: 133-057-03DDD  
 ALTITUDE: 1347  
 (FT, NGVD)

DATE DRILLED: 8/22/77  
 DEPTH: 220  
 (FT)





133-057-05BAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/30/74	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	3	3
	Sand and gravel-----	27	30
	Clay-----	---	30

133-057-05BAD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/30/74	
	Topsoil-----	2	2
	Clay, sandy-----	13	15
	Sand and gravel-----	11	26
	Gravel-----	4	30

133-057-05BBD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/30/74	
	Topsoil-----	2	2
	Sand and gravel-----	30	32
	Clay-----	---	32

133-057-05BDC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/30/74	
	Topsoil-----	3	3
	Sand and gravel-----	24	27
	Clay-----	3	30

133-057-06BDC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/24/74	
	Topsoil-----	2	2
	Clay, sandy-----	8	10
	Sand and gravel-----	12	22
	Clay-----	38	60

133-057-06CCD  
(Log from Green Circle Supply Co.)

		Date drilled: 4/02/76	
	Sand, silty, brown, oxidized-----	14	14
	Gravel; 1/2 inch, clean, oxidized-----	4	18
	Shale; float; rounded pebbles from 1/8 to 1 inch; gravelly; sandy-----	4	22
	Gravel and sand, fine, rounded, black and white-----	11	33
	Cobbles, till-----	---	33

133-057-06DCB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/24/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Clay, sandy.....	8	10
	Sand and gravel.....	10	20
	Sand.....	10	30
	Clay.....	10	40

133-057-06DDA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/24/74

	Topsoil.....	2	2
	Clay, sandy.....	8	10
	Sand.....	13	23
	Clay.....	17	40

133-057-07BBB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/24/74

	Topsoil.....	2	2
	Sand and gravel.....	20	22
	Clay.....	18	40

133-057-07CCC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 4/04/67

	Topsoil.....	2	2
	Sand and gravel.....	22	24
	Till, gray.....	56	80

133-057-07CDC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 4/04/67

	Topsoil.....	2	2
	Sand and gravel.....	36	38
	Till, gray.....	42	80

133-057-07CDD  
(Log from Empire Irrigation & Drilling Co., Inc.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 4/04/67	
		THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand and gravel-----	33	35
	Sand, very fine-----	19	54
	Till, gray-----	26	80

133-057-07DA  
(Log from Traut Wells, Inc.)

		Date drilled: 12/17/76	
	Topsoil-----	3	3
	Sand, brown; 30-40 sieve-----	17	20
	Gravel, brown; 60 sieve-----	8	28
	Clay, yellow and gray-----	87	115
	Rocks-----	3	118
	Clay, sandy, gray-----	17	135
	Shale, clay, sandy, gray-----	8	143

133-057-07DBD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/24/74	
	Topsoil-----	2	2
	Sand and gravel-----	13	15
	Clay-----	25	40

133-057-08DB  
(Log from Traut Wells, Inc.)

		Date drilled: 12/18/76	
	Sand, fine, brown-----	10	10
	Sand and gravel, brown-----	8	18
	Gravel, coarse, brown-----	10	28
	Clay, gray-----	5	33
	Sand, gray-----	4	37
	Clay, sandy, gray-----	23	60

133-057-08DBB  
(Log from Traut Wells, Inc.)

		Date drilled: 2/07/77	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand, fine, brown-----	6	8
	Clay, yellow, sandy-----	7	15
	Sand; 40 slot; brown-----	5	20
	Sand; 20 slot; with fines-----	2	22
	Clay, gray-----	40	62
	Clay, sandy, gray-----	128	190
	Clay, hard, gray, and lignite-----	30	220

133-057-08DCC  
(Log from Traut Wells, Inc.)

		Date drilled: 2/07/77	
	Topsoil-----	2	2
	Sand, fine, brown-----	6	8
	Clay, brown and yellow-----	11	19
	Sand; 30-40 slot; clayey-----	11	30
	Clay, gray-----	10	40

133-057-10AAA  
(Log from Robert Recker)

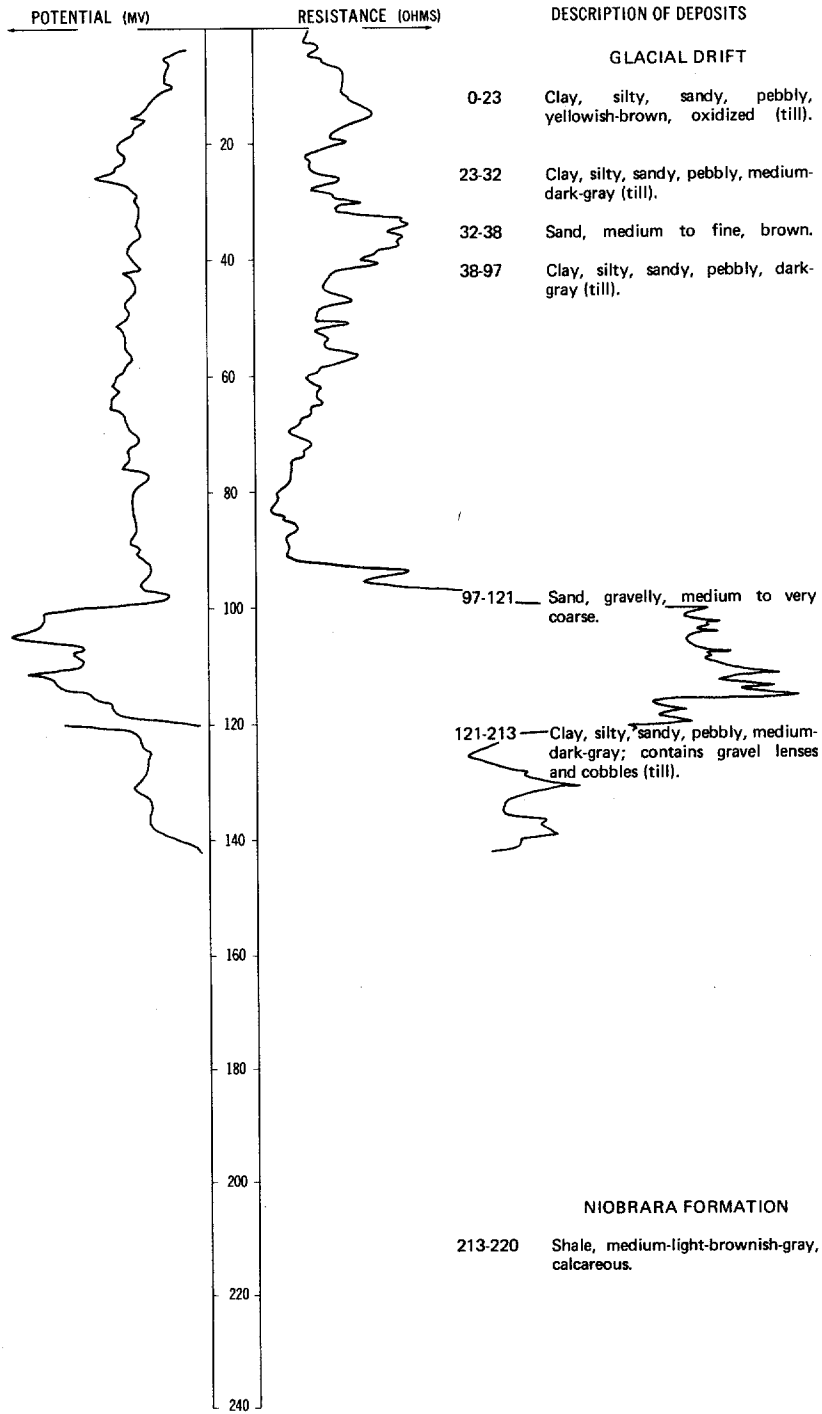
		Date drilled: 8/01/72	
	Topsoil, black-----	3	3
	Clay, yellow-----	26	29
	Clay, bluish-gray-----	73	102
	Gravel-----	3	105
	Clay, blue-----	3	108
	Clay and gravel-----	4	112
	Gravel, coarse-----	11	123
	Sand, coarse, white-----	7	130

LOCATION: 133-057-10AAB

DATE DRILLED: 8/22/77

ALTITUDE: 1355  
(FT, NGVD)

DEPTH: 220  
(FT)

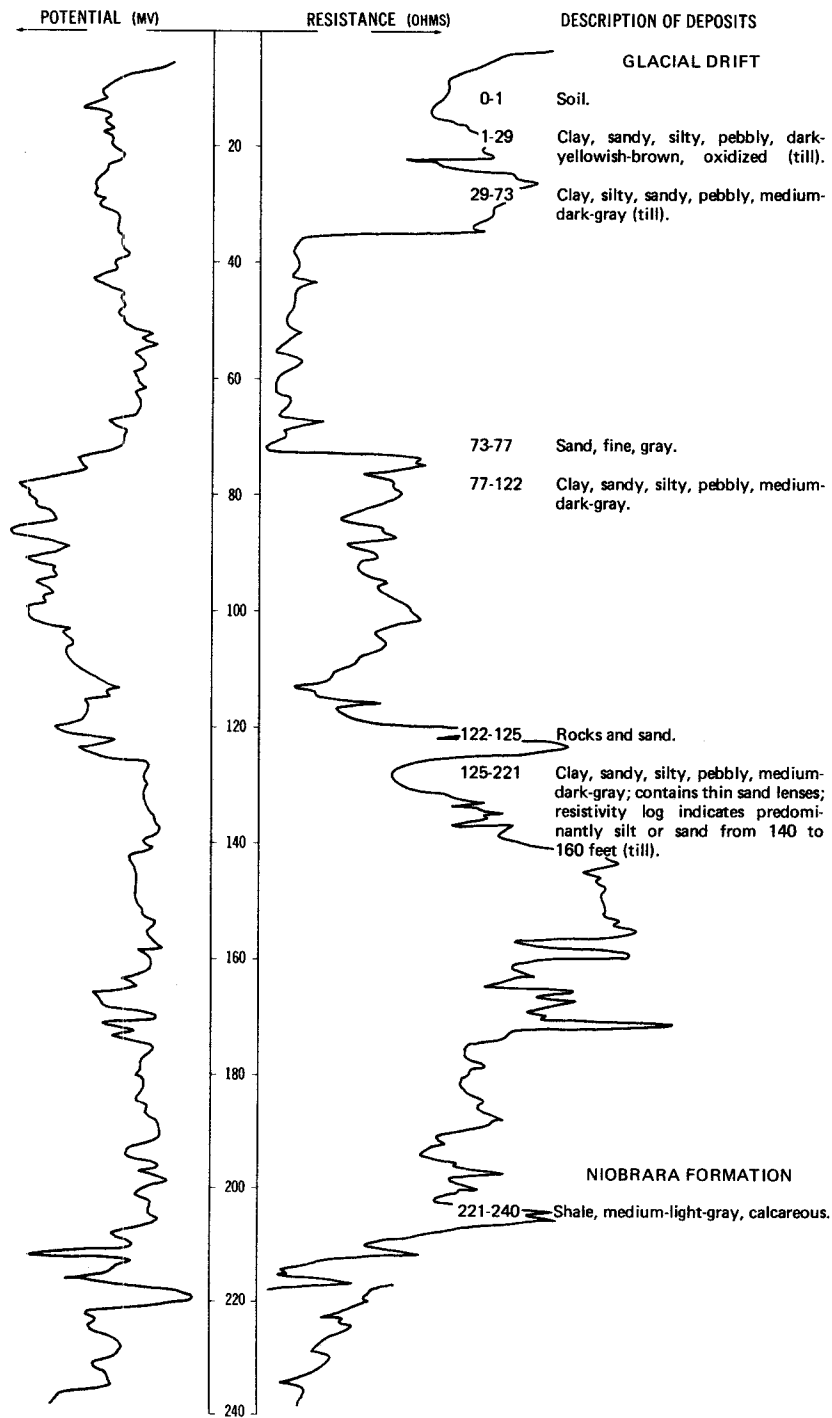


LOCATION: 133-057-10ABB

DATE DRILLED: 8/22/77

ALTITUDE: 1375  
(FT, NGVD)

DEPTH: 240  
(FT)

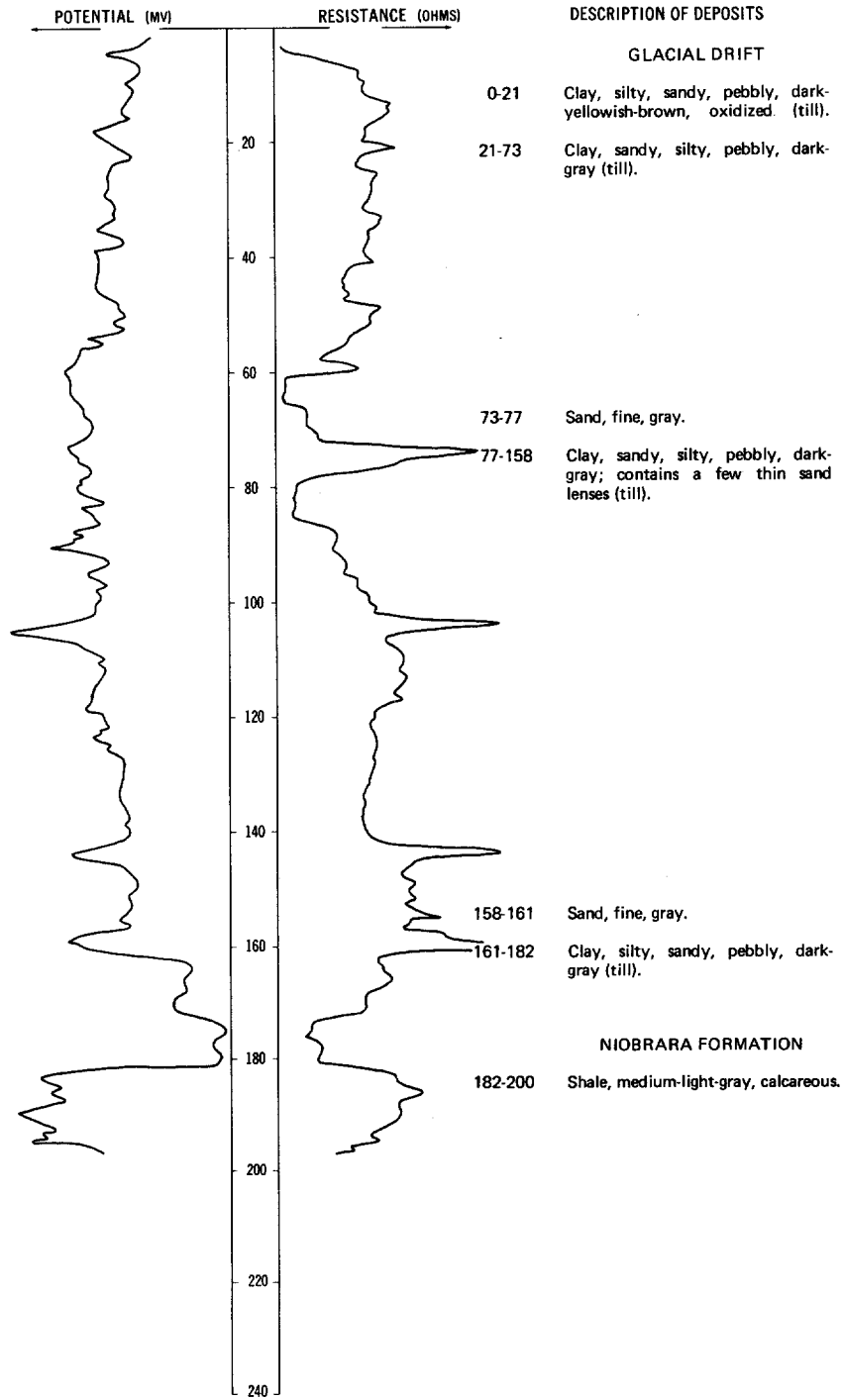


LOCATION: 133-057-13AAD

DATE DRILLED: 8/22/77

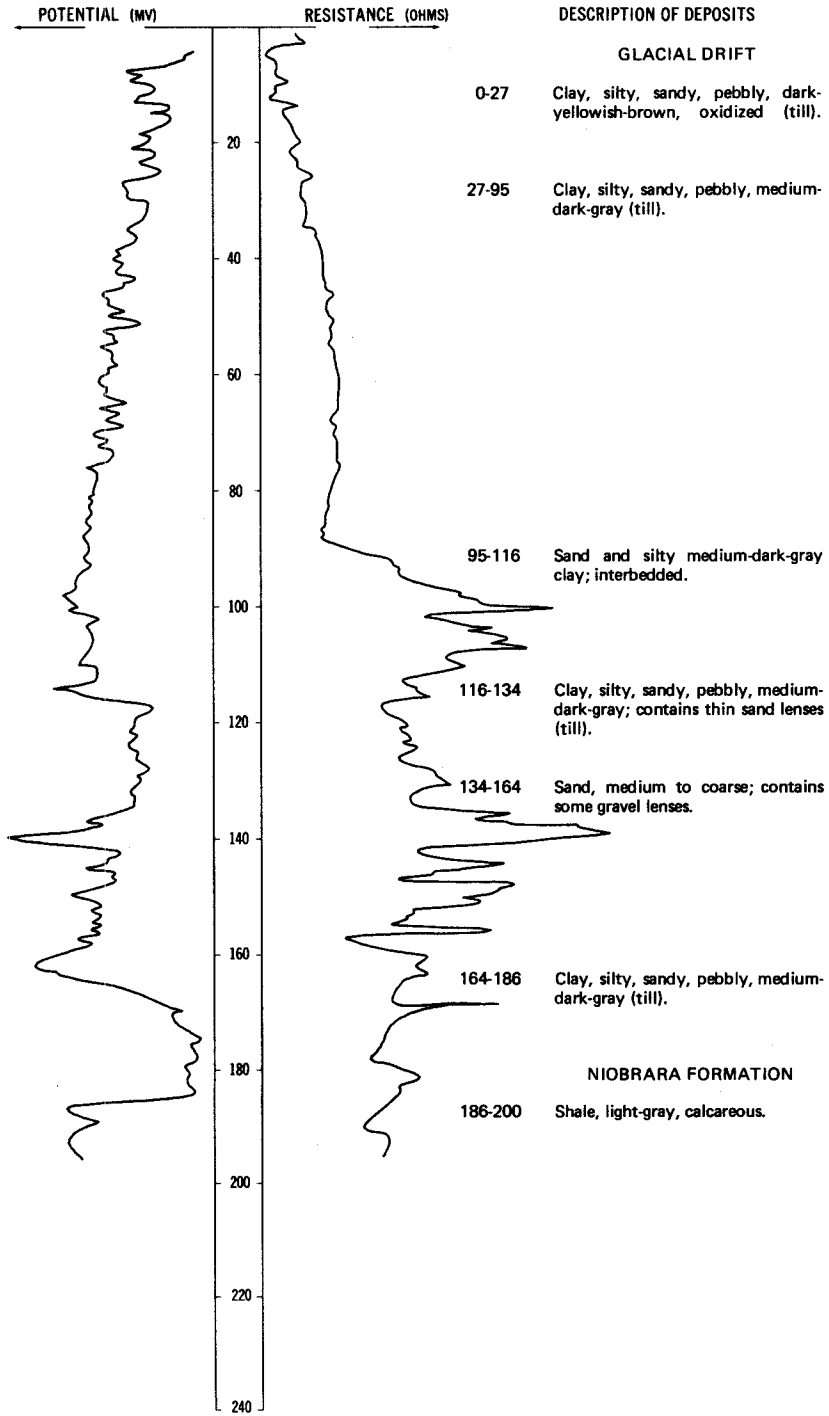
ALTITUDE: 1311  
(FT, NGVD)

DEPTH: 200  
(FT)



LOCATION: 133-057-14DCC  
 ALTITUDE: 1335  
 (FT, NGVD)

DATE DRILLED: 8/17/77  
 DEPTH: 200  
 (FT)



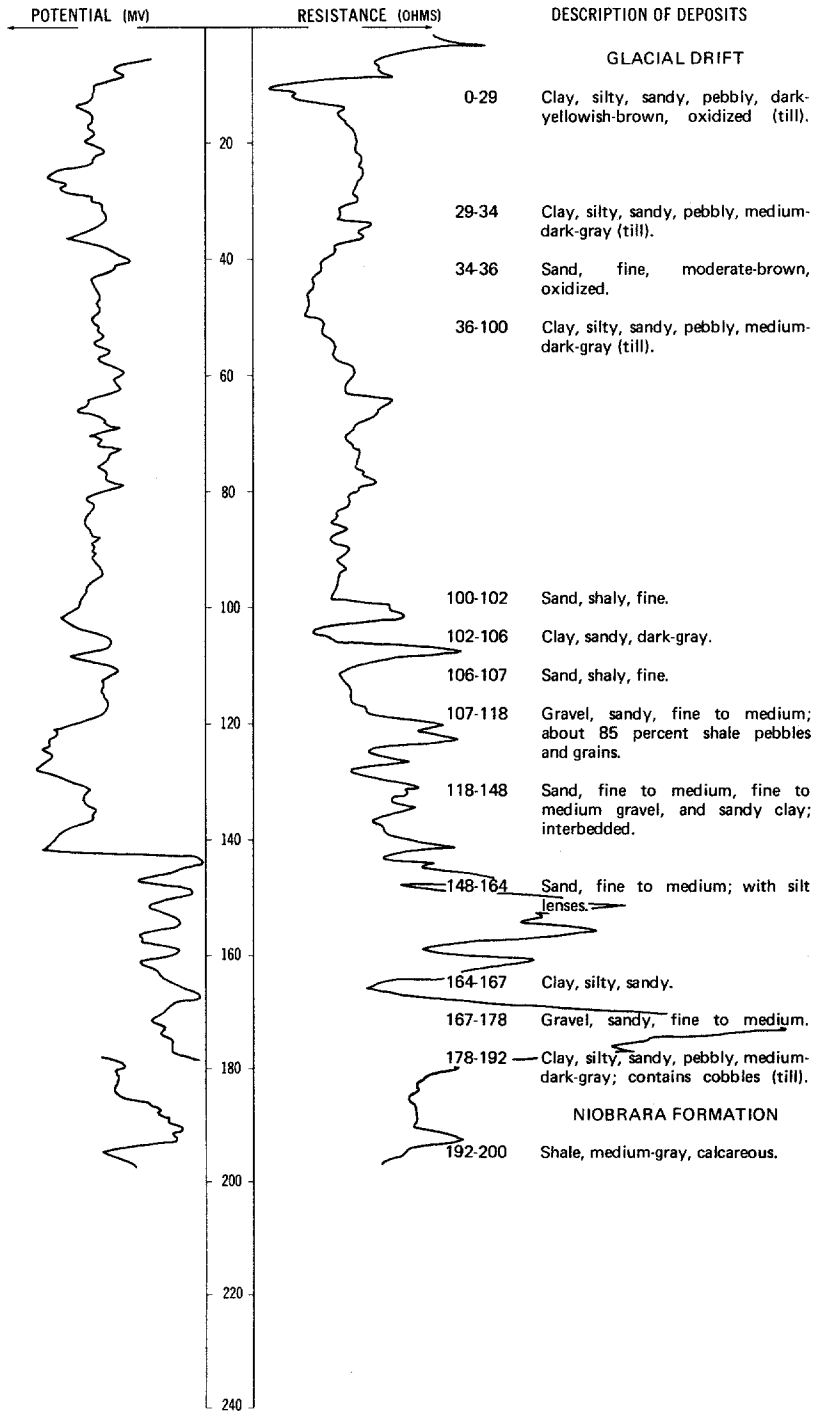


LOCATION: 133-057-14DDD

DATE DRILLED: 8/19/77

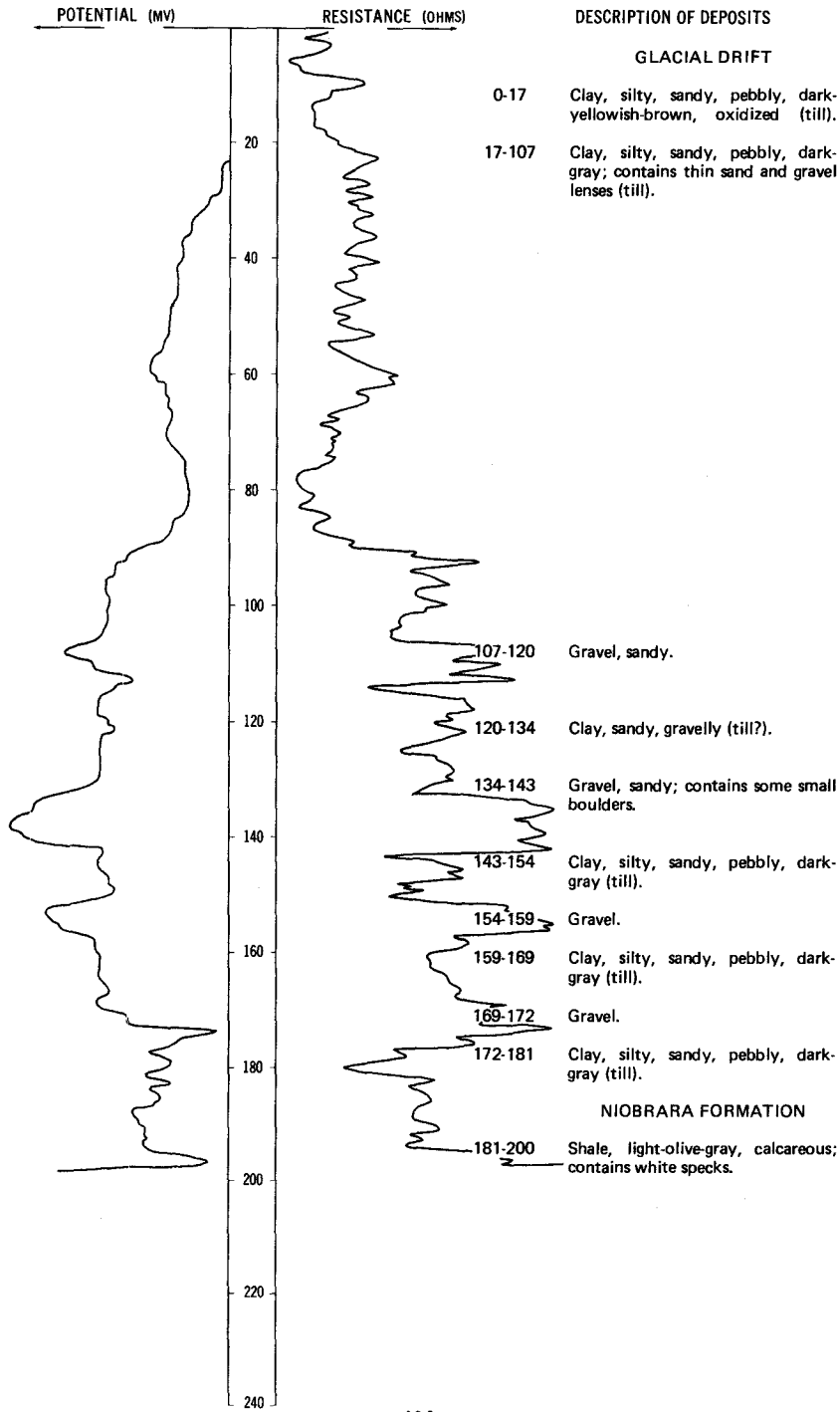
ALTITUDE: 1330  
(FT, NGVD)

DEPTH: 200  
(FT)



LOCATION: 133-057-15DAA  
 ALTITUDE: 1346  
 (FT, NGVD)

DATE DRILLED: 10/23/75  
 DEPTH: 200  
 (FT)



133-057-16CDD  
(Log from Robert Recker)

		Date drilled:	8/16/72
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, yellow-----	15	17
	Rock-----	1	18
	Clay, yellow-----	3	21
	Clay, bluish-gray-----	51	72
	Gravel, coarse-----	1	73
	Clay, blue-----	10	83
	Gravel-----	2	85
	Clay, blue-----	64	149
	Clay and sand-----	3	152
	Rock-----	1	153
	Gravel, coarse-----	9	162
	Sand, white-----	8	170

133-057-17BAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1322 feet		Date drilled:	10/25/74
	Topsoil-----	2	2
	Clay, sandy-----	6	8
	Sand and gravel-----	27	35
	Clay-----	5	40

133-057-17BCA  
(Log from Empire Irrigation & Drilling Co., Inc.)

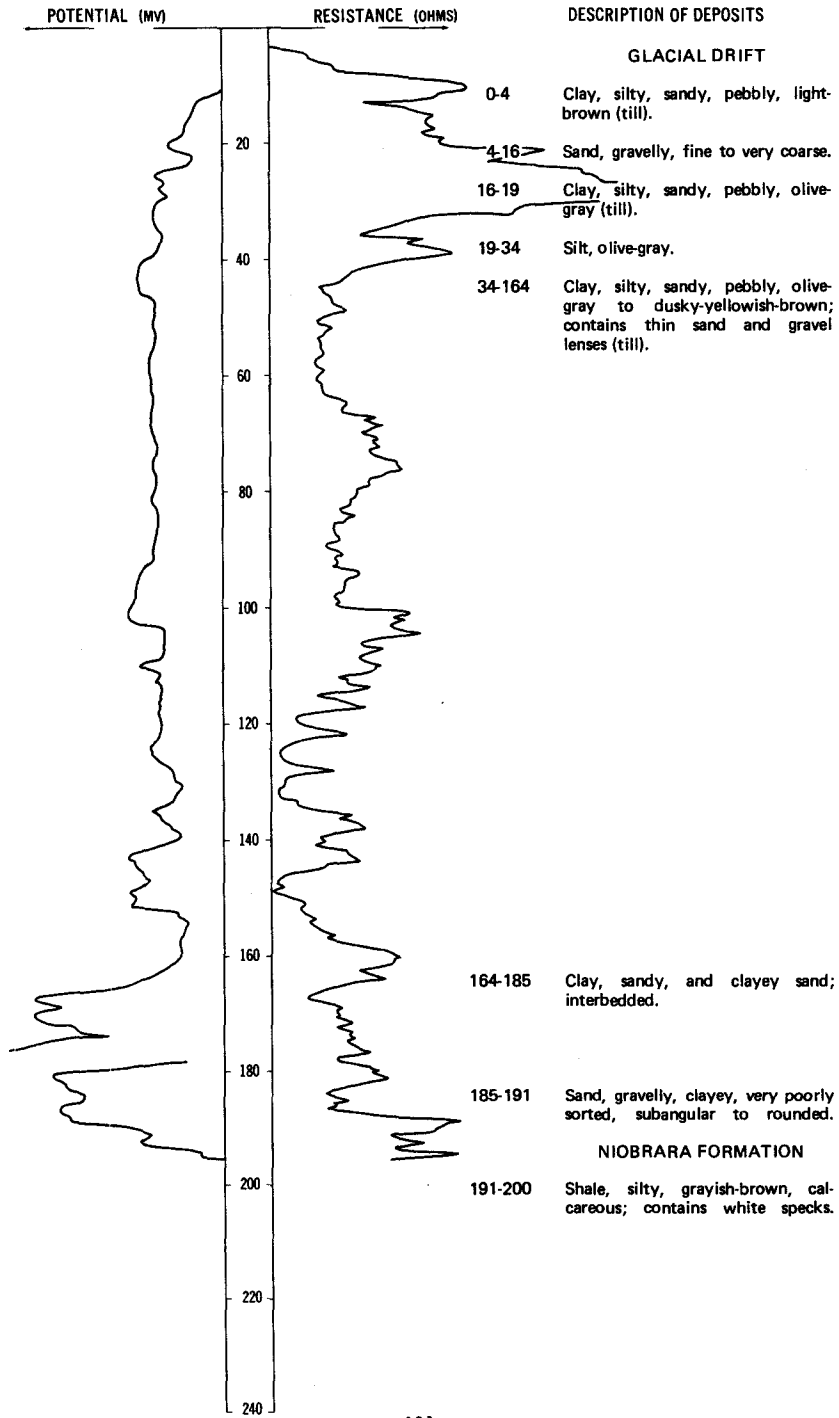
Altitude: 1325 feet		Date drilled:	10/25/74
	Topsoil-----	2	2
	Clay, sandy-----	4	6
	Sand and gravel-----	37	43
	Clay-----	17	60

133-057-17BCD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1320 feet		Date drilled:	10/25/74
	Topsoil-----	2	2
	Clay, sandy-----	5	7
	Sand-----	27	34
	Clay-----	6	40

LOCATION: 133-057-18AAA  
ALTITUDE: 1322  
(FT, NGVD)

DATE DRILLED: 6/23/76  
DEPTH: 200  
(FT)



133-057-18BCB  
(Log from Green Circle Supply Co.)

Date drilled: 2/23/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, fine, oxidized-----	4	5
	Sand, medium, oxidized-----	5	10
	Sand, fine, cleaner-----	5	15
	Sand and gravel; fines; oxidized-----	5	20
	Sand and gravel, dirty-----	5	25
	Clay, pebbly, gray, soft-----	10	35
	Clay, pebbly, gray, moist-----	7	42

133-057-18BCC1  
(Log from Green Circle Supply Co.)

Date drilled: 2/25/75

	Topsoil, black-----	1	1
	Sand, fine, oxidized-----	11	12
	Sand and gravel, cleaner-----	7	19
	Clay, pebbly, soft, moist-----	3	22

133-057-18BCC2  
(Log from Green Circle Supply Co.)

Date drilled: 2/26/76

	Topsoil-----	1	1
	Sand, fine, dirty-----	4	5
	Sand, medium to coarse, dirty-----	10	15
	Sand and gravel, coarse, clean-----	8	23
	Clay, pebbly-----	7	30
	Clay, pebbly, gray-----	10	40

133-057-18BCD  
(Log from Green Circle Supply Co.)

Date drilled: 2/28/76

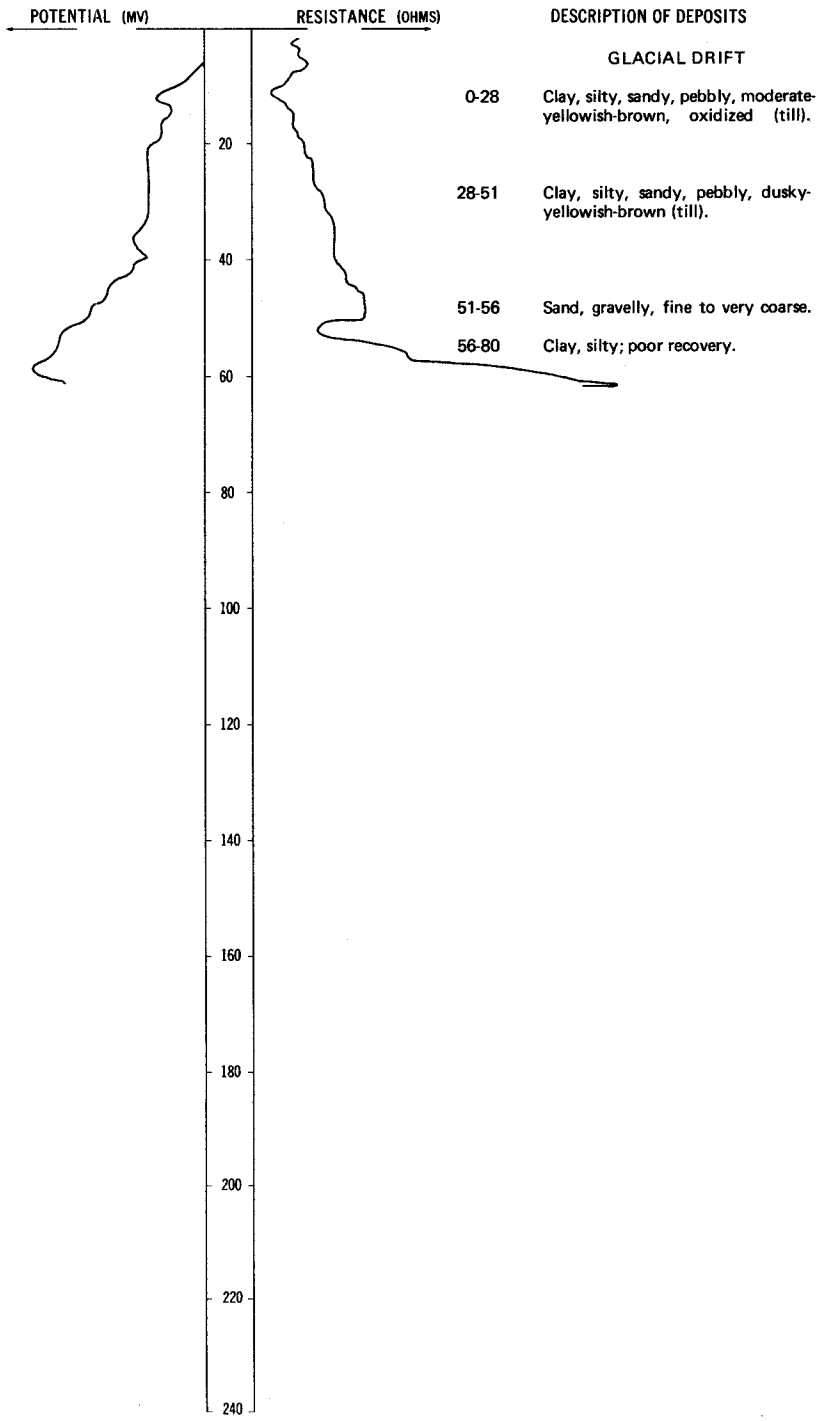
	Topsoil-----	1	1
	Sand, fine, oxidized-----	9	10
	Sand and gravel; taking water-----	10	20
	Sand and gravel, medium to coarse-----	14	34
	Clay-----	8	42

LOCATION: 133-057-19DCC1

DATE DRILLED: 6/17/76

ALTITUDE: 1345  
(FT, NGVD)

DEPTH: 80  
(FT)

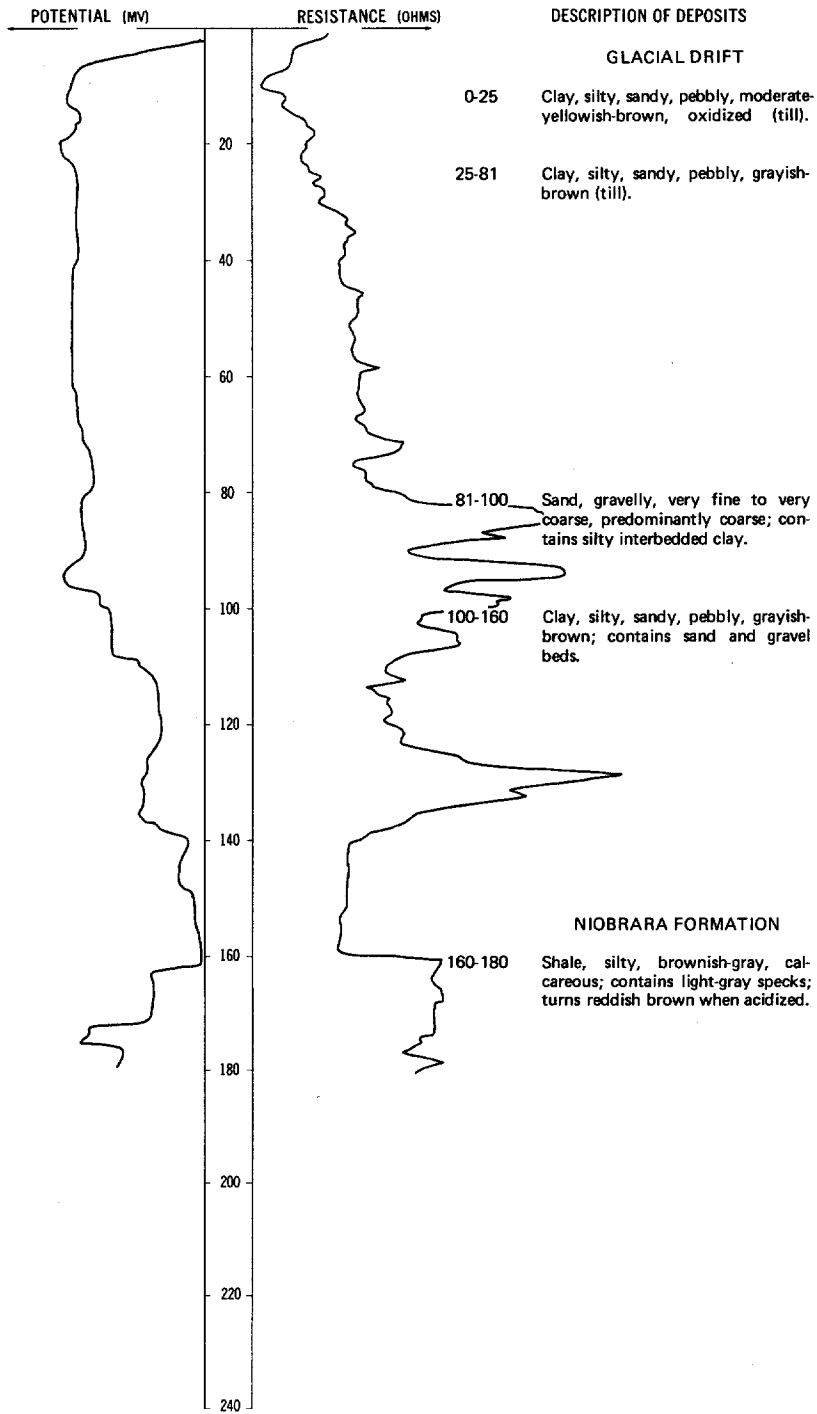


LOCATION: 133-057-19DCC2

DATE DRILLED: 6/17/76

ALTITUDE: 1345  
(FT, NGVD)

DEPTH: 180  
(FT)



133-057-19DCC3  
(Log from Empire Irrigation & Drilling Co., Inc.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 6/21/74	
		THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay-----	6	8
	Sand and gravel-----	52	60

133-057-22ABA  
(Log from Robert Recker)

		Date drilled: 5/03/77	
	Dirt, black-----	5	5
	Clay, yellow-----	19	24
	Clay, blue-----	106	130
	Gravel, coarse-----	3	133
	Clay, light-gray-----	3	136
	Clay; sand embedded-----	4	140
	Gravel, coarse-----	3	143
	Clay, sandy, blue-----	7	150
	Clay, blue-----	34	184
	Sand, coarse, gravelly-----	38	222
	Clay, blue-----	43	265

133-057-22ACA  
(Log from Robert Recker)

		Date drilled: 4/27/77	
	Dirt, black-----	5	5
	Clay, yellow-----	18	23
	Clay, blue-----	85	108
	Clay, sandy, gravelly-----	9	117
	Gravel, coarse-----	1	118
	Clay, blue-----	24	142
	Sand, coarse-----	1	143
	Clay, blue-----	22	165
	Sand and clay-----	10	175
	Sand, fine-----	3	178
	Clay, blue-----	115	293
	Bedrock-----	2	295



133-057-22ADB  
(Log from Robert Recker)

		Date drilled: 5/02/77	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	5	5
	Clay, yellow-----	13	18
	Clay, blue-----	28	46
	Sand and gravel-----	2	48
	Clay, sandy, gravelly-----	20	68
	Clay, blue-----	29	97
	Sand, fine-----	10	107
	Clay, blue-----	13	120
	Sand, fine, and blue clay-----	5	125
	Sand, fine-----	10	135
	Gravel, coarse-----	7	142
	Clay; sand embedded-----	13	155
	Clay, blue-----	5	160
	Sand, coarse-----	7	167
	Clay, blue-----	98	265

133-057-22ADD  
(Log from Robert Recker)

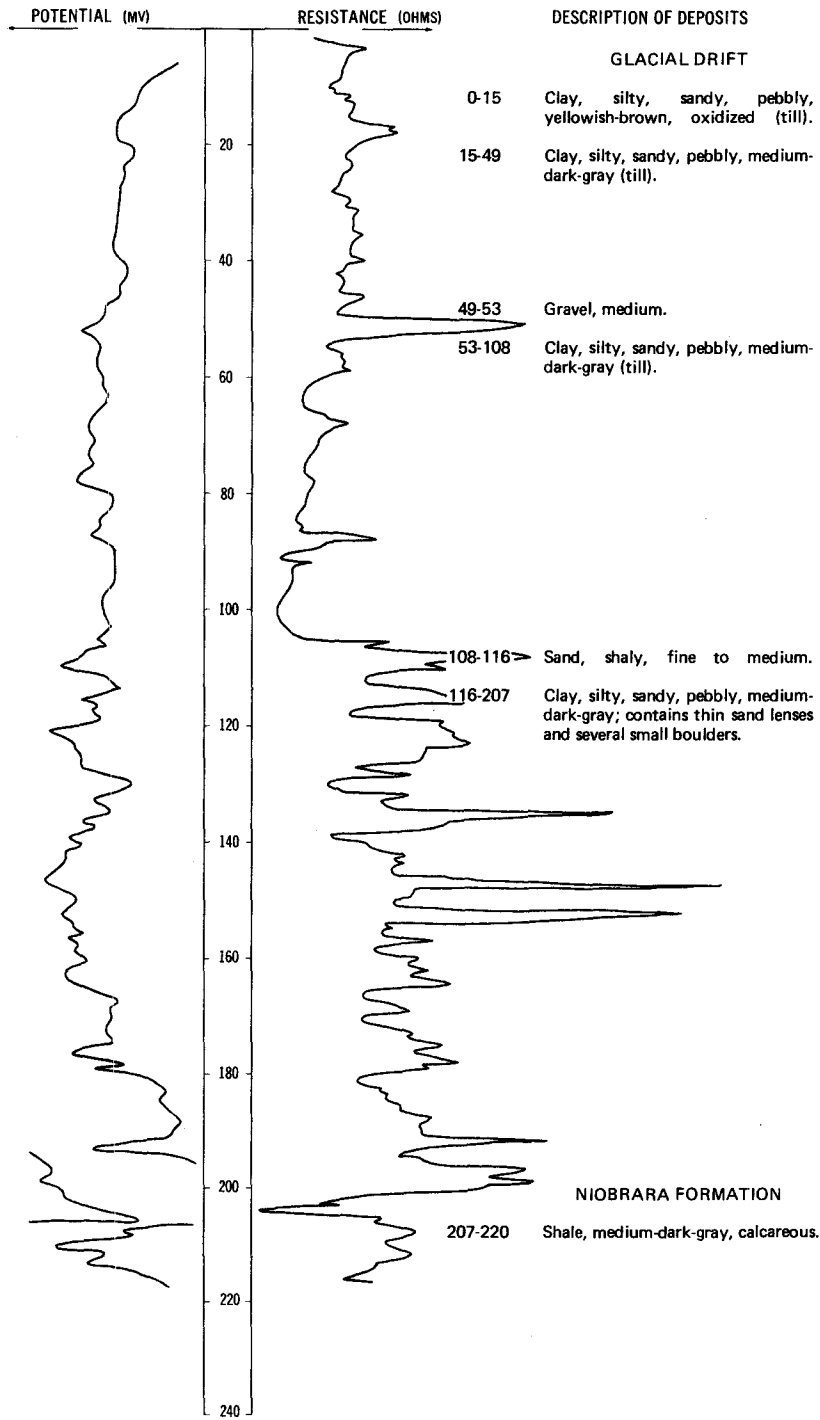
		Date drilled: 5/13/77	
	Dirt, black-----	5	5
	Clay, yellow-----	21	26
	Clay, blue-----	49	75
	Gravel, coarse-----	3	78
	Clay, blue-----	48	126
	Sand, coarse; 1/16 to 1/8 inch-----	13	139
	Sand, coarse; 1/8 to 3/8 inch-----	14	153
	Clay, blue-----	2	155

LOCATION: 133-057-22BBB

DATE DRILLED: 8/19/77

ALTITUDE: 1370  
(FT, NGVD)

DEPTH: 220  
(FT)



133-057-22BBB  
 (Log from Robert Recker)

Date drilled: 4/26/77

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, silt, black-----	5	5
	Clay, yellow-----	23	28
	Clay, blue-----	48	76
	Gravel, coarse, and blue clay-----	5	81
	Clay, blue-----	37	118
	Gravel-----	2	120
	Clay, blue-----	25	145
	Sand and gravel, coarse-----	2	147
	Clay, blue-----	26	173
	Sand, coarse-----	71	244
	Gravel, coarse; 1/8 to 3/8 inch-----	17	261
	Clay, blue-----	4	265

133-057-23AAA  
 (Log from Robert Recker)

Date drilled: 11/29/75

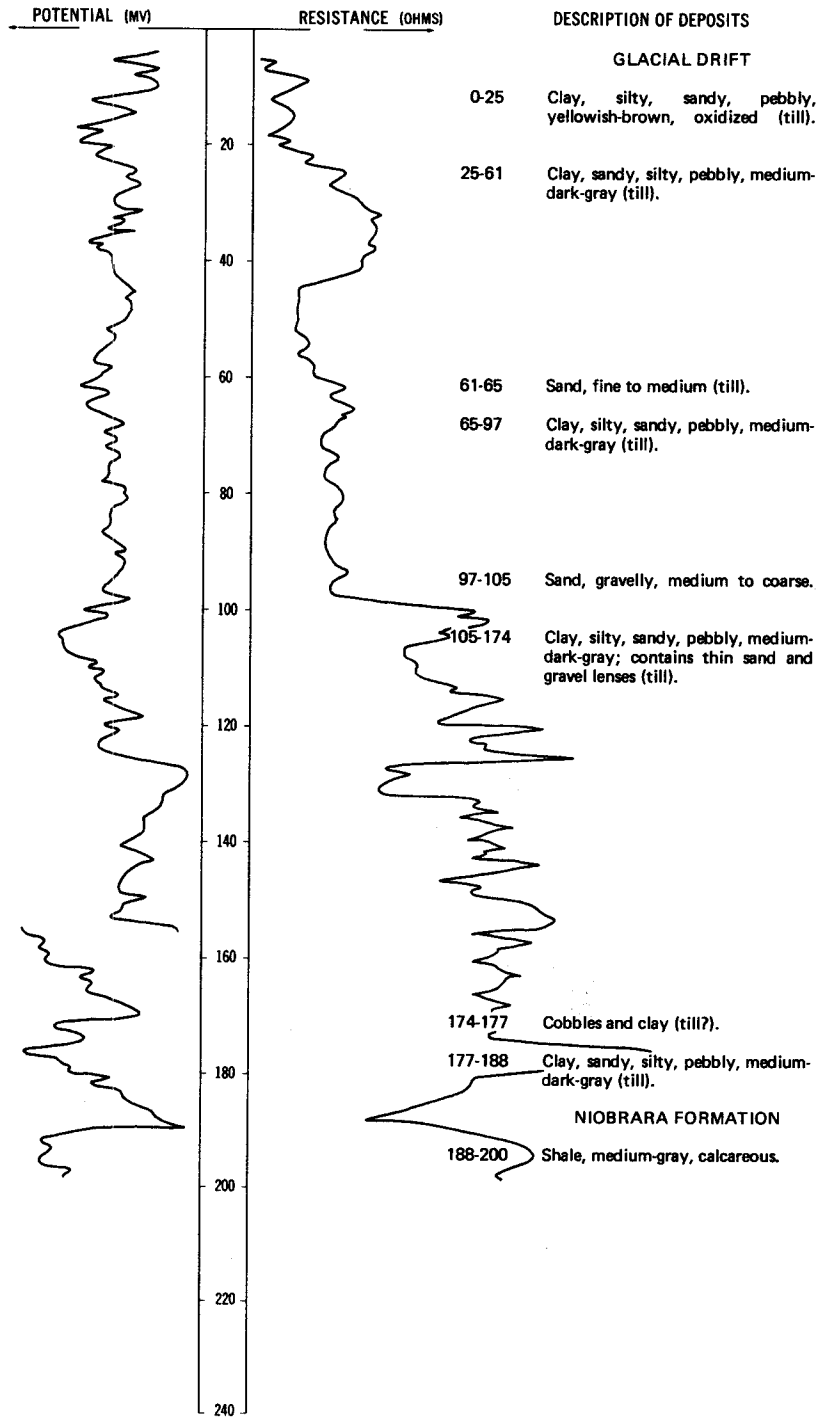
	Dirt, black-----	5	5
	Clay, yellow-----	21	26
	Clay, blue-----	47	73
	Clay, blue, and gravel-----	11	84
	Clay, blue-----	20	104
	Sand, fine-----	2	106
	Clay, blue-----	13	119
	Gravel, coarse-----	4	123
	Clay, blue-----	11	134
	Gravel-----	11	145
	Sand, fine-----	1	146
	Clay, blue-----	4	150
	Gravel, coarse-----	13	163

LOCATION: 133-057-2388B

DATE DRILLED: 8/17/77

ALTITUDE: 1347  
(FT, NGVD)

DEPTH: 200  
(FT)



133-057-23CCC  
(Log from Robert Recker)

Date drilled: 8/03/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	3	3
	Clay, yellow-----	23	26
	Clay, blue-----	69	95
	Gravel, coarse, and blue clay-----	7	102
	Clay, blue-----	27	129
	Sand, fine to medium-----	10	139
	Gravel, coarse-----	8	147

133-057-25BBA  
(Log from Robert Recker)

Date drilled: 8/26/72

	Dirt, black-----	2	2
	Clay, yellow-----	29	31
	Clay, blue-----	49	80
	Gravel and rocks-----	2	82
	Clay, blue-----	21	103
	Sand and gravel-----	12	115

133-057-30CCA  
(Log from K & K Drilling, Inc.)

Date drilled: 5/19/77

	Topsoil-----	1	1
	Gravel-----	15	16
	Clay, blue-----	84	100

133-057-30CCB  
(Log from K & K Drilling, Inc.)

Date drilled: 5/19/77

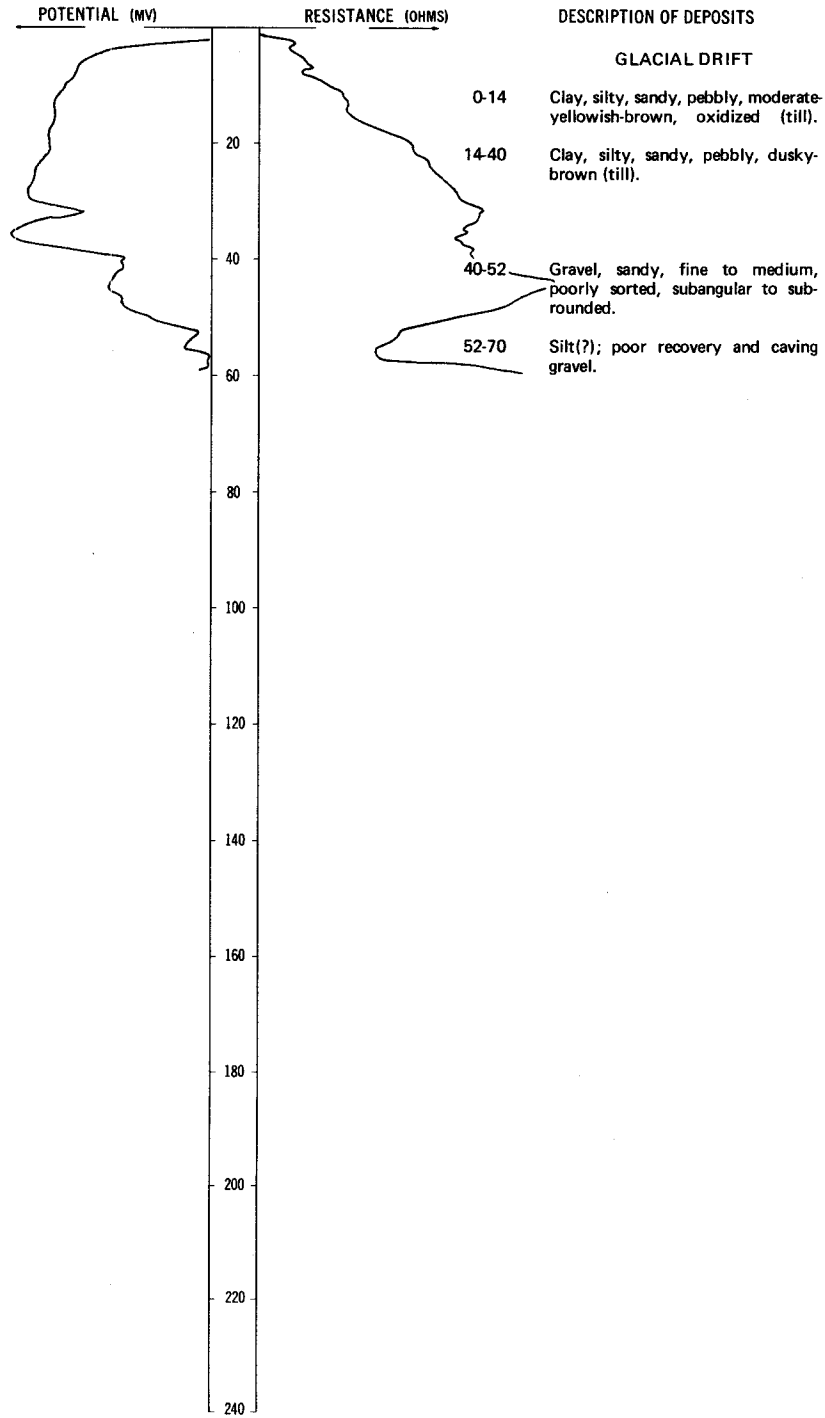
	Topsoil-----	1	1
	Clay, yellow-----	4	5
	Gravel-----	12	17
	Clay, blue-----	20	37
	Gravel-----	8	45
	Clay, blue-----	55	100

LOCATION: 133-057-30CCD

DATE DRILLED: 6/16/76

ALTITUDE: 1315  
(FT, NGVD)

DEPTH: 70  
(FT)

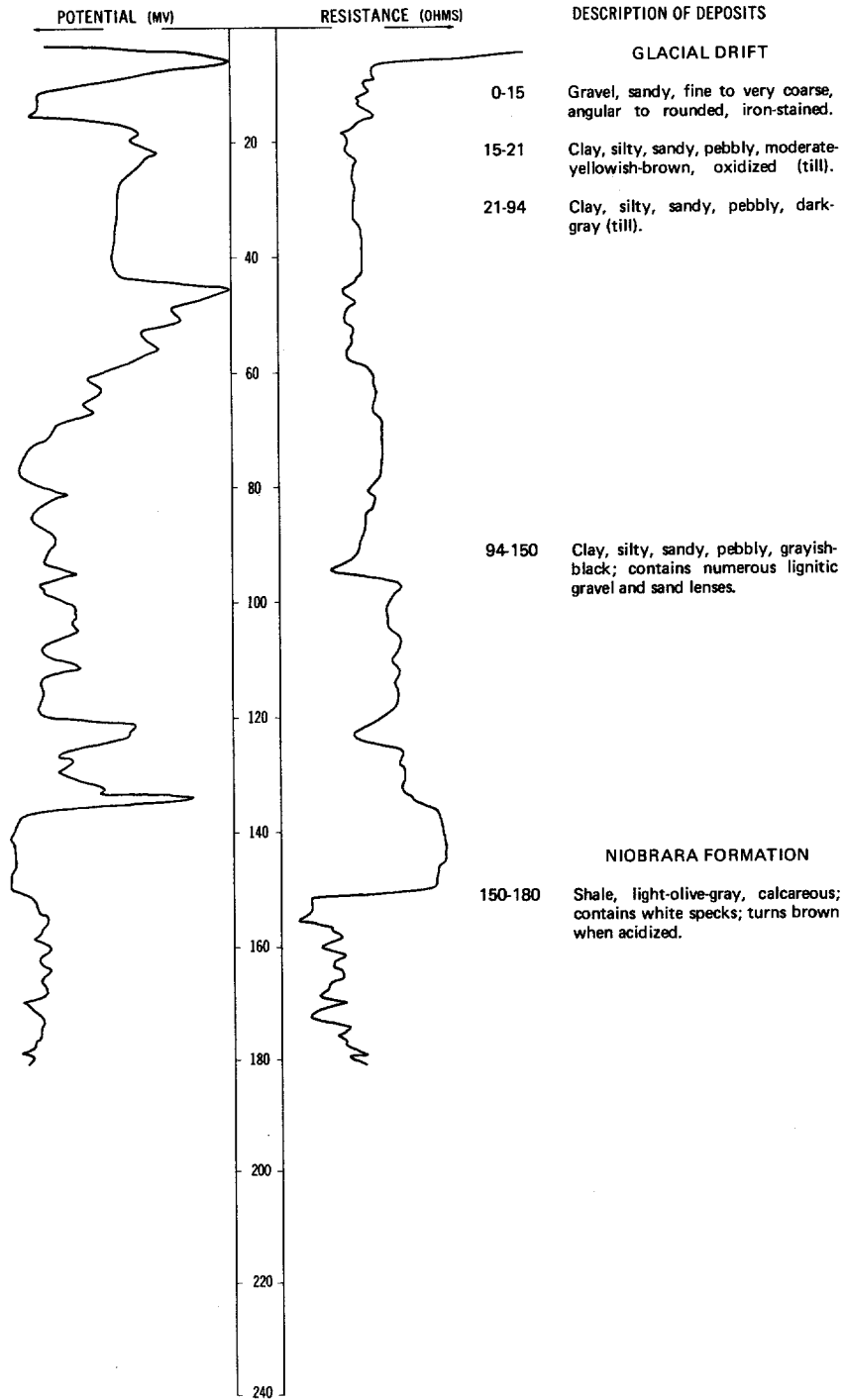


LOCATION: 133-057-30DDC

DATE DRILLED: 5/22/75

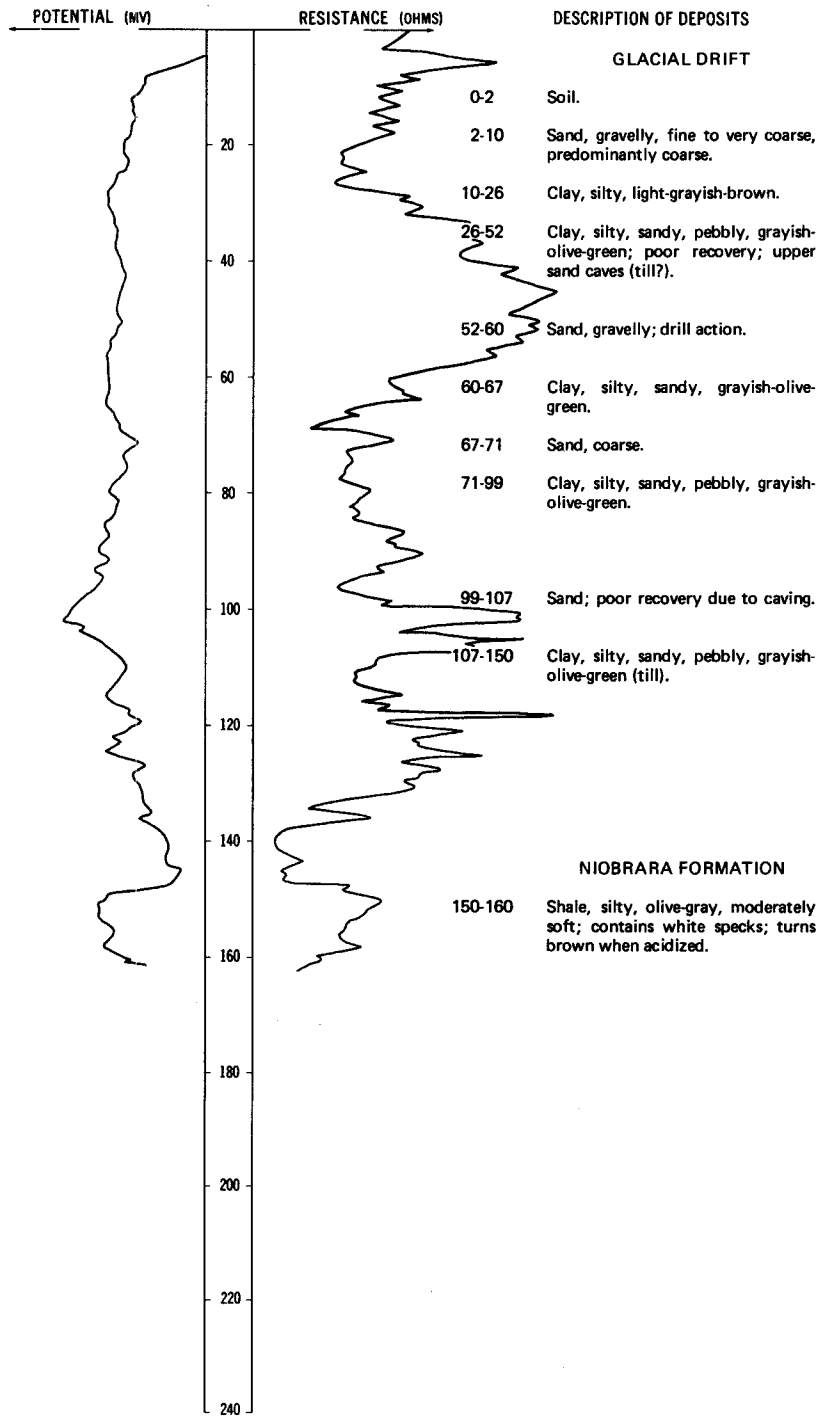
ALTITUDE: 1325  
(FT, NGVD)

DEPTH: 180  
(FT)



LOCATION: 133-057-31ABA  
 ALTITUDE: 1326  
 (FT, NGVD)

DATE DRILLED: 6/16/76  
 DEPTH: 160  
 (FT)





133-057-31CDB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 4/09/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Sand.....	16	18
	Clay.....	45	63
	Gravel, large.....	25	88
	Clay.....	2	90

133-057-31DCB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 8/01/74

	Topsoil.....	2	2
	Sand.....	16	18
	Clay, silty.....	45	63
	Gravel and boulders.....	24	87

133-057-34ADA  
(Log from Robert Recker)

Date drilled: 8/26/74

	Dirt, black.....	4	4
	Clay, yellow.....	12	16
	Clay, brown.....	15	31
	Clay, blue.....	91	122
	Gravel.....	6	128
	Rock; 8 inches thick.....	.7	128.7
	Clay, blue.....	12.3	141
	Sand and gravel.....	9	150

133-058-01CBA  
(Log from Adair Drilling Co.)

Date drilled: 12/ /76

	Topsoil.....	1	1
	Sand and gravel.....	14	15
	Sand, coarse, and gravel.....	72	87

133-058-01CDD  
(Log from Green Circle Supply Co.)

Date drilled: 12/06/75

	Topsoil.....	0.8	0.8
	Clay, yellow, gravelly.....	12.2	13
	Sand and gravel, oxidized.....	8	21
	Clay, silty, brown.....	4	25
	Clay (till), moist.....	15	40
	Clay (till), gray.....	46	86
	Lignite and till.....	2	88
	Clay, silty.....	6	94
	Clay (till), moist.....	56	150
	Clay (till), gray.....	55	205
	Shale.....	15	220

133-058-01DDB  
(Log from Adair Drilling Co.)

		Date drilled: 9/29/76	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand and gravel-----	19	20
	Sand and gravel, coarse-----	20	40
	Shale-----	5	45
	Sand and gravel, medium-----	5	50
	Sand, fine-----	10	60
	Clay, sandy-----	5	65
	Sand, fine-----	5	70
	Sand, fine, and clay-----	15	85
	Clay, sandy-----	12	97
	Sand and gravel-----	6	103
	Clay-----	12	115

133-058-02BBB  
(Log from Robert Recker)

		Date drilled: 8/30/76	
	Dirt, black-----	2	2
	Clay, yellow-----	3	5
	Gravel-----	2	7
	Clay, yellow-----	6	13
	Sand, fine-----	14	27
	Clay, yellow-----	2	29
	Clay, blue-----	12	41
	Gravel, coarse-----	2	43
	Clay, blue-----	46	89
	Gravel, fine; sand; and blue clay-----	4	93
	Sand, coarse, and blue clay-----	8	101
	Gravel, coarse-----	6	107

133-058-11ABC1  
(Log from Green Circle Supply Co.)

		Date drilled: 2/15/75	
	Topsoil-----	1.5	1.5
	Sand, brown, and gravel-----	14.5	16
	Sand, coarse, brown-----	4	20
	Gravel, grayish, and some coarse aggregate; 1/8 to 1/2 inch-----	10	30
	Gravel-----	24	54
	Till, gray, moist, plastic-----	6	60

133-058-11ABC2  
(Log from Stevens Well Drilling Co., Inc.)

		Date drilled: 6/11/75	
	Topsoil-----	1	1
	Gravel, coarse-----	24	25
	Gravel-----	28	53

133-058-11CCC  
NDSWC 4887

Altitude: 1340 feet

Date drilled: 11/04/75

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

Glacial drift:

Clay, silty, sandy, pebbly, yellowish-brown, oxidized (till)	31	31
Clay, silty, sandy, pebbly, olive-gray; contains sand lenses	122	153
Gravel	24	177
Boulders and clay	63	240

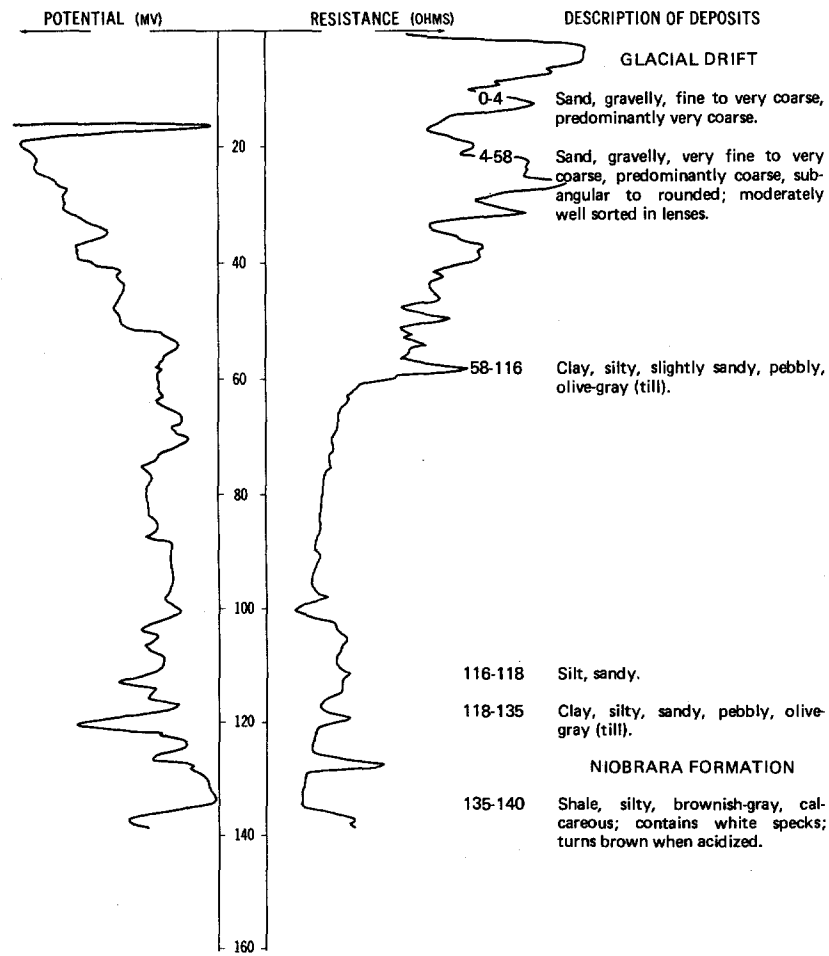
NDSWC 9610, 9610A

LOCATION: 133-058-11DCC1.2

DATE DRILLED: 6/23/76

ALTITUDE: 1322  
(FT, NGVD)

DEPTH: 140  
(FT)

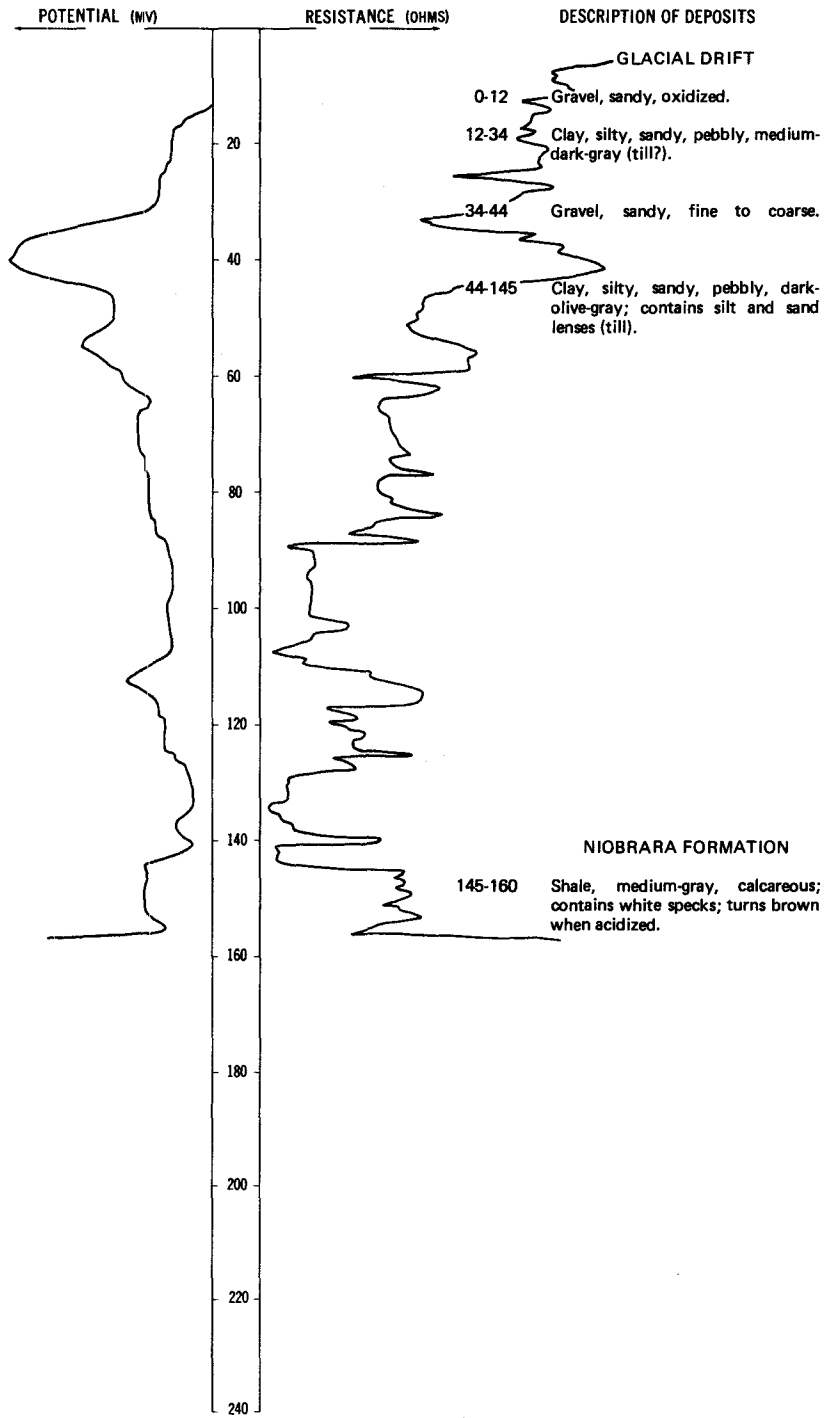


LOCATION: 133-058-12AAA

DATE DRILLED: 11/04/75

ALTITUDE: 1327  
(FT, NGVD)

DEPTH: 160  
(FT)

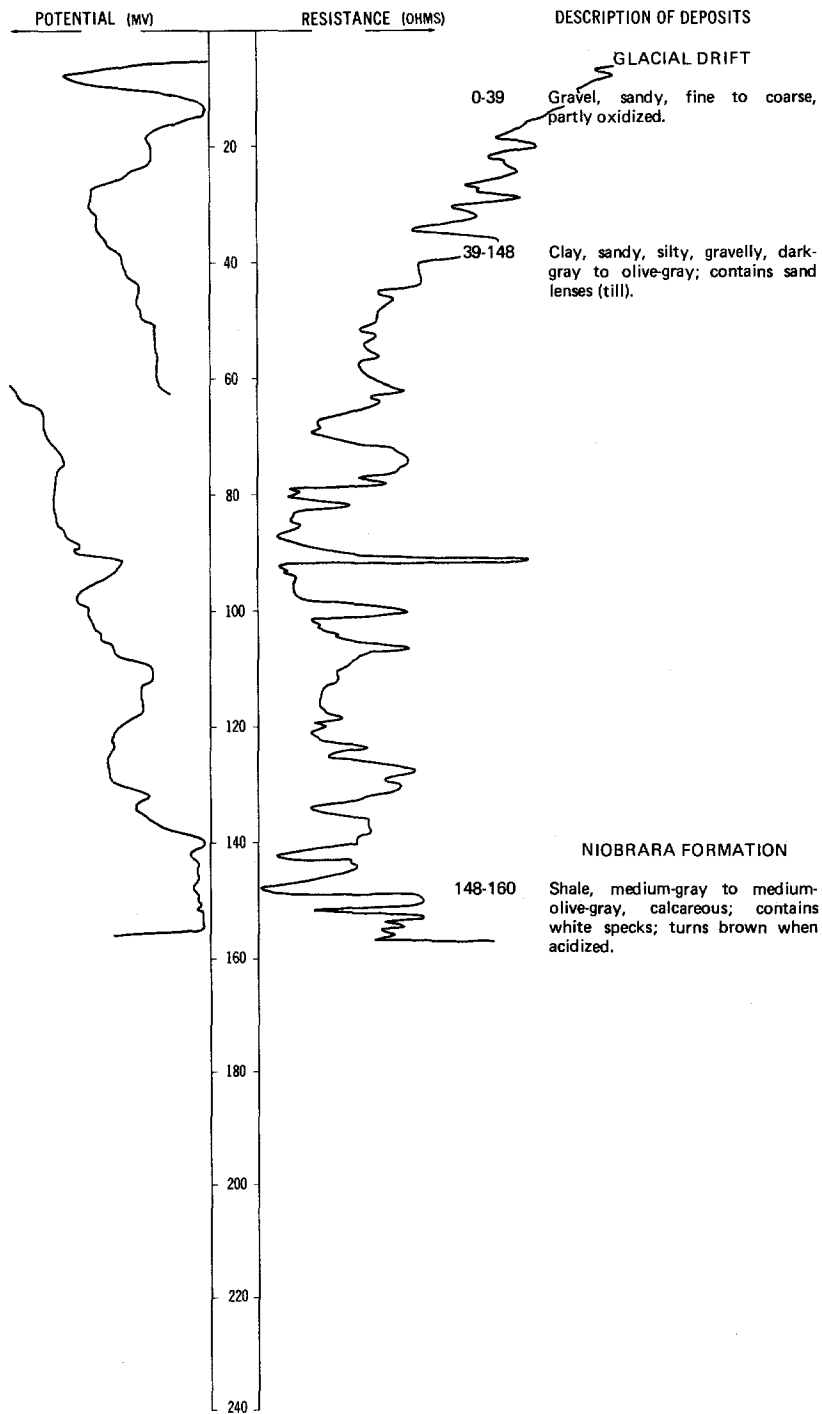


LOCATION: 133-058-12BBB

DATE DRILLED: 11/04/75

ALTITUDE: 1335  
(FT, NGVD)

DEPTH: 160  
(FT)

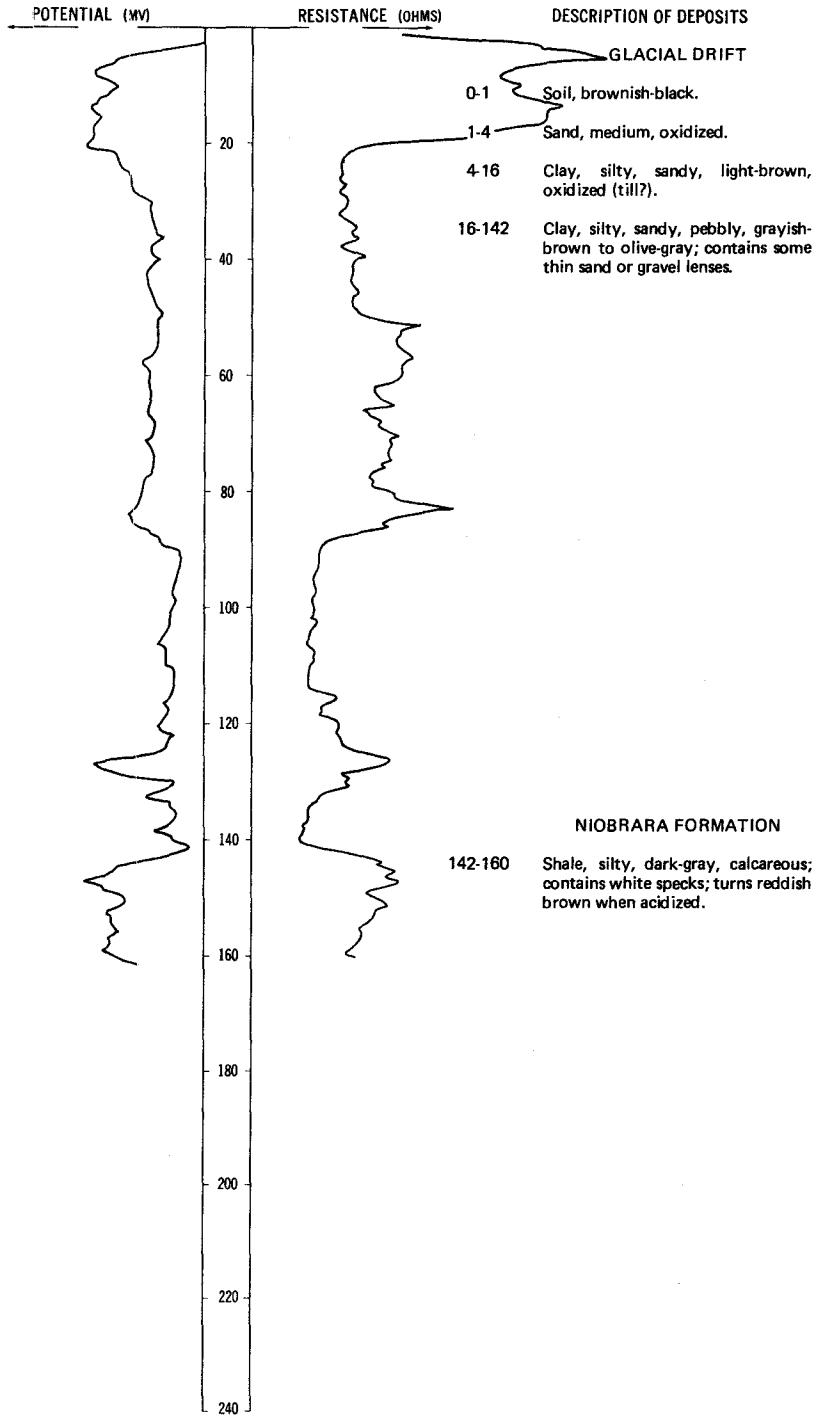


LOCATION: 133-058-12CDD

DATE DRILLED: 6/23/76

ALTITUDE: 1327  
(FT, NGVD)

DEPTH: 160  
(FT)

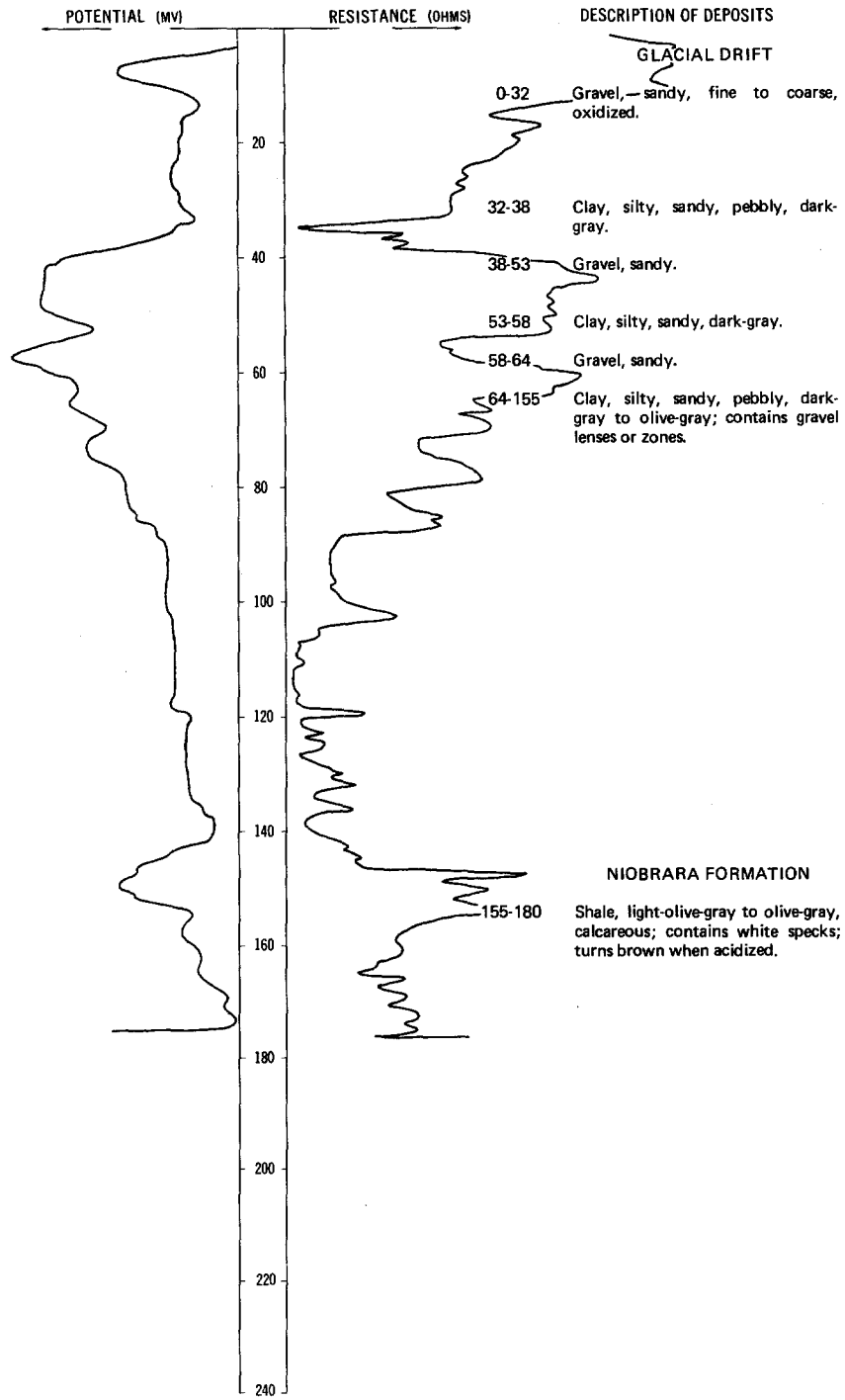


LOCATION: 133-058-13AAA

DATE DRILLED: 11/04/75

ALTITUDE: 1334  
(FT, NGVD)

DEPTH: 180  
(FT)

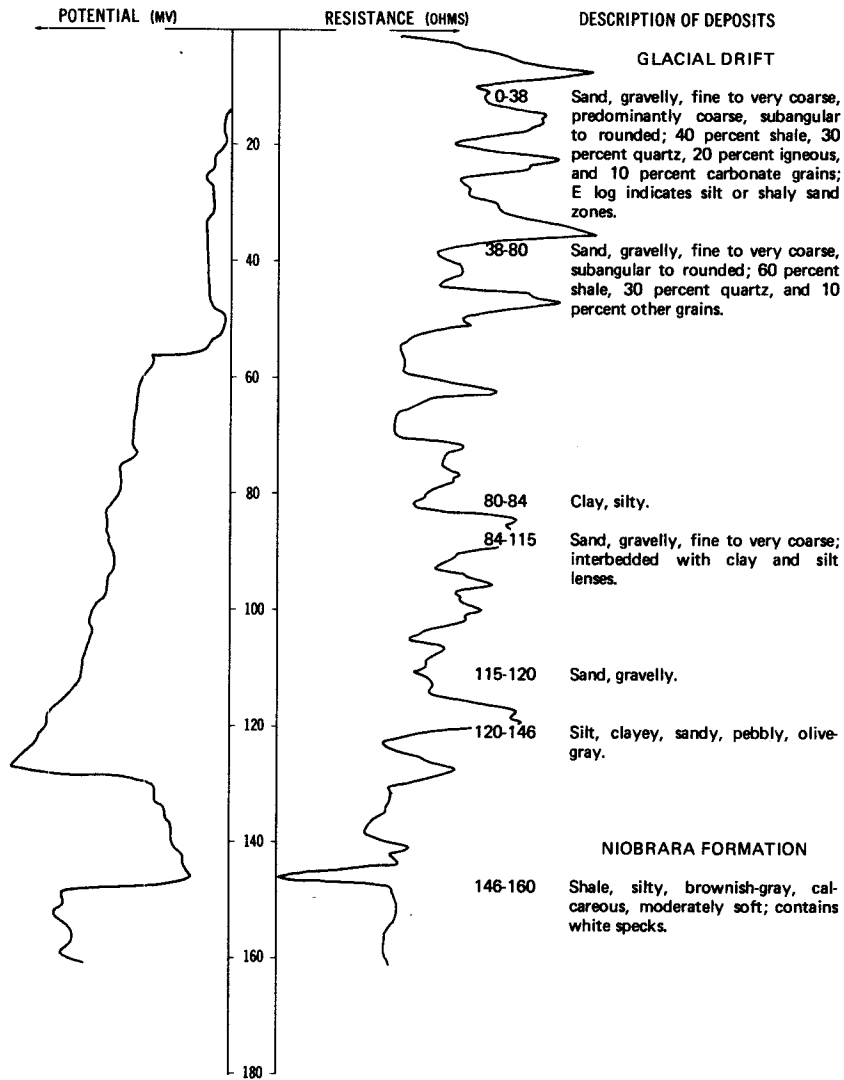


LOCATION: 133-058-13CCC

DATE DRILLED: 6/22/76

ALTITUDE: 1321  
(FT, NGVD)

DEPTH: 160  
(FT)



133-058-14ADB  
(Log from Adair Drilling Co.)

Date drilled: 11/15/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil	1	1
	Gravel, yellow	14	15
	Gravel	65	80

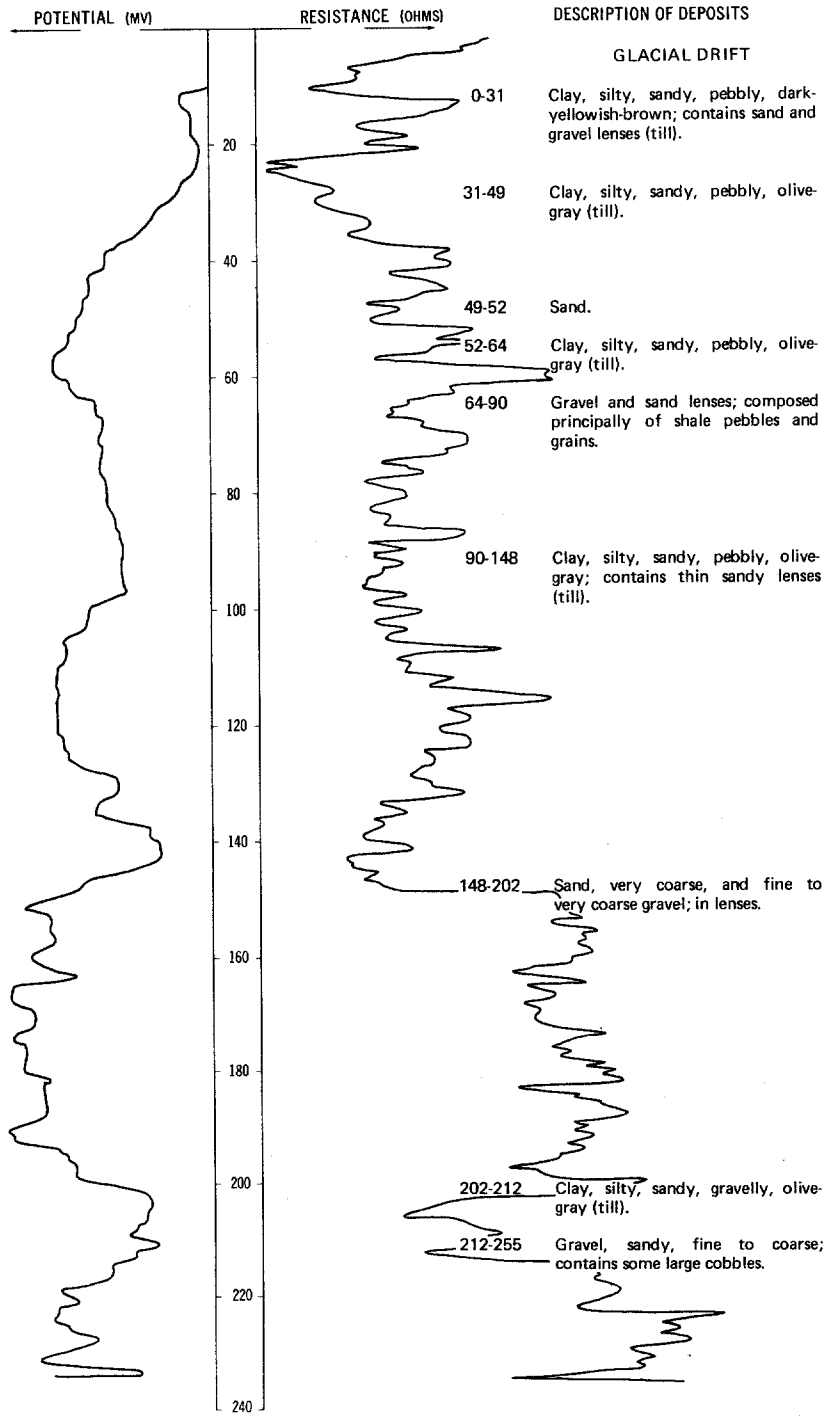


LOCATION: 133-058-14BBB1.2

DATE DRILLED: 10/31/75

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 255  
(FT)

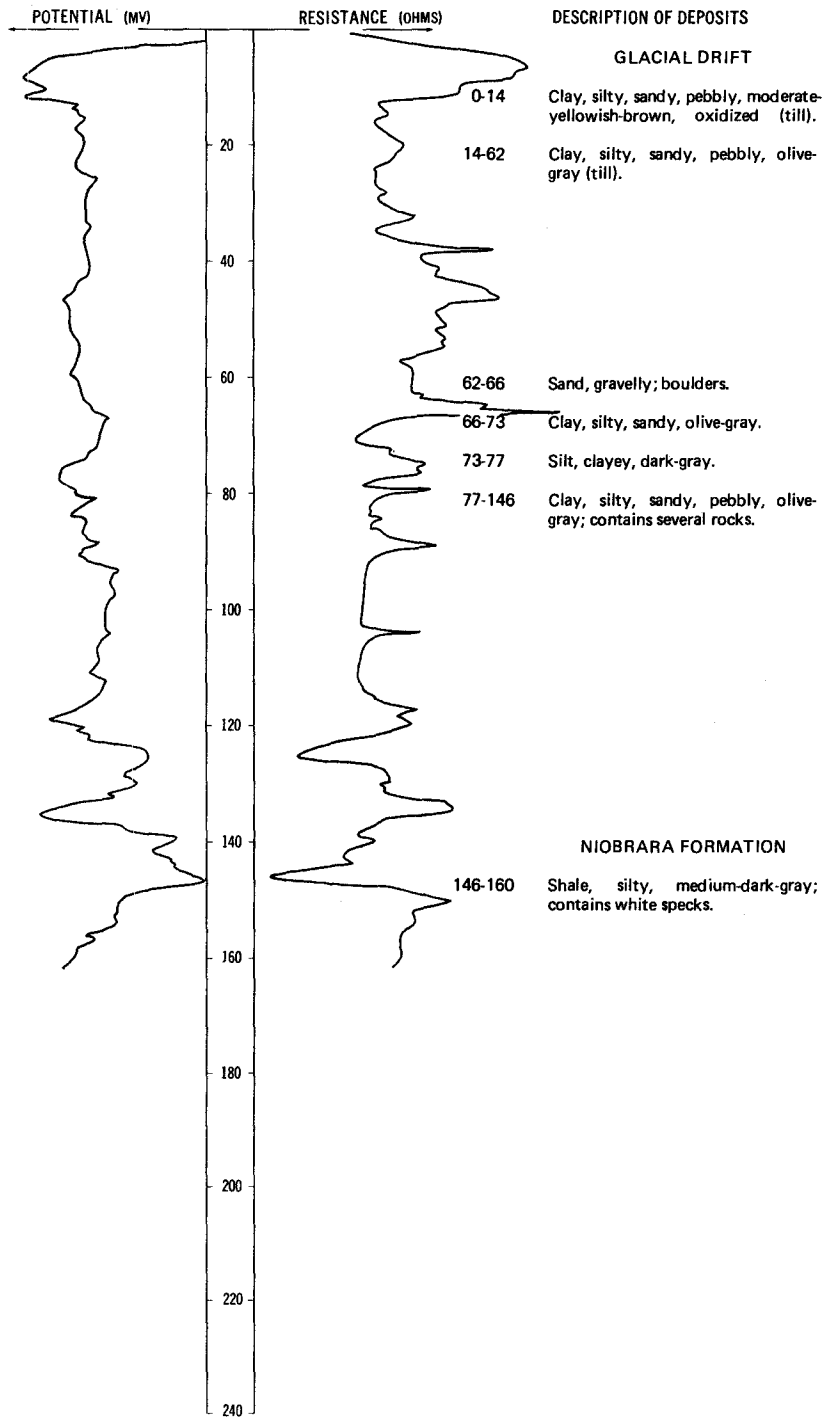


LOCATION: 133-058-14DCC

DATE DRILLED: 6/22/76

ALTITUDE: 1330  
(FT, NGVD)

DEPTH: 160  
(FT)

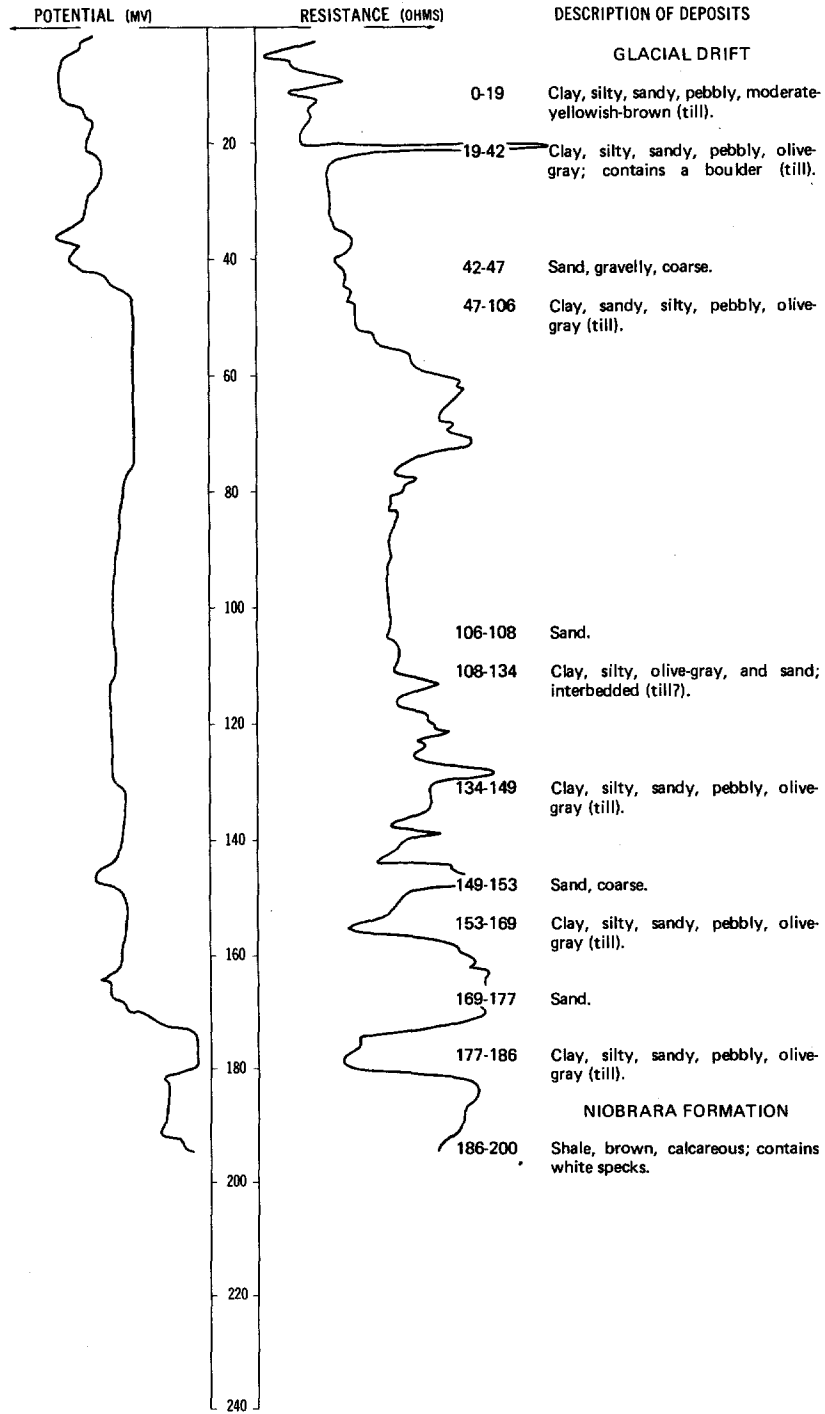


LOCATION: 133-058-16BBB

DATE DRILLED: 10/19/77

ALTITUDE: 1354  
(FT, NGVD)

DEPTH: 200  
(FT)



133-058-19CCD  
(Log from Independent Drilling Co.)

GEOLOGIC		Date drilled: 11/26/70	
SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Greenhorn Formation (top):			594
Dakota Sandstone (top):		60	1,002 1,062
Lakota Formation (top):		63	1,152 1,215

133-058-21ABD  
(Log from Independent Drilling Co.)

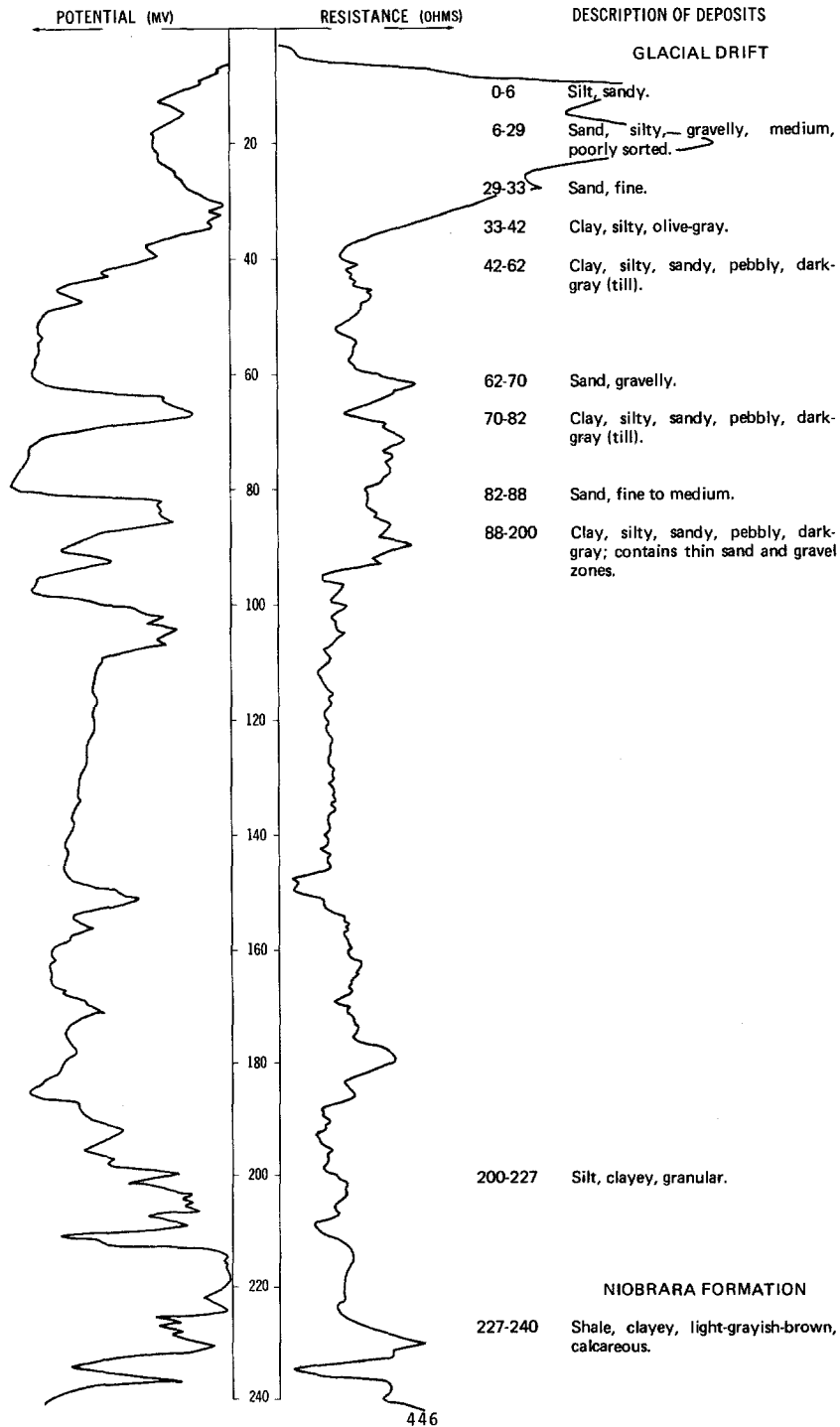
		Date drilled: 12/19/75	
Greenhorn Formation (top):			565
Dakota Sandstone (top):		70	950 1,020
Lakota Formation (top):		42	1,101 1,143

LOCATION: 133-058-22DDD2

DATE DRILLED: 6/16/76

ALTITUDE: 1365  
(FT, NGVD)

DEPTH: 240  
(FT)



133-058-23DAA1  
(Log from Green Circle Supply Co.)

Date drilled: 11/17/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	0.8	0.8
	Sand, brown, oxidized, and gravel-----	9.2	10
	Sand and gravel-----	62	72
	Till, clay, gray-----	8	80

133-058-23DAA2  
(Log from Adair Drilling Co.)

Date drilled: 11/21/76

	Topsoil-----	1	1
	Oxidized material-----	14	15
	Rock, pebbles, and boulders-----	5	20
	Sand, fine-----	15	35
	Sand, medium-----	25	60
	Sand, coarse-----	16	76

133-058-23DAC  
(Log from Green Circle Supply Co.)

Date drilled: 11/26/75

	Topsoil-----	0.8	0.8
	Clay, silty, yellow-----	3.2	4
	Clay, gravelly, yellow-----	8	12
	Sand, medium-----	2	14
	Clay, silty, yellow; some sand lenses-----	7	21
	Clay, silty, blue-----	32	53
	Sand, medium to coarse-----	7	60
	Till, clay, gray-----	20	80

133-058-23DAD  
(Log from Adair Drilling Co.)

Date drilled: 11/23/76

	Topsoil-----	1	1
	Oxidized material-----	14	15
	Rock-----	5	20
	Sand, fine-----	15	35
	Sand, medium to coarse-----	25	60
	Gravel, coarse-----	16	76

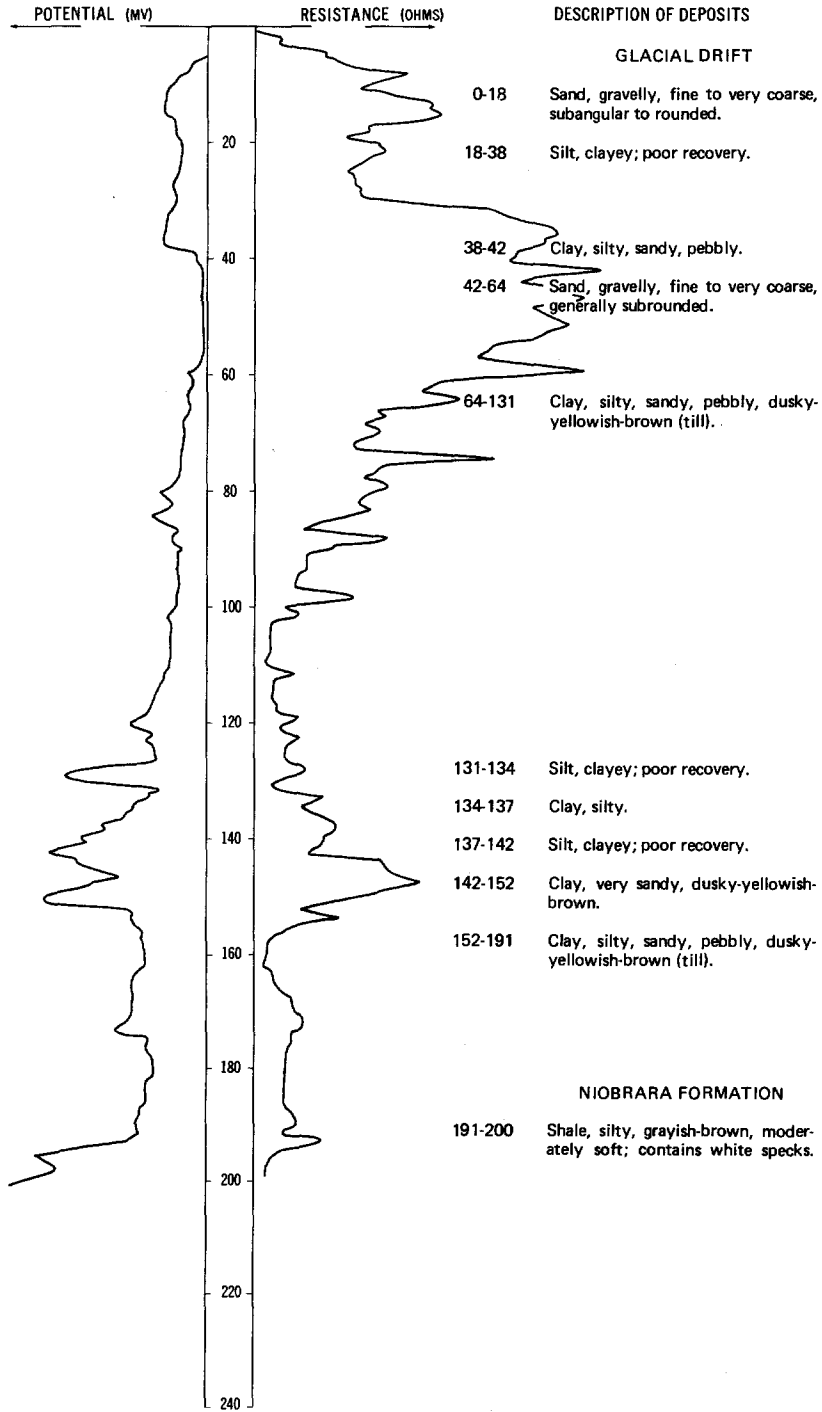
133-058-23DCC  
(Log from Green Circle Supply Co.)

Date drilled: 11/16/75

	Topsoil-----	0.8	0.8
	Sand, brown, oxidized, and gravel-----	9.2	10
	Clay, gravelly, yellow-----	5	15
	Clay, blue, moist-----	27	42
	Sand, medium to coarse-----	7	49
	Till, clay, gray-----	3	52
	Sand, medium-----	2	54
	Till, clay, gray-----	8	62
	Clay, silty-----	6	68
	Till, clay, gray-----	15	83
	Sand, coarse-----	3	86
	Till, gravelly-----	14	100

LOCATION: 133-058-24AAA1, 2  
 ALTITUDE: 1313  
 (FT, NGVD)

DATE DRILLED: 6/23/76  
 DEPTH: 200  
 (FT)



133-058-24AAC  
(Log from Green Circle Supply Co.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 2/03/75	
		THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Gravel-----	19	20
	Gravel, oxidized, brown-----	5	25
	Gravel; 1/4 to 1/2 inch; grayish-----	15	40

133-058-24ACA  
(Log from Green Circle Supply Co.)

		Date drilled: 3/06/75	
	Topsoil-----	0.8	0.8
	Gravel, medium, brown; with sand-----	10.2	11
	Sand, medium to coarse, and gravel-----	9	20
	Sand, medium to coarse, and gravel; with aggregate to 1 1/4 inches-----	19	39
	Gravel, large, and cobbles-----	1	40

133-058-24ACC  
(Log from Green Circle Supply Co.)

		Date drilled: 3/06/75	
	Topsoil-----	0.8	0.8
	Gravel aggregate; 1/2 inch; to medium sand-----	3.2	4
	Gravel, medium, brown-----	16	20
	Gravel, medium, oxidized-----	7	27
	Till, gray, moist-----	8	35

133-058-24ADC1  
(Log from Green Circle Supply Co.)

		Date drilled: 2/03/75	
	Topsoil-----	6	6
	Sand, oxidized, brown, and pea-size gravel-----	31	37
	Till, rocky, brown-----	3	40

133-058-24ADC2  
(Log from Stevens Well Drilling Co., Inc.)

		Date drilled: 6/12/75	
	Gravel, loose-----	22	22
	Clay and gravel-----	10	32
	Gravel, coarse-----	13	45
	Clay-----	2	47
	Clay and gravel-----	4	51



133-058-24DAA1  
(Log from Green Circle Supply Co.)

		Date drilled:	2/03/75
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	0.6	0.6
	Sand and gravel aggregate to 1/2 inch, and tan clay-----	9.4	10
	Sand and gravel, oxidized-----	7	17
	Gravel, coarse, 1/4 to 1 inch-----	8	25
	Gravel and sand-----	5	30
	Sand-----	14	44
	Till, clay, gray, moist-----	16	60

133-058-24DAA2  
(Log from Stevens Well Drilling Co., Inc.)

		Date drilled:	6/12/75
	Topsoil-----	1	1
	Clay and gravel-----	25	26
	Sand, fine to coarse-----	23	49
	Clay-----	3	52

133-058-24DBB  
(Log from Green Circle Supply Co.)

		Date drilled:	2/01/75
	Topsoil-----	1	1
	Sand and gravel to 2 inches; brown; oxidized; with some clay chunks-----	21	22
	Gravel, grayish-----	11	33
	Till, gray, and cobbles-----	3	36

133-058-24DBD  
(Log from Green Circle Supply Co.)

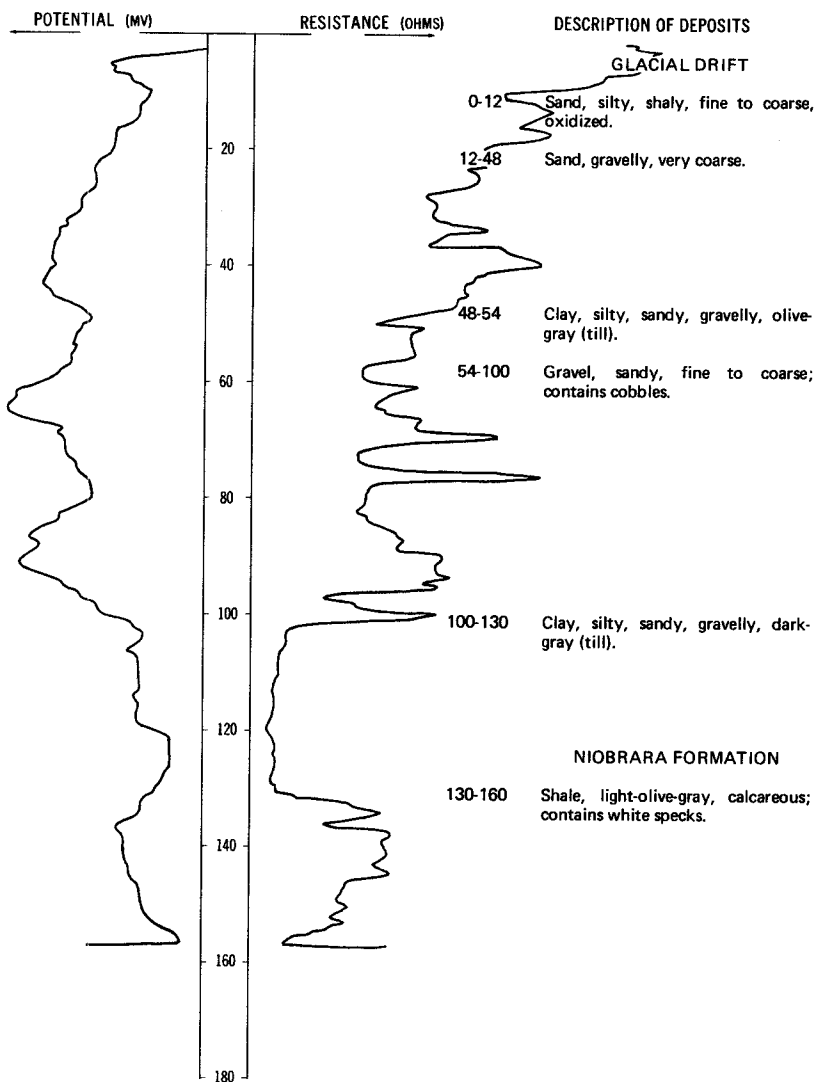
		Date drilled:	1/21/76
	Topsoil-----	0.8	0.8
	Gravel and coarse sand; with oxidized brown sand lenses-----	16.2	17
	Gravel, coarse; with granite and limestone fragments-----	25	42

LOCATION: 133-058-25AAA2, 1

DATE DRILLED: 10/31/75

ALTITUDE: 1322  
(FT, NGVD)

DEPTH: 160  
(FT)



133-058-25AAA3  
NDSWC 9601

Altitude: 1323 feet

Date drilled: 6/17/76

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

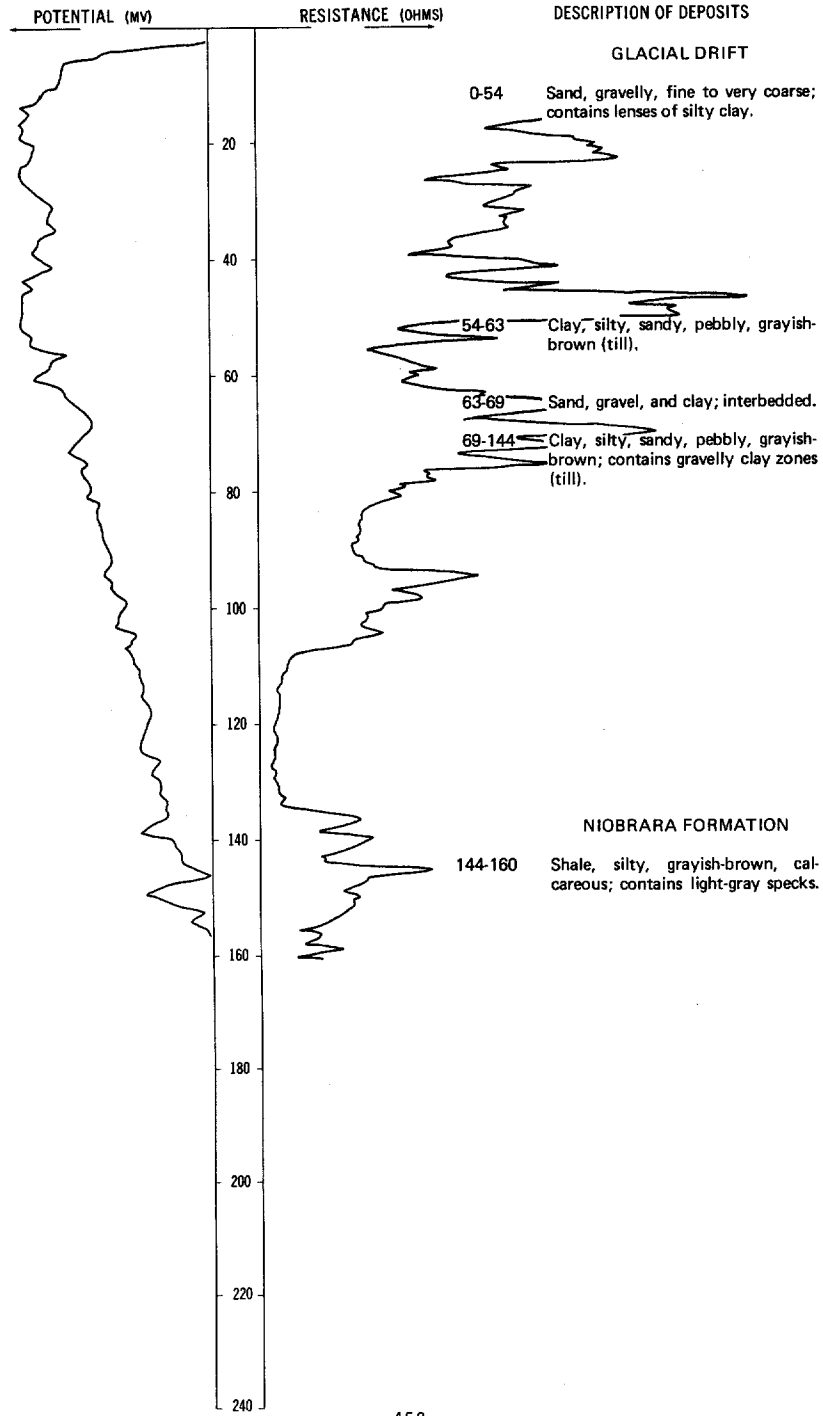
Sand, pebbly, very coarse to fine, subrounded; predominantly coarse sand	52	52
Clay, silty, sandy, pebbly, olive-gray	4	56
Sand, very fine to fine, and medium to very coarse sand	15	71
Clay, silty; from drill action	19	90

LOCATION: 133-058-25AAA4

DATE DRILLED: 6/18/76

ALTITUDE: 1323  
(FT, NGVD)

DEPTH: 160  
(FT)

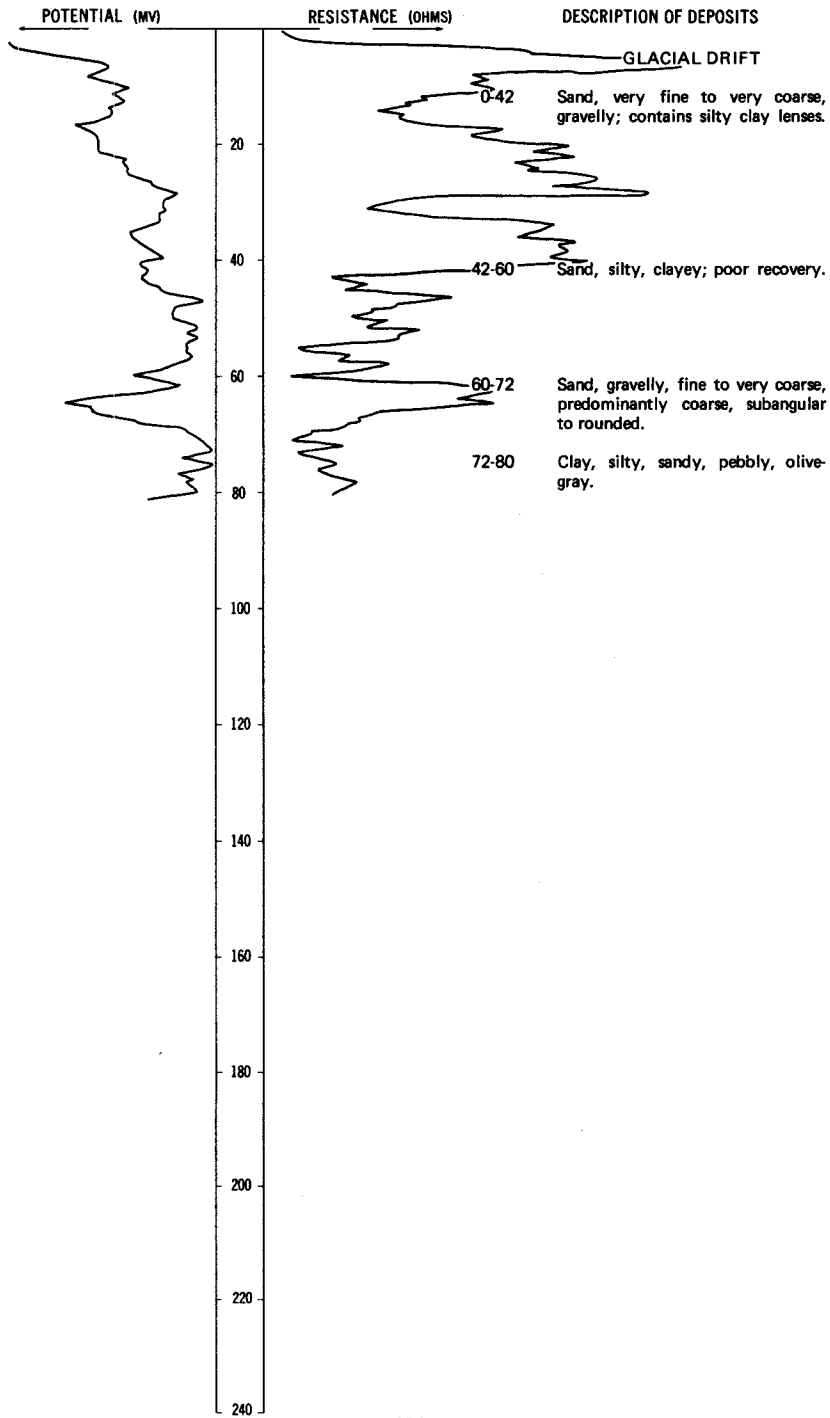


LOCATION: 133-058-25BBB

DATE DRILLED: 6/22/76

ALTITUDE: 1318  
(FT. NGVD)

DEPTH: 80  
(FT)

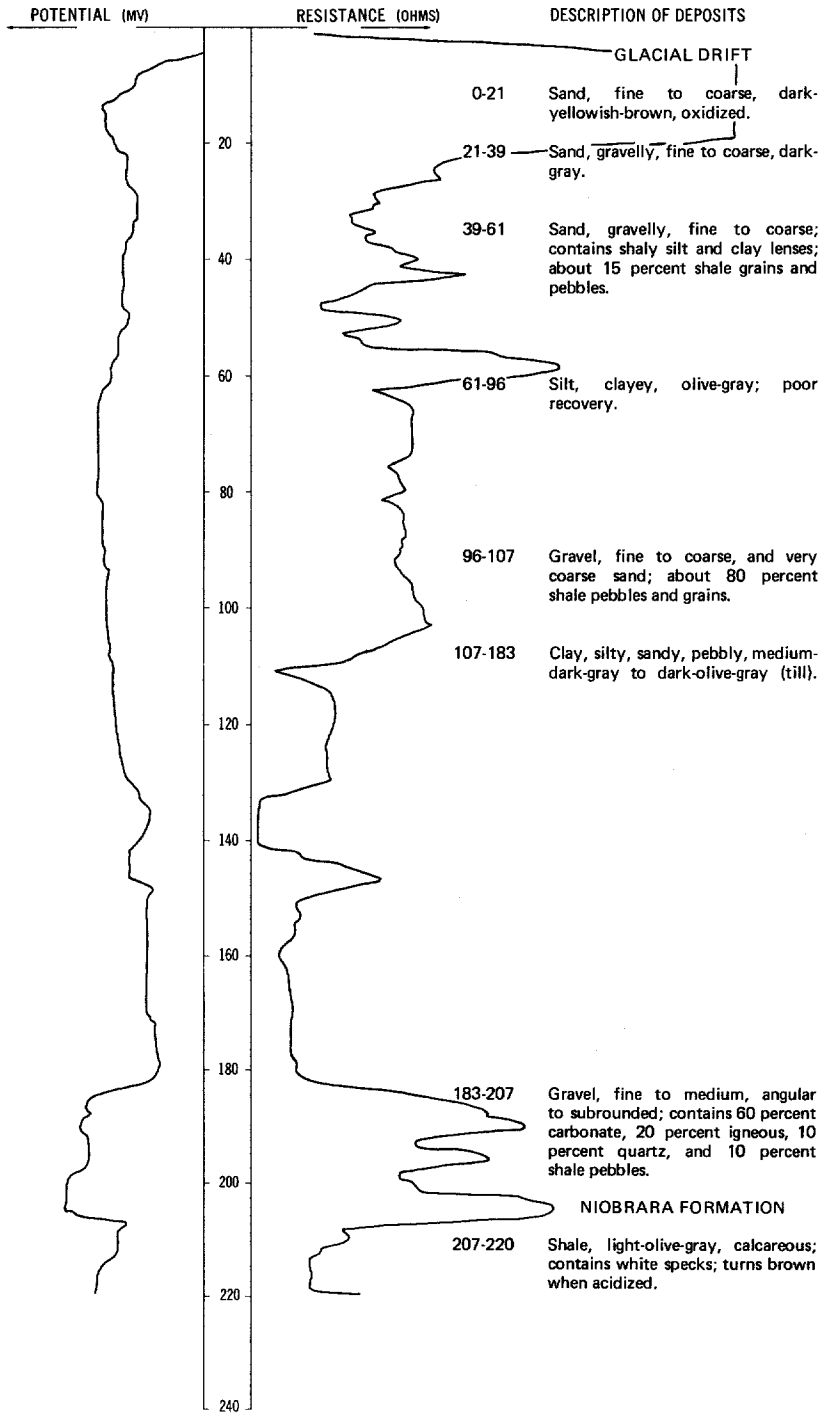


LOCATION: 133-058-25CCC1. 2

DATE DRILLED: 5/21/75

ALTITUDE: 1330  
(FT, NGVD)

DEPTH: 220  
(FT)



133-058-25CDC  
USBR W-8

Altitude: 1313 feet

Date drilled: 10/20/66

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam-----	1	1
	Loam, sandy-----	3	4
	Sand, coarse, loamy-----	16	20

133-058-26AAA  
(Log from Green Circle Supply Co.)

Date drilled: 6/08/76

Topsoil-----	1	1
Sand, clayey-----	2	3
Sand and gravel, dirty-----	7	10
Sand and gravel, oxidized-----	10	20
Sand and gravel-----	15	35
Sand and gravel, clean-----	15	50
Gravel, fine, and sand-----	7	57
Clay, gravelly-----	3	60
Till, clay, gravelly, gray-----	20	80
Till, clay, gray-----	2	82
Sand, fine, gray-----	3	85
Till, clay-----	3	88
Sand and gravel-----	5	93
Till, clay-----	2	95
Granite-----	1	96
Till, clay-----	4	100
Sand, fine, gray-----	3	103
Till, clay-----	17	120
Till, clay, soft-----	15	135
Till, clay, brittle, gray-----	5	140
Till, clay-----	5	145
Sand, fine, gray-----	2	147
Clay, silty-----	5	152

133-058-26ADA  
(Log from Green Circle Supply Co.)

Date drilled: 11/17/75

Topsoil-----	0.8	0.8
Sand and gravel, oxidized-----	19.2	20
Sand and gravel-----	32	52
Sand, silty and clayey-----	34	86
Gravel, 1/4 to 1 inch-----	16	102
Till, clay-----	18	120

133-058-26ADD1  
(Log from Green Circle Supply Co.)

Date drilled: 4/13/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	0.5	0.5
	Gravel, coarse, oxidized; some medium-fine sand-----	15.5	16
	Gravel and sand; with clayey sand chunks-----	13	29
	Gravel, coarse, rounded-----	10	39
	Gravel, medium; 1/8 to 1/16 inch-----	4	43
	Clay, gray, soft-----	3	46
	Sand, medium to fine, white, rounded-----	4	50
	Clay, silty, gray, soft-----	2	52
	Sand, medium to fine, white, rounded-----	3	55
	Till, soft, plastic-----	10	65
	Silt, clayey, gray, soft-----	17	82
	Gravel to 1 inch; clean; limestone; and shale-----	18	100

133-058-26BBD  
(Log from Green Circle Supply Co.)

Date drilled: 4/09/76

	Topsoil-----	0.5	0.5
	Silt, sandy, yellow, oxidized-----	5.5	6
	Sand, brown, and gravel-----	15	21
	Sand, fine, silty, brown-----	7	28
	Gravel, coarse; with silty clay chunks-----	2	30
	Lenses, soft, moist-----	11	41
	Till, gray, soft, moist, plastic-----	25	66
	Till, gray, and gravel-----	9	75
	Till, gray, soft, moist-----	6	81
	Till, gray, and gravel-----	40	121
	Till, gray, moist-----	51	172
	Till, gray, and 2- to 3-inch cobbles-----	2	174
	Shale, silty, gray, calcareous-----	26	200

133-058-27AAC1  
(Log from Green Circle Supply Co.)

Date drilled: 3/30/76

	Sand, medium, brown, and gravel to 1 inch-----	12	12
	Sand, brown, and gravel-----	21	33
	Silt, clayey, gray, soft-----	69	102
	Cobbles; with some lignite-----	1	103
	Till, gray, firm to hard-----	7	110

133-058-27AAC2  
(Log from Green Circle Supply Co.)

		Date drilled: 3/30/76	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, medium, and gravel to 1 inch-----	10	10
	Sand, medium, brown, and gravel-----	8	18
	Gravel, medium to coarse-----	3	21
	Sand, fine to medium, gray, and shale particles-----	4	25
	Clay, silty, gray, soft-----	3	28
	Gravel; 1/4 inch-----	6	34
	Silt, clayey, gray-----	19	53
	Clay, silty, brown; with some rock fragments-----	11	64
	Clay, silty, gray, very soft; with occasional lenses of sandy till-----	19	83
	Gravel to 1/4 inch; with some chunks of clay-----	4	87
	Granite, boulder-----	1	88
	Gravel, coarse-----	6	94
	Till, brown, firm-----	6	100

133-058-348BD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 10/08/76	
	Topsoil-----	5	5
	Sand and gravel-----	25	30
	Clay, yellow-----	2	32
	Clay, blue-----	138	170

133-058-36BDB  
(Log from Traut Wells, Inc.)

		Date drilled: 4/21/77	
	Topsoil-----	2	2
	Gravel; 50-60 slot-----	50	52
	Clay, gray-----	8	60



133-058-36CCA1  
(Log from Traut Wells, Inc.)

		Date drilled: 4/19/77	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Sand; 60 slot; brown.....	4	6
	Sand; 40-50 slot; gray.....	14	20
	Sand, fine, gray; with clay.....	18	38
	Clay, gray.....	62	100

133-058-36CCA2  
(Log from Traut Wells, Inc.)

		Date drilled: 4/20/77	
	Topsoil.....	2	2
	Sand, brown.....	20	22
	Sand, fine, gray.....	36	58
	Clay, sandy, gray.....	2	60
	Sand, fine, gray.....	14	74
	Sand; with clay lumps.....	6	80
	Sand, fine.....	14	94
	Sand and gravel; 60 slot; clean.....	18	112
	Clay, gray.....	8	120

134-053-02DBD  
(Log from Green Circle Supply Co.)

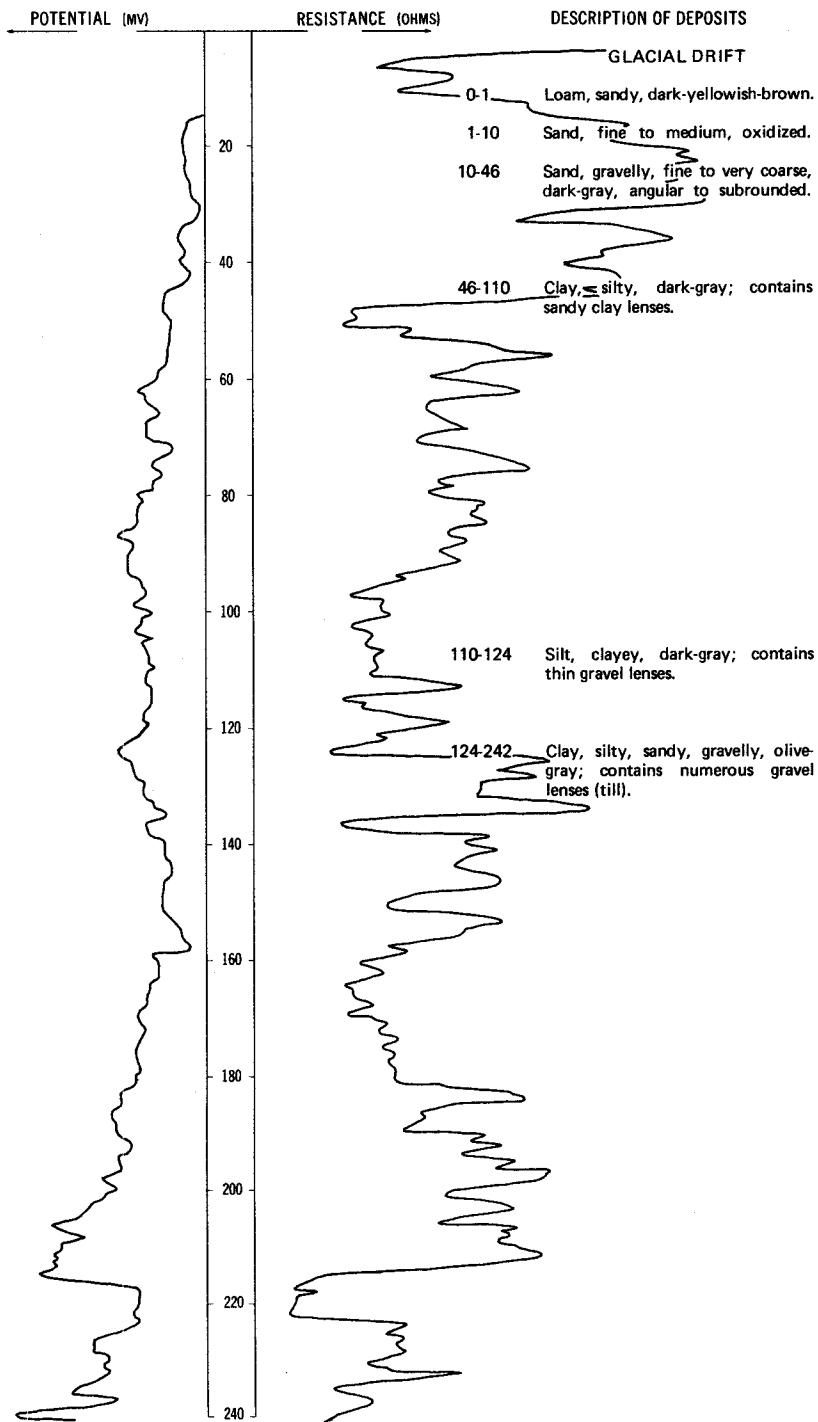
		Date drilled: 10/28/76	
	Topsoil.....	1	1
	Sand, medium, brown, oxidized.....	3	4
	Sand, medium, brown, oxidized; with silty clay lumps.....	6	10
	Sand, medium, brown, oxidized.....	5	15
	Sand, medium to coarse, gray; with scattered gravels.....	29	44
	Sand, medium to coarse, gray.....	5	49
	Sand, fine, gray; with lenses of medium sand.....	11	60
	Sand, silty, gray.....	10	70

LOCATION: 134-053-03CCC1. 2

DATE DRILLED: 12/17/74

ALTITUDE: 1075  
(FT, NGVD)

DEPTH: 280  
(FT)

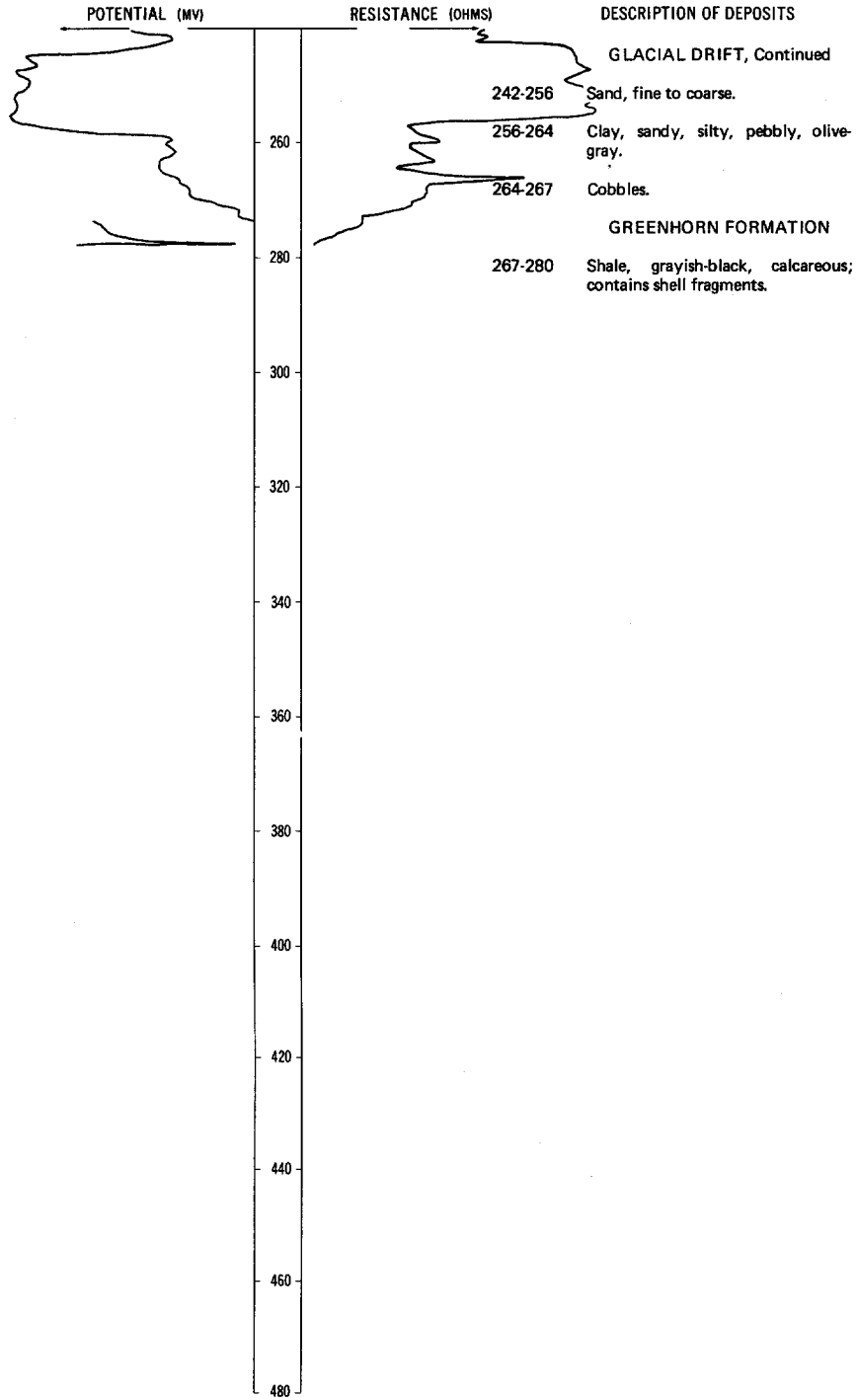


LOCATION: 134-053-03CCC1.2

DATE DRILLED: 12/17/74

ALTITUDE: 1075  
(FT. NGVD)

DEPTH: 280  
(FT)



134-053-03CCC3  
NDSWC 1253

Altitude:	1073 feet	Date drilled:	11/13/57
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, sandy, yellow-----	3	3
	Sand, fine to medium-----	12	15
	Sand, fine to coarse, and fine to medium gravel-----	49	64
	Clay, sandy, light-gray-----	10	74

134-053-03DBD1  
(Log from Green Circle Supply Co.)

Date drilled: 10/28/76

Topsoil-----	1.5	1.5
Clay, silty, tan, smooth-----	2.5	4
Sand, fine, brown, oxidized-----	3.5	7.5
Sand, medium to fine, gray; good configuration-----	4.5	12
Sand, medium to coarse, gray-----	5	17
Sand, coarse, clean; with isolated gravels-----	6	23
Clay, gray, soft-----	1	24
Gravel, medium to coarse; with 20 percent fine to medium gray sand-----	5	29
Sand, fine, gray-----	14	43
Sand, fine, silty, gray-----	16	59
Sand, fine, silty, gray; with isolated pebbles-----	81	140

134-053-03DBD2  
(Log from Green Circle Supply Co.)

Date drilled: 10/28/76

Topsoil-----	1	1
Sand, clayey, light-gray-----	7	8
Sand, coarse, oxidized-----	5	13
Sand, medium; good configuration-----	29	42
Sand, fine, gray-----	16	58
Clay, silty, gray-----	2	60
Sand, fine, silty, gray-----	20	80

134-053-05CCC  
NDSWC 1252

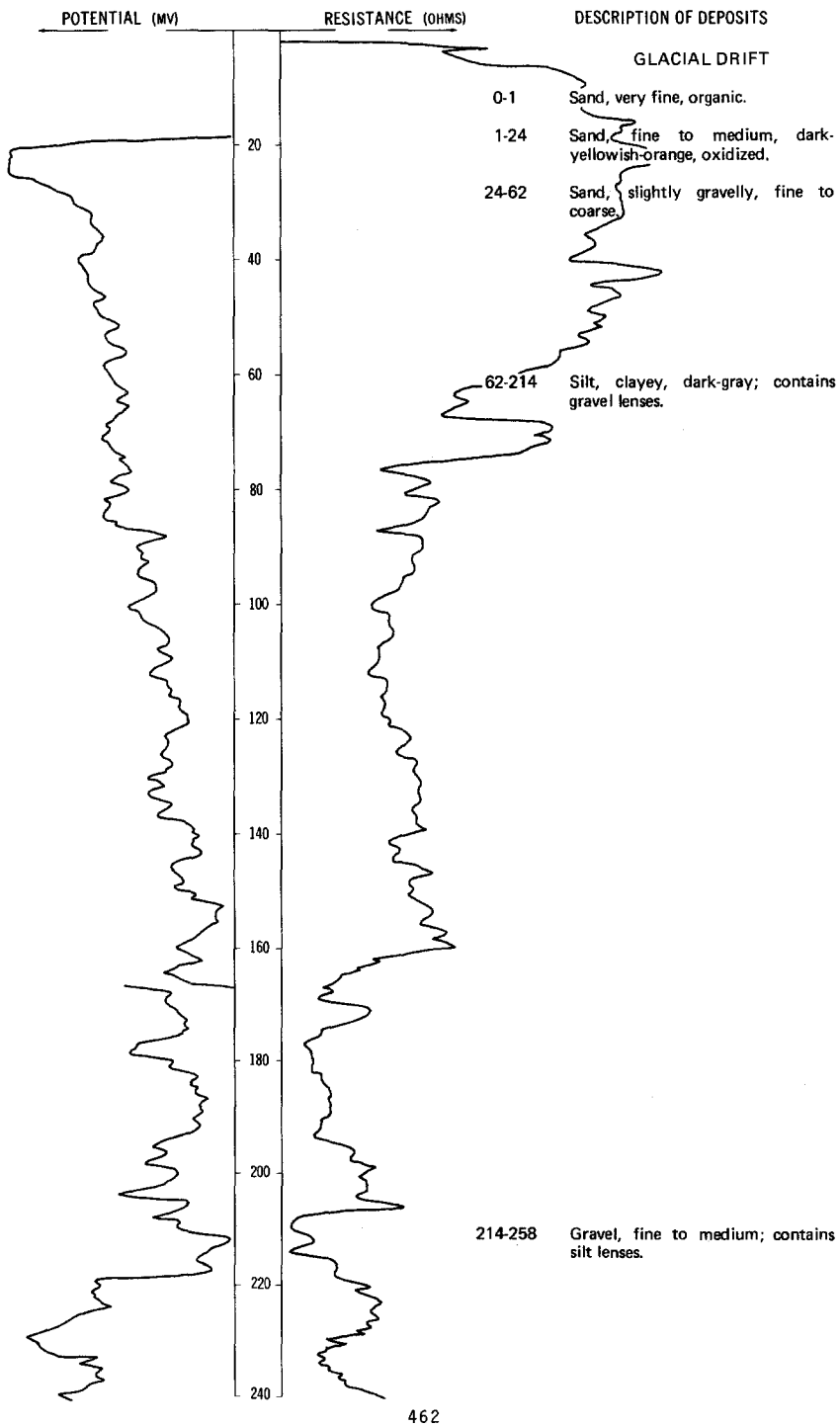
Altitude:	1075 feet	Date drilled:	11/11/57
	Clay, sandy, yellow-----	1	1
	Sand, fine to coarse-----	15	16
	Gravel, fine to coarse; pebbles-----	11	27
	Sand, fine to coarse; lignite pebbles-----	48	75
	Till, gray clay, fine to medium gravel, lignite and shale pebbles-----	21	96
	Clay, sandy, gray-----	46	142
	Till, gray clay, fine to medium gravel, lignite and shale pebbles-----	49	191
	Clay, sandy, dark-gray-----	19	210

LOCATION: 134-053-12BBB1, 2

DATE DRILLED: 12/16/74

ALTITUDE: 1070  
(FT, NGVD)

DEPTH: 320  
(FT)



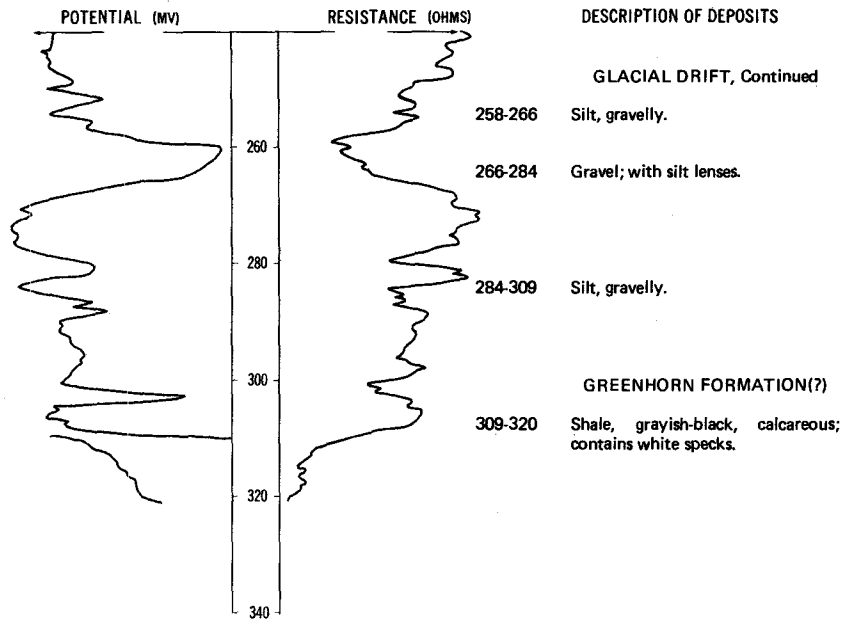
NDSWC 9264, 9264A, Continued

LOCATION: 134-053-12BBB1. 2

DATE DRILLED: 12/16/74

ALTITUDE: 1070  
(FT, NGVD)

DEPTH: 320  
(FT)



134-053-12BBB3  
NDSWC 1254

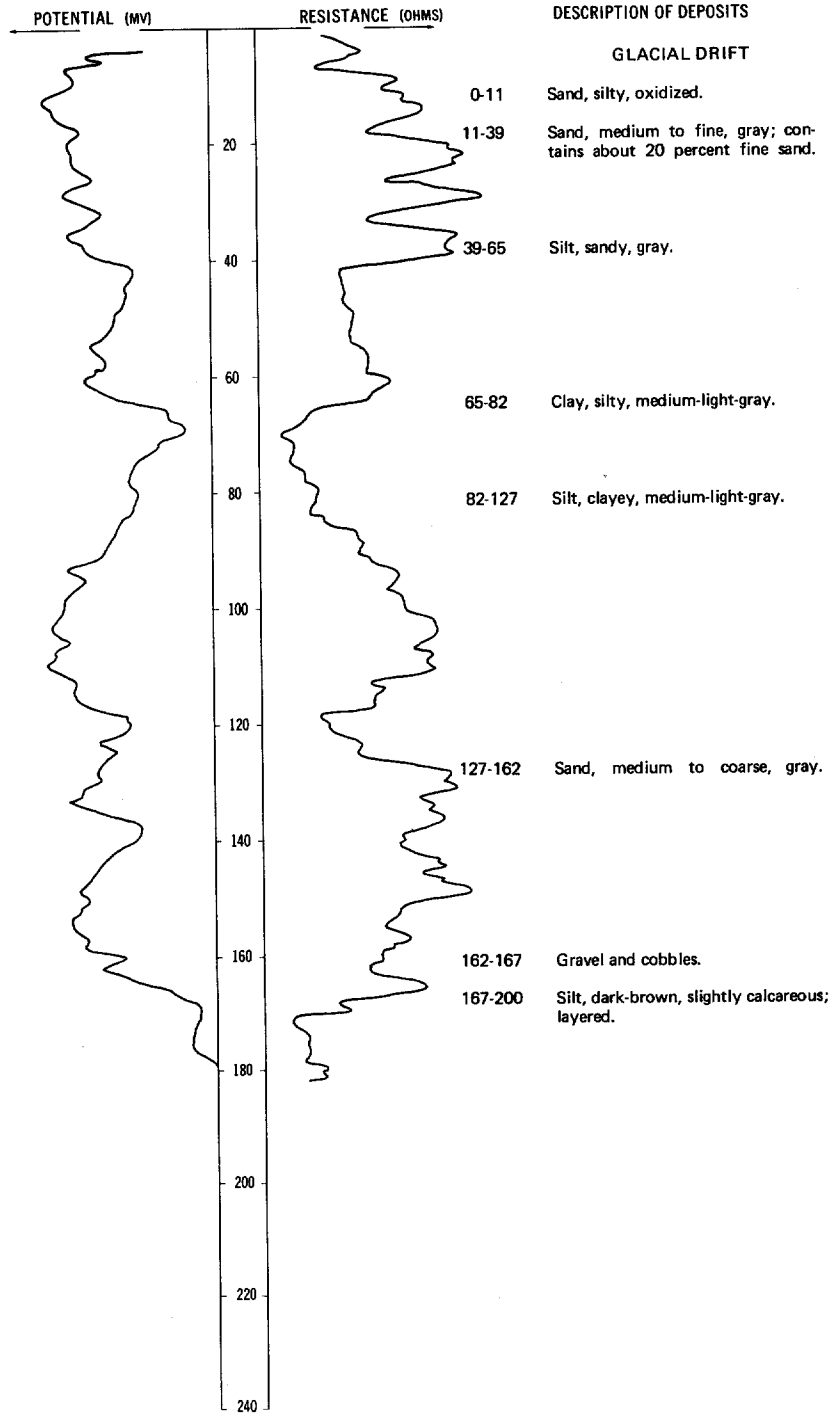
Altitude: 1073 feet

Date drilled: 11/14/57

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	1	1
	Sand, fine to medium	6	7
	Sand, fine to coarse; fine gravel; lignite pebbles	76	83
	Clay, sandy, gray	11	94

LOCATION: 134-053-20DDD  
ALTITUDE: 1077  
(FT, NGVD)

DATE DRILLED: 9/30/77  
DEPTH: 200  
(FT)

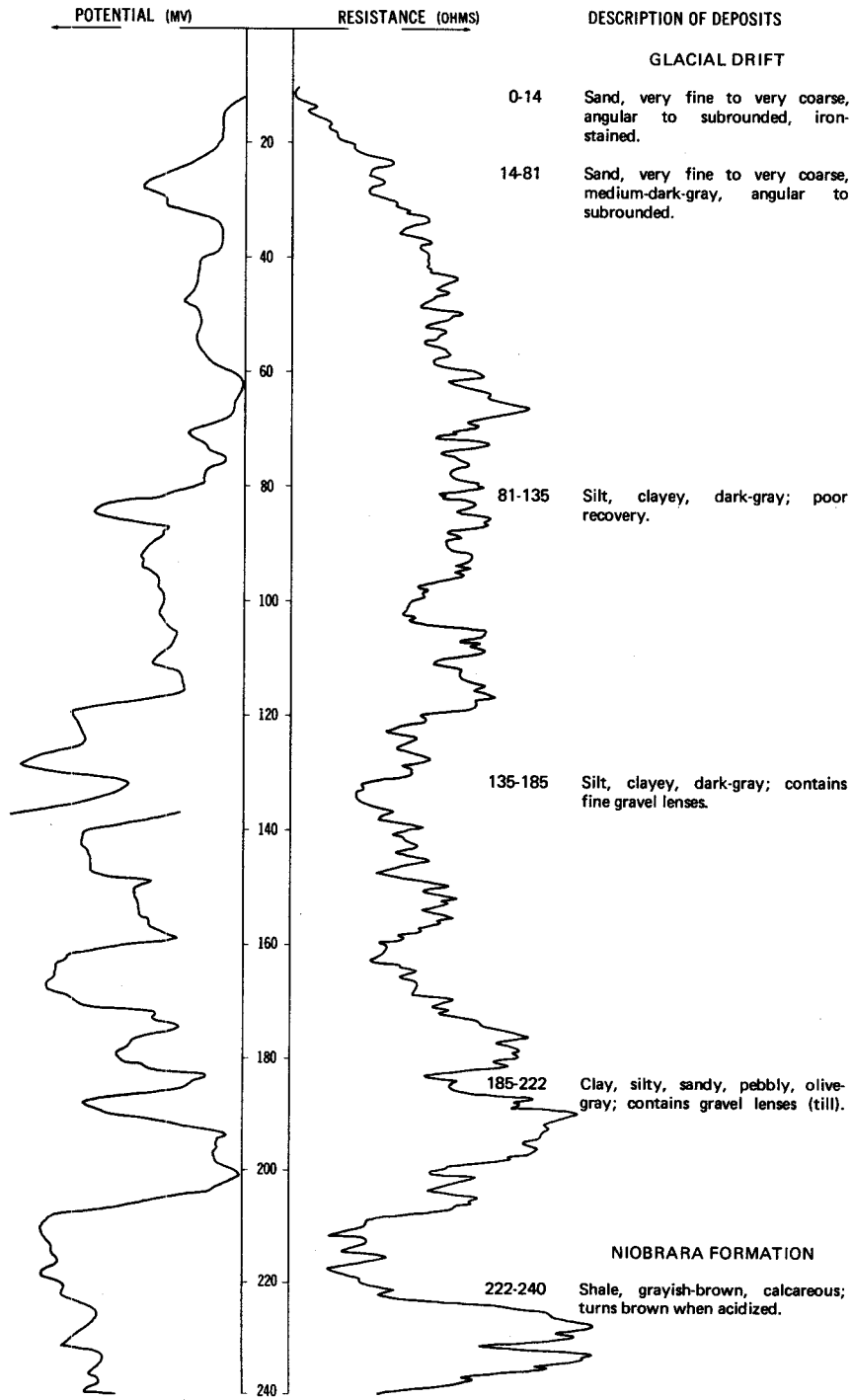


LOCATION: 134-053-25BCA1. 2

DATE DRILLED: 12/13/74

ALTITUDE: 1073  
(FT, NGVD)

DEPTH: 240  
(FT)





134-054-01CCC  
NDSWC 1251

Altitude: 1073 feet

Date drilled: 11/11/57

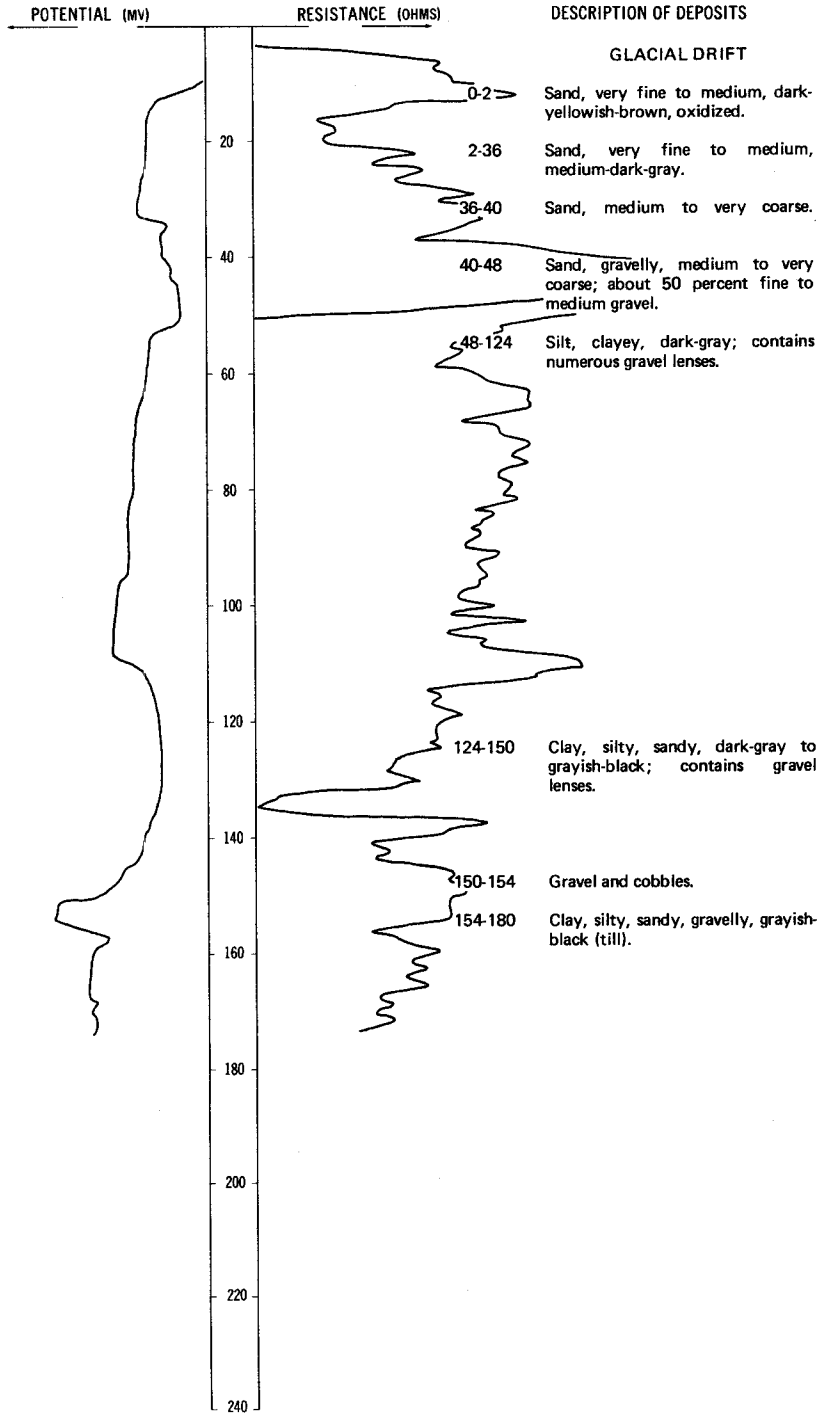
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Soil, sandy, black-----	1	1
	Sand, medium and coarse-----	15	16
	Gravel, fine, some coal-----	15	31
	Sand, fine, dirty-----	5	36
	Clay, sandy, gray-----	27	63

LOCATION: 134-054-01DDD

DATE DRILLED: 12/17/74

ALTITUDE: 1072  
(FT, NGVD)

DEPTH: 180  
(FT)



134-054-03ABD  
(Log from Green Circle Supply Co.)

		Date drilled:	4/10/77
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand, fine, oxidized-----	9	10
	Sand-----	5	15
	Gravel-----	25	40
	Sand and gravel-----	14	54

134-054-03ACA  
(Log from Adair Drilling Co.)

		Date drilled:	9/07/76
	Topsoil-----	1	1
	Clay-----	3	4
	Sand and gravel-----	52	56
	Till, clay-----	5	61

134-054-03CAC  
(Log from Adair Drilling Co.)

		Date drilled:	9/07/76
	Topsoil-----	1	1
	Clay, yellow-----	4	5
	Sand and gravel-----	23	28
	Till, clay-----	32	60

134-054-03CBC  
(Log from Adair Drilling Co.)

		Date drilled:	9/07/76
	Topsoil-----	1	1
	Clay, yellow-----	6	7
	Sand and gravel-----	26	33
	Till, clay-----	27	60

134-054-04ADB  
(Log from Adair Drilling Co.)

		Date drilled: 10/04/76	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, yellow-----	5	6
	Sand and gravel-----	20	26
	Till, clay-----	34	60

134-054-04BBB  
NDSWC 10003

Altitude: 1067 feet		Date drilled: 10/12/77	
Glacial drift:			
	Sand, silty, clayey-----	9	9
	Sand, fine, yellowish-brown, oxidized-----	5	14
	Sand, medium to coarse-----	6	20
	Clay, sandy, silty, pebbly, olive-gray (till)-----	20	40

134-054-04BDD  
(Log from Adair Drilling Co.)

		Date drilled: 10/04/76	
	Topsoil-----	1	1
	Clay, yellow-----	5	6
	Sand and gravel-----	25	31
	Till, clay-----	9	40

134-054-08BBB  
NDSWC 1248

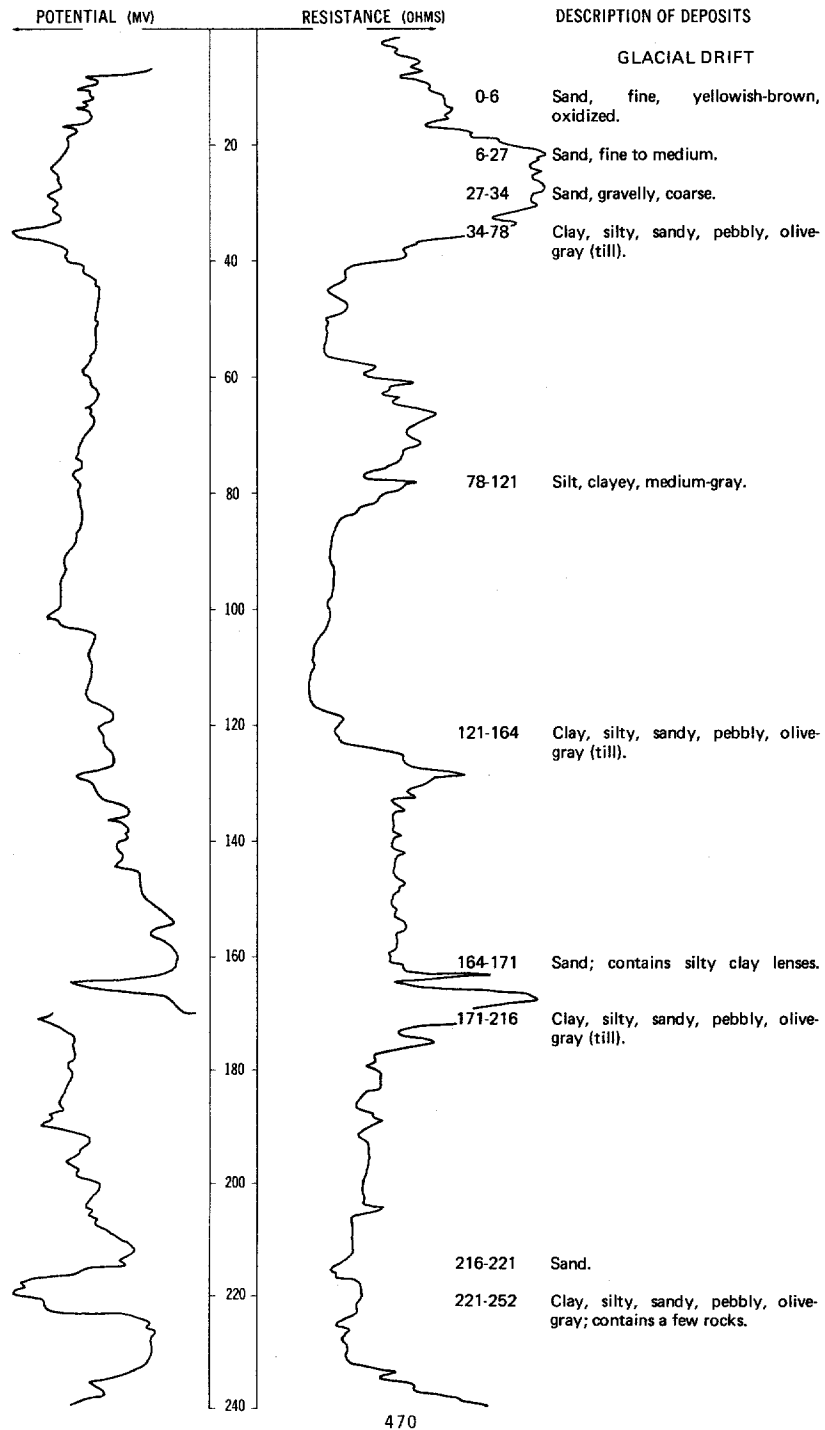
Altitude: 1070 feet		Date drilled: 11/05/57	
	Topsoil, black-----	1	1
	Clay, yellow, and fine to medium gravel-----	15	16
	Sand, fine to medium, light-brown-----	20	36
	Clay, sandy, light-gray-----	16	52
	Till, gray clay, fine to medium gravel, and shale pebbles-----	48	100

LOCATION: 134-054-09AAA1, 2

DATE DRILLED: 10/11/77

ALTITUDE: 1068  
(FT, NGVD)

DEPTH: 260  
(FT)





134-054-09ACA  
(Log from Green Circle Supply Co.)

		Date drilled:	6/22/76
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, sandy-----	1	1
	Sand, clayey, brown-----	3	4
	Sand and gravel, oxidized-----	4	8
	Sand and gravel, cleaner-----	13	21
	Sand, coarse, and gravel-----	9	30
	Gravel, medium to coarse-----	8	38
	Clay, silty-----	2	40

134-054-09BBA  
(Log from Green Circle Supply Co.)

		Date drilled:	2/18/76
	Topsoil, sandy-----	1	1
	Sand, clayey-----	3	4
	Sand and gravel, oxidized-----	12	16
	Sand, coarse, and gravel-----	5	21
	Sand, medium to fine-----	11	32
	Till-----	3	35

134-054-09BBB  
(Log from Green Circle Supply Co.)

		Date drilled:	2/16/76
	Topsoil, sandy-----	1	1
	Sand, clayey-----	5	6
	Sand and gravel, oxidized; with some cobbles-----	9	15
	Sand and gravel-----	5	20
	Sand and gravel, silty-----	15	35
	Till, clay, pebbly; with some cobbles-----	15	50

134-054-09DBD  
(Log from Green Circle Supply Co.)

		Date drilled:	6/22/76
	Topsoil, sandy-----	1	1
	Sand, clayey-----	3	4
	Sand and gravel, oxidized-----	4	8
	Sand and gravel, cleaner-----	13	21
	Sand, coarse, and gravel; clean-----	6	27
	Sand, medium to coarse-----	9	36
	Clay, silty, gray-----	4	40

134-054-15CBD  
(Log from Adair Drilling Co.)

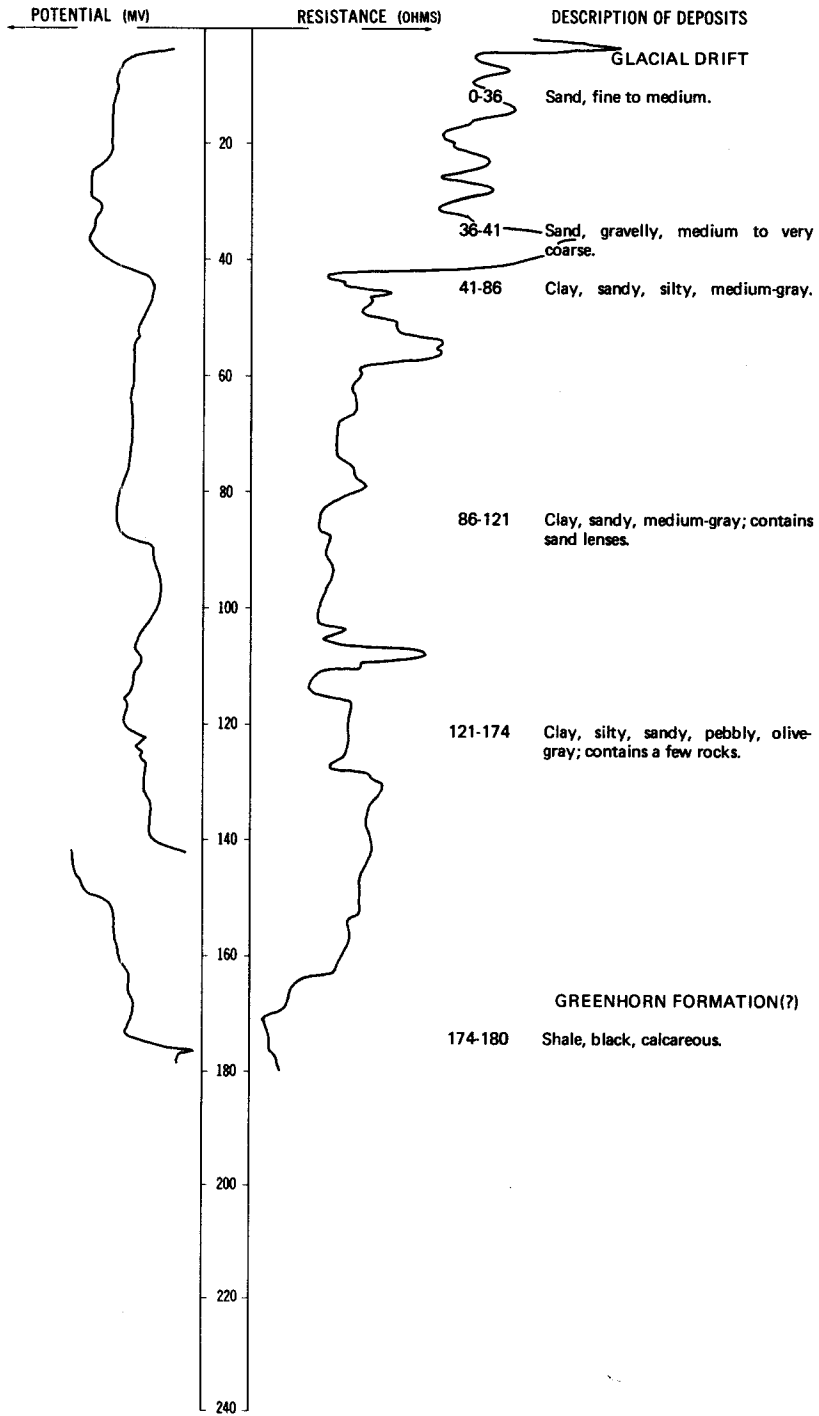
		Date drilled:	10/04/76
	Topsoil-----	1	1
	Clay, yellow-----	4	5
	Sand and gravel-----	37	42
	Till, clay-----	18	60

LOCATION: 134-054-16ADD1, 2

DATE DRILLED: 10/10/77

ALTITUDE: 1070  
(FT, NGVD)

DEPTH: 180  
(FT)





134-054-16CAB  
(Log from Traut Wells, Inc.)

		Date drilled:	3/08/77
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, fine, brown-----	7	7
	Sand, coarse, and gravel-----	23	30
	Clay, gray-----	5	35

134-054-16CBC  
(Log from Traut Wells, Inc.)

		Date drilled:	3/08/77
	Topsoil-----	2	2
	Clay, gray-----	5	7
	Clay, yellow and white-----	10	17
	Sand; 50 slot; gray-----	7	24
	Clay, sandy, gray-----	6	30

134-054-16CBD  
(Log from Traut Wells, Inc.)

		Date drilled:	3/08/77
	Sand, fine, brown-----	6	6
	Clay, white-----	1	7
	Sand; 50 slot; brown-----	7	14
	Sand, coarse, and gravel-----	7	21
	Sand, dirty-----	3	24
	Clay, gray-----	16	40

134-054-16CCA  
(Log from Traut Wells, Inc.)

		Date drilled:	3/08/77
	Topsoil-----	2	2
	Clay, white-----	2	4
	Sand, coarse, and gravel-----	20	24
	Clay, gray-----	16	40

134-054-16CDC  
(Log from Traut Wells, Inc.)

		Date drilled:	3/08/77
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	5	5
	Sand, fine, brown-----	2	7
	Sand, fine, gray-----	3	10
	Sand; 60 slot; gray-----	10	20
	Gravel, medium-----	15	35
	Gravel and clay; mixed-----	4	39
	Clay, gray-----	6	45

134-054-18BAD  
(Log from Robert Recker)

		Date drilled:	9/17/75
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow-----	17	17
	Sand, fine-----	1	18
	Clay, yellow-----	2	20
	Clay, blue-----	2	22
	Sand, fine, gray-----	3	25
	Clay, blue-----	4	29
	Gravel-----	9	38

134-054-19CCD  
(Log from Robert Recker)

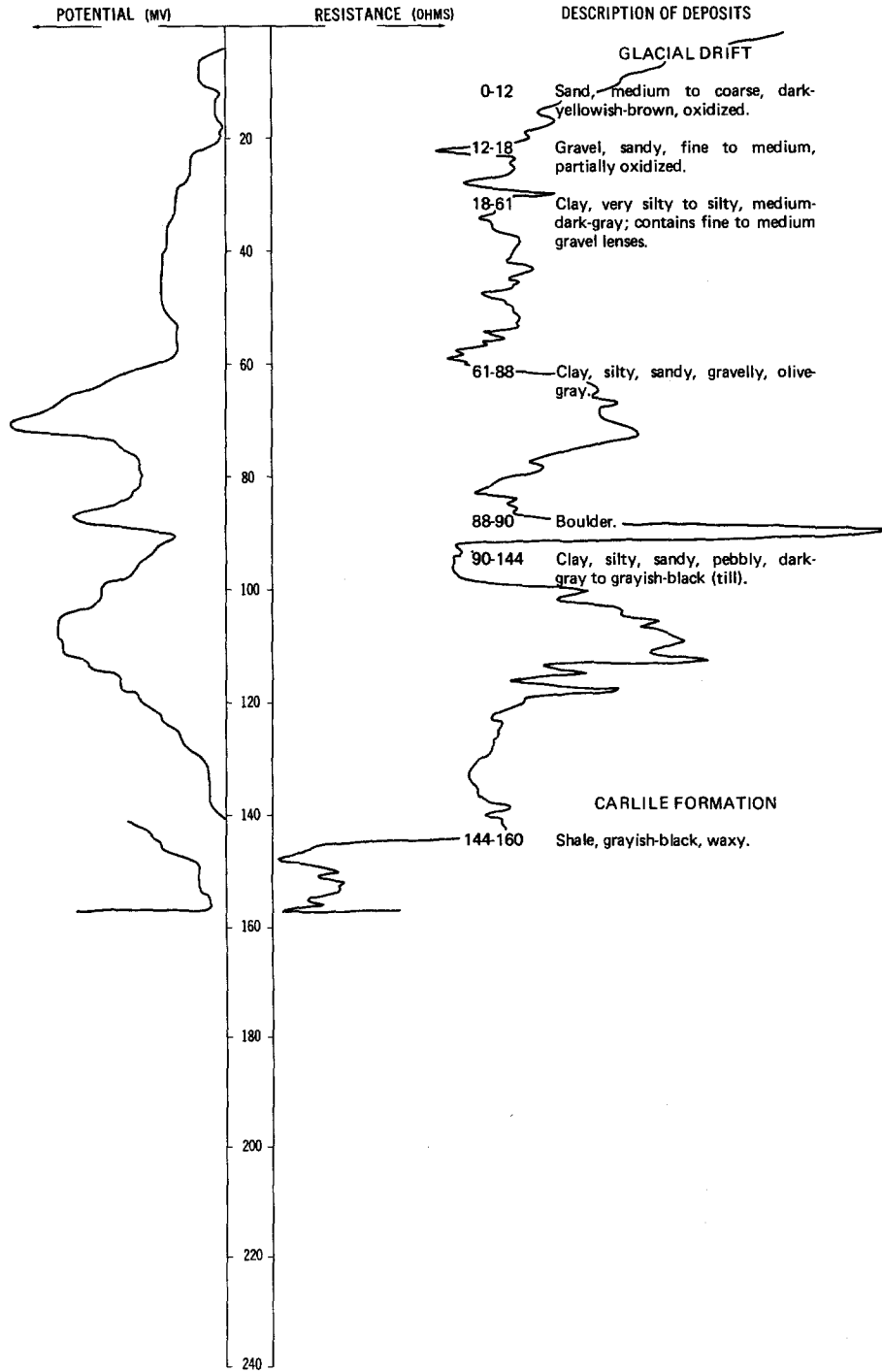
		Date drilled:	9/23/76
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	3	3
	Clay, yellow-----	16	19
	Clay, blue-----	10	29
	Sand, coarse, and gravel-----	15	44

LOCATION: 134-054-26CCC

DATE DRILLED: 10/28/75

ALTITUDE: 1075  
(FT, NGVD)

DEPTH: 160  
(FT)



134-054-348AA  
NDSWC 1179

Altitude: 1075 feet

Date drilled: 7/25/57

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, sandy, black	1	1
	Sand, fine to coarse	8	9
	Gravel, fine to medium	5	14
	Gravel, fine to coarse	9	23
	Till, fine to coarse gravel, gray clay, and shale pebbles	37	60
	Till, gray clay, fine to medium gravel, and shale pebbles	10	70
	Gravel, fine to medium; lignite and shale pebbles	15	85

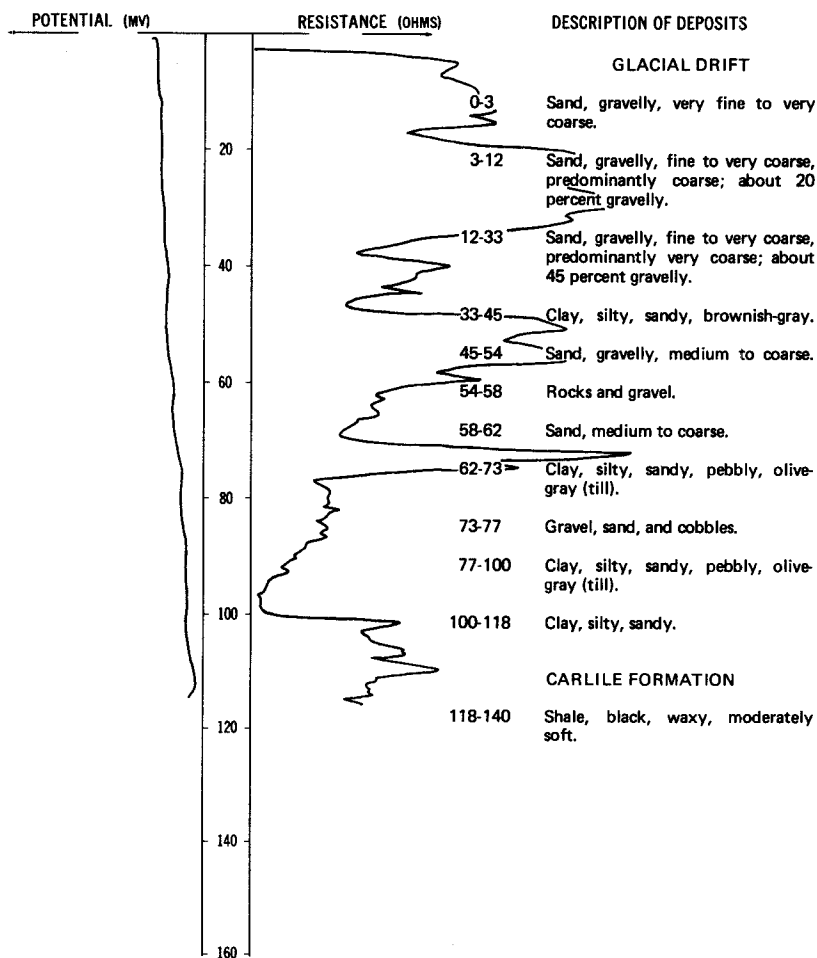
NDSWC 9845, 9845A

LOCATION: 134-054-348BB1. 2

DATE DRILLED: 12/22/76

ALTITUDE: 1072  
(FT, NGVD)

DEPTH: 140  
(FT)

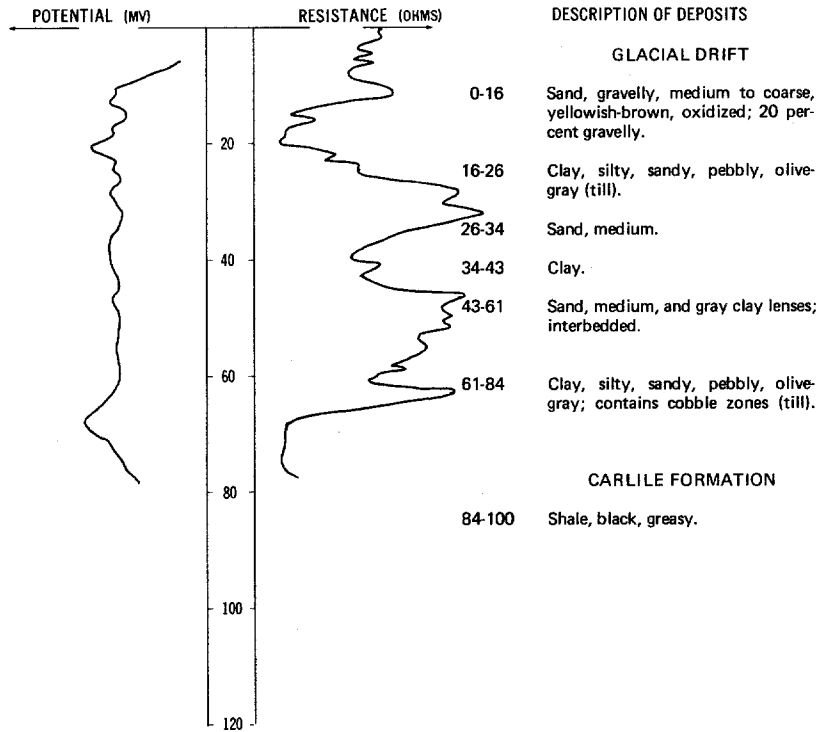


LOCATION: 134-054-34CCC

DATE DRILLED: 9/14/77

ALTITUDE: 1075  
(FT. NGVD)

DEPTH: 100  
(FT)



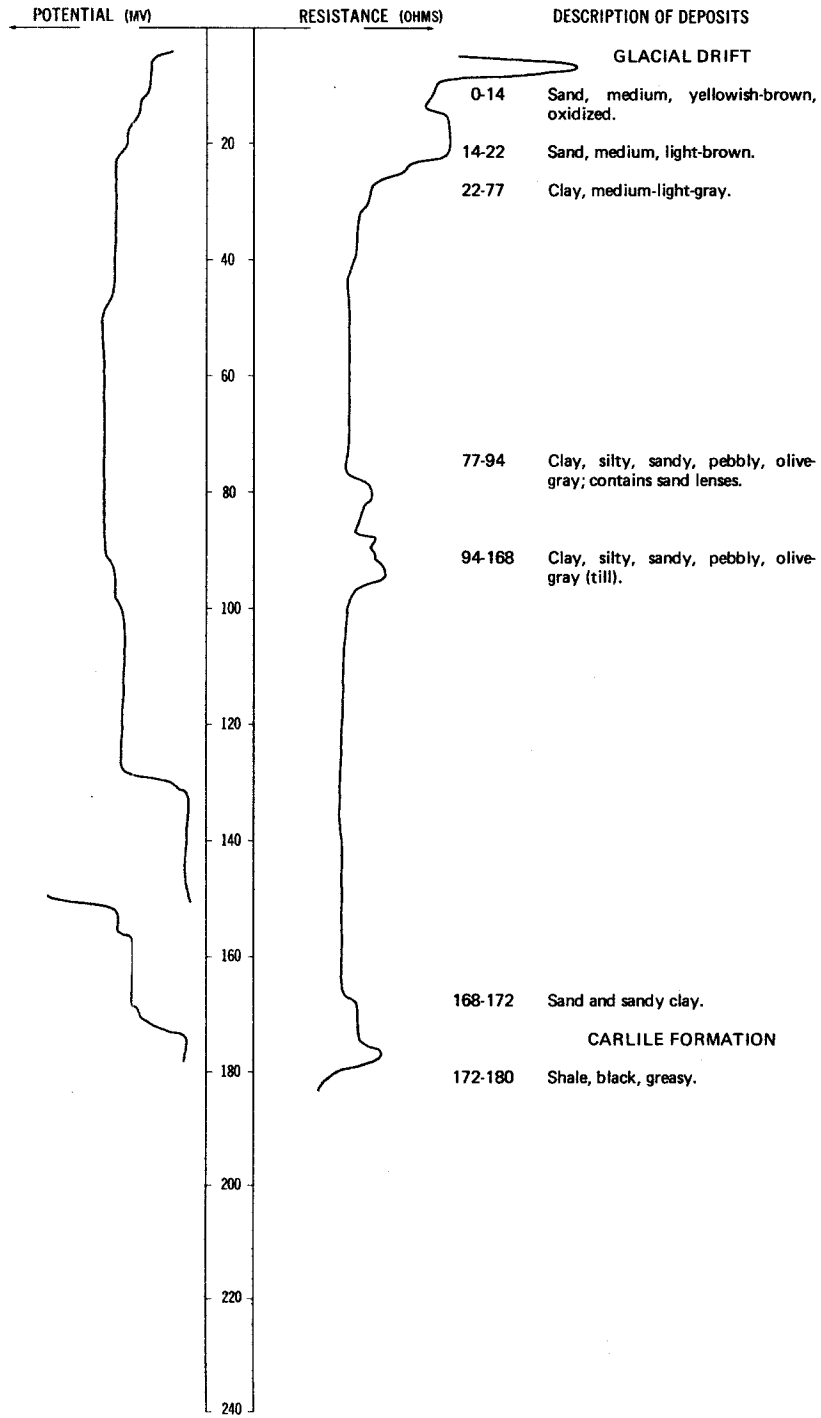
134-054-36CCA  
(Log from Green Circle Supply Co.)

Date drilled: 2/28/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	0.8	0.8
	Sand, medium, brown; with lenses of fine silt-----	4.2	5
	Sand, medium, brown-----	4	9
	Sand, medium to fine, gray-----	9	18
	Gravel; 1/4 inch; and gray sand-----	2	20
	Gravel; 1/4 inch; round configuration; some shale and lignite particles-----	5	25
	Gravel and some sand-----	3	28
	Till, gray, plastic, medium-hard-----	12	40

LOCATION: 134-054-36CCC1, 2  
 ALTITUDE: 1077  
 (FT, NGVD)

DATE DRILLED: 9/15/77  
 DEPTH: 180  
 (FT)



134-055-02DCD  
(Log from Robert Recker)

Date drilled: 6/03/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow	12	12
	Clay, blue	16	28
	Gravel and sand	3	31
	Clay, blue	15	46
	Sand, fine	5	51
	Clay, blue	21	72
	Sand and gravel	8	80

134-055-03BBC  
(Log from Independent Drilling Co.)

Date drilled: 3/23/76

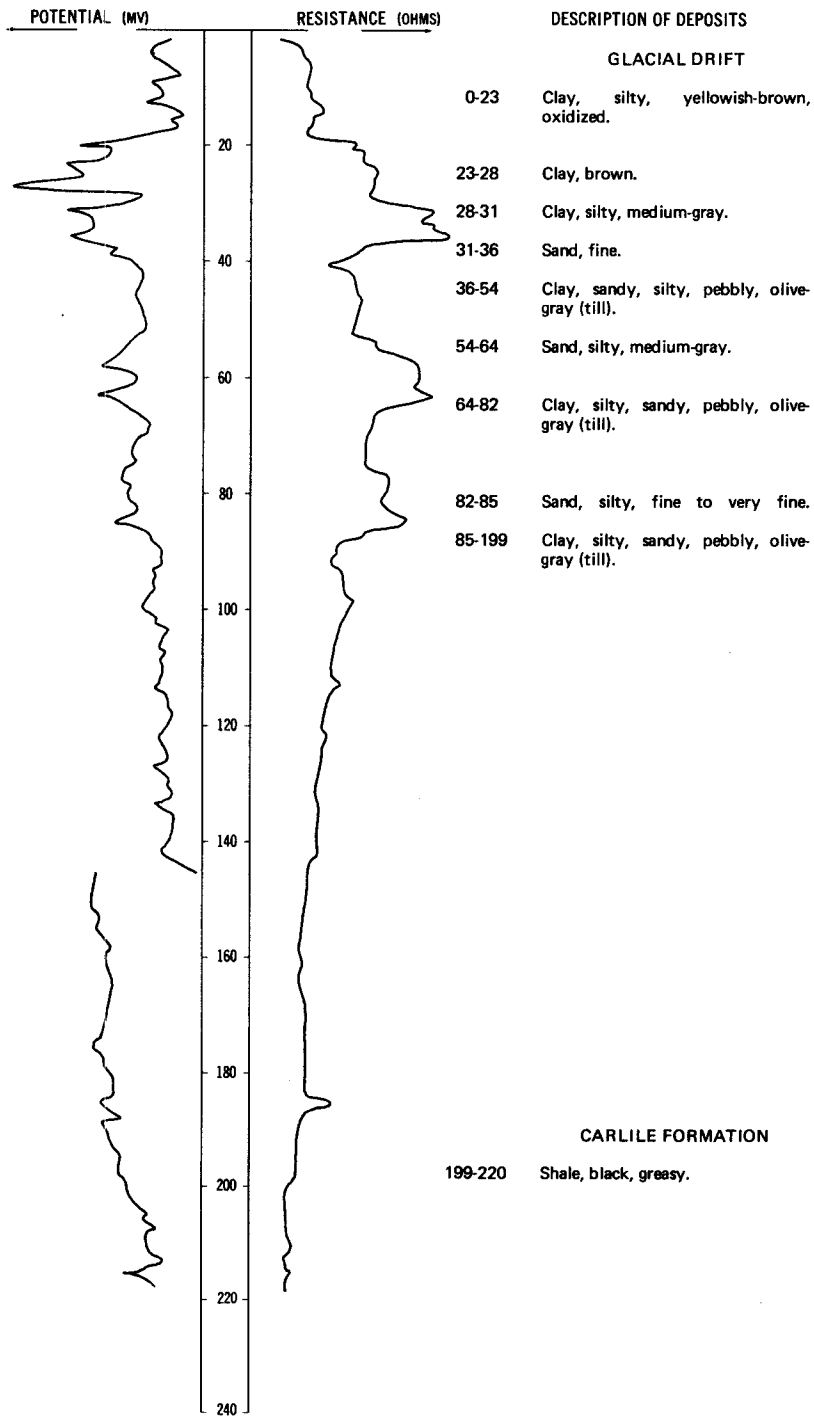
Pierre Shale (top):			160
Greenhorn Formation (top):			346
Dakota Sandstone (top):			673
		42	715

LOCATION: 134-055-03CCC

DATE DRILLED: 10/14/77

ALTITUDE: 1150  
(FT, NGVD)

DEPTH: 220  
(FT)





134-055-08DCC  
(Log from Robert Recker)

Date drilled: 6/24/77

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand and gravel-----	11	11
	Clay, yellow-----	10	21
	Clay, blue-----	48	69
	Sand, fine, gray-----	11	80
	Clay, blue-----	70	150

134-055-08DCD1  
(Log from Robert Recker)

Date drilled: 5/25/77

	Dirt, black-----	2	2
	Gravel-----	5	7
	Clay, yellow-----	10	17
	Clay, blue-----	34	51
	Gravel and coal, coarse-----	1	52
	Clay, blue-----	9	61
	Sand, fine, gray-----	18	79
	Gravel and sand, coarse-----	2	81
	Clay, blue-----	6	87
	Gravel, coarse-----	8	95

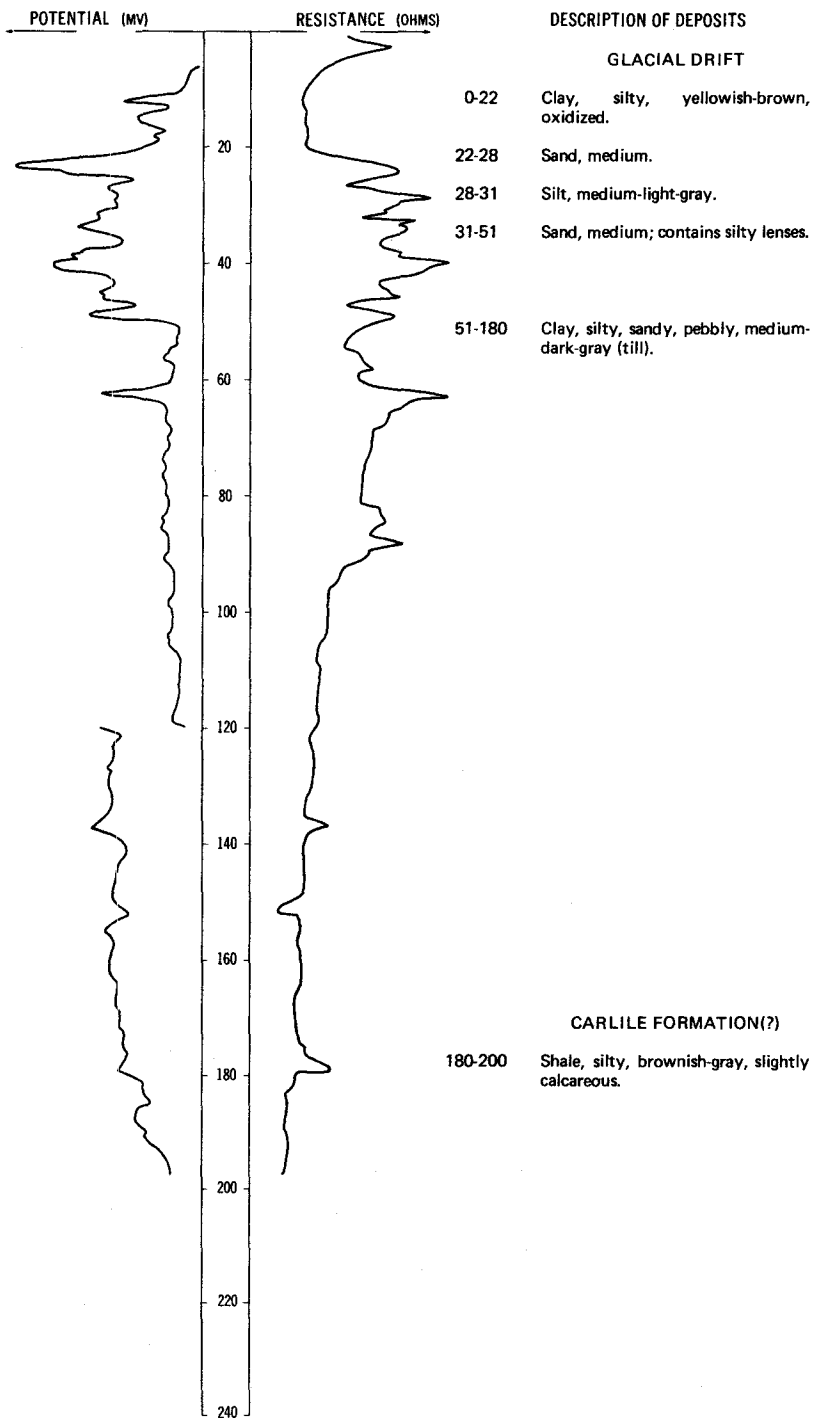
134-055-08DCD2  
(Log from Robert Recker)

Date drilled: 6/21/77

	Dirt, black-----	3	3
	Clay, yellow-----	2	5
	Sand, fine, and clay-----	13	18
	Sand, fine, gray-----	4	22
	Clay, blue-----	4	26
	Sand, fine, and blue clay; mixed-----	17	43
	Clay, blue-----	16	59
	Gravel, coarse, and some clay-----	7	66

LOCATION: 134-055-16DDD  
ALTITUDE: 1155  
(FT, NGVD)

DATE DRILLED: 10/14/77  
DEPTH: 200  
(FT)



134-055-21BBB  
(Log from Robert Recker)

Date drilled: 6/11/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow-----	18	18
	Clay, blue-----	28	46
	Sand, fine, gray-----	25	71
	Clay, blue-----	10	81
	Sand, white-----	6	87

134-055-22ABA  
(Log from Robert Recker)

Date drilled: 7/02/75

	Dirt, black-----	3	3
	Clay, yellow-----	10	13
	Gravel-----	5	18
	Clay, yellow-----	7	25
	Clay, blue-----	14	39
	Sand, fine, gray-----	14	53
	Clay, blue-----	3	56
	Sand, clay, and gravel-----	3	59
	Clay and gravel-----	6	65
	Clay, blue-----	11	76
	Gravel-----	7	83

134-055-26ACA  
(Log from Green Circle Supply Co.)

Date drilled: 4/01/77

	Topsoil, black-----	1	1
	Gravel-----	19	20
	Sand-----	15	35
	Gravel-----	5	40
	Sand and clay-----	5	45
	Gravel; 1/8 to 1/4 inch-----	5	50
	Sand-----	10	60
	Gravel; 1/4 to 3/8 inch-----	5	65
	Clay, blue-----	35	100

134-055-26ADC  
(Log from Mann Drilling Co.)

Date drilled: 10/26/76

	Topsoil, silty-----	4	4
	Sand and gravel-----	48	52
	Clay, silty, hard-----	8	60

134-055-27BCD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/10/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Gravel-----	11	13
	Till, gray-----	27	40
	Sand and gravel-----	15	55
	Clay-----	15	70

134-055-27CAC1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/10/74

	Topsoil-----	2	2
	Gravel-----	13	15
	Till, gray-----	45	60
	Gravel-----	10	70
	Till, gray-----	90	160

134-055-27CAC2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/10/74

	Topsoil-----	2	2
	Gravel-----	21	23
	Till, gray-----	32	55
	Gravel-----	15	70
	Till, gray-----	20	90

134-055-27DDD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/10/74

	Topsoil-----	2	2
	Gravel-----	28	30
	Till, gray-----	25	55
	Sand and gravel-----	15	70
	Clay-----	10	80

134-055-32BBB  
(Log from Robert Recker)

Date drilled: 9/15/75

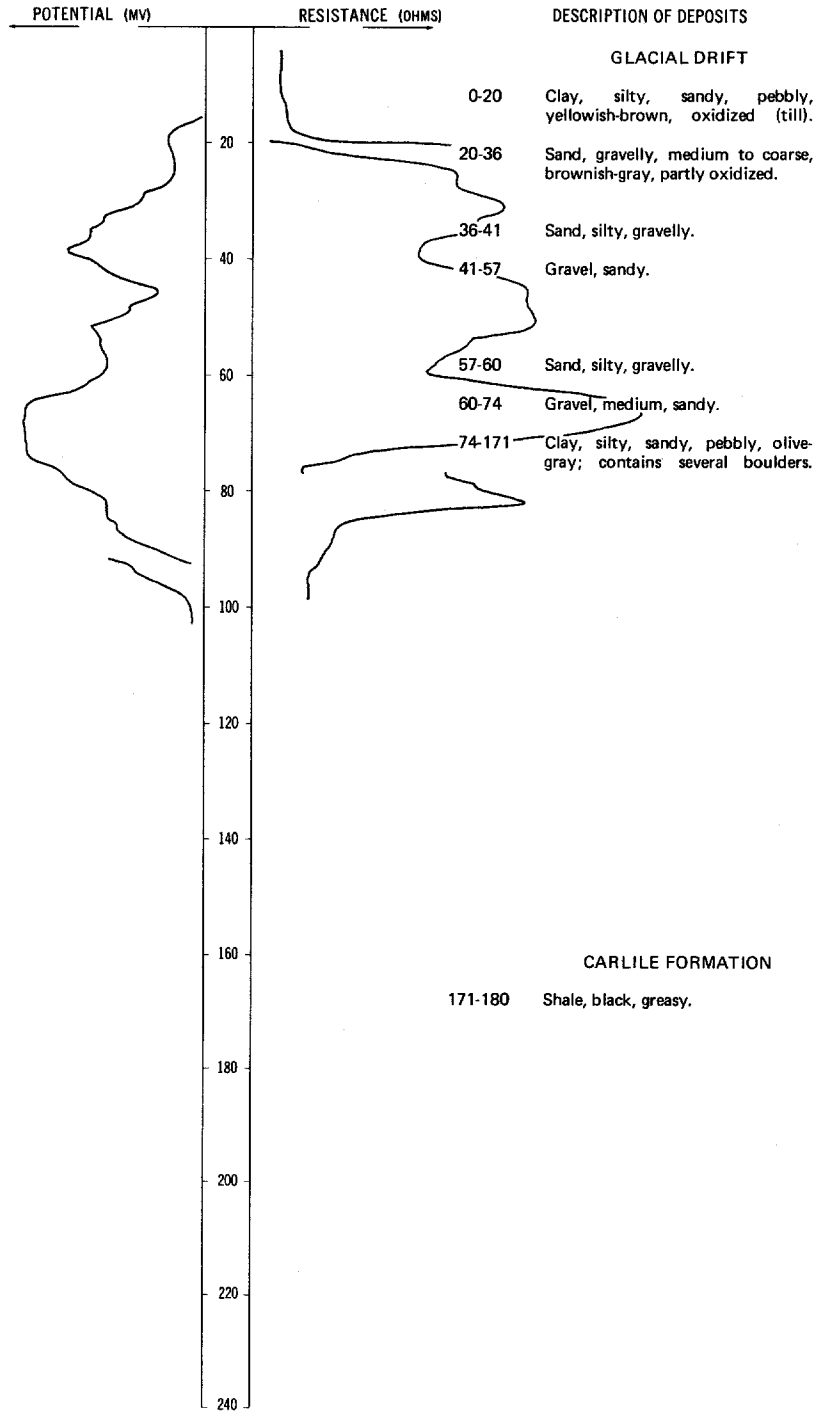
	Dirt, black-----	7	7
	Clay, yellow-----	8	15
	Gravel, coarse-----	3	18
	Chalk, white-----	7	25
	Sand, fine-----	28	53
	Sand, coarse-----	10	63

LOCATION: 134-055-33CCA1

DATE DRILLED: 10/18/77

ALTITUDE: 1167  
(FT, NGVD)

DEPTH: 180  
(FT)

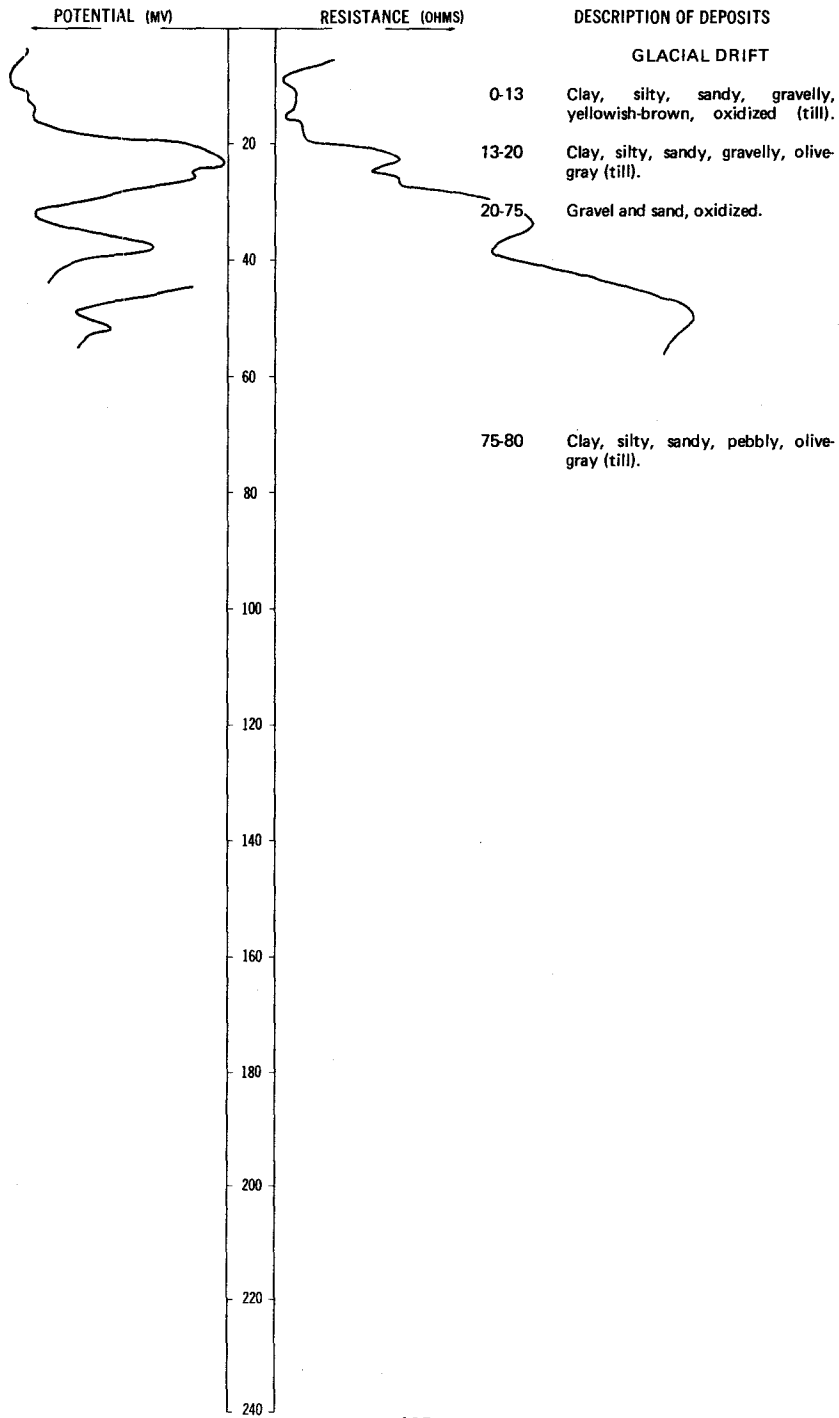


LOCATION: 134-055-33CCA2

DATE DRILLED: 10/18/77

ALTITUDE: 1167  
(FT, NGVD)

DEPTH: 80  
(FT)



134-055-33CCA3  
NDSWC 10017

Altitude:	1167 feet	Date drilled:	10/19/77
<b>GEOLOGIC SOURCE</b>	<b>MATERIAL</b>	<b>THICKNESS (FEET)</b>	<b>DEPTH (FEET)</b>
Glacial drift:			
	Clay, silty, sandy, pebbly, yellowish-brown, oxidized (till)-----	23	23
	Sand, coarse, and gravel; oxidized-----	26	49
	Clay, silty, sandy, pebbly, yellowish-brown, oxidized (till)-----	2	51
	Clay, silty, sandy, pebbly, medium-dark-gray (till)-----	9	60

134-055-34DBB  
(Log from Independent Drilling Co.)

	Date drilled:	10/25/68
Greenhorn Formation (top):		270
Dakota Sandstone (top):	42	660 702

134-055-36AAA  
(Log from Kamoni Well Boring)

	Date drilled:	6/27/75
Dirt, black-----	2	2
Clay, yellow-white-----	4	6
Gravel, bean-size-----	10	16
Clay, sand-----	1	17
Sand, coarse, and gravel-----	3	20

134-056-01BBB  
(Log from Kamoni Well Boring)

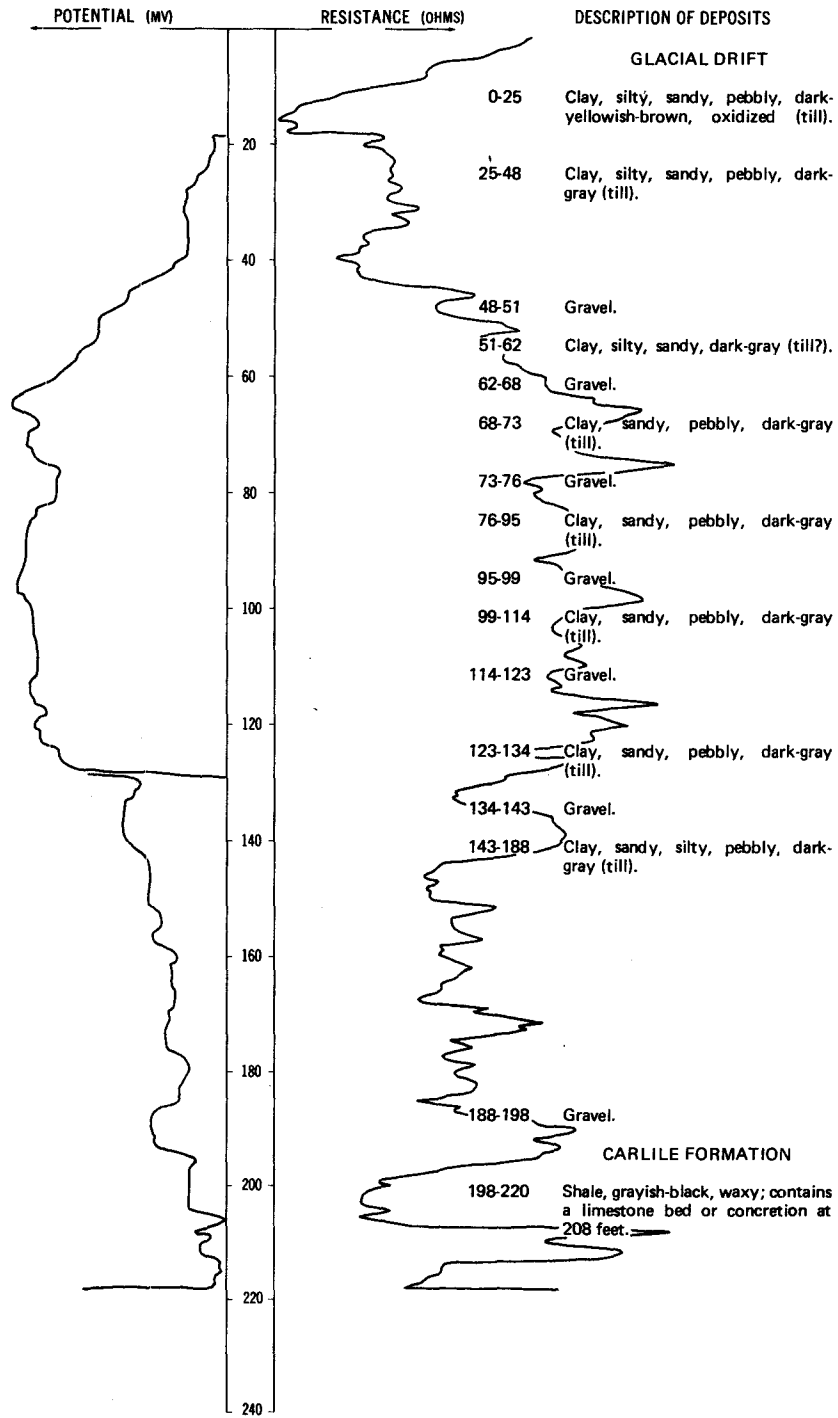
	Date drilled:	7/19/76
Dirt, black-----	2	2
Clay, yellow-----	20	22
Clay, blue-----	28	50
Clay, blue; with 2-inch sand lenses about every 2 feet-----	30	80

LOCATION: 134-056-01DDD

DATE DRILLED: 10/30/75

ALTITUDE: 1184  
(FT, NGVD)

DEPTH: 220  
(FT)





134-056-02ACD  
(Log from Robert Recker)

Date drilled: 4/22/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	2	2
	Clay, yellow-----	11	13
	Clay, blue-----	31	44
	Gravel, coarse-----	3	47

134-056-02DCB  
(Log from Jerry's Well Drilling)

Date drilled: 5/11/66

	Dirt, black-----	10	10
	Dirt and clay mix, blue-black-----	4	14
	Clay, gray, and fine sand-----	4	18

134-056-11BBB  
(Log from Independent Drilling Co.)

Date drilled: 6/19/72

Glacial drift:	Till-----	80	80
Carlile Formation(?):	Shale-----	258	338
Greenhorn Formation:		22	360
Belle Fourche Shale(?):	Shale-----	415	775
Dakota Sandstone:		75	850

134-056-12BCD  
(Log from Robert Recker)

Date drilled: 4/22/76

	Dirt, black-----	6	6
	Clay, dark-brown-----	6	12
	Sand, fine, gray-----	6	18
	Sand, coarse, white-----	4	22

134-056-13ABA  
(Log from Independent Drilling Co.)

Date drilled: 6/03/72

Glacial drift:	Till-----	140	140
Carlile Formation(?):	Shale-----	222	362
Greenhorn Formation (top):			362
Dakota Sandstone (top):		60	800
			860

134-056-14AAB  
(Log from Gores Well Drilling)

		Date drilled: 12/20/73	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	8	8
	Gravel-----	7	15
	Clay-----	685	700

134-056-14ABB  
(Log from Independent Drilling Co.)

		Date drilled: 8/29/73	
	Greenhorn Formation (top):		298
	Lakota Formation (top):		646
		42	688

134-056-14ADC  
(Log from Kamoni Well Boring)

		Date drilled: 6/19/74	
	Dirt, black-----	2	2
	Clay, yellow, and gravel-----	4	6
	Clay, black-----	1	7
	Gravel, dry-----	4	11
	Sand and gravel, water-bearing-----	4	15
	Rocks-----	1	16
	Sea mud, sandy-----	3	19
	Clay, blue-----	1	20

134-056-14ADD1  
(Log from Robert Recker)

		Date drilled: 6/08/72	
	Clay, black-----	19	19
	Sand-----	4	23

134-056-14ADD2  
(Log from Kamoni Well Boring)

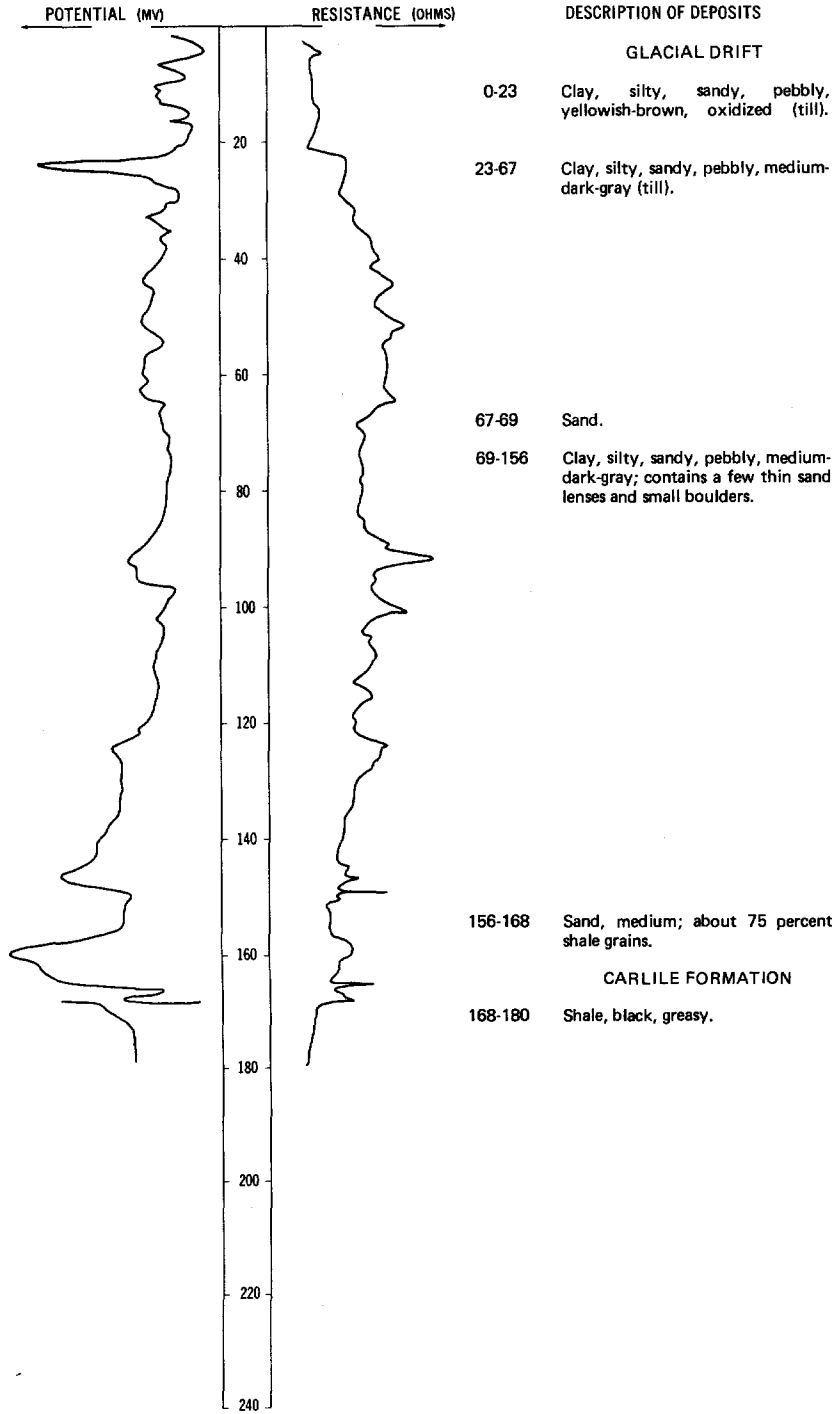
		Date drilled: 12/03/76	
	Dirt, black-----	2	2
	Sand, yellow, and gravel, dry-----	16	18
	Clay, sandy, blue, hard-----	35	53
	Clay, blue; with 1/2- to 1-inch sand lenses-----	22	75

LOCATION: 134-056-21AAA

DATE DRILLED: 10/17/77

ALTITUDE: 1210  
(FT. NGVD)

DEPTH: 180  
(FT)



134-056-23AAA  
(Log from Independent Drilling Co.)

GEOLOGIC SOURCE MATERIAL	Date drilled: 5/15/70	
	THICKNESS (FEET)	DEPTH (FEET)
Greenhorn Formation (top):		250
Dakota Sandstone (top):	44	595 639

134-056-28CDD2  
(Log from Independent Drilling Co.)

GEOLOGIC SOURCE MATERIAL	Date drilled: 4/10/68	
	THICKNESS (FEET)	DEPTH (FEET)
Pierre Shale (top):		180
Greenhorn Formation (top):		478
Dakota Sandstone (top):	275	680 955

134-056-35DDB  
(Log from Kamoni Well Boring)

GEOLOGIC SOURCE MATERIAL	Date drilled: 3/17/75	
	THICKNESS (FEET)	DEPTH (FEET)
Dirt, black-----	2	2
Clay, yellow-----	8	10
Sand, yellow-----	2	12
Clay, yellow-----	10	22
Clay, blue-----	50	72
Sand, coarse-----	2	74
Clay, blue-----	5	79

134-057-06BBB  
(Log from Gores Well Drilling)

GEOLOGIC SOURCE MATERIAL	Date drilled: 6/12/75	
	THICKNESS (FEET)	DEPTH (FEET)
Dirt, black-----	2	2
Clay, yellow-----	58	60
Clay, blue-----	20	80
Sand-----	5	85
Sandstone-----	35	120
Sand-----	20	140
Stone-----	5	145
Shale-----	15	160

134-057-06CAC  
(Log from Adair Drilling Co.)

Date drilled: 11/15/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Gravel, yellow-----	17	18
	Clay, yellow-----	12	30
	Gravel, coarse-----	18	48
	Rock and gravel-----	8	56
	Clay, gray-----	27	83

134-057-12BAA1  
(Log from Kamoni Well Boring)

Date drilled: 8/23/74

	Dirt, black-----	2	2
	Clay, yellow-----	18	20
	Clay, blue-----	18	38
	Sand, medium-coarse-----	2	40
	Clay, blue-----	16	56
	Sand, semifine, yellow-----	2	58
	Clay, blue-----	7	65

134-057-12BAA2  
(Log from Traut Wells, Inc.)

Date drilled: 6/23/77

	Topsoil-----	4	4
	Clay, brown-----	26	30
	Clay, gray-----	30	60
	Clay, sandy, gray-----	22	82
	Sand, brown-----	2	84
	Clay, sandy, gray-----	38	122
	Sand, brown-----	4	126
	Clay, sandy, gray-----	11	137
	Sand, dirty-----	3	140
	Clay, sandy, gray-----	83	223
	Shale-----	7	230

134-057-13CDC1  
(Log from Kamoni Well Boring)

Date drilled: 9/03/74

	Dirt, black-----	2	2
	Clay, yellow-----	26	28
	Sand; coarse in 2- to 3-inch lenses-----	4	32
	Clay, yellow-----	2	34
	Sand, yellow-----	2	36
	Clay, blue-----	6	42

134-057-13CDC2  
(Log from Robert Recker)

		Date drilled: 5/27/77	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	4	4
	Clay, yellow	18	22
	Clay, blue	39	61
	Clay sand, gray	13	74
	Clay, blue	16	90
	Sand and clay; mixed	12	102
	Clay, blue	43	145
	Rock	5	150
	Gravel and clay	4	154
	Clay, blue	3	157
	Gravel and clay	3	160
	Clay, blue	5	165
	Clay, blue, and fine sand	20	185
	Clay, blue	80	265

134-057-13CDC3  
(Log from Robert Recker)

		Date drilled: 5/27/77	
	Dirt, black	4	4
	Clay, yellow	71	75
	Gravel	1	76
	Clay, blue	67	143
	Rock	.5	143.5
	Clay, blue	4.5	148
	Gravel and clay	2	150
	Clay, blue	1	151
	Sand, fine, gray	2	153
	Clay, blue	10	163
	Gravel and shale	7	170

134-057-15DDB  
(Log from Robert Recker)

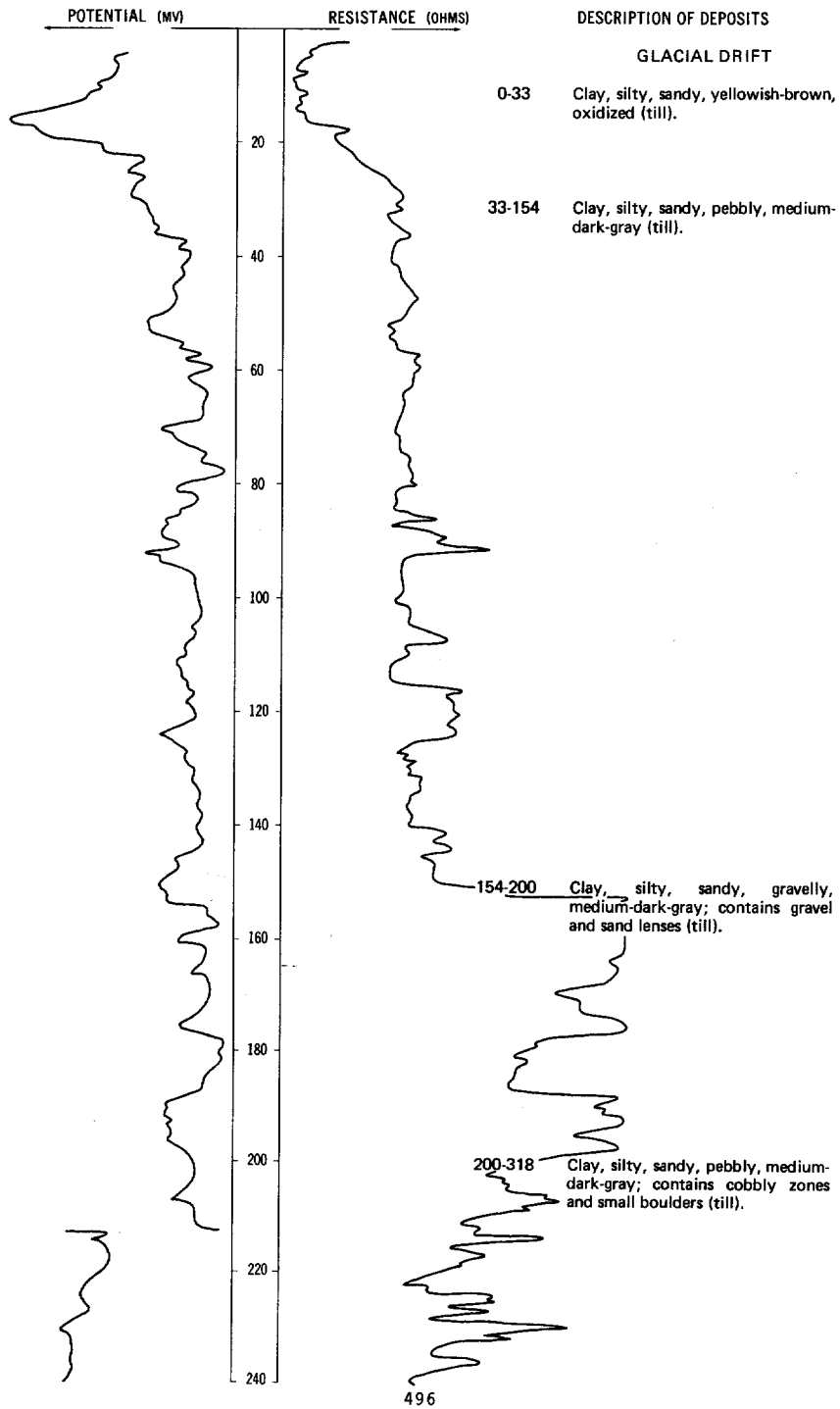
		Date drilled: 6/04/76	
	Dirt, black	6	6
	Clay, yellow	17	23
	Clay, blue	30	53
	Gravel and blue clay	2	55
	Clay, blue	49	104
	Clay, blue; with sand	30	134
	Sand, coarse	4	138

134-057-15DDD  
(Log from Robert Recker)

		Date drilled: 4/03/74	
	Clay, yellow	22	22
	Clay, blue	28	50
	Clay, light-gray	22	72
	Clay and gravel	18	90
	Clay, blue	12	102
	Clay and gravel seams	7	109
	Clay, blue	15	124
	Gravel and sand	8	132

LOCATION: 134-057-16CDD  
ALTITUDE: 1408  
(FT. NGVD)

DATE DRILLED: 8/16/77  
DEPTH: 340  
(FT)

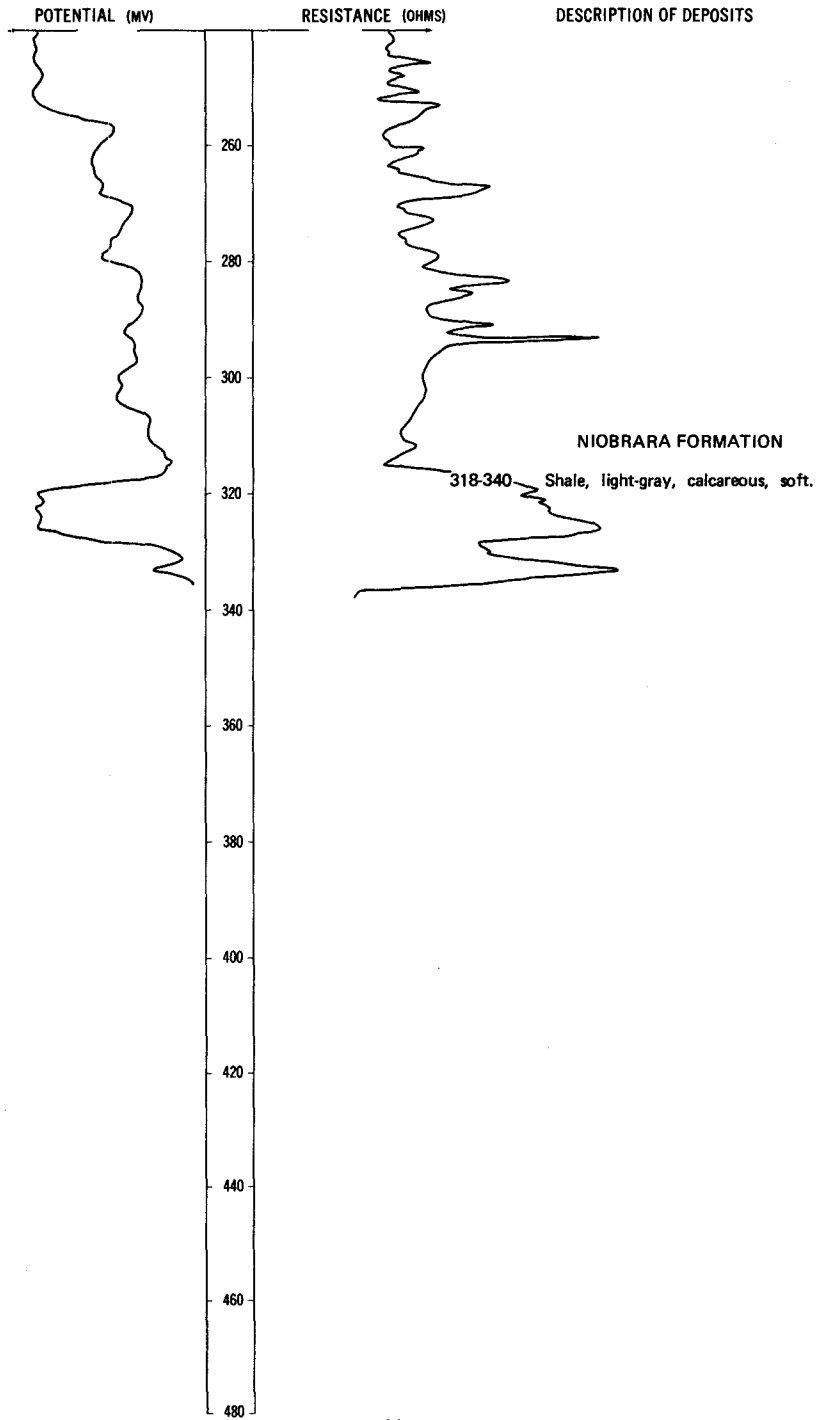


LOCATION: 134-057-16CDD

DATE DRILLED: 8/16/77

ALTITUDE: 1408  
(FT, NGVD)

DEPTH: 340  
(FT)





134-057-17BBB  
(Log from Green Circle Supply Co.)

Date drilled: 2/18/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1.5	1.5
	Gravel, medium, brown, oxidized-----	11.5	13
	Gravel; 1/4 to 1/2 inch; brown-----	7	20
	Sand, clayey, gray-----	18	38
	Sand, coarser, cleaner-----	2	40
	Sand, silty; occasional clay chunk-----	10	50
	Sand, gray; occasional gravel-----	10	60
	Sand, gray; interbedded with silty fines-----	7	67
	Rock, gray; till below-----	---	67

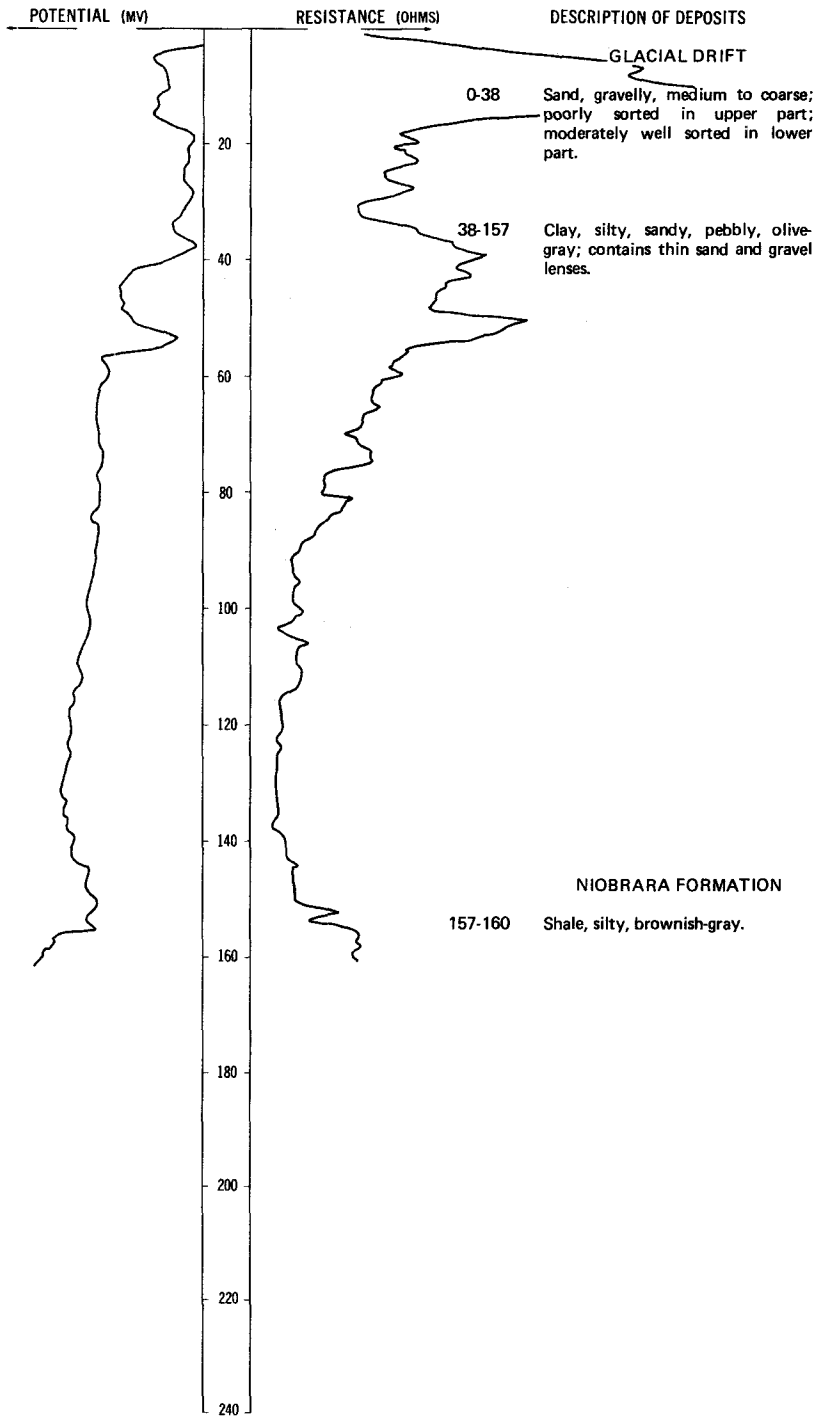
134-057-17BCC  
(Log from Green Circle Supply Co.)

Date drilled: 2/18/75

	Topsoil-----	1.5	1.5
	Sand, fine, silty, brown-----	2.5	4
	Gravel, medium, brown, oxidized-----	6	10
	Sand, silty, brown-----	2	12
	Gravel; 1/2 to 1 1/2 inch; and sand, brown-----	3	15
	Gravel, brown-----	5	20
	Till, soft, brown-----	2	22
	Till, rocky, gray-----	18	40

LOCATION: 134-057-18BBB2, 1  
ALTITUDE: 1344  
(FT, NGVD)

DATE DRILLED: 6/29/76  
DEPTH: 160  
(FT)



134-057-18BCC1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 4/04/67

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand and gravel-----	44	46
	Till, gray-----	13	59
	Sand and gravel-----	10	69
	Till, gray-----	13	82
	Sand-----	2	84
	Till, gray-----	25	109
	Sand, fine-----	9	118
	Till, gray-----	42	160

134-057-18BCC2  
(Log from Wieber Well Drilling)

Date drilled: 9/01/76

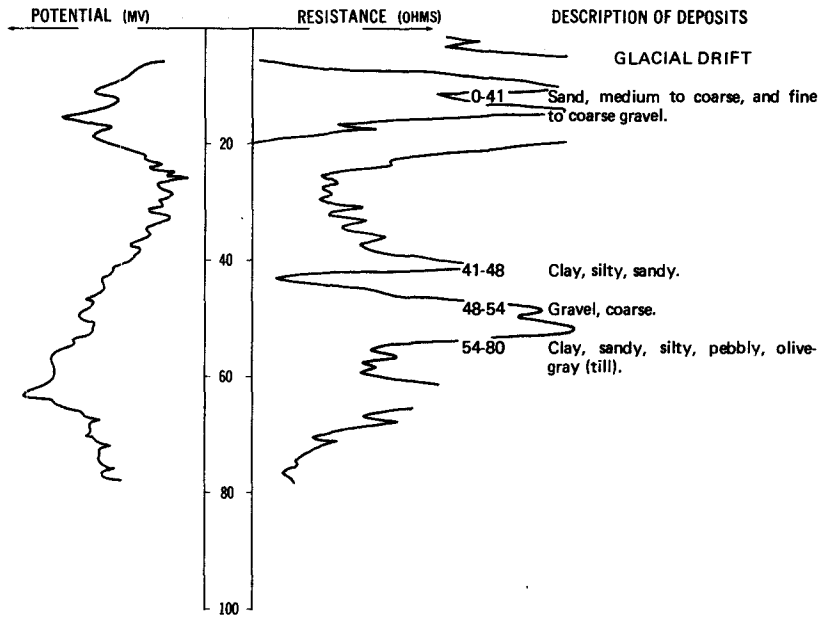
	Topsoil, sandy, dark-----	1	1
	Sand, red, and gravel-----	24	25
	Sand, dark-----	23	48

LOCATION: 134-057-18BCC3

DATE DRILLED: 8/10/77

ALTITUDE: 1344  
(FT, NGVD)

DEPTH: 80  
(FT)



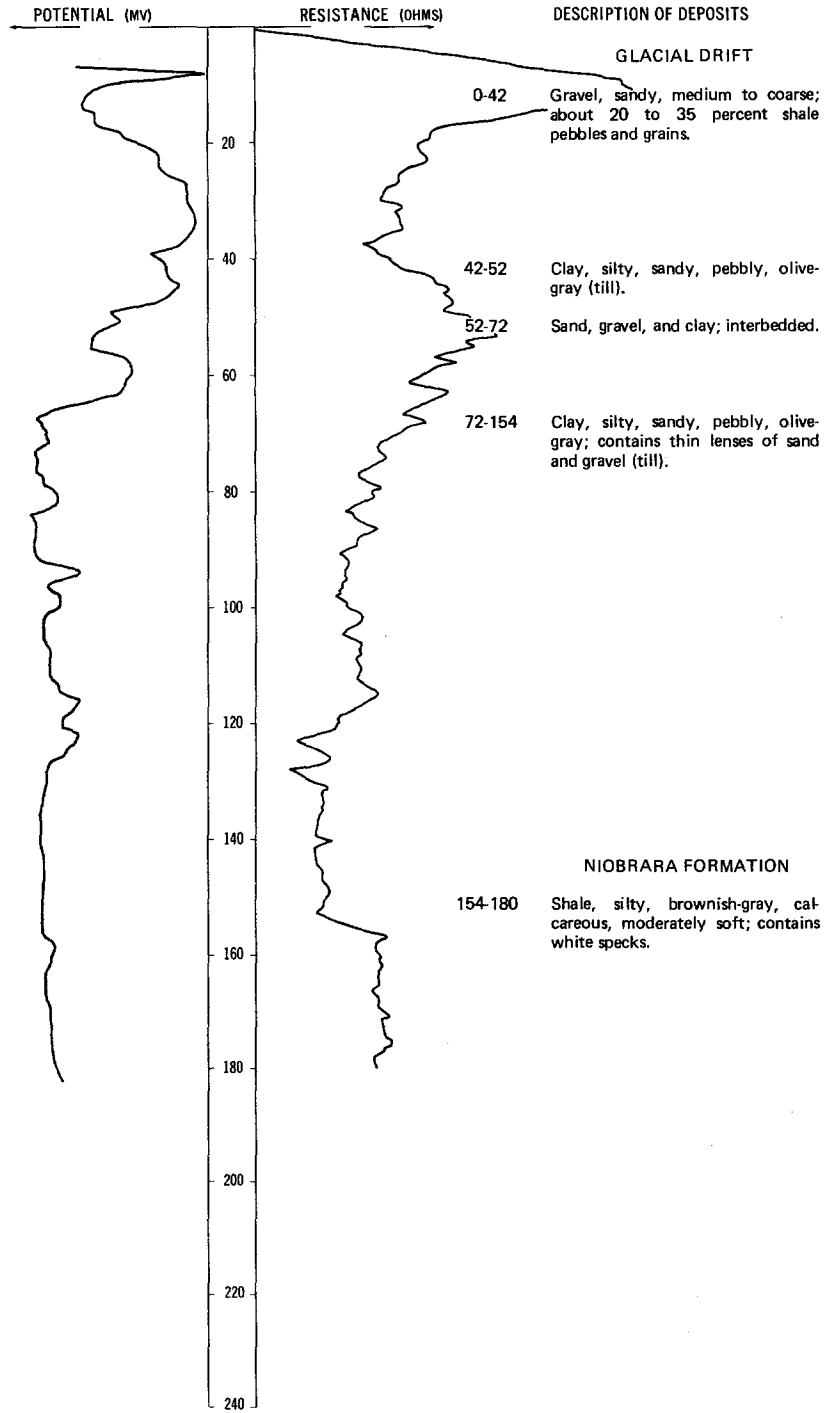
134-057-18BCD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 4/04/67

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Sand and gravel.....	33	35
	Till, gray.....	27	62
	Gravel.....	3	65
	Till, gray.....	15	80

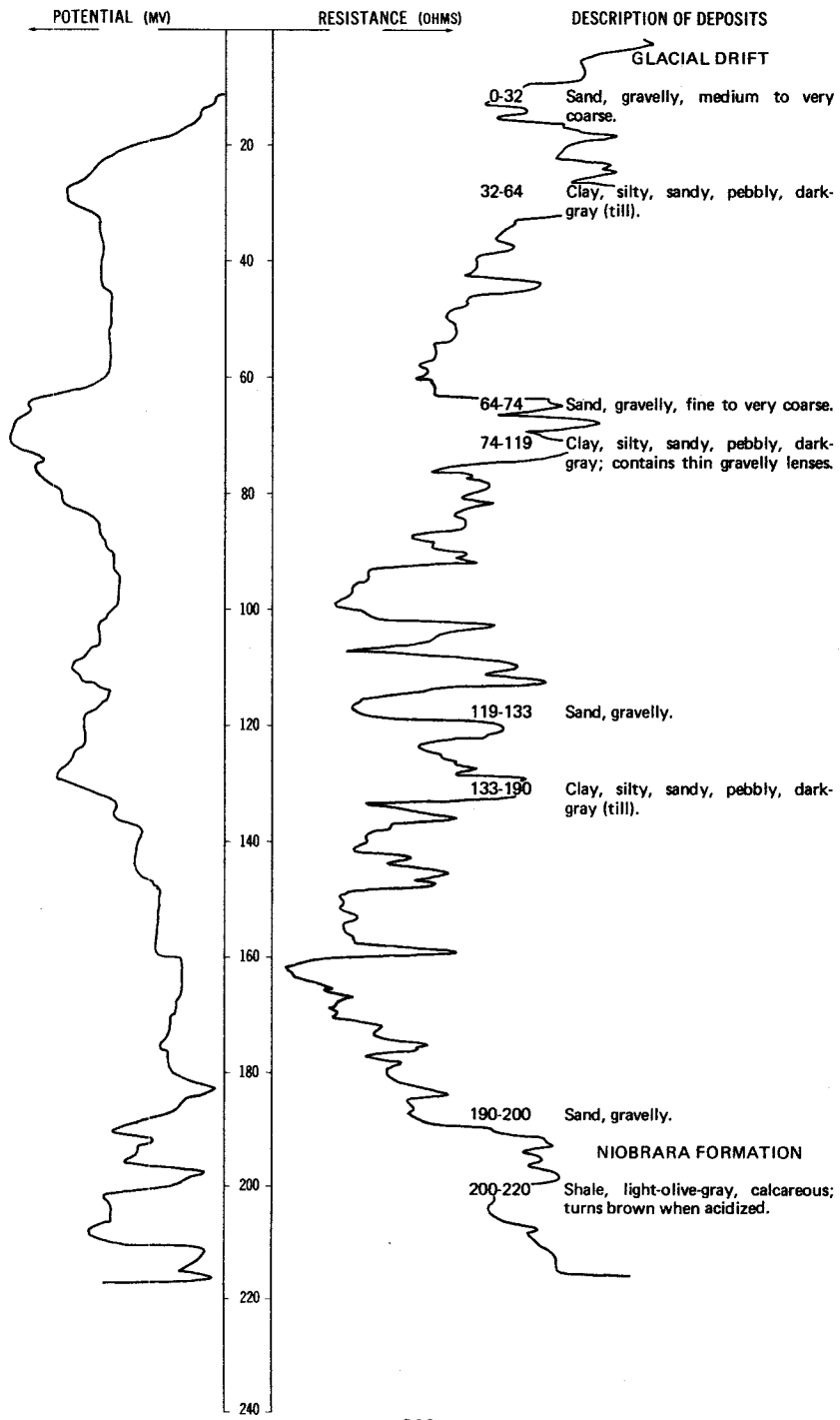
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 ALTITUDE: 1340  
 (FT, NGVD)

DATE DRILLED: 6/29/76  
 DEPTH: 180  
 (FT)



LOCATION: 134-057-18DDD  
ALTITUDE: 1342  
(FT, NGVD)

DATE DRILLED: 11/05/75  
DEPTH: 220  
(FT)



134-057-19AAA  
(Log from Traut Wells, Inc.)

		Date drilled: 6/24/77	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand; 30-40 slot-----	18	20
	Clay, sandy, gray-----	5	25
	Sand, fine-----	16	41
	Clay, gray-----	19	60

134-057-19AAB  
(Log from Traut Wells, Inc.)

		Date drilled: 6/24/77	
	Topsoil-----	2	2
	Sand; 30-40 slot-----	21	23
	Clay, gray-----	2	25
	Sand, fine, gray-----	25	50
	Clay, gray-----	10	60

134-057-19AAC  
(Log from Green Circle Supply Co.)

		Date drilled: 2/17/75	
	Topsoil-----	1	1
	Gravel, brown, oxidized, and dirty sand-----	4	5
	Sand, medium, brown, oxidized-----	9	14
	Till, sandy, gray-----	9	23
	Sand, medium to coarse, gray-----	6	29
	Sand, fine, gray-----	6	35
	Till, rocky, soft, gray-----	5	40

134-057-19ABB  
(Log from Green Circle Supply Co.)

		Date drilled: 2/18/75	
	Topsoil-----	1.5	1.5
	Gravel, brown; with some sand-----	4.5	6
	Clay, silty, brown, soft-----	4	10
	Till, brown-----	2	12
	Till, gray; with sand laminations-----	4	16
	Sand, medium, gray; with shale float-----	4	20
	Sand, gray; with isolated gravels-----	16.5	36.5
	Till, gray; rocks-----	3.5	40

134-057-19ABC  
(Log from Green Circle Supply Co.)

		Date drilled: 2/17/75	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1.5	1.5
	Sand, brown, and medium gravel-----	4.5	6
	Clay, silty, brown, soft-----	4	10
	Till; clay, brown; and small stones-----	2	12
	Till, gray; with sand laminations-----	4	16
	Sandshale, medium to fine, gray-----	20.5	36.5
	Till, gray-----	3.5	40

134-057-19ACC  
(Log from Green Circle Supply Co.)

		Date drilled: 2/18/75	
	Topsoil-----	1	1
	Subsoil, silty, tan-----	2	3
	Gravel; 1/4 to 1/2 inch; brown; oxidized-----	13	16
	Clay, silty, brown, dense-----	1	17
	Sand, clayey, brown-----	3	20
	Till, gray; with layers of sand-----	25	45

134-057-19ADD  
(Log from Green Circle Supply Co.)

		Date drilled: 3/11/75	
	Topsoil-----	1.2	1.2
	Sand, medium, brown; with isolated gravels and scattered shale float-----	16.8	18
	Till, gray, soft, moist-----	3	21
	Gravel, pea-size-----	1	22
	Clay, sandy, gray; with occasional gravel-----	3	25
	Sand, fine, gray; with shale float and lignite particles-----	5	30
	Sand, medium to fine; with gravel, shale, and lignite-----	5	35
	Sand, medium to fine, gray; with clay lenses and isolated gravel-----	20	55
	Sand, fine, gray; with shale and lignite float-----	22	77
	Till, gray; with cobbles-----	3	80



134-057-19DBC  
(Log from Green Circle Supply Co.)

		Date drilled: 3/11/75	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, brown, oxidized; with limestone ledges-----	18	19
	Sand, brown, and gravel; mixed with clay-----	1	20
	Sand, clayey, gray; with shale float-----	5	25
	Sand, gray; some pea-size gravel-----	5	30
	Sand, medium, gray; with gravels and shale float; lignite chunks to 1 inch-----	5	35
	Sand, medium to fine, gray; with 10 percent lignite and occasional gravel-----	7	42
	Till, clay, gray; with limestone rock ledges and occasional lignite chunks-----	18	60

134-057-19DCA  
(Log from Green Circle Supply Co.)

		Date drilled: 3/11/75	
	Topsoil-----	1	1
	Sand, medium, brown; with shale float; clean-----	11	12
	Clay, sandy, brown, soft, oxidized; with gravel-----	1	13
	Till, clay, gray-----	2	15
	Sand, medium to fine, gray; with lignite particles and shale float-----	6	21
	Till, gray, soft-----	2	23
	Sand, medium to fine, gray; with 10 percent medium gravel, lignite, and shale float-----	7	30
	Sand, medium, gray, clean; with lignite particles and shale float-----	7	37
	Sand, clayey, gray; with lenses of small gravels, lignite, and shale float-----	3	40
	Sand, gray; with shale (30 to 40 percent), gravel, and lignite-----	7	47
	Clay, gray; with gray clayey sand-----	3	50
	Till, gray, cobbles; with isolated gravel lenses-----	10	60

134-057-19DCC  
(Log from Empire Irrigation & Drilling Co., Inc.)

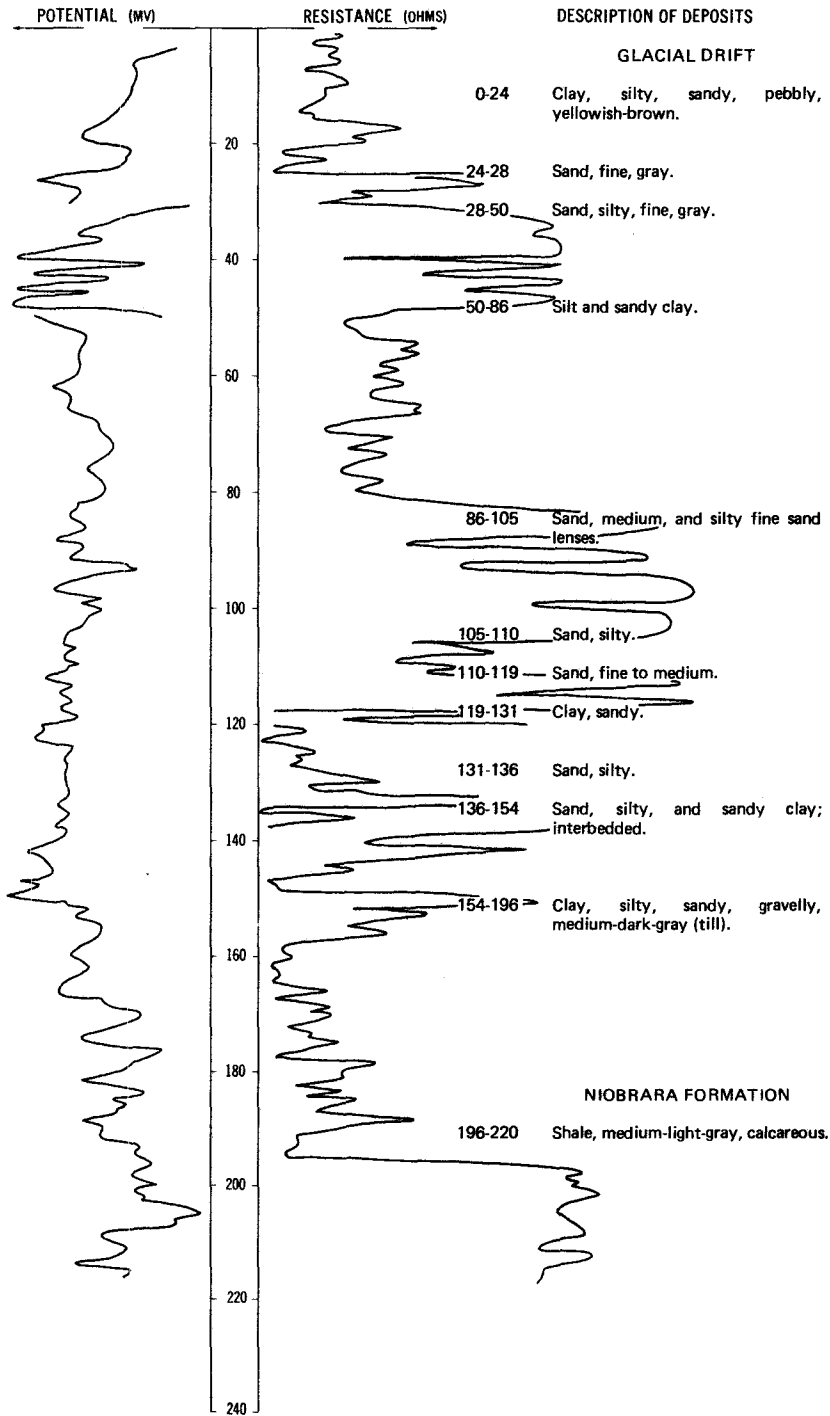
		Date drilled: 6/21/74	
	Topsoil-----	2	2
	Clay-----	6	8
	Sand and gravel-----	52	60

LOCATION: 134-057-20ABB

DATE DRILLED: 8/15/77

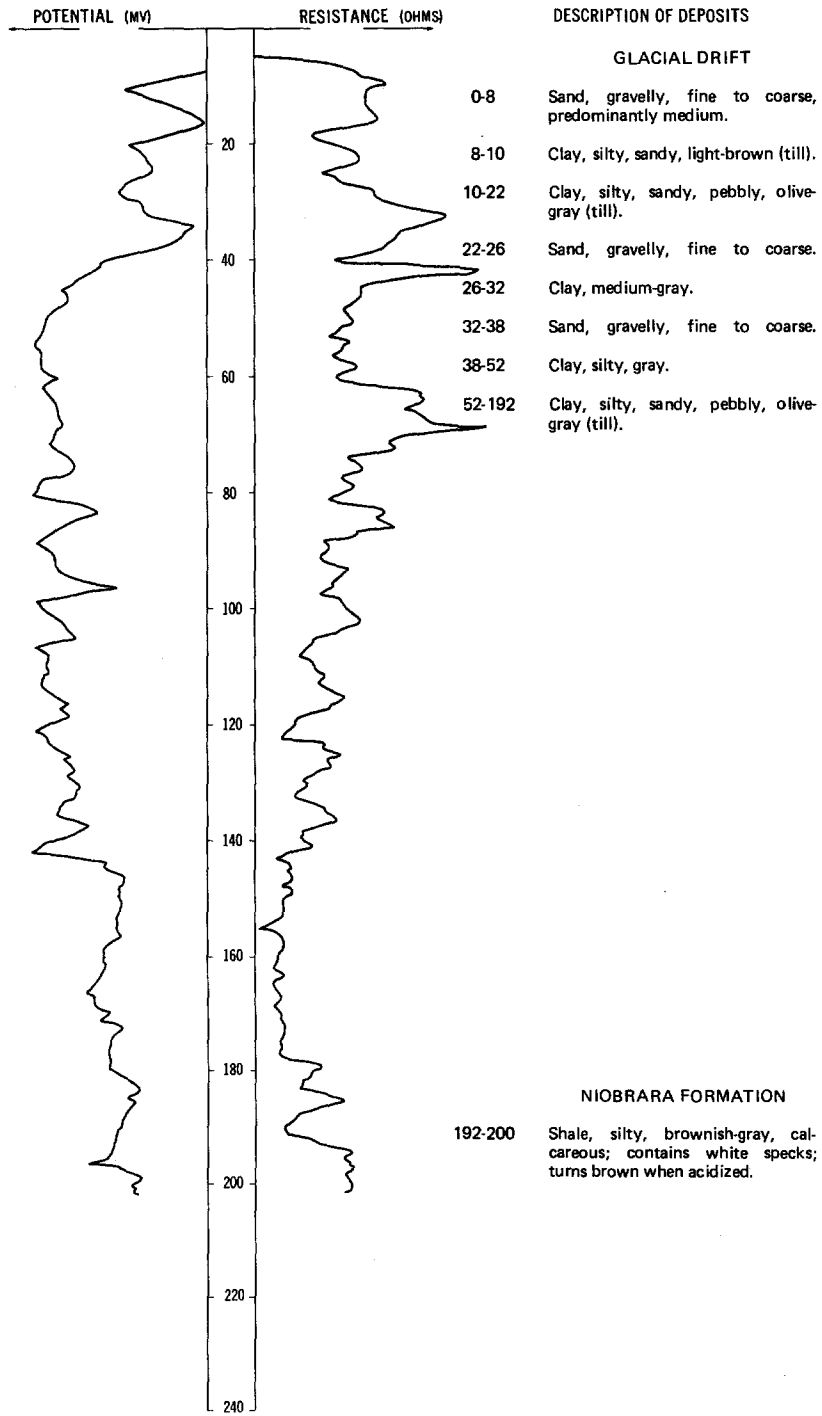
ALTITUDE: 1354  
(FT, NGVD)

DEPTH: 220  
(FT)



LOCATION: 134-057-20CCC1, 2  
 ALTITUDE: 1334  
 (FT, NGVD)

DATE DRILLED: 6/29/76  
 DEPTH: 200  
 (FT)



134-057-22DDD  
(Log from Robert Recker)

Date drilled: 10/31/75

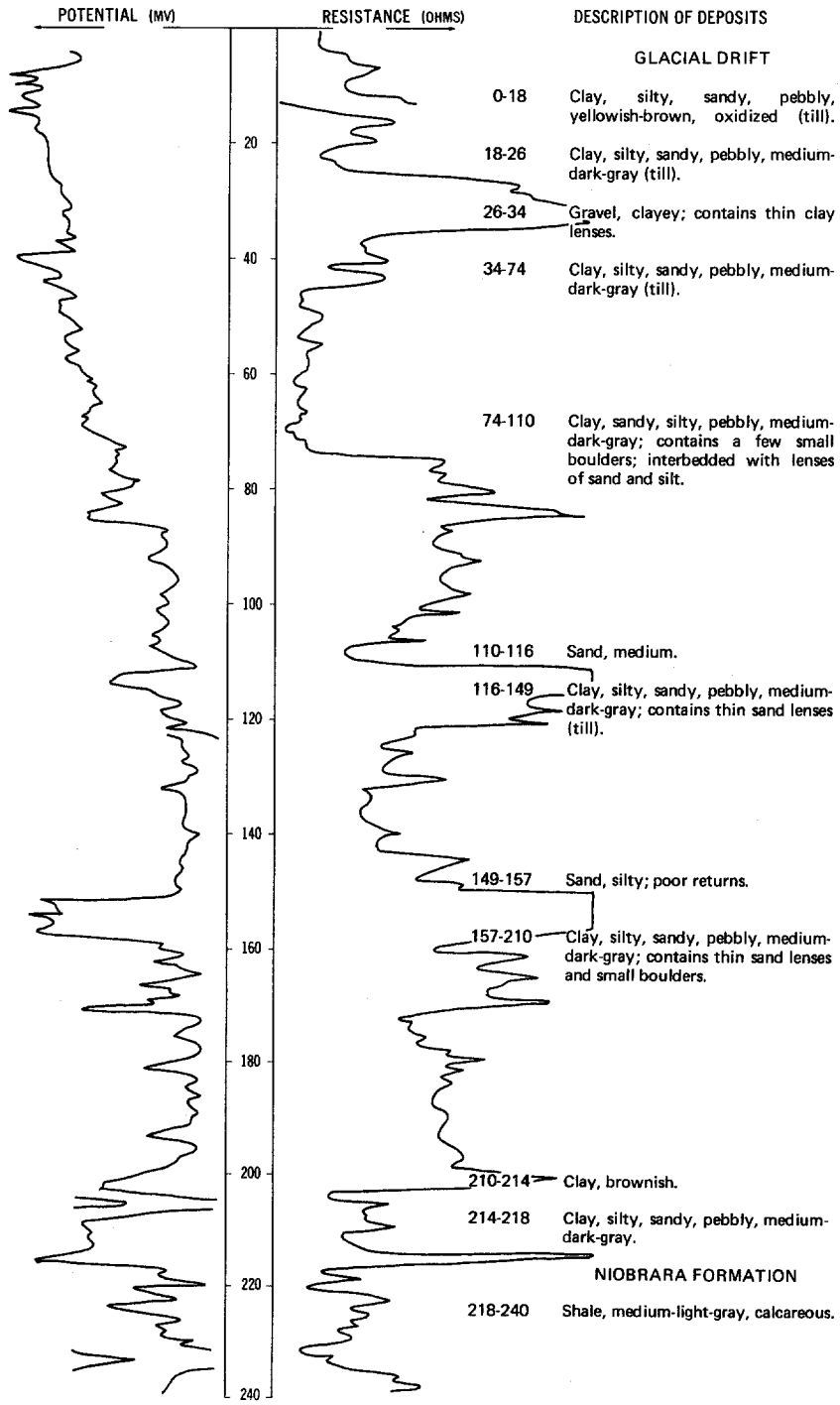
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	4	4
	Clay, yellow-----	17	21
	Clay, blue-----	69	90
	Sand, fine-----	3	93
	Clay, blue-----	44	137
	Gravel, coarse, and sand-----	9	146

LOCATION: 134-057-23DBB

DATE DRILLED: 8/17/77

ALTITUDE: 1320  
(FT, NGVD)

DEPTH: 240  
(FT)



134-057-28BBB  
(Log from Robert Recker)

Date drilled: 8/12/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	27	29
	Clay, blue	13	42
	Gravel	1	43
	Clay, blue	2	45
	Sand, fine, gray	24	69
	Clay, blue	16	85
	Gravel	1	86
	Clay, blue	15	101
	Rock	1	102
	Clay, blue	17	119
	Gravel and sand	9	128

134-057-28CCC  
(Log from Robert Recker)

Date drilled: 5/16/74

	Dirt, black	4	4
	Clay, yellow	8	12
	Clay, light-gray	5	17
	Clay, blue	51	68
	Clay, blue; with gravel streaks	5	73
	Clay, blue	9	82
	Gravel, coarse	15	97
	Clay, dark-gray	37	134
	Gravel, coarse	1	135
	Clay, blue; with gravel streaks	9	144
	Gravel, coarse, and sand	10	154

134-057-29DBB  
(Log from Green Circle Supply Co.)

Date drilled: 10/15/76

	Topsoil	1	1
	Sand, medium, brown, oxidized	5	6
	Sand, medium, brown; with 20 percent coarse gravel	4	10
	Sand, brown, and gravel	10	20
	Sand, coarse, and gravel; some oxidation; gray	6	26
	Sand and gravel, medium to coarse, clean; good configuration	11	37
	Sand, fine, gray	5	42
	Sand and gravel, clean; good configuration	15	57
	Sand, medium, gray, clean	5	62
	Gravel, medium; with some fine sand	23	85
	Sand, medium, gray, clean	4	89
	Sand, very fine, silty and clayey, gray	11	100

134-057-29DBC  
(Log from Green Circle Supply Co.)

Date drilled: 10/ /76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand, brown, oxidized-----	11	13
	Gravel, medium, dirty, oxidized-----	7	20
	Gravel, medium, clean-----	2	22
	Till, clay, gravelly-----	18	40

134-057-29DCB1  
(Log from Green Circle Supply Co.)

Date drilled: 10/ /76

	Topsoil-----	1	1
	Clay, silty, brown-----	11	12
	Gravel, medium, oxidized-----	6	18
	Sand, fine, gray-----	3	21
	Gravel, medium, clean-----	4	25
	Clay, gravelly, hard-----	35	60

134-057-29DCB2  
(Log from Green Circle Supply Co.)

Date drilled: 10/ /76

	Topsoil-----	2	2
	Sand, brown, oxidized-----	11	13
	Gravel, brown, dirty, oxidized-----	7	20
	Gravel, medium, clean-----	2	22
	Till, clay, gravelly-----	18	40

134-057-29DCC  
(Log from Green Circle Supply Co.)

Date drilled: 10/ /76

	Topsoil-----	1	1
	Sand-----	4	5
	Clay, brown; with some sand-----	5	10
	Clay, gravelly, hard-----	30	40

134-057-29DCD  
(Log from Robert Recker)

Date drilled: 10/05/72

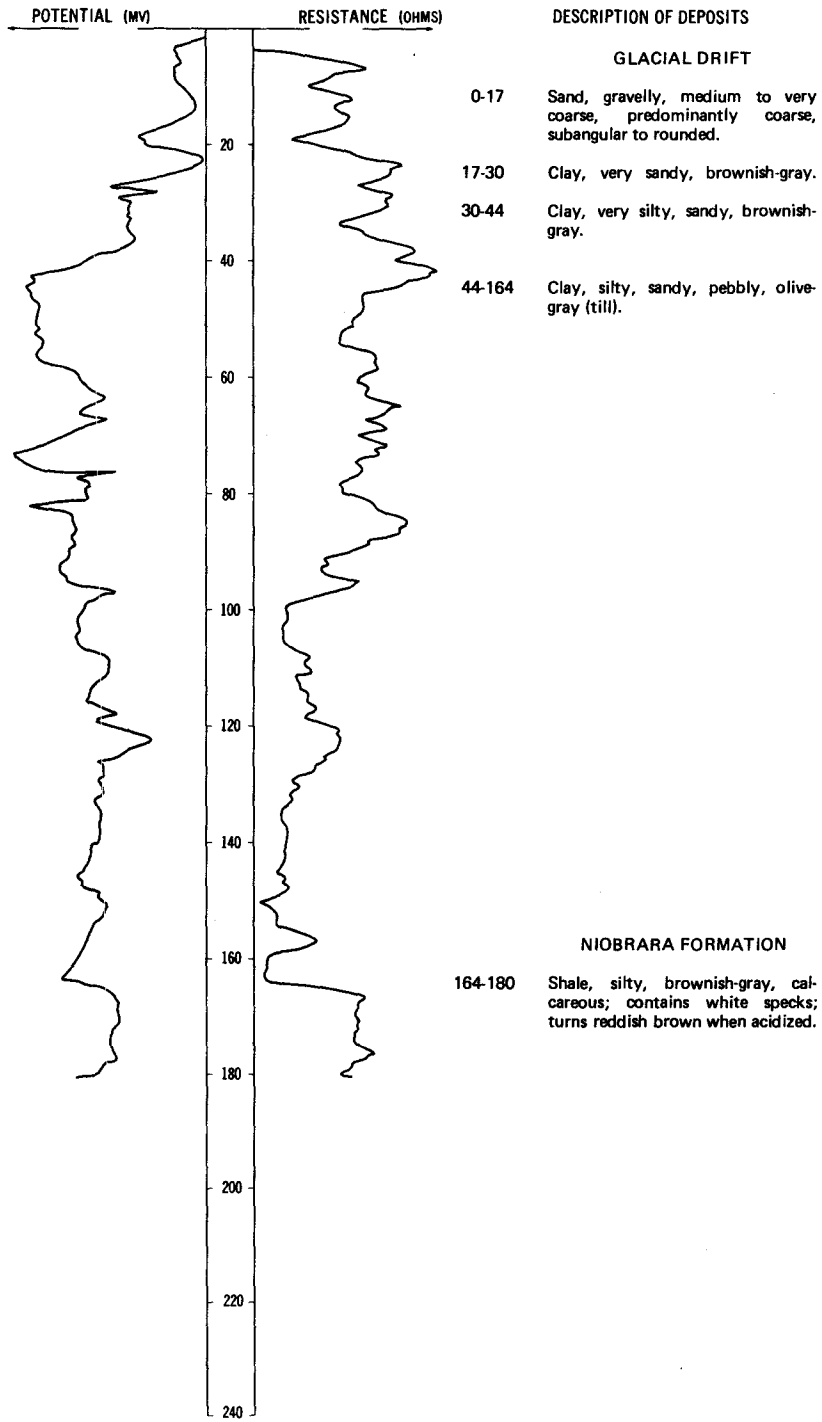
	Dirt, black-----	2	2
	Clay-----	9	11
	Sand, brown-----	12	23
	Clay-----	1	24
	Sand, white-----	3	27

LOCATION: 134-057-30DCC1, 2

DATE DRILLED: 6/29/76

ALTITUDE: 1334  
(FT, NGVD)

DEPTH: 180  
(FT)



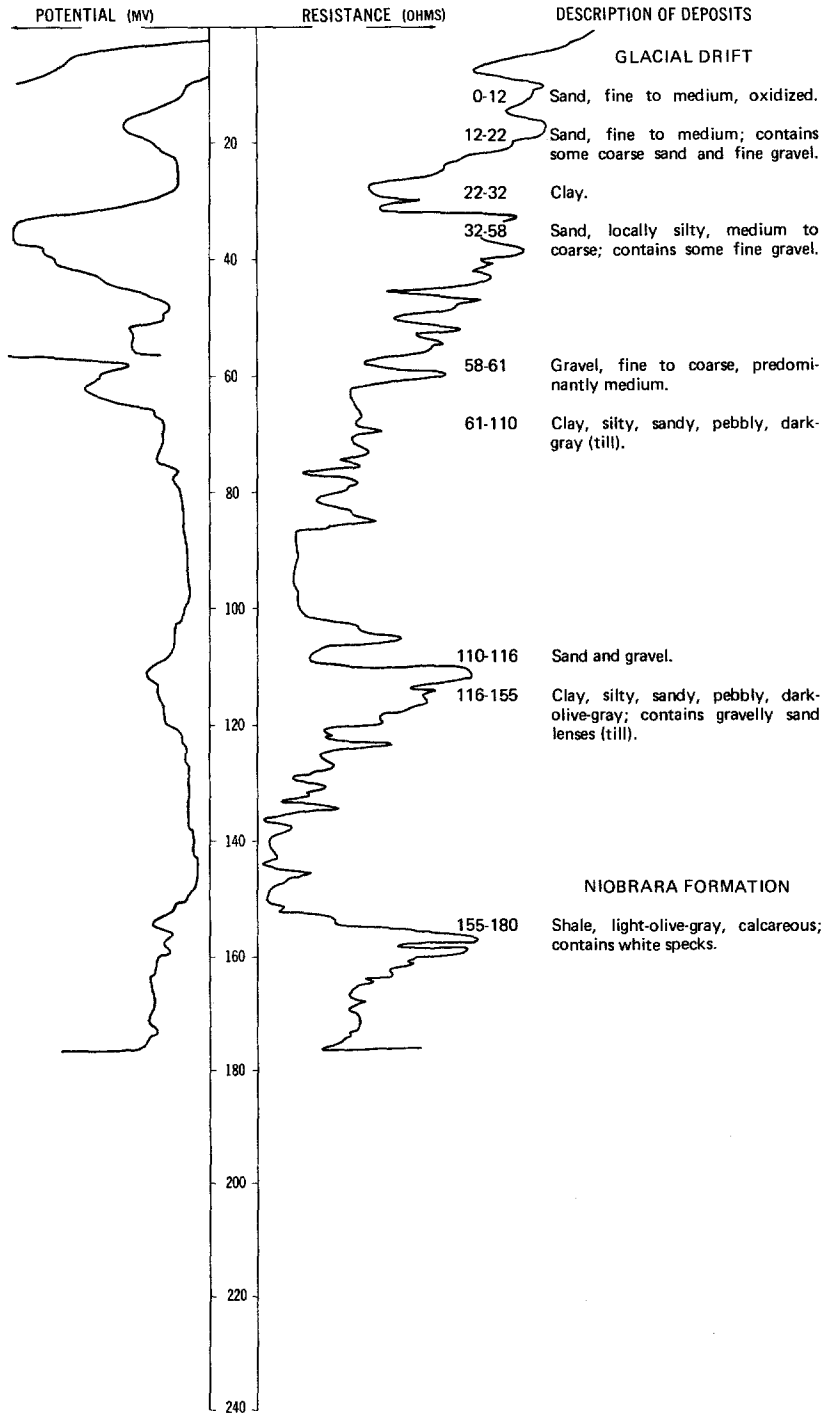


LOCATION: 134-057-31CCC

DATE DRILLED: 11/05/75

ALTITUDE: 1333  
(FT, NGVD)

DEPTH: 180  
(FT)



134-057-32AAB1  
(Log from Robert Recker)

		Date drilled: 10/21/72	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	9	11
	Clay, brown	8	19
	Clay, blue	32	51
	Sand, fine	3	54
	Clay	9	63
	Sand, white	9	72

134-057-32AAB2  
(Log from Kamoni Well Boring)

		Date drilled: 8/28/74	
	Dirt, black	2	2
	Clay, yellow	18	20
	Clay, blue	40	60
	Sand	2	62
	Sand and gravel, yellow	6	68
	Clay, blue, very hard	5	73

134-057-32CAC1  
(Log from Green Circle Supply Co.)

		Date drilled: 9/29/76	
	Topsoil	1	1
	Sand, clayey, tan, hard	5	6
	Sand, medium, brown, oxidized	11	17
	Gravel, coarse; with some sand	2	19
	Sand, coarse, and pea-size gravel	8	27
	Clay, soft, gray, saturated	1	28
	Sand, coarse	2	30
	Clay, soft, gray, saturated	26	56
	Till, sandy, gray, hard	24	80

134-057-32CAC2  
(Log from Green Circle Supply Co.)

		Date drilled: 9/29/76	
	Topsoil	1	1
	Sand, clayey, dry, hard	6	7
	Sand and gravel, dirty, oxidized	12	19
	Gravel; with 50 percent coarse sand and shale particles	13	32
	Clay, soft, gray, saturated	30	62
	Till, hard, gray	18	80

134-057-32CAC3  
(Log from Green Circle Supply Co.)

		Date drilled: 9/29/76	
	Topsoil	1	1
	Sand, clayey, tan	2	3
	Sand, medium, brown	16	19
	Gravel and sand; with 50 percent shale float	3	22
	Sand, fine, gray	5	27
	Clay, soft, gray, saturated	29	56
	Till, hard, gray	4	60

134-057-35BAA1  
(Log from Frederickson's Inc.)

		Date drilled:	4/04/72
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	1	1
	Clay, brown-----	25	26
	Clay, sandy, blue-----	26	52
	Sand-----	18	70
	Clay, sandy-----	2	72

134-057-35BAA2  
(Log from Kamoni Well Boring)

		Date drilled:	6/02/77
	Dirt, black-----	2	2
	Clay, yellow-----	16	18
	Clay, blue-----	47	65
	Sand and gravel-----	5	70
	Clay, blue-----	14	84
	Sand, semifine-----	7	91
	Sand, hard, dry-----	3	94

134-058-01AAC  
(Log from Adair Drilling Co.)

		Date drilled:	10/04/76
	Topsoil-----	1	1
	Clay, yellow-----	15	16
	Sand, fine-----	4	20
	Clay, sandy, yellow-----	10	30
	Sand and gravel, oxidized-----	20	50
	Till, gravelly-----	15	65
	Till, clay, gravelly-----	12	77
	Sand, medium to coarse-----	23	100

134-058-01BBD  
(Log from Green Circle Supply Co.)

		Date drilled:	2/17/75
	Topsoil-----	1	1
	Gravel; to 1/2 inch; brown; oxidized-----	9	10
	Gravel, medium-coarse; with grayish zones of lignite particles-----	26	36
	Sand, fine, gray; occasional stones-----	5	41
	Gravel; irregular to 1/2 inch; black and white color-----	5	46
	Sand, medium, gray; some gravels-----	9	55
	Cobbles and clay-----	1	56

134-058-01BCA  
(Log from Traut Wells, Inc.)

		Date drilled:	6/22/77
	Topsoil-----	2	2
	Sand, coarse, and gravel-----	63	65
	Shale; chips; hard-----	10	75

134-058-01CCC  
NDSWC 9618

Altitude:	1351 feet	Date drilled:	6/30/76
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:	Gravel, sandy, fine to medium, poorly sorted, angular to rounded, unsaturated-----	24	24
	Clay, silty, sandy, pebbly, olive-gray (till)-----	26	50

134-058-01DBD1  
(Log from Adair Drilling Co.)

Date drilled: 9/29/76

Topsoil-----	1	1
Till, sandy-----	10	11
Sand-----	1	12
Clay, yellow-----	3	15
Sand, medium to coarse-----	5	20
Gravel-----	5	25
Sand and gravel-----	3	28
Clay-----	2	30
Gravel and clay-----	10	40
Gravel-----	20	60
Sand and gravel-----	20	80
Shale-----	7	87

134-058-01DBD2  
(Log from Adair Drilling Co.)

Date drilled: 12/ /76

Topsoil-----	1	1
Sand and gravel-----	14	15
Sand and gravel, coarse-----	72	87

134-058-02AAC  
(Log from Traut Wells, Inc.)

Date drilled: 12/28/76

Topsoil-----	2	2
Sand, coarse, and gravel-----	18	20
Sand; 50-60 slot; brown-----	20	40
Sand; 50-60 slot; and clay-----	18	58
Clay, sandy, gray-----	42	100

134-058-02ABB  
(Log from Traut Wells, Inc.)

Date drilled: 8/23/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	5	5
	Sand and gravel, coarse; some clay particles-----	30	35
	Sand, coarse, and gravel-----	10	45
	Clay, gray-----	35	80

134-058-02ACA  
(Log from Traut Wells, Inc.)

Date drilled: 12/28/76

	Sand, fine, brown-----	8	8
	Gravel, coarse; 50 slot-----	42	50
	Clay, sandy-----	50	100

134-058-02ADB  
(Log from Traut Wells, Inc.)

Date drilled: 12/16/76

	Sand, fine, brown, and topsoil-----	5	5
	Sand; 40-50 slot-----	15	20
	Sand, coarse, and gravel-----	15	35
	Sand, coarse, and gravel; some clay-----	5	40
	Sand and gravel-----	22	62
	Clay, gray-----	8	70

134-058-02ADD  
(Log from Traut Wells, Inc.)

Date drilled: 12/ /76

	Topsoil-----	5	5
	Sand, coarse, and gravel; 40 slot-----	12	17
	Clay, white, sand, and gravel-----	3	20
	Gravel, coarse; with some clay-----	17	37
	Clay, gray-----	43	80

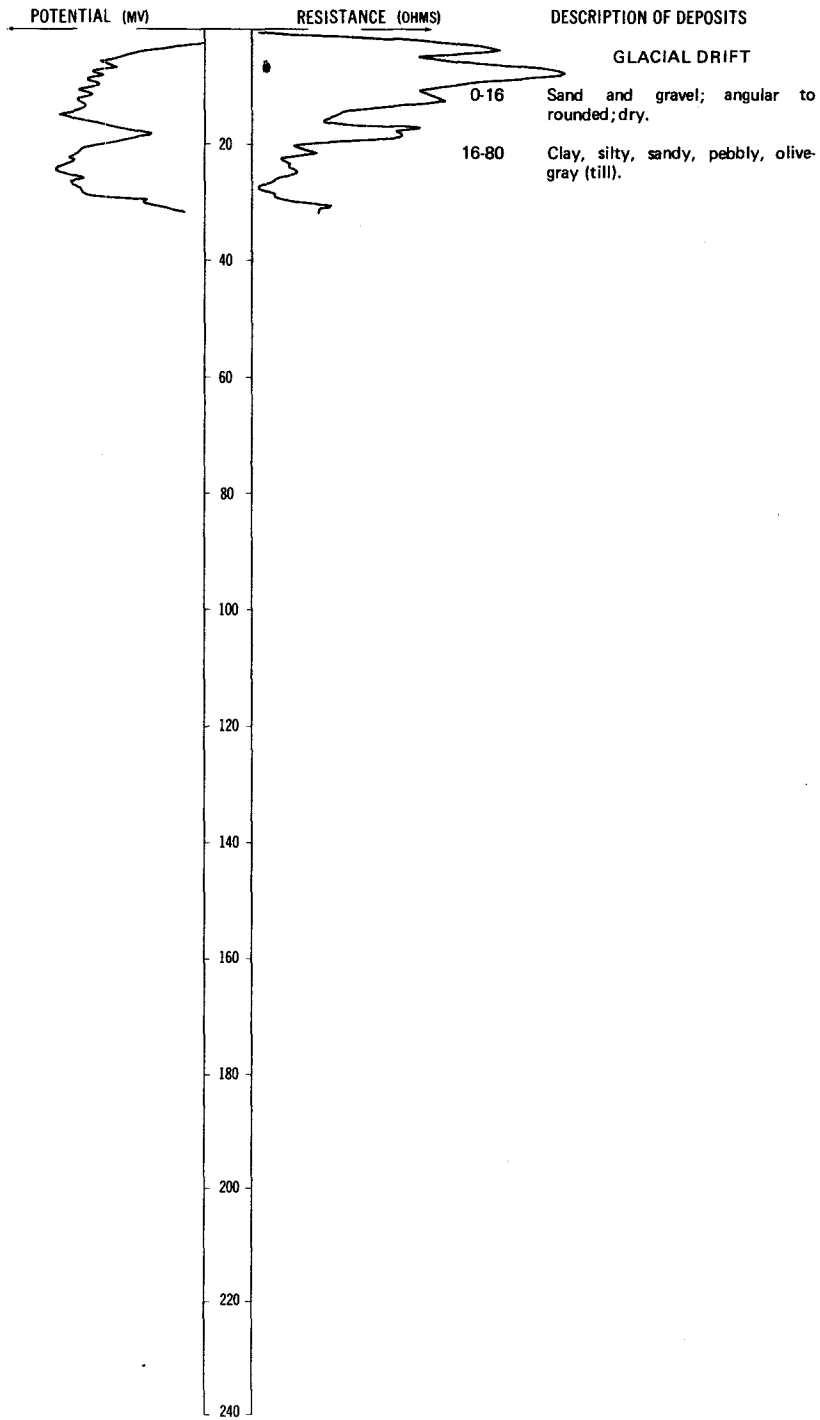
NDSWC 9616

LOCATION: 134-058-11DDD

DATE DRILLED: 6/30/76

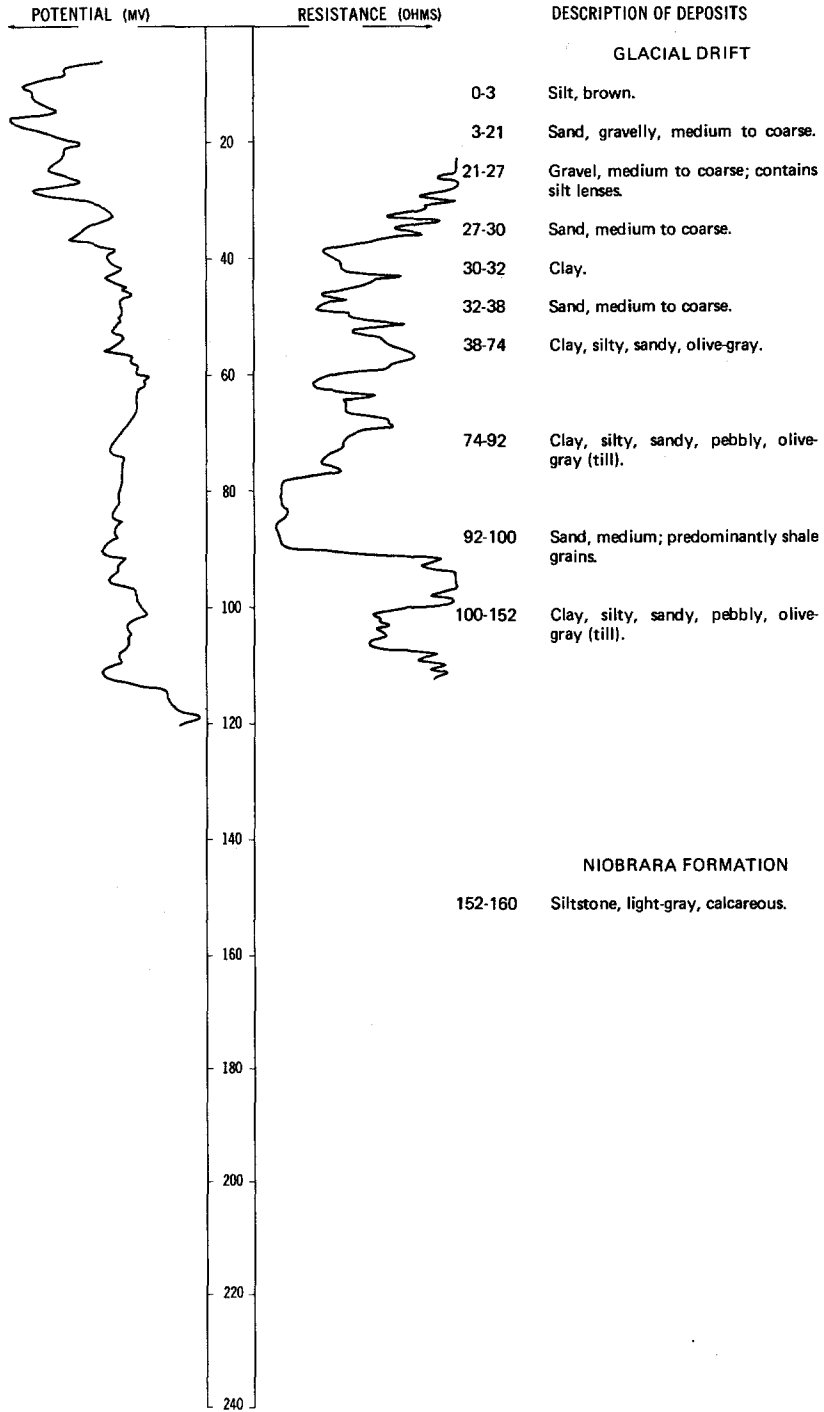
ALTITUDE: 1330  
(FT, NGVD)

DEPTH: 80  
(FT)



LOCATION: 134-058-12AAA  
ALTITUDE: 1349  
(FT, NGVD)

DATE DRILLED: 8/08/77  
DEPTH: 160  
(FT)

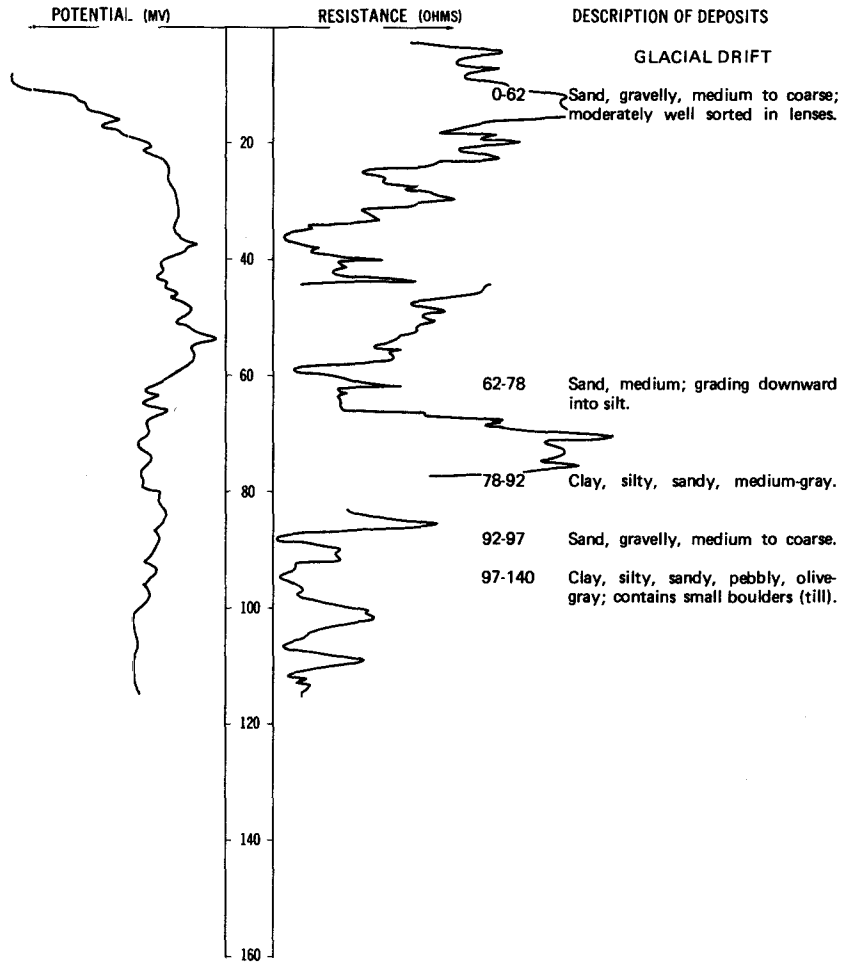


LOCATION: 134-058-13AAB

DATE DRILLED: 8/09/77

ALTITUDE: 1349  
(FT, NGVD)

DEPTH: 140  
(FT)



134-058-13ADD  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude: 1345 feet

Date drilled: 4/04/67

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil	2	2
	Gravel and sand	44	46
	Till, gray	2	48
	Boulders	2	50
	Till, gray	8	58
	Gravel	3	61
	Till, gray	19	80

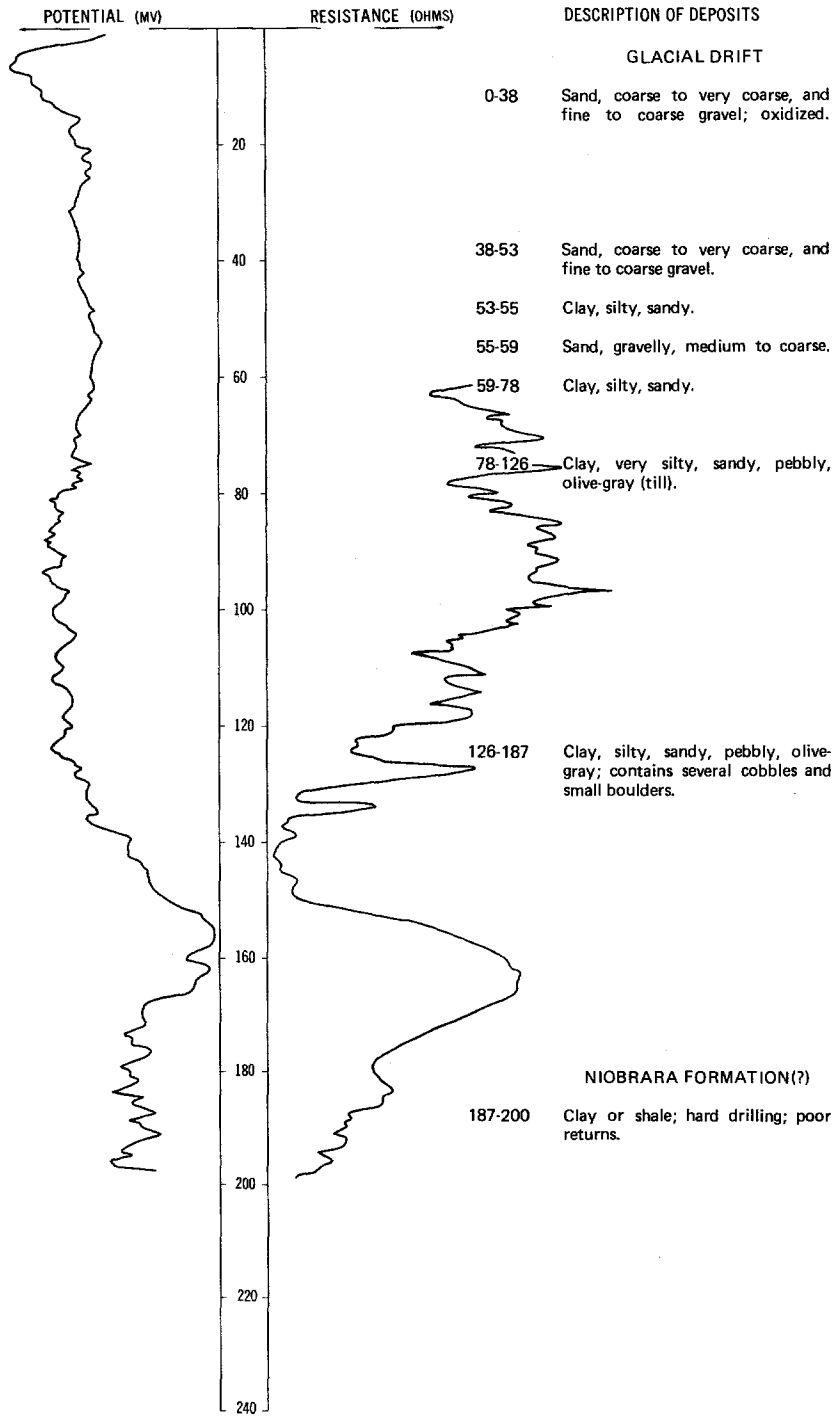


LOCATION: 134-058-13BAA

DATE DRILLED: 8/09/77

ALTITUDE: 1350  
(FT, NGVD)

DEPTH: 200  
(FT)



134-058-13BBB  
NDSWC 9617

Altitude: 1330 feet

Date drilled: 6/30/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Gravel, sandy, fine to coarse, predominantly fine-----	23	23
	Clay, silty, sandy, pebbly, olive-gray (till)-----	17	40

134-058-13BBB  
(Log from Traut, Inc.)

Date drilled: 9/30/74

Sand, brown-----	21	21
Sand, gray-----	14	35
Clay, gray-----	8	43
Sand, gray-----	22	65

134-058-13BDA  
(Log from Traut, Inc.)

Date drilled: 9/30/74

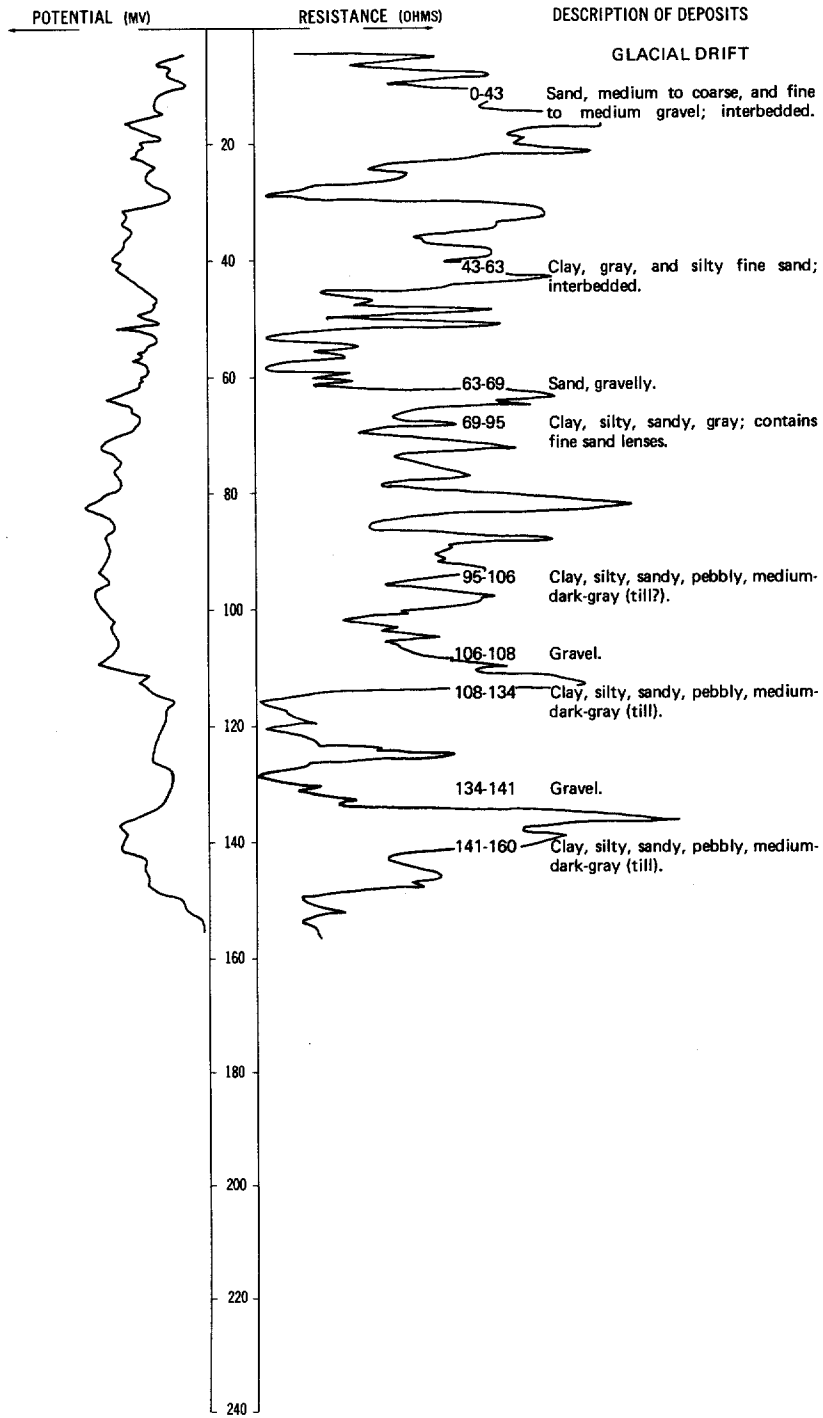
Sand, brown-----	30	30
Clay, gray; with sand-----	11	41
Sand, gray-----	20	61
Clay, gray-----	4	65

LOCATION: 134-058-13CDD

DATE DRILLED: 8/16/77

ALTITUDE: 1345  
(FT, NGVD)

DEPTH: 160  
(FT)

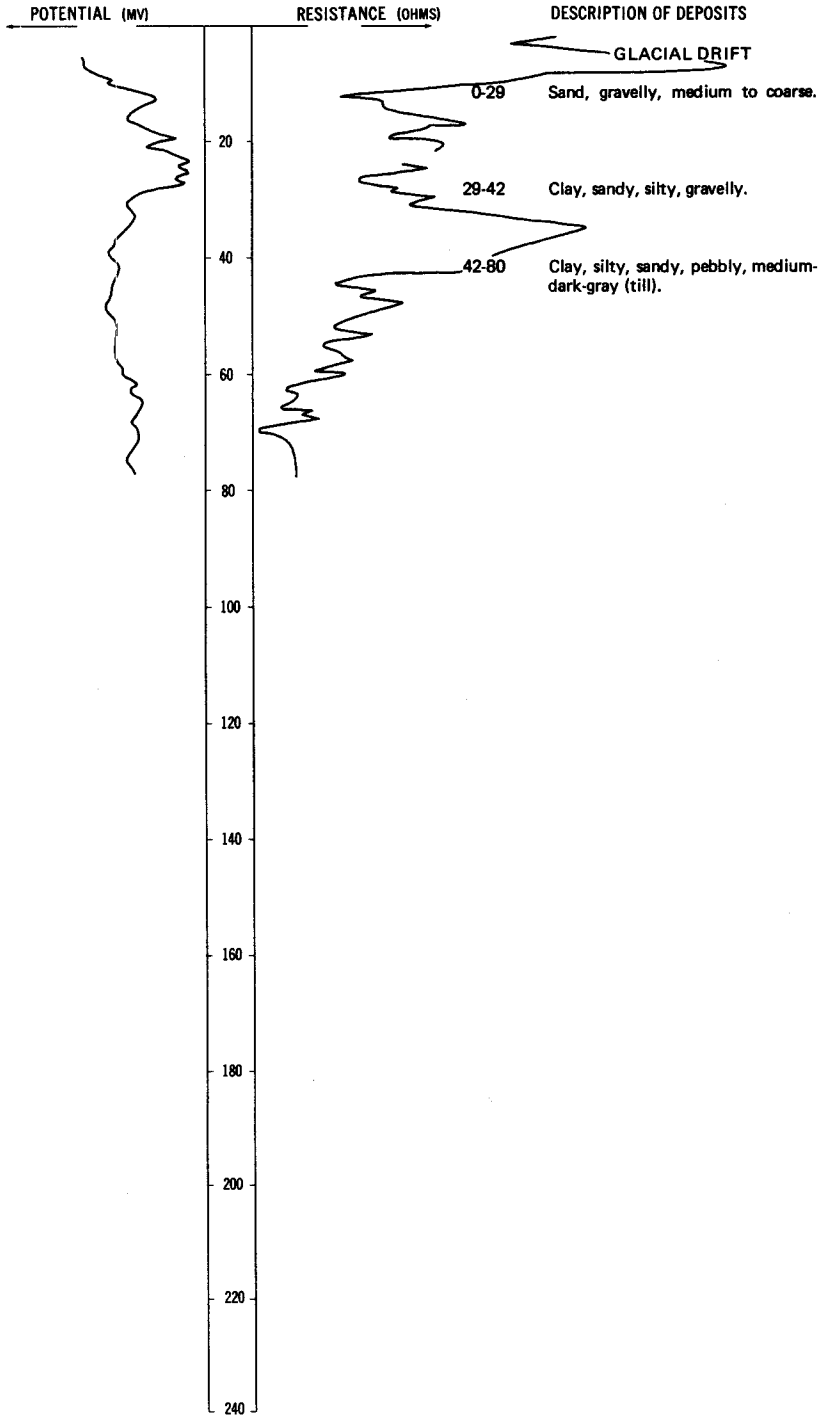


LOCATION: 134-058-14CDD

DATE DRILLED: 8/10/77

ALTITUDE: 1337  
(FT, NGVD)

DEPTH: 80  
(FT)



134-058-15BCB  
(Log from Green Circle Supply Co.)

Date drilled: 12/09/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	0.8	0.8
	Clay, gravelly, yellow-----	17.2	18
	Till, clay, gray; some sand lenses-----	3	21
	Till, clay-----	20	41

134-058-15BCD  
(Log from Green Circle Supply Co.)

Date drilled: 12/09/75

	Topsoil-----	0.8	0.8
	Sand and gravel, oxidized-----	8.2	9
	Till, clay-----	2	11
	Gravel, coarse-----	3	14
	Till, clay, gray-----	7	21

134-058-15BDA  
(Log from Green Circle Supply Co.)

Date drilled: 12/09/75

	Topsoil-----	0.8	0.8
	Clay, silty, yellow-----	5.2	6
	Clay, gravelly, yellow-----	10	16
	Till, clay-----	6	22
	Till, clay, gray-----	25	47
	Sand, fine, gray-----	2	49
	Till, clay, gray-----	39	88
	Gravel, coarse-----	5	93
	Till, clay, gray-----	8	101

134-058-16DDD  
(Log from Kamoni Well Boring)

Date drilled: 8/26/74

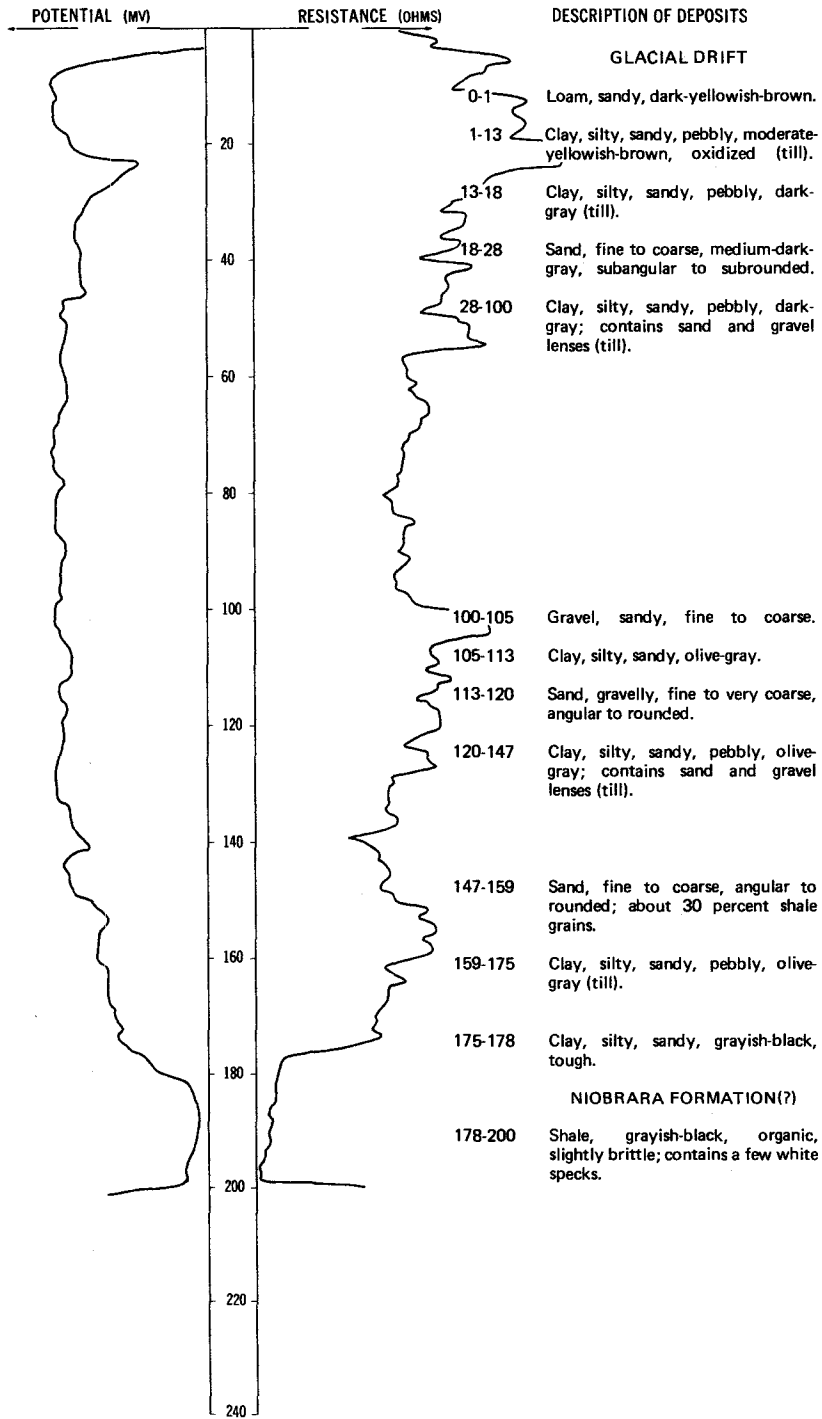
	Dirt, black-----	2	2
	Clay, yellow-----	17	19
	Clay, blue-----	4	23
	Sand, semifine-----	5	28
	Clay, blue-----	8	36

LOCATION: 134-058-21CCC

DATE DRILLED: 11/20/74

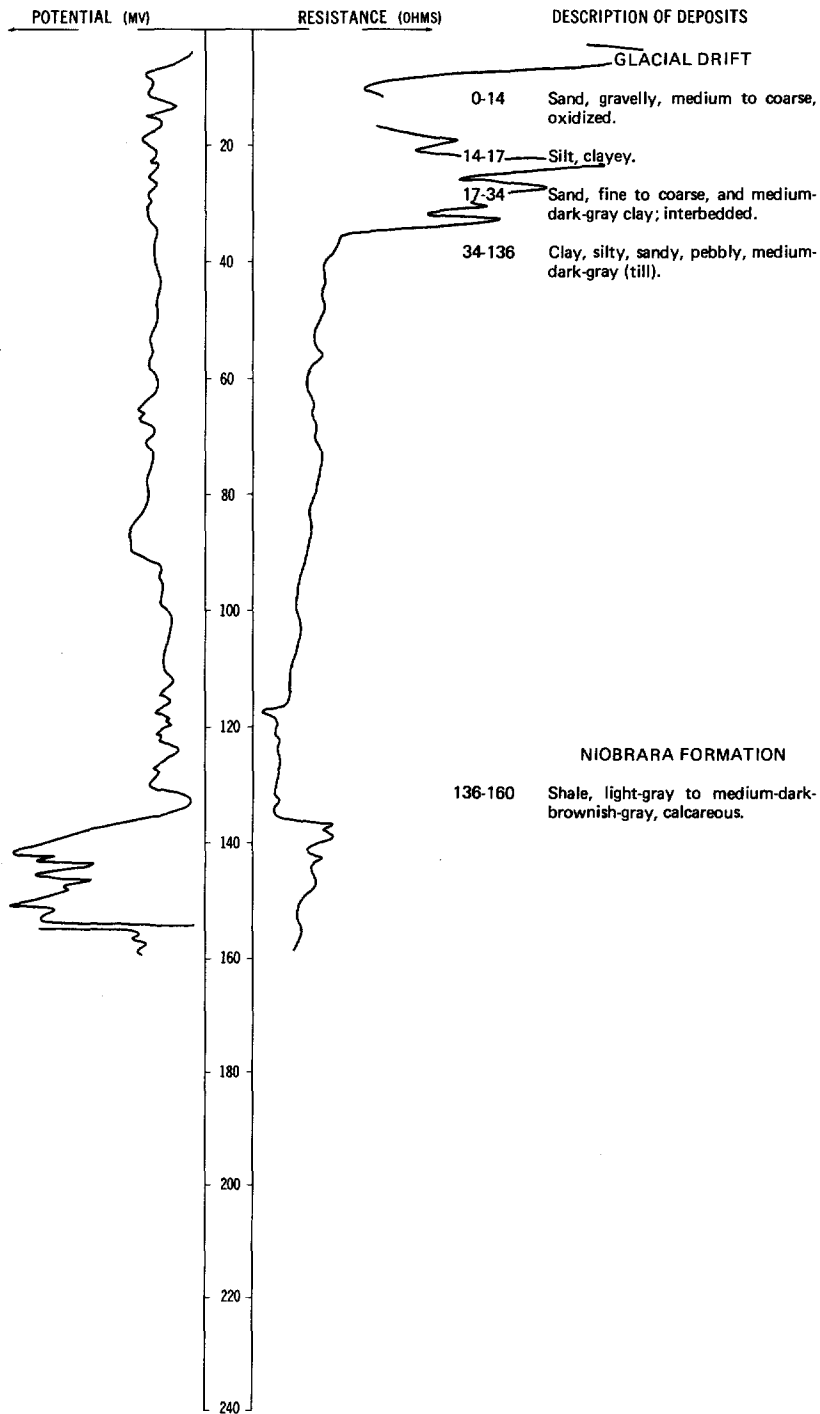
ALTITUDE: 1373  
(FT, NGVD)

DEPTH: 200  
(FT)



LOCATION: 134-058-22AAA  
ALTITUDE: 1328  
(FT. NGVD)

DATE DRILLED: 8/10/77  
DEPTH: 160  
(FT)

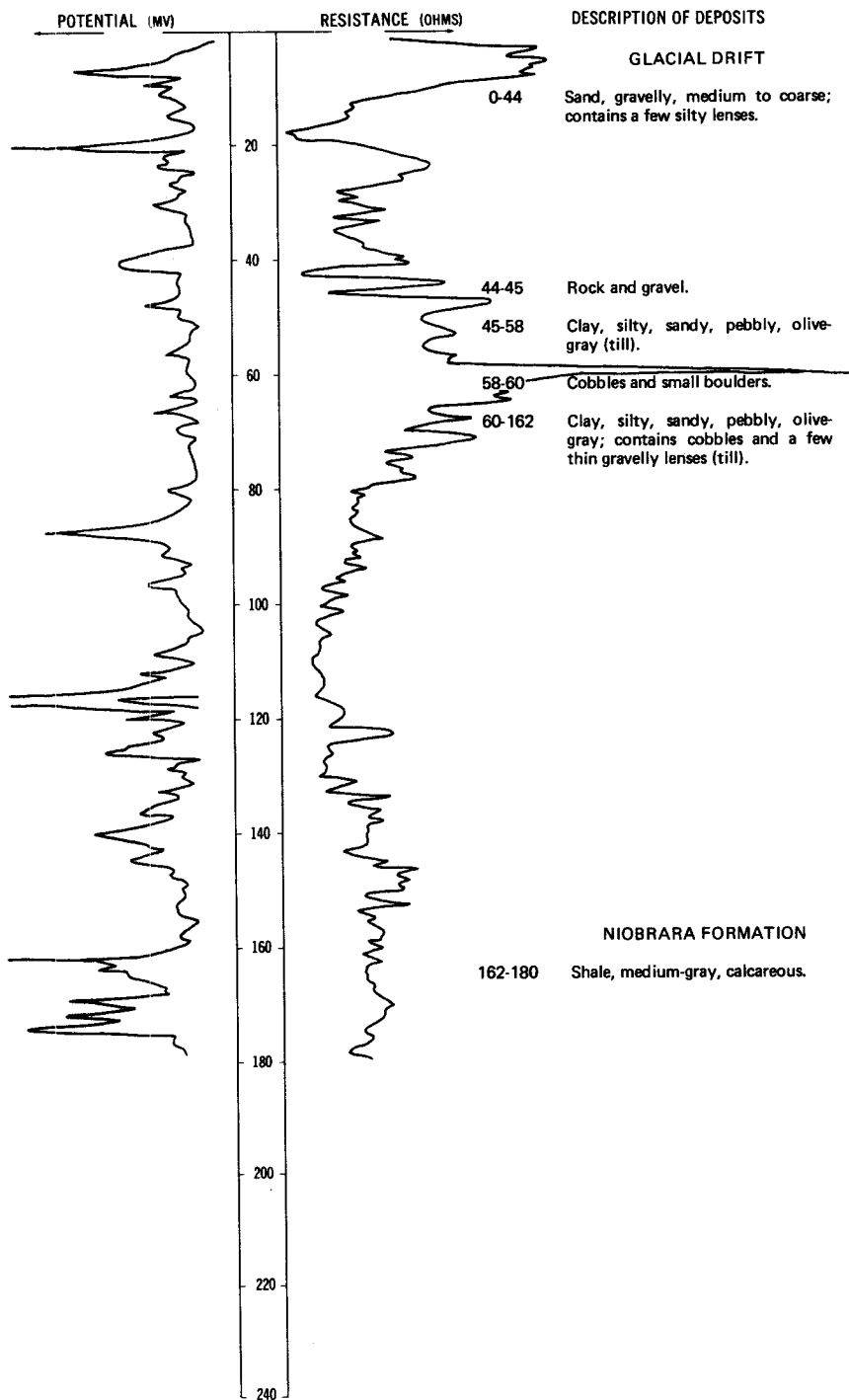


LOCATION: 134-058-23AAA1, 2

DATE DRILLED: 8/10/77

ALTITUDE: 1332  
(FT, NGVD)

DEPTH: 180  
(FT)





134-058-24ADB  
(Log from Mann Drilling Co.)

Date drilled: 4/20/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand	29	29
	Sand and gravel	34	63
	Shale and gravel, dirty	37	100

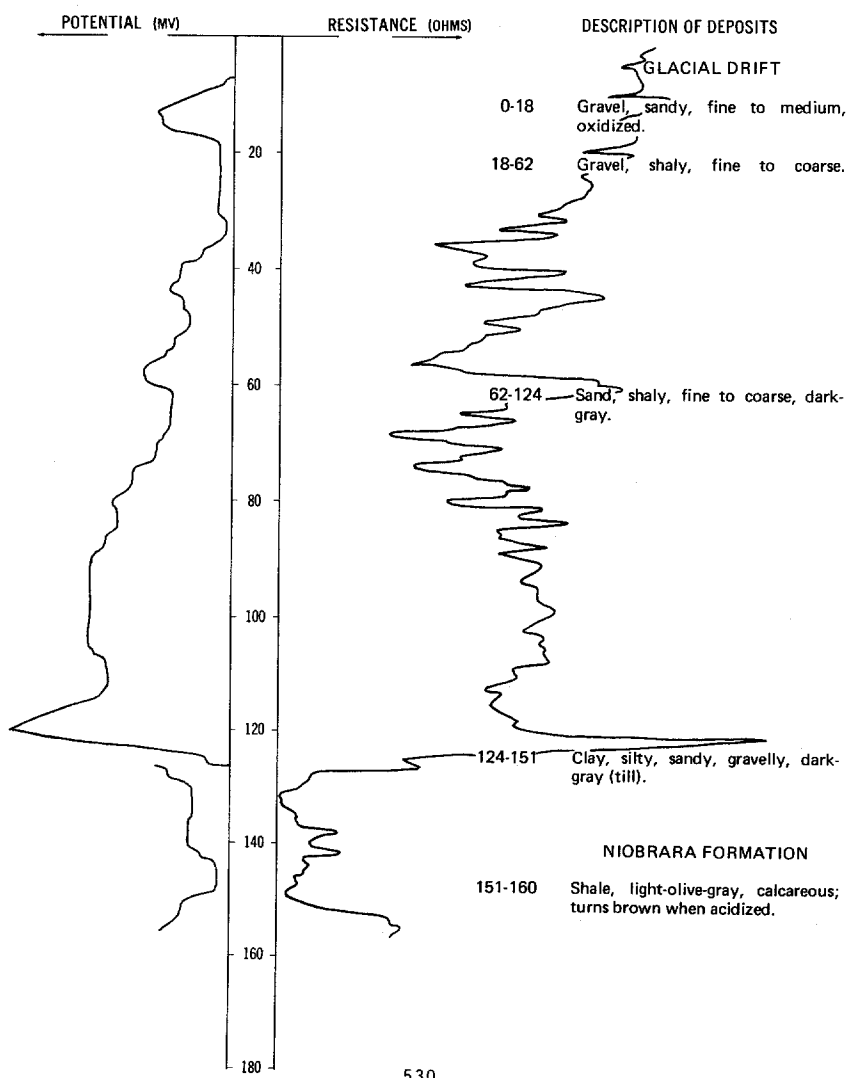
NDSWC 4892

LOCATION: 134-058-24BBA

DATE DRILLED: 11/05/75

ALTITUDE: 1347  
(FT, NGVD)

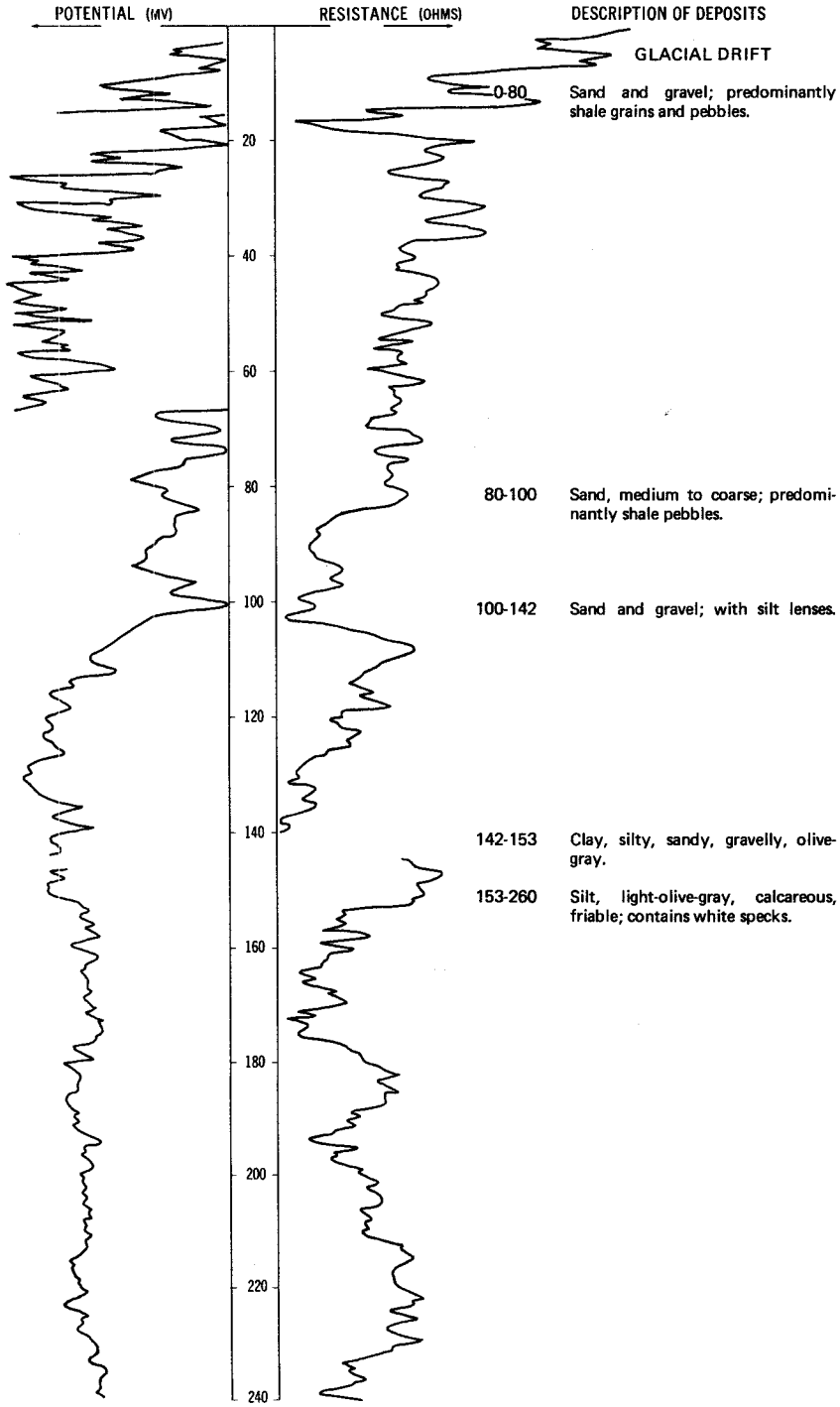
DEPTH: 160  
(FT)



NDSWC

LOCATION: 134-058-24CDC1, 2  
ALTITUDE: 1344  
(FT, NGVD)

DATE DRILLED: 3/02/68  
DEPTH: 300  
(FT)



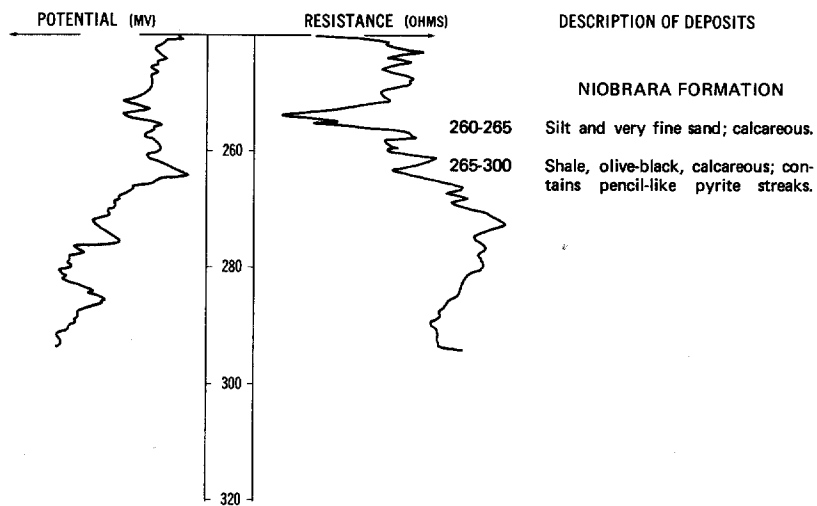
NDSWC, Continued

LOCATION: 134-058-24CDC1, 2

DATE DRILLED: 3/02/68

ALTITUDE: 1344  
(FT, NGVD)

DEPTH: 300  
(FT)



134-058-24DAC  
(Log from Traut, Inc.)

Date drilled: 10/04/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, brown-----	18	18
	Sand, gray-----	18	36
	Clay, gray-----	24	60

134-058-24DBB1  
(Log from Green Circle Supply Co.)

Date drilled: 1/20/76

	Topsoil-----	1	1
	Sand, medium to coarse, brown, and coarse gravel-----	23	24
	Gravel, pea-size, white and black, clean-----	11	35
	Gravel, pea-size, white and black, clean; with some fine sand-----	16	51
	Sand, medium to coarse, black and white-----	6	57

134-058-24DCA  
(Log from Traut, Inc.)

Date drilled: 10/04/74

	Sand, brown-----	22	22
	Gravel, coarse, gray-----	13	35
	Sand, gray, dirty-----	5	40
	Sand, gray-----	16	56

134-058-24DCC  
(Log from Green Circle Supply Co.)

Date drilled: 1/15/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Sand and gravel, brown, oxidized, dirty; with occasional silty yellow clay lenses; some fragmented shale-----	36	37
	Gravel, coarse; 60 percent shale; limestone-----	14	51
	Gravel; with clay chunks; some silty sand-----	5	56
	Clay, gray-----	4	60

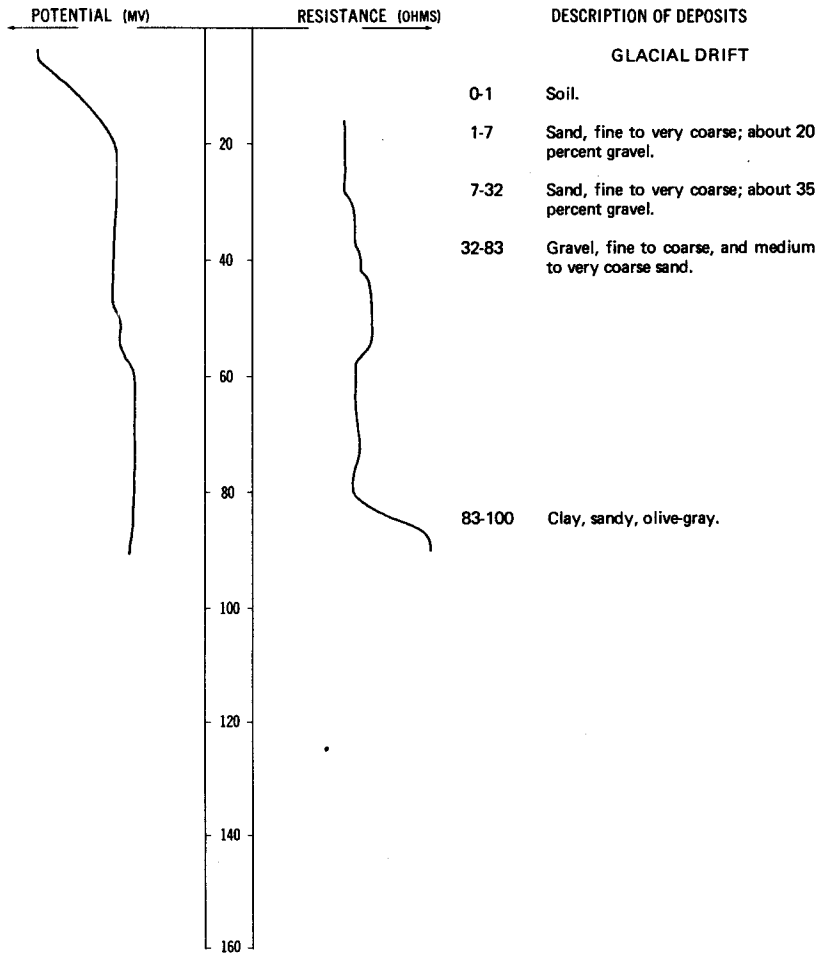
NDSWC 9840

LOCATION: 134-058-25CDD1

DATE DRILLED: 11/30/76

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 100  
(FT)

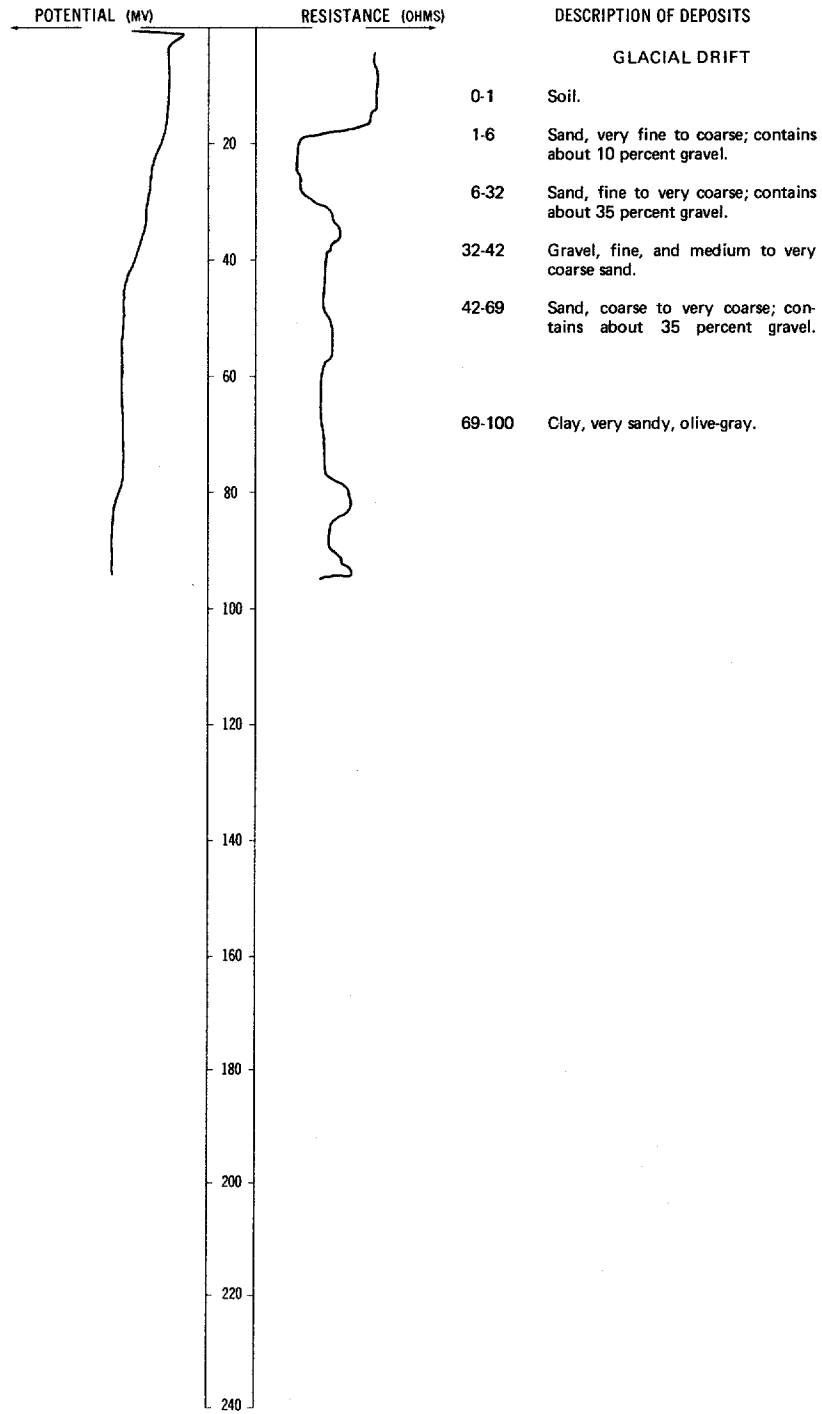


LOCATION: 134-058-25CDD2

DATE DRILLED: 12/01/76

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 100  
(FT)

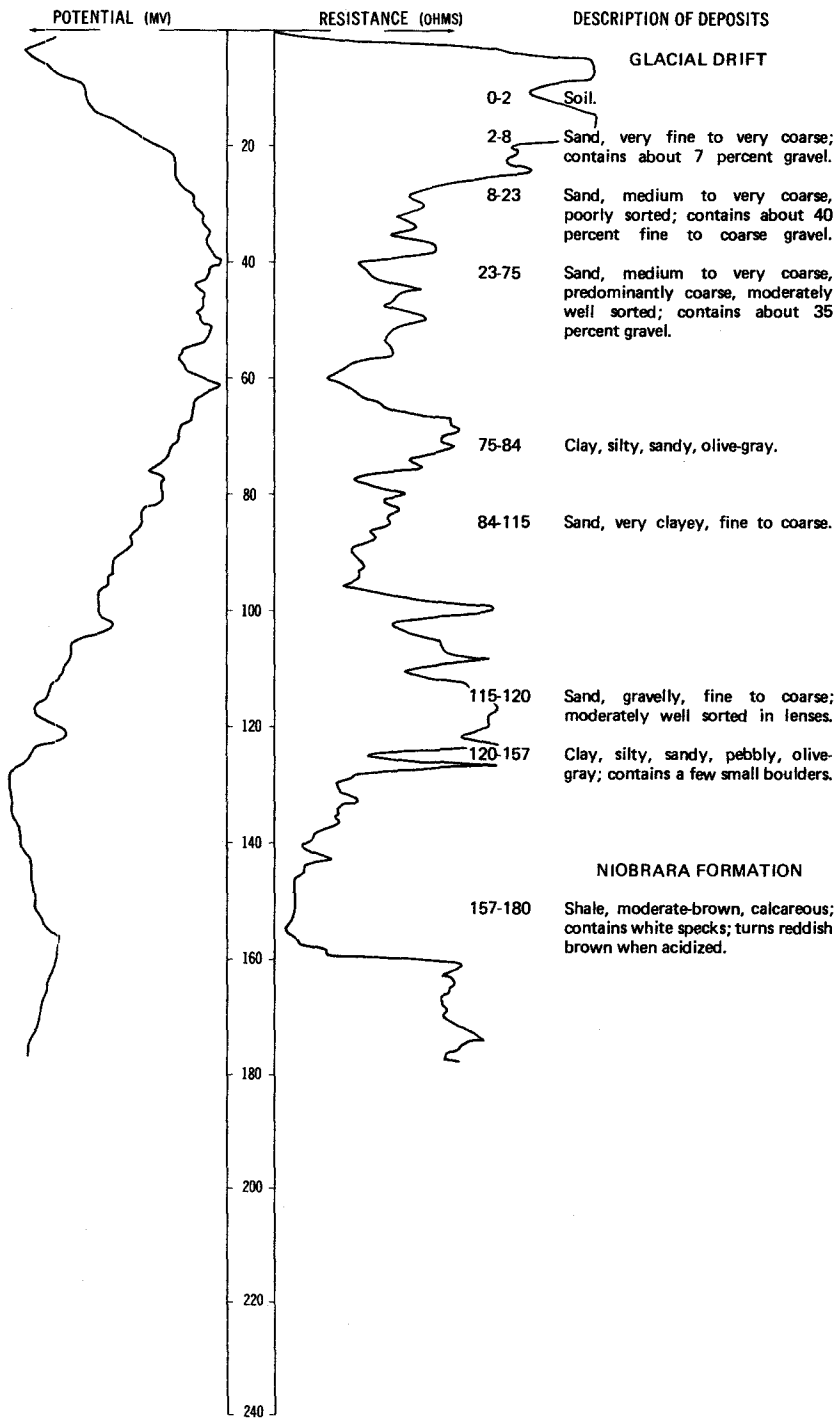


LOCATION: 134-058-25DCC1

DATE DRILLED: 11/17/76

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 180  
(FT)

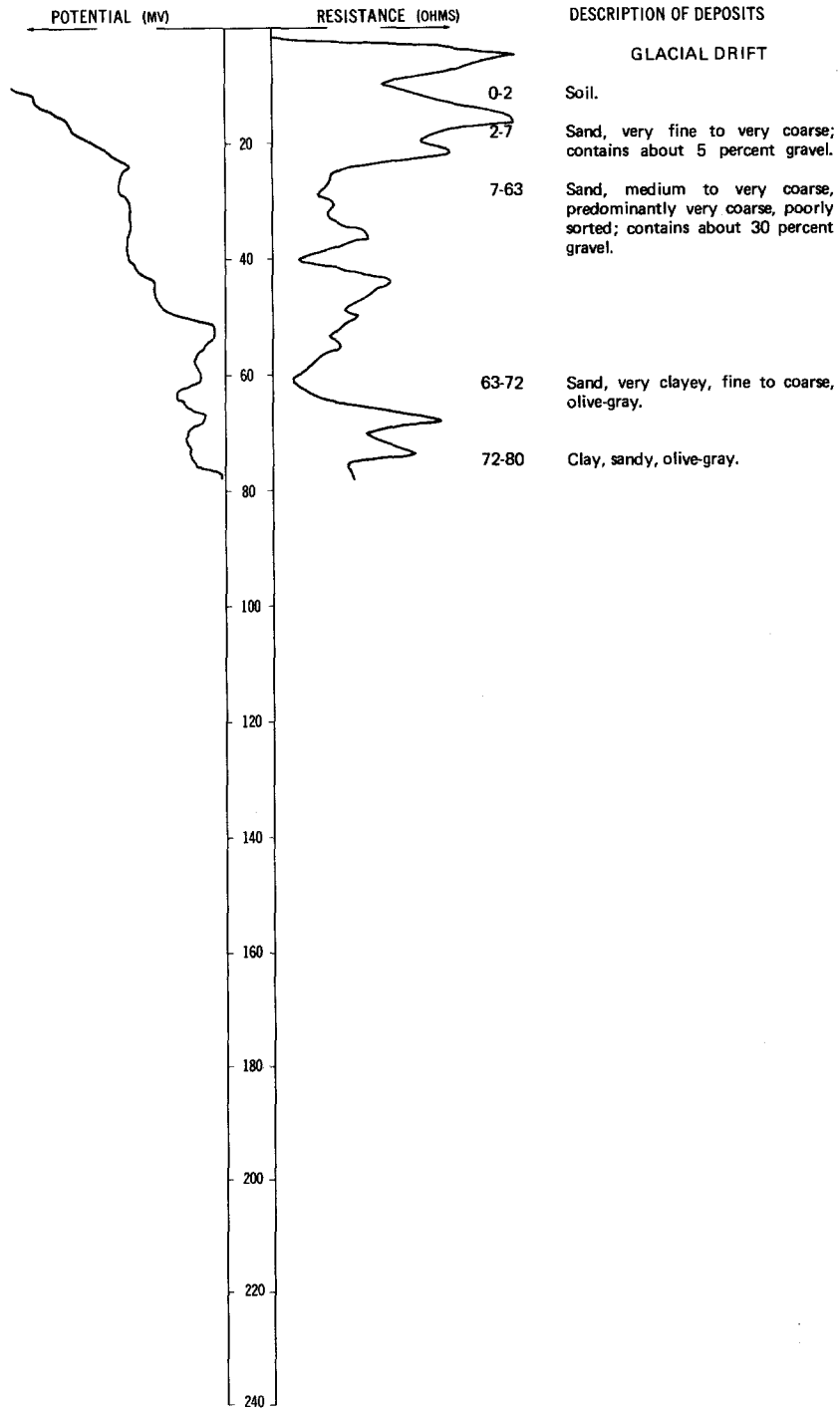


LOCATION: 134-058-25DCC2

DATE DRILLED: 11/18/76

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 80  
(FT)



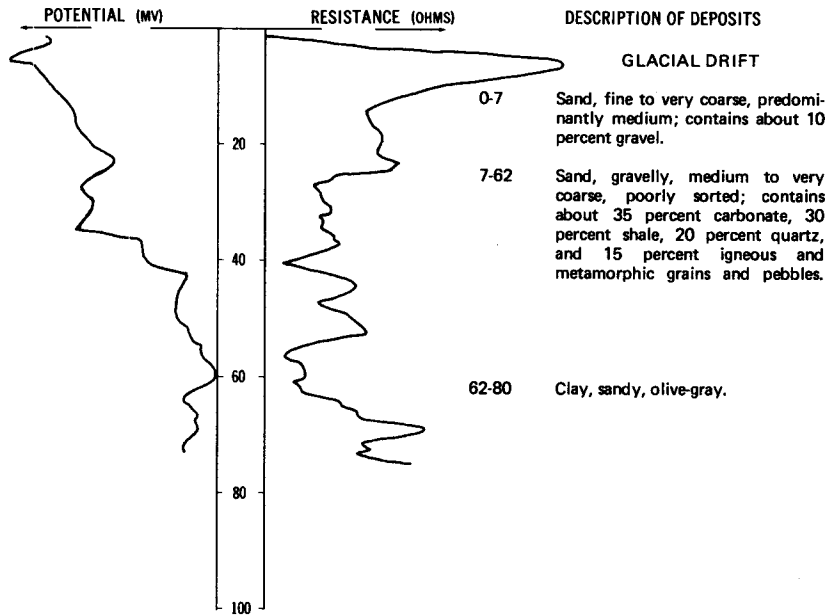
NDSWC 9838

LOCATION: 134-058-25DCC3

DATE DRILLED: 11/22/76

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 80  
(FT)



134-058-25DCC4  
NDSWC 9838A

Altitude: 1340 feet

Date drilled: 11/23/76

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET)      DEPTH (FEET)

Glacial drift:

Sand, fine to very coarse, predominantly medium; contains about 10 percent gravel	7	7
Sand, medium to very coarse, predominantly very coarse; contains about 40 percent gravel	33	40

134-058-25DCC5  
NDSWC 9839

Altitude: 1340 feet

Date drilled: 11/23/76

Glacial drift:

Clay, sandy, black	1	1
Sand, very fine to very coarse, predominantly medium; contains about 10 percent gravel	6	7
Sand, fine to very coarse, predominantly very coarse; contains about 35 percent gravel	20	27
Clay, silty, sandy, olive-gray	14	41
Boulder, granitic	3	44

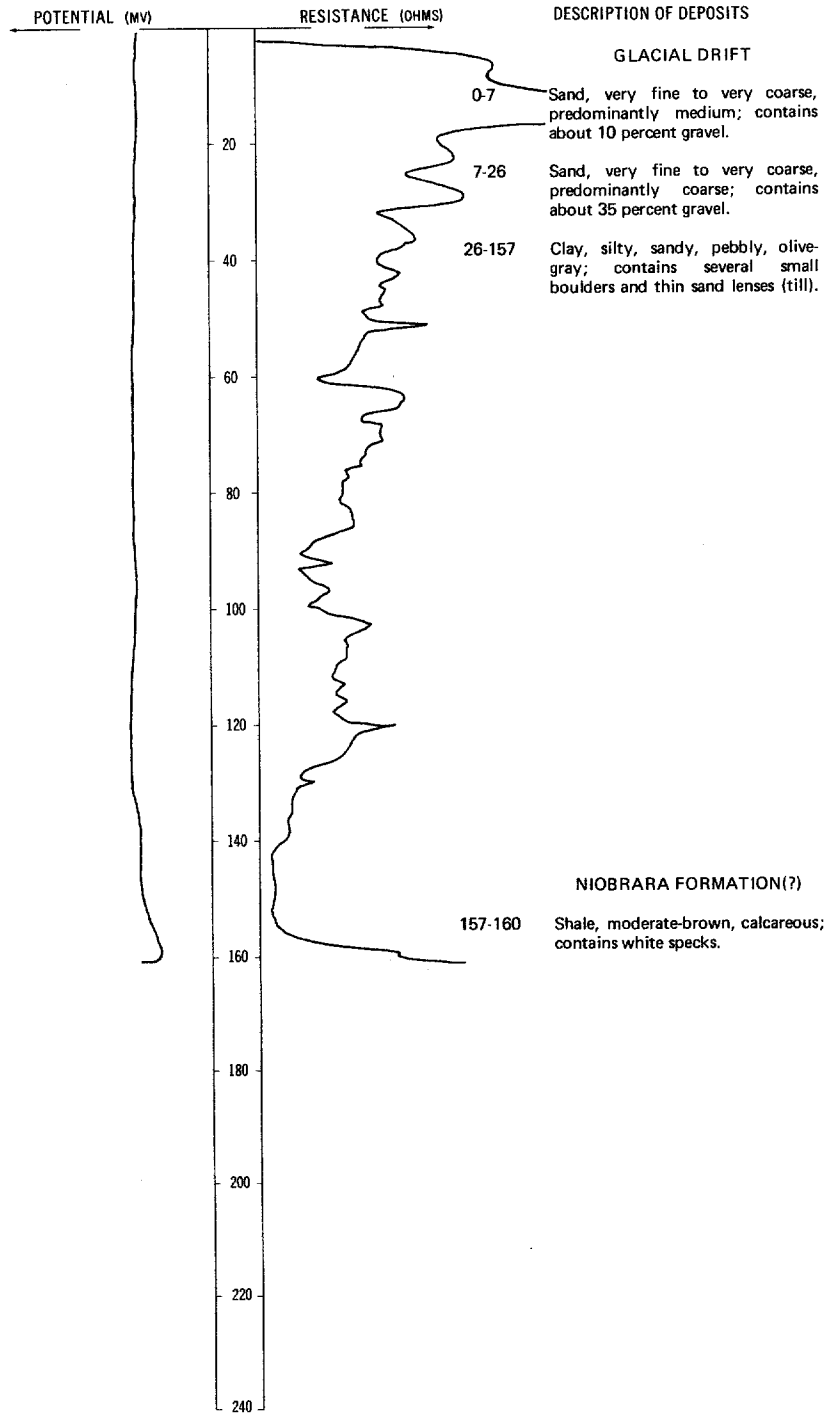


LOCATION: 134-058-25DCC6

DATE DRILLED: 11/23/76

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 160  
(FT)



134-058-25DCC7  
NDSWC 9842

Altitude:	1340 feet	Date drilled:	12/14/76
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Sand, very fine to very coarse, predominantly coarse; contains about 15 percent gravel-----	8	8
	Sand, fine to very coarse, predominantly very coarse; contains 35 to 40 percent gravel-----	24	32
	Gravel, fine to coarse, predominantly fine; contains about 40 percent medium to very coarse sand-----	31	63
	Clay, sandy, olive-gray-----	1	64
	Sand, gravelly, medium to very coarse-----	12	76
	Clay, sandy, olive-gray-----	8	84
	Sand, very clayey, fine to very coarse-----	16	100

134-058-25DCC8  
NDSWC 9842A

Altitude:	1340 feet	Date drilled:	12/14/76
Glacial drift:			
	Sand, very fine to very coarse, predominantly medium; contains about 15 percent gravel-----	6	6
	Sand, very fine to very coarse, predominantly very coarse; contains 35 to 40 percent gravel-----	26	32
	Gravel, fine to coarse; contains about 40 percent medium to very coarse sand-----	8	40

134-058-25DCC9  
(Log from Empire Irrigation & Drilling Co., Inc.)

Altitude:	1340 feet	Date drilled:	6/01/74
	Topsail-----	2	2
	Silt and clay-----	8	10
	Gravel-----	65	75

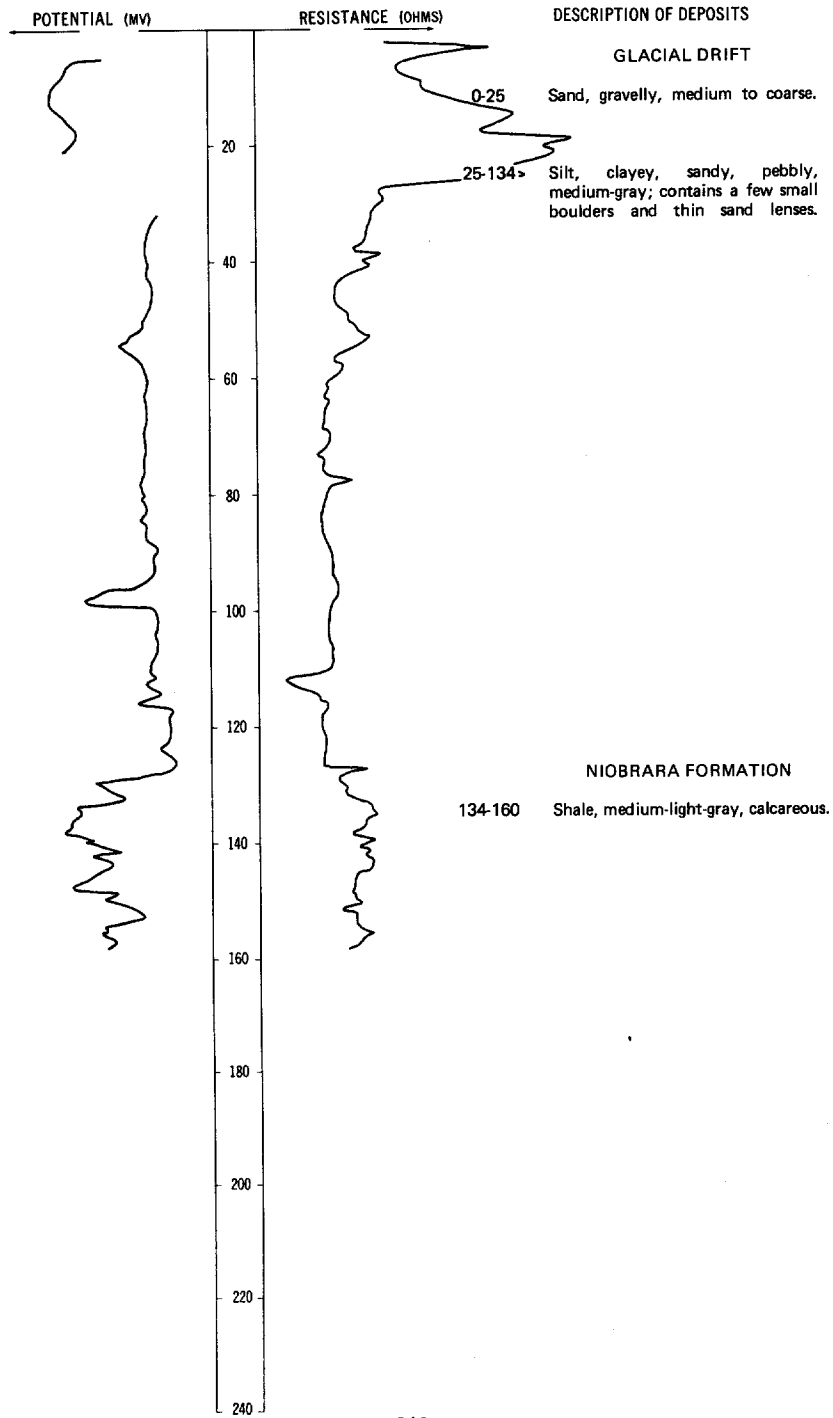
NDSWC 9917

LOCATION: 134-058-26BAB

DATE DRILLED: 8/11/77

ALTITUDE: 1324  
(FT. NGVD)

DEPTH: 160  
(FT)

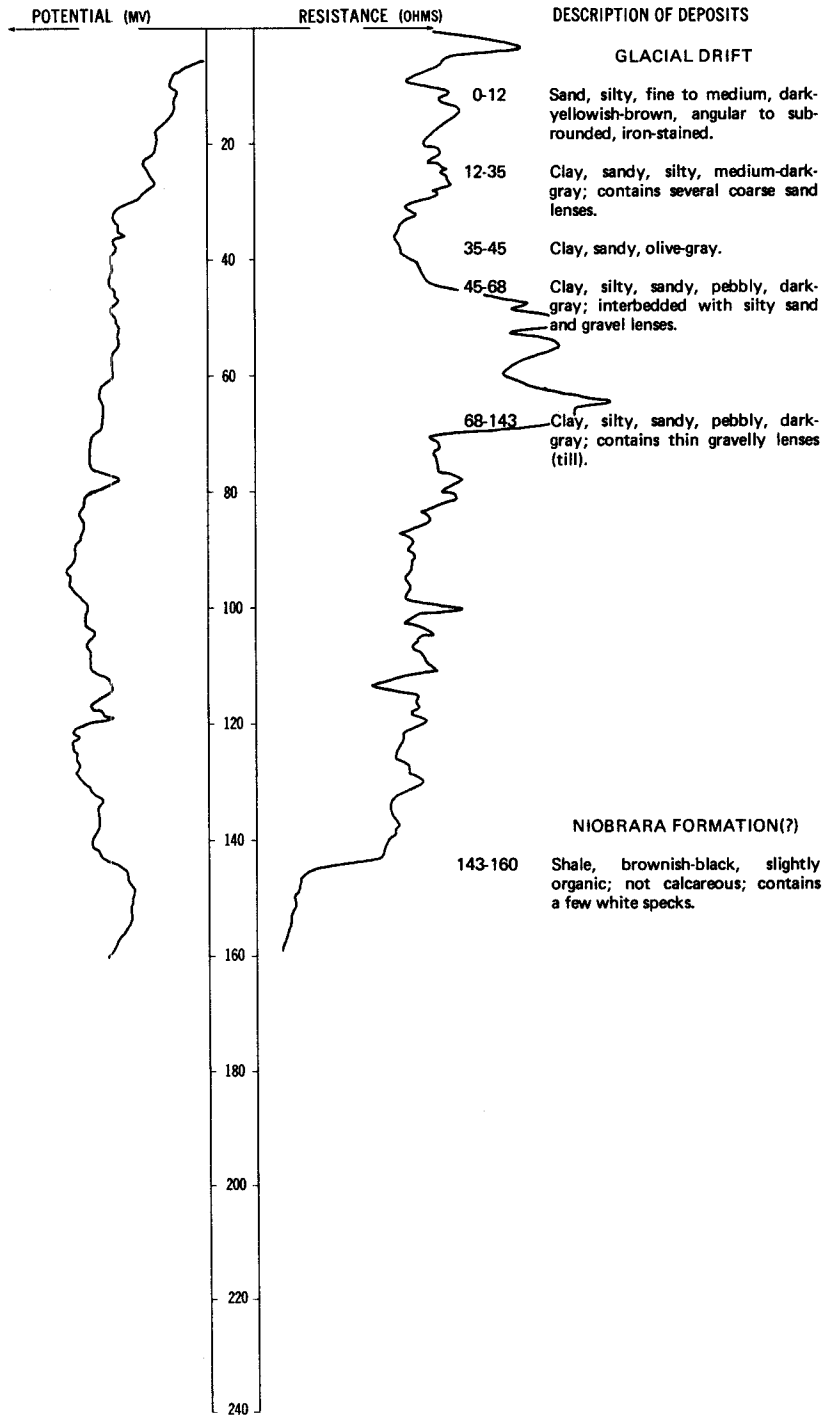


LOCATION: 134-058-27BBA

DATE DRILLED: 11/20/74

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 160  
(FT)



134-058-33BBA  
(Log from Independent Drilling Co.)

GEOLOGIC SOURCE MATERIAL		THICKNESS (FEET)	DEPTH (FEET)
Pierre Shale (top):			123
Greenhorn Formation (top):			632
Dakota Sandstone (top):			980
Lakota Formation (top):		22	1,340 1,362

134-058-36AAB  
(Log from Empire Irrigation & Drilling Co., Inc.)

		THICKNESS (FEET)	DEPTH (FEET)
Topsoil-----		2	2
Sand and gravel-----		22	24
Till, gray-----		56	80

134-058-36ABB  
(Log from Empire Irrigation & Drilling Co., Inc.)

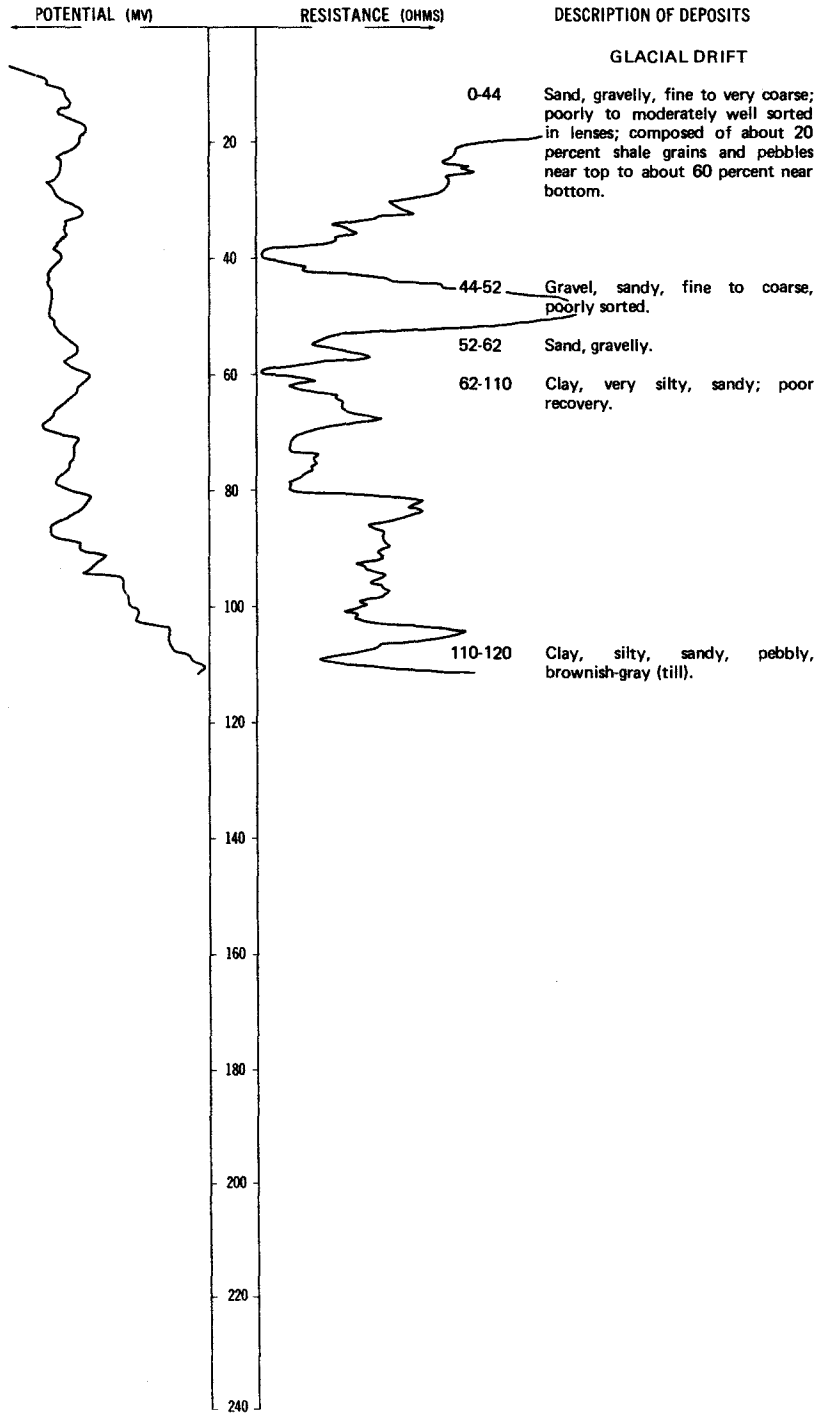
		THICKNESS (FEET)	DEPTH (FEET)
Topsoil-----		2	2
Sand and gravel-----		53	55
Till, gray-----		3	58
Sand and shale pebbles-----		22	80
Till, sandy, gray-----		20	100

LOCATION: 134-058-36CCC

DATE DRILLED: 6/28/76

ALTITUDE: 1339  
(FT, NGVD)

DEPTH: 120  
(FT)

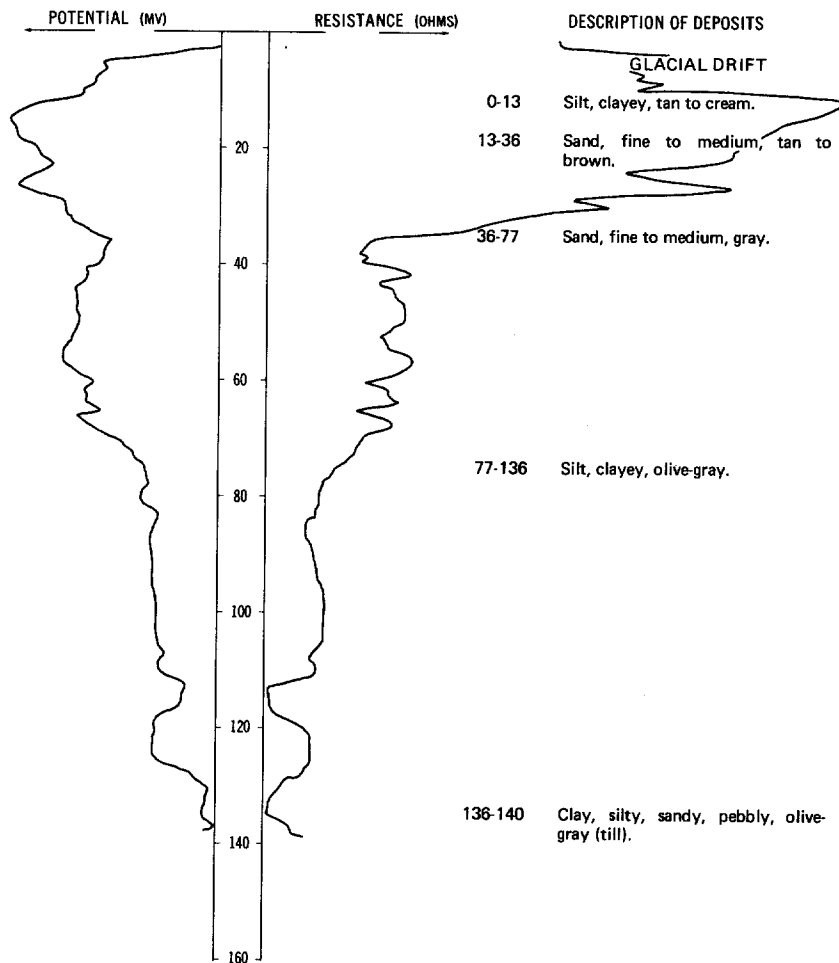


LOCATION: 135-053-03CBC

DATE DRILLED: 9/01/72

ALTITUDE: 1062  
(FT, NGVD)

DEPTH: 140  
(FT)



135-053-09CBA1  
(Log from Wieber Well Drilling)

Date drilled: 7/08/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, yellow-----	4	5
	Clay, blue, and silty soil-----	15	20
	Sand, medium-coarse, very good-----	8	28

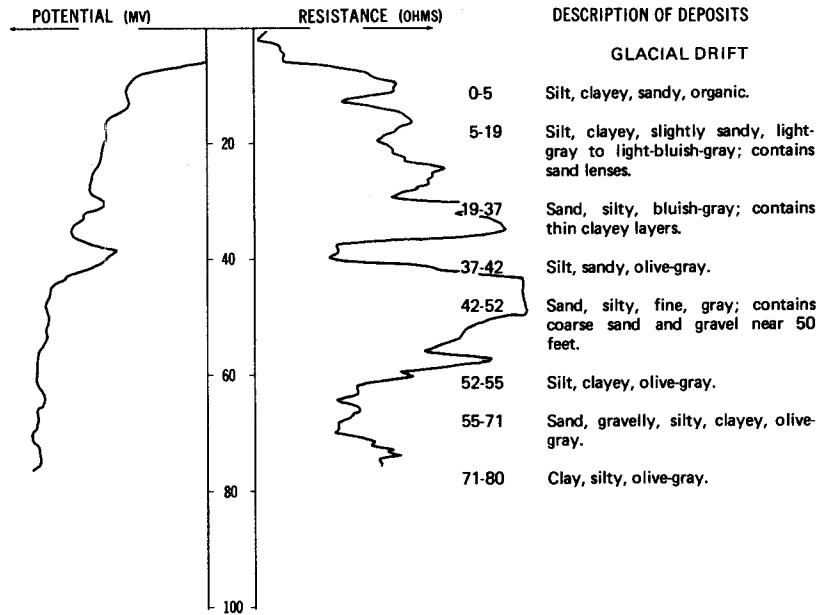
NDSWC 8470

LOCATION: 135-053-10BBC

DATE DRILLED: 9/01/72

ALTITUDE: 997  
(FT, NGVD)

DEPTH: 80  
(FT)



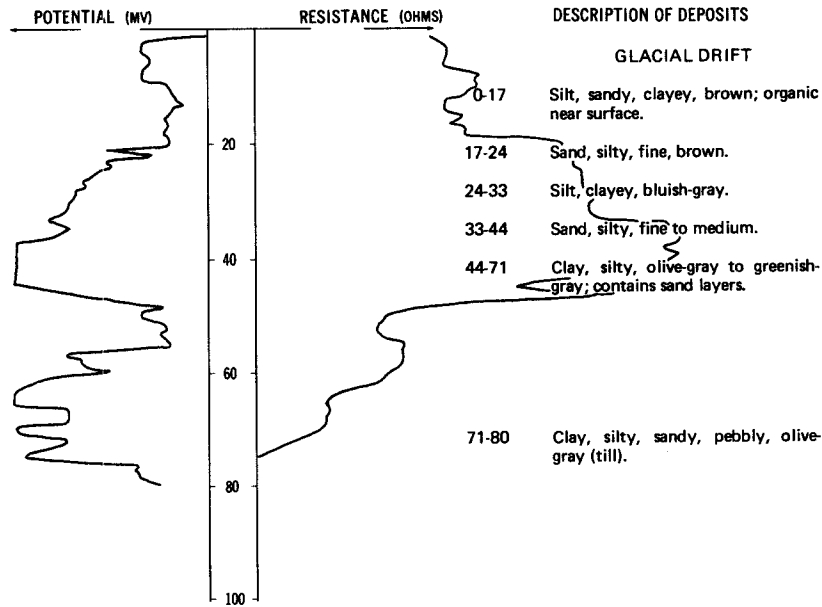
NDSWC 8471

LOCATION: 135-053-10CCC

DATE DRILLED: 9/01/72

ALTITUDE: 995  
(FT, NGVD)

DEPTH: 80  
(FT)



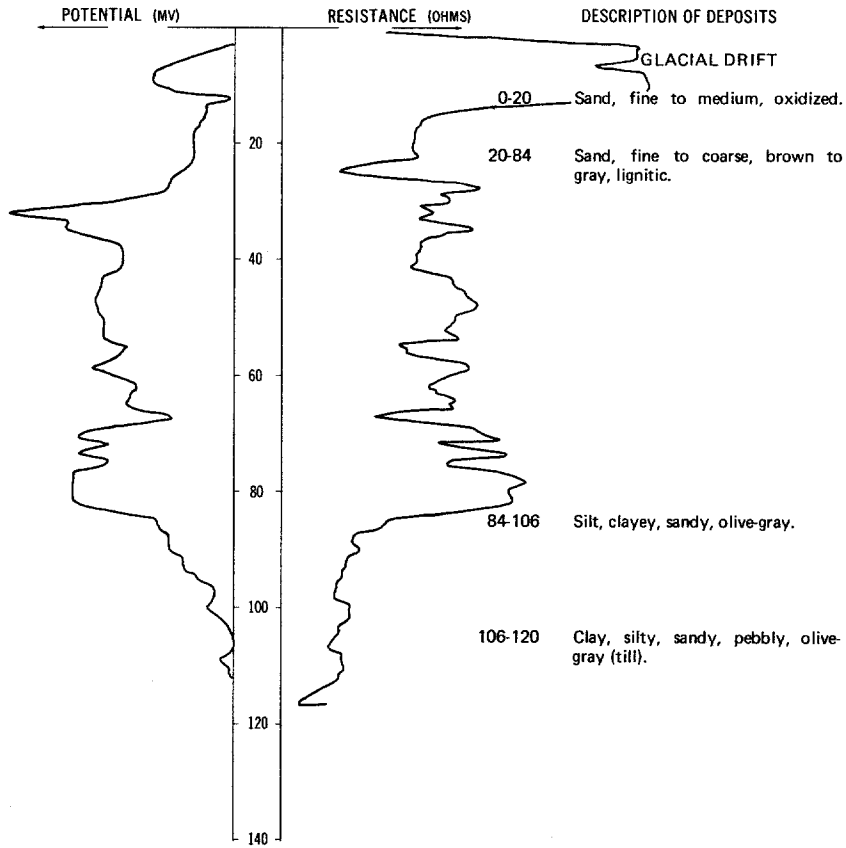


LOCATION: 135-053-16ADD

DATE DRILLED: 9/05/72

ALTITUDE: 1040  
(FT, NGVD)

DEPTH: 120  
(FT)



135-053-16CCC  
NDSWC 2211

Altitude: 1069 feet

Date drilled: 10/15/63

GEOLOGIC SOURCE MATERIAL

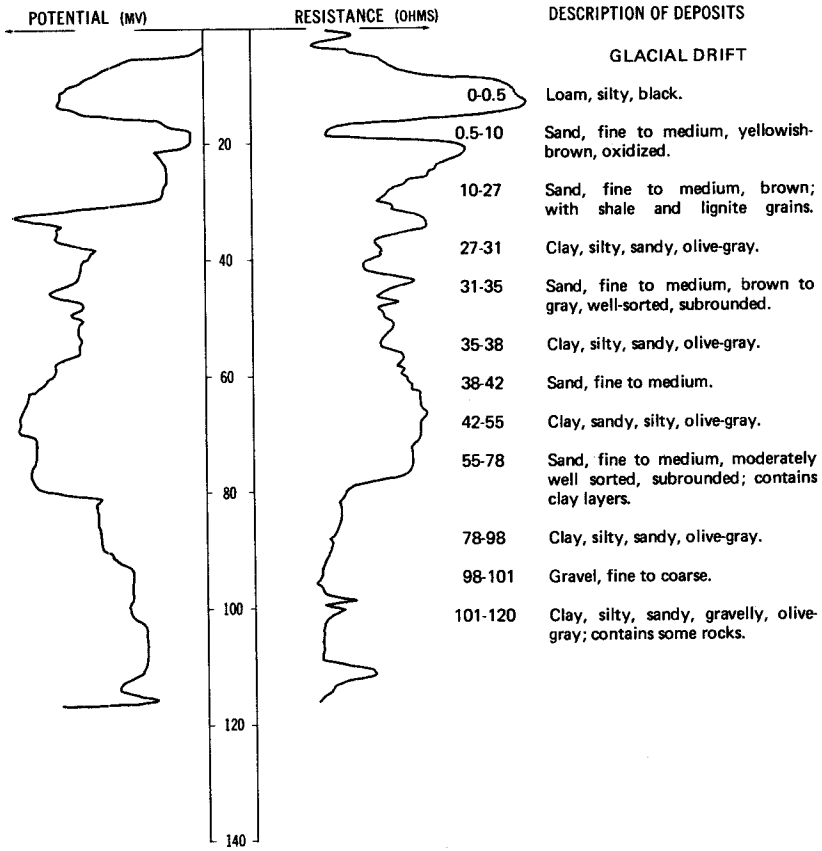
THICKNESS (FEET) DEPTH (FEET)

Glacial drift:

Loam, sandy, black	1	1
Sand, fine to coarse, moderate-reddish-brown, moderately well sorted, subrounded	9	10
Sand, fine to coarse, dark-greenish-gray, moderately well sorted, subrounded to rounded	34	44
Silt, clayey, and silty clay; olive-gray; interbedded	48	92
Clay, silty, sandy, pebbly, olive-gray (till)	4	96
Clay, silty, olive-gray to light-gray	9	105

LOCATION: 135-053-16DDD  
 ALTITUDE: 1046  
 (FT, NGVD)

DATE DRILLED: 9/05/72  
 DEPTH: 120  
 (FT)



135-053-21DDB  
 (Log from Midwest Valley Inc.)

Date drilled: 3/01/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, dirty	25	25
	Sand, good	2	27
	Sand, dirty	10	37
	Sand, good	5	42
	Sand, dirty	50	92
	Clay	5	97

135-053-22CCA  
(Log from Midwest Valley Inc.)

Date drilled: 3/01/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand	24	24
	Sand, good	2	26
	Sand, dirty	2	28
	Sand, good	6	34

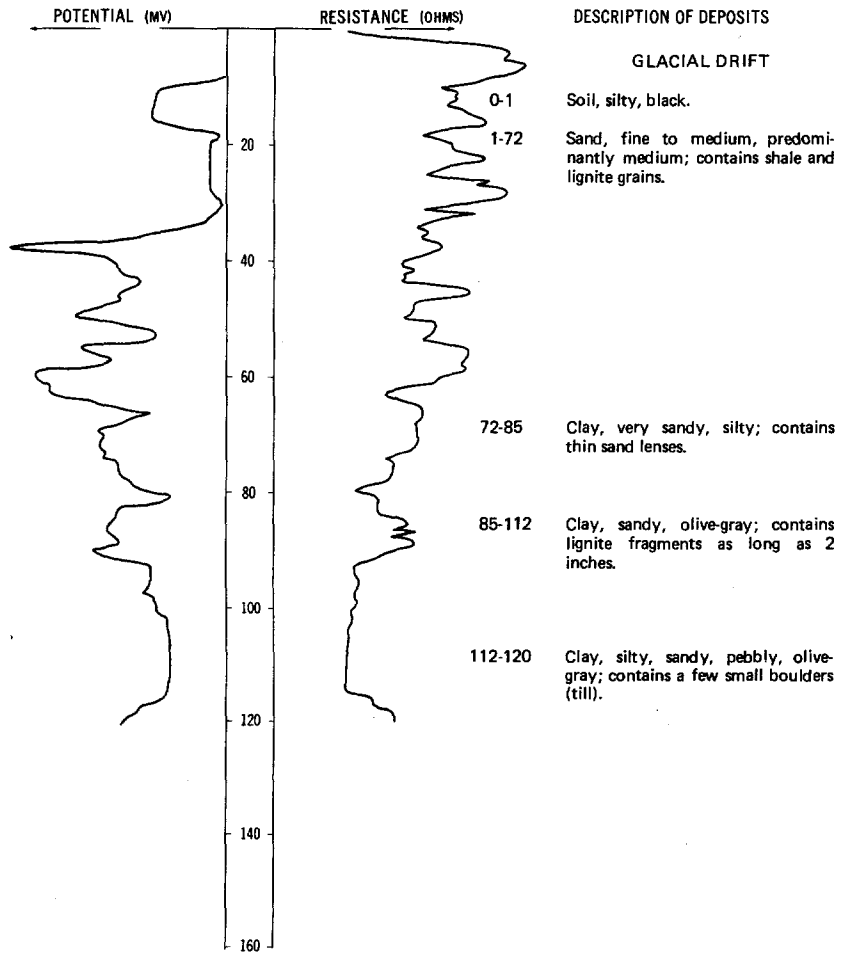
NDSWC 8474

LOCATION: 135-053-22CCC

DATE DRILLED: 9/05/72

ALTITUDE: 1060  
(FT, NGVD)

DEPTH: 120  
(FT)



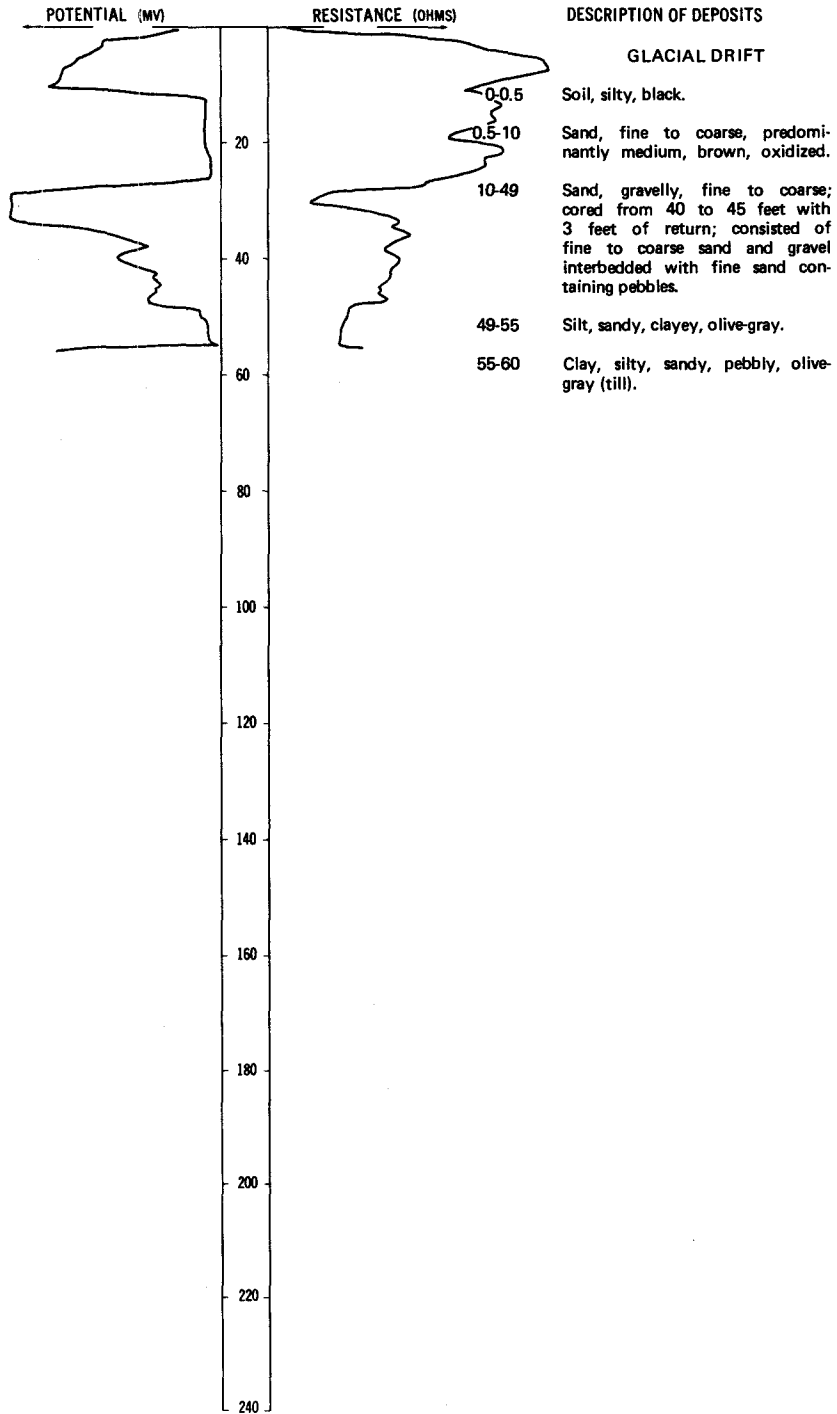
NDSWC 8475

LOCATION: 135-053-28DDD

DATE DRILLED: 9/05/72

ALTITUDE: 1060  
(FT, NGVD)

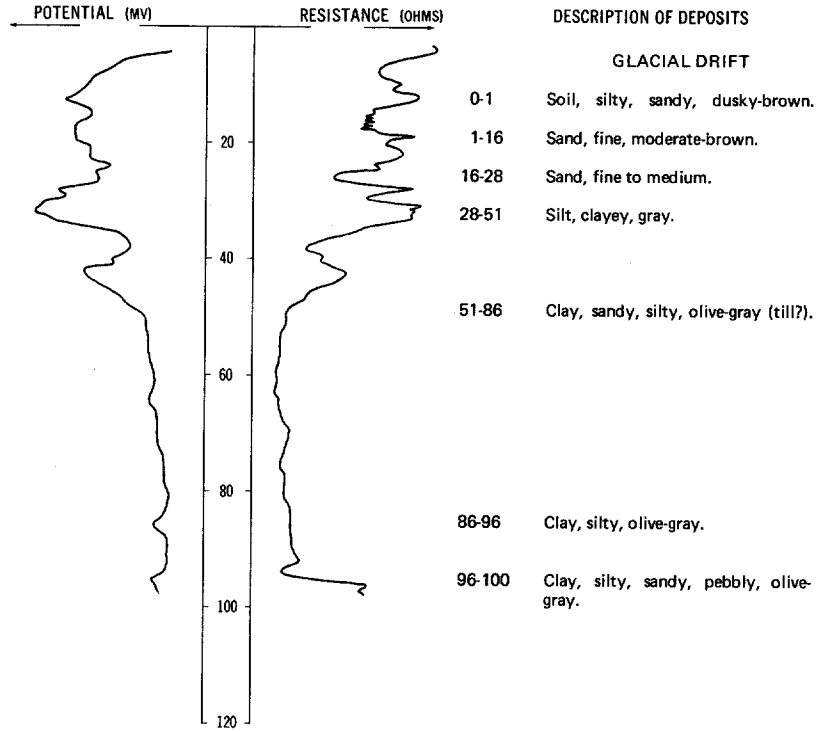
DEPTH: 60  
(FT)



NDSWC 10004

LOCATION: 135-053-30BBB  
 ALTITUDE: 1063  
 (FT, NGVD)

DATE DRILLED: 10/12/77  
 DEPTH: 100  
 (FT)



135-054-01CCC  
 NDSWC 2209

Altitude: 1061 feet

Date drilled: 10/15/63

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

Glacial drift:

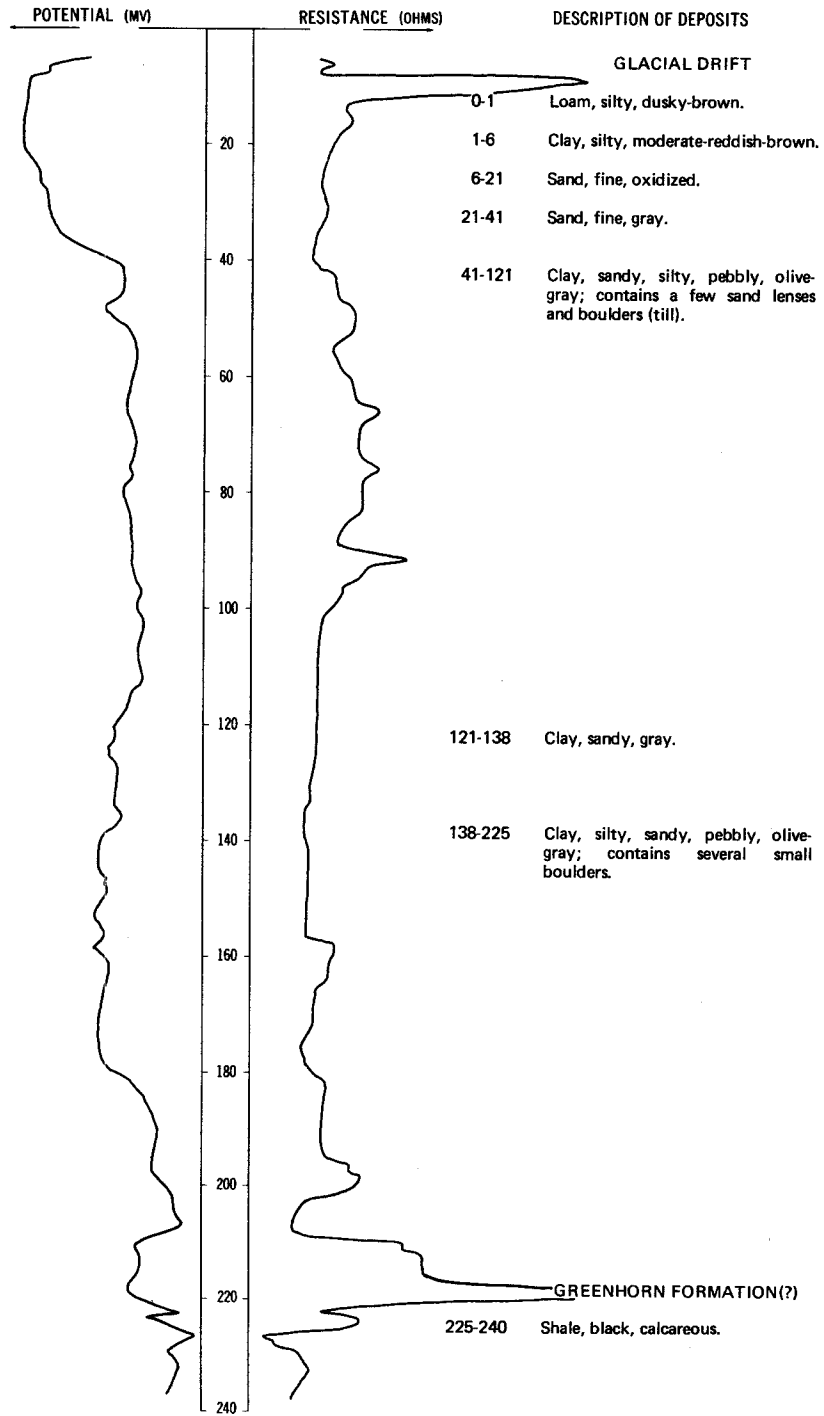
Loam, sandy, black-----	1	1
Sand, fine to medium, brown, rounded-----	6	7
Sand, fine to medium, dark-greenish-gray, well-sorted, rounded; predominantly quartz with much lignite-----	14	21
Silt, clayey, pebbly, olive-gray, calcareous (till)-----	21	42

LOCATION: 135-054-08AAA

DATE DRILLED: 10/12/77

ALTITUDE: 1075  
(FT, NGVD)

DEPTH: 240  
(FT)



**135-054-16DBD**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 7/ /68

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Clay, sandy-----	8	10
	Sand and gravel-----	13	23
	Sand, fine-----	27	50

**135-054-16DDC**  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 7/ /68

	Topsoil-----	2	2
	Clay, yellow-----	16	18
	Sand and gravel-----	25	43
	Clay-----	2	45

**135-054-21BBB**  
NDSWC 1249

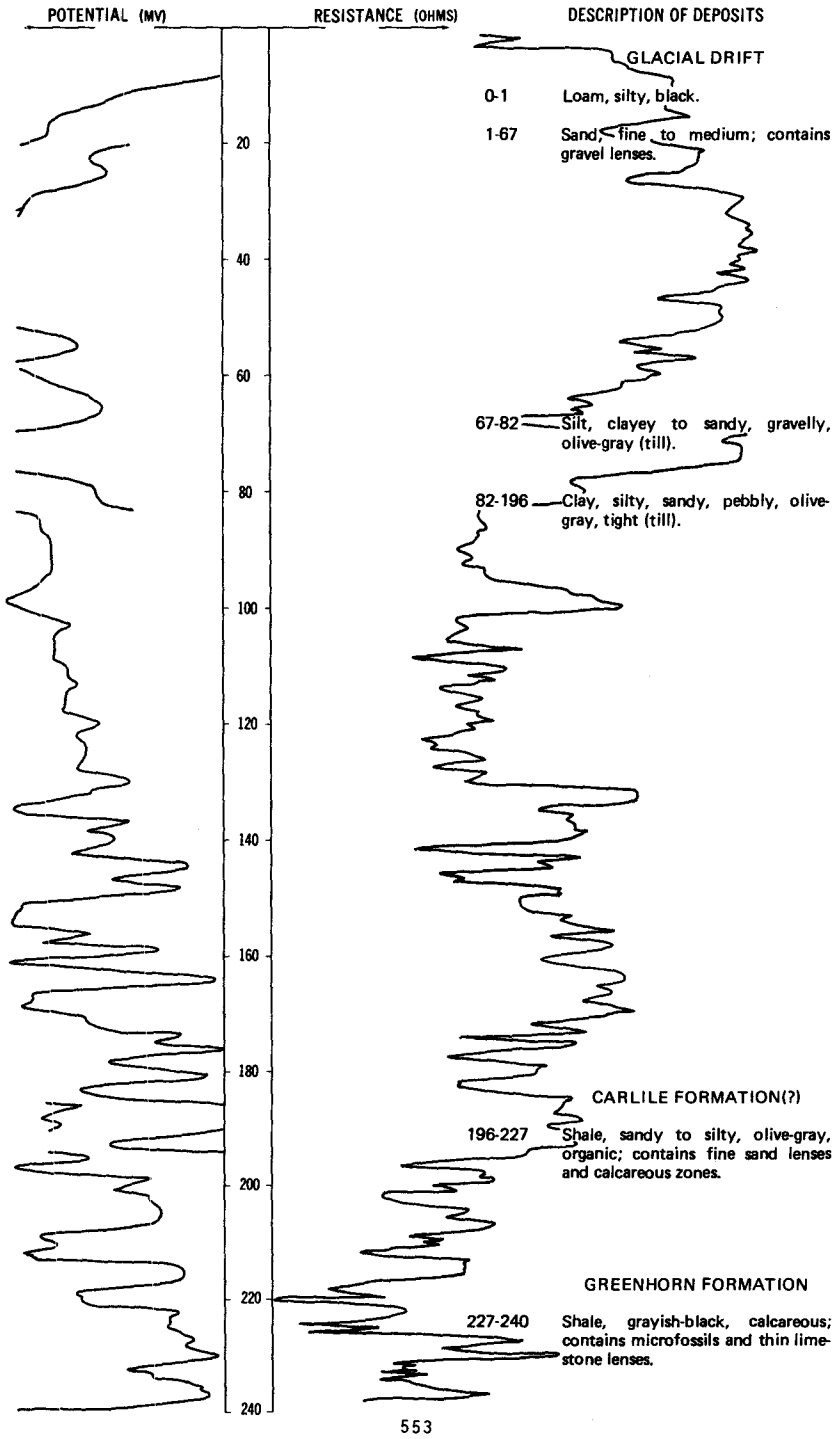
Altitude: 1065 feet

Date drilled: 11/06/57

	Topsoil, black-----	3	3
	Clay, yellow, smooth-----	9	12
	Sand, fine to medium, dirty-----	10	22
	Sand, fine to coarse, clean-----	17	39
	Till, gray clay, fine to coarse gravel, cobblestones-----	45	84

LOCATION: 135-054-22DDD  
ALTITUDE: 1062  
(FT, NGVD)

DATE DRILLED: 10/28/75  
DEPTH: 240  
(FT)





135-054-23CCC  
NDSWC 2210

Altitude: 1062 feet

Date drilled: 10/15/63

GEOLOGIC  
SOURCE

MATERIAL

THICKNESS  
(FEET)

DEPTH  
(FEET)

Glacial drift:

Loam, silty, black-----	1	1
Clay, sandy, yellowish-brown-----	4	5
Sand, clayey, fine to medium, dusky-yellow-----	5	10
Sand, fine to coarse, rounded; well sorted in lenses-----	56	66
Clay, very silty, sandy, pebbly, olive-gray, calcareous (till)-----	7	73

135-054-28CAC  
(Log from Traut Wells, Inc.)

Date drilled: 2/08/77

Topsoil-----	2	2
Sand; 30-40 slot; very clean-----	36	38
Clay, gray-----	7	45

135-054-28CCA  
(Log from Green Circle Supply Co.)

Date drilled: 2/23/76

Topsoil, sandy-----	1	1
Sand, fine, oxidized-----	7	8
Sand, coarse, clean-----	7	15
Sand, coarse, and gravel-----	6	21
Sand, coarse; and gravel, clean-----	14	35
Clay, pebbly-----	5	40

135-054-33AAB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/29/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Sand, medium-----	33	35
	Clay-----	5	40

135-054-33AAC1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 10/29/74

	Topsoil-----	2	2
	Sand, medium to coarse-----	40	42
	Clay-----	8	50

135-054-33AAC2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 6/24/75

	Topsoil-----	2	2
	Sand, medium-coarse-----	37	39

135-054-338BB  
NDSWC 1250

Altitude: 1065 feet

Date drilled: 11/11/57

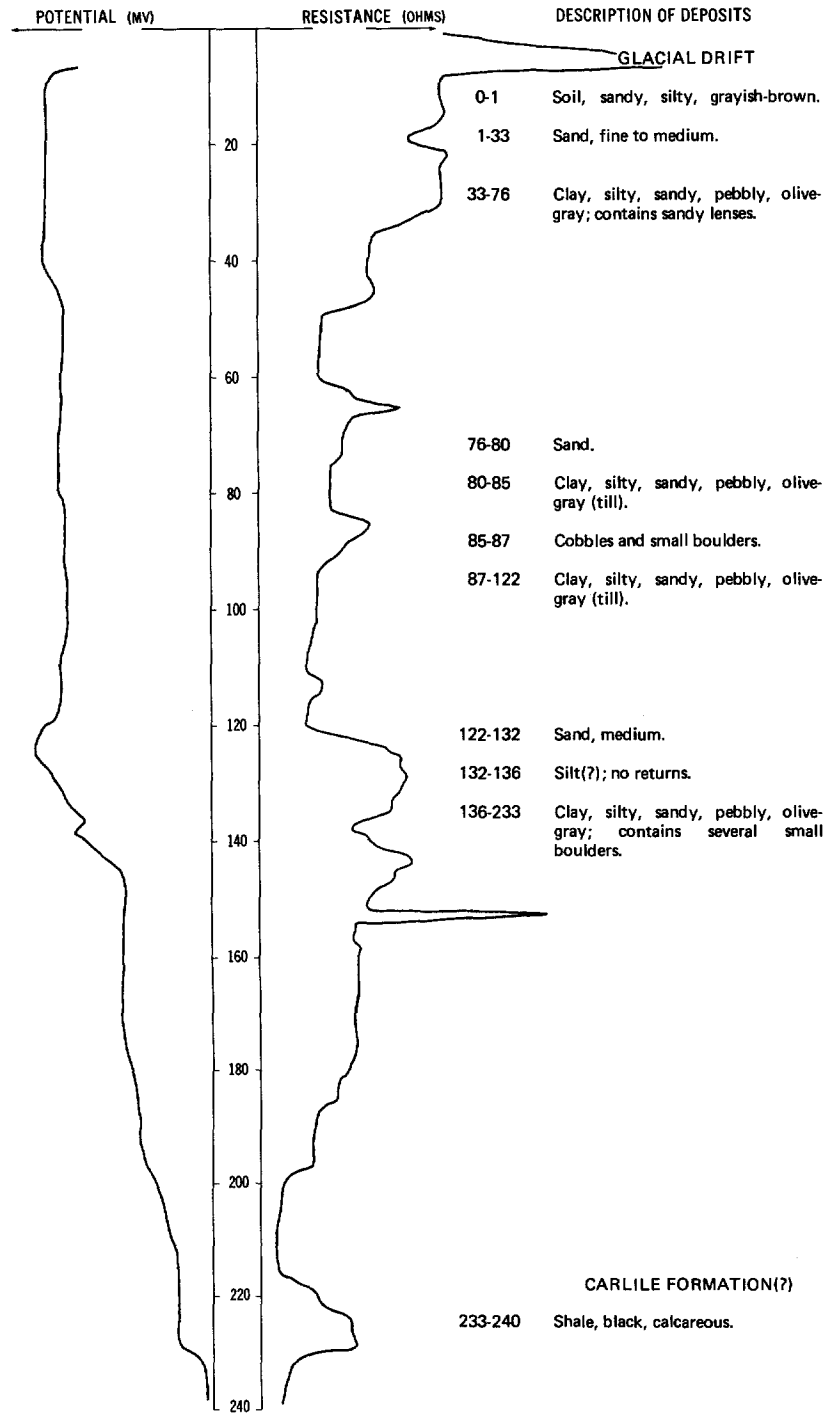
Glacial drift:			
	Soil, black-----	3	3
	Gravel, fine to coarse-----	10	13
	Gravel, fine to coarse; cobbles; and lignite pebbles-----	13	26
	Clay, gravelly, gray; cobblestones (till)-----	5	31

LOCATION: 135-054-33DDD1, 2

DATE DRILLED: 10/11/77

ALTITUDE: 1070  
(FT, NGVD)

DEPTH: 240  
(FT)



135-054-34CAC  
(Log from Adair Drilling Co.)

Date drilled: 10/15/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	1	1
	Clay, yellow-----	11	12
	Sand and gravel-----	34	46
	Till, clay-----	14	60

135-054-34CAD  
(Log from Adair Drilling Co.)

Date drilled: 10/15/76

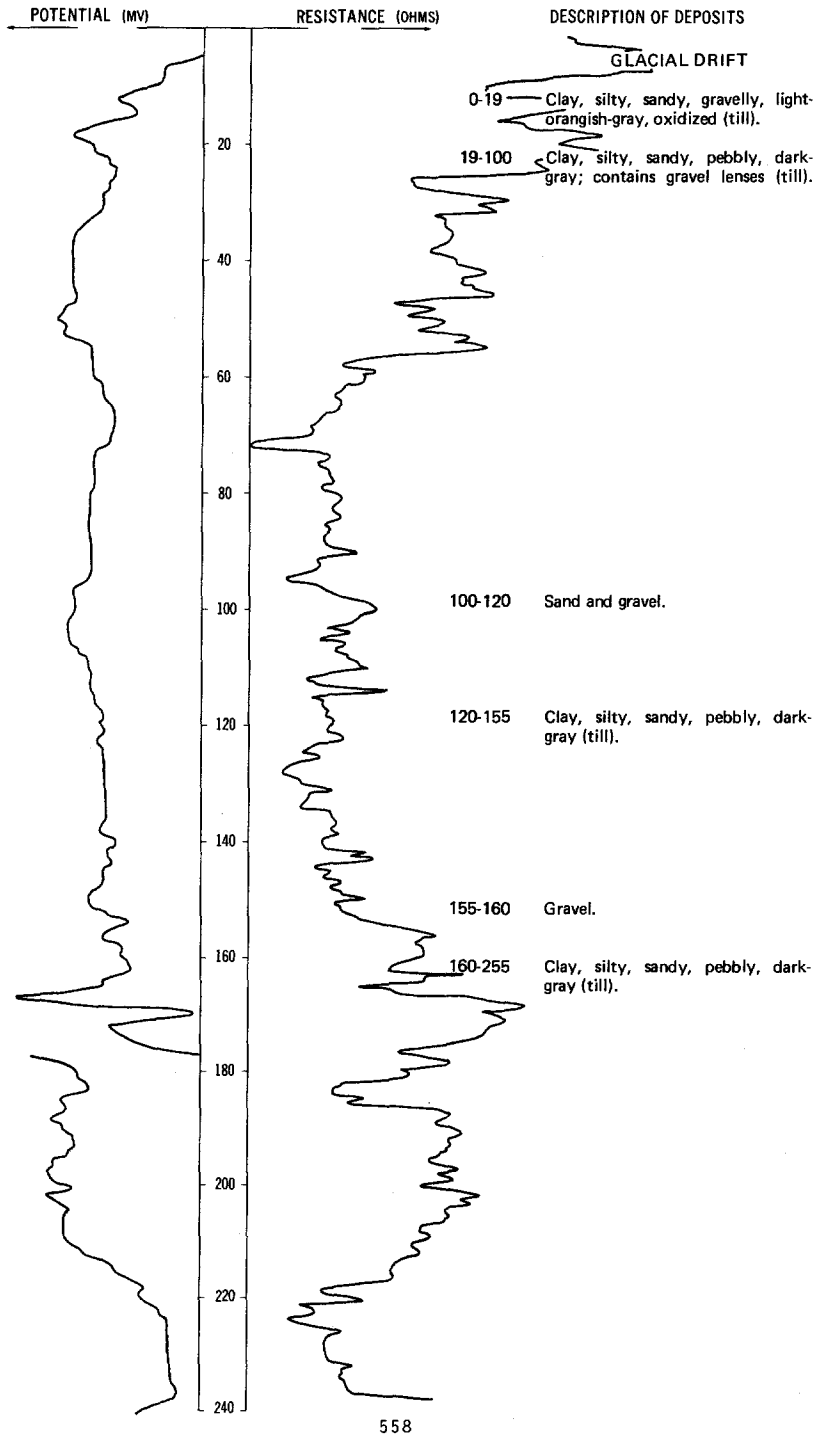
	Topsoil-----	1	1
	Clay, yellow-----	15	16
	Sand and gravel-----	30	46
	Till, clay-----	14	60

LOCATION: 135-055-02ADA

DATE DRILLED: 10/29/75

ALTITUDE: 1102  
(FT, NGVD)

DEPTH: 260  
(FT)

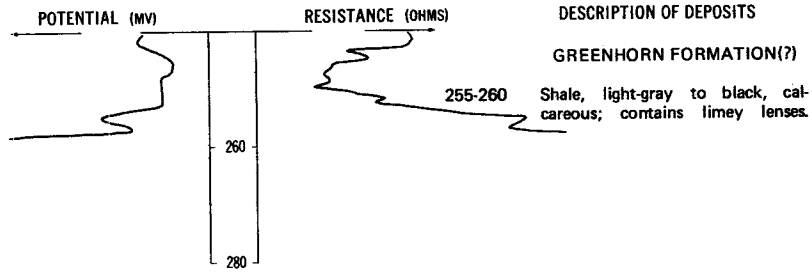


LOCATION: 135-055-02ADA

DATE DRILLED: 10/29/75

ALTITUDE: 1102  
(FT, NGVD)

DEPTH: 260  
(FT)



135-055-02BCB  
(Log from Independent Drilling Co.)

Date drilled: 11/29/69

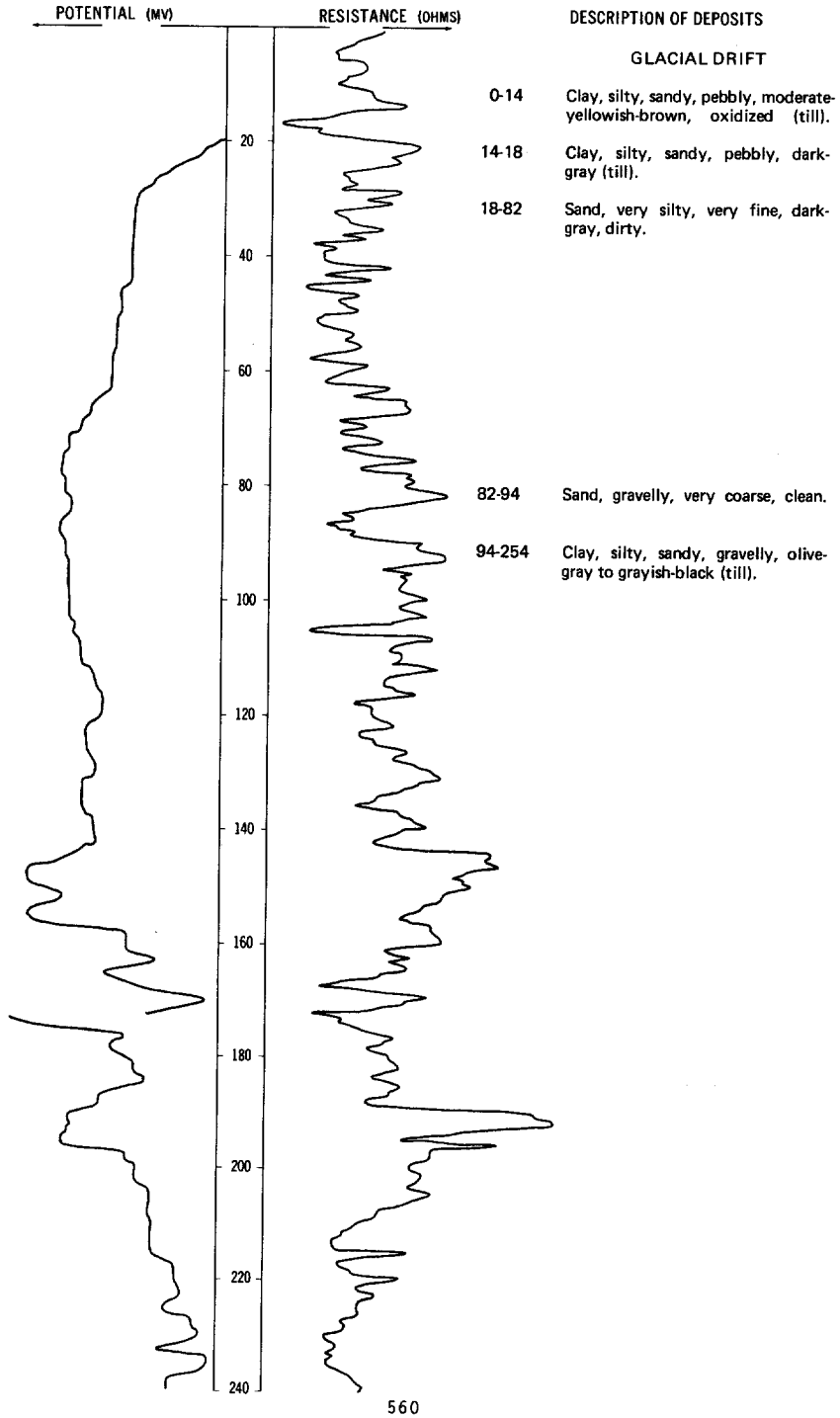
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Gravel and boulders	160	160
Greenhorn Formation:	Caprock	100	260
Dakota Sandstone (top):		65	515 580
Lakota Formation (top):		53	636 689

LOCATION: 135-055-03BBB

DATE DRILLED: 10/29/75

ALTITUDE: 1123  
(FT. NGVD)

DEPTH: 260  
(FT)

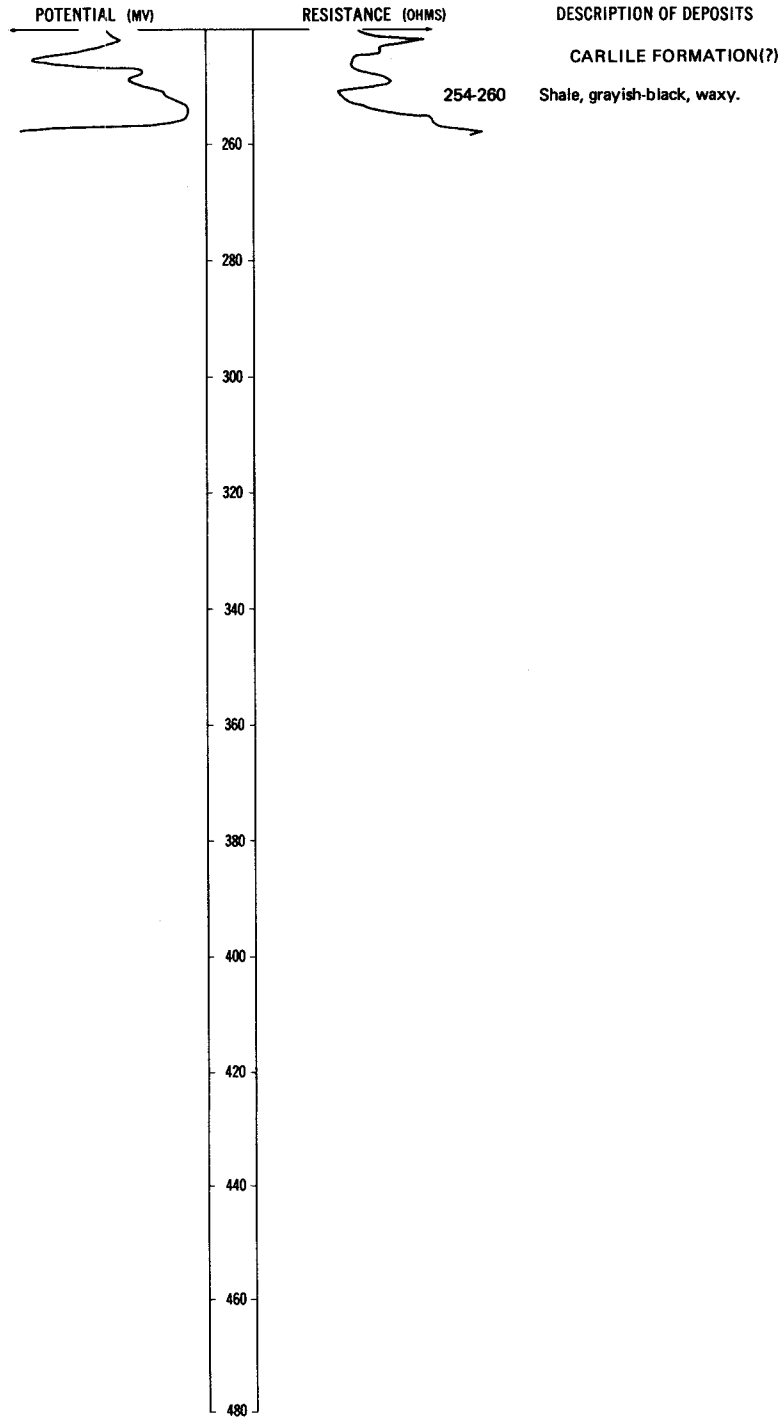


LOCATION: 135-055-03888

DATE DRILLED: 10/29/75

ALTITUDE: 1123  
(FT, NGVD)

DEPTH: 260  
(FT)



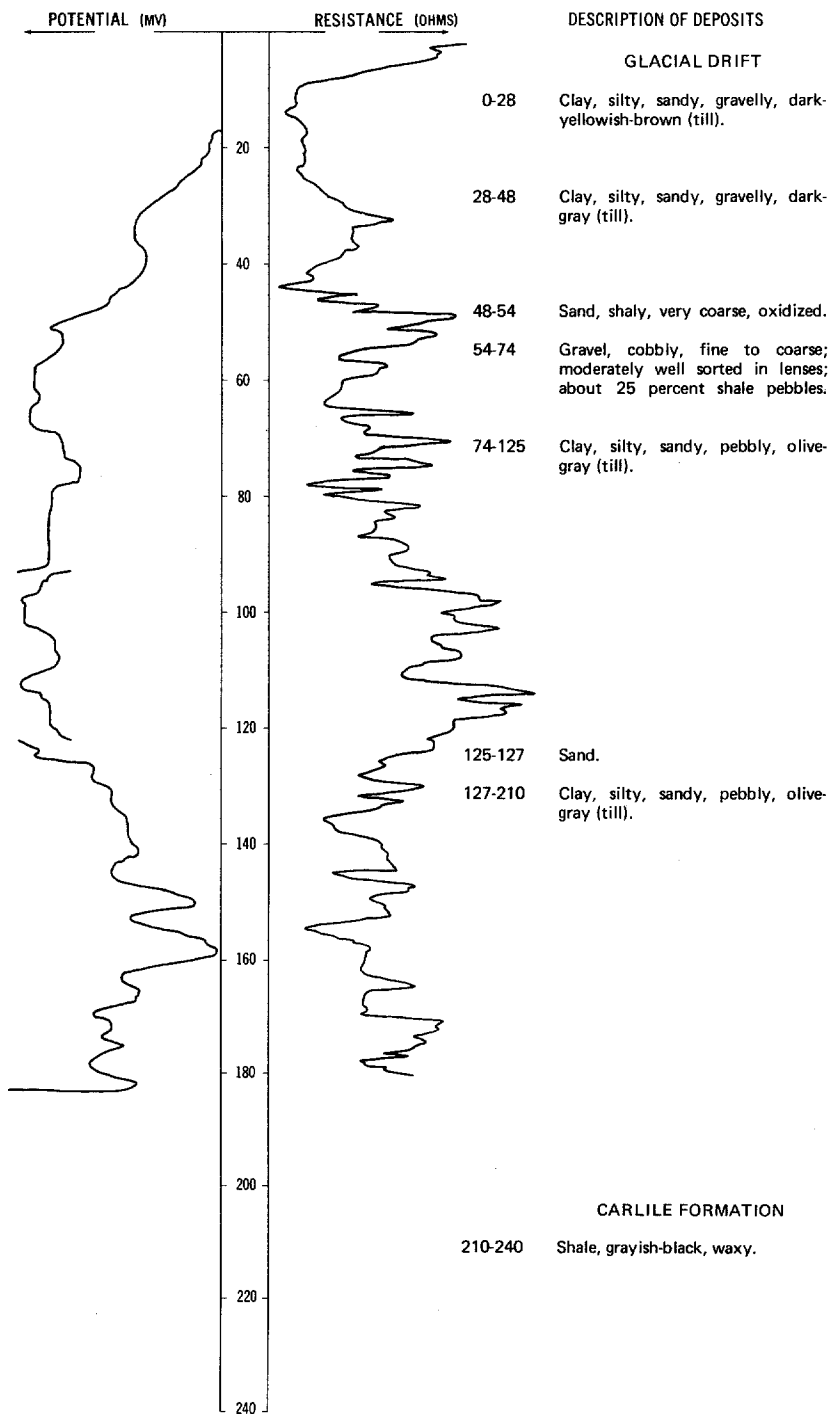


LOCATION: 135-055-05BBB

DATE DRILLED: 10/30/75

ALTITUDE: 1180  
(FT, NGVD)

DEPTH: 240  
(FT)



135-055-17CAB  
(Log from Robert Recker)

Date drilled: 10/26/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	29	31
	Sand, fine, brown	8	39
	Clay, dark-brownish-gray	12	51
	Sand and gravel	10	61

135-055-18DAB  
(Log from Robert Recker)

Date drilled: 10/24/73

	Dirt, black	2	2
	Clay, yellow	22	24
	Clay, dark-brown	21	45
	Clay, blue	10	55
	Sand and gravel	5	60

135-055-19AAA  
(Log from Robert Recker)

Date drilled: 8/28/73

	Clay, yellow	19	19
	Clay, dark-brown	24	43
	Clay, gray	8	51
	Sand, fine	4	55
	Sand, coarse	8	63

135-055-20BBA  
(Log from Robert Recker)

Date drilled: 9/09/76

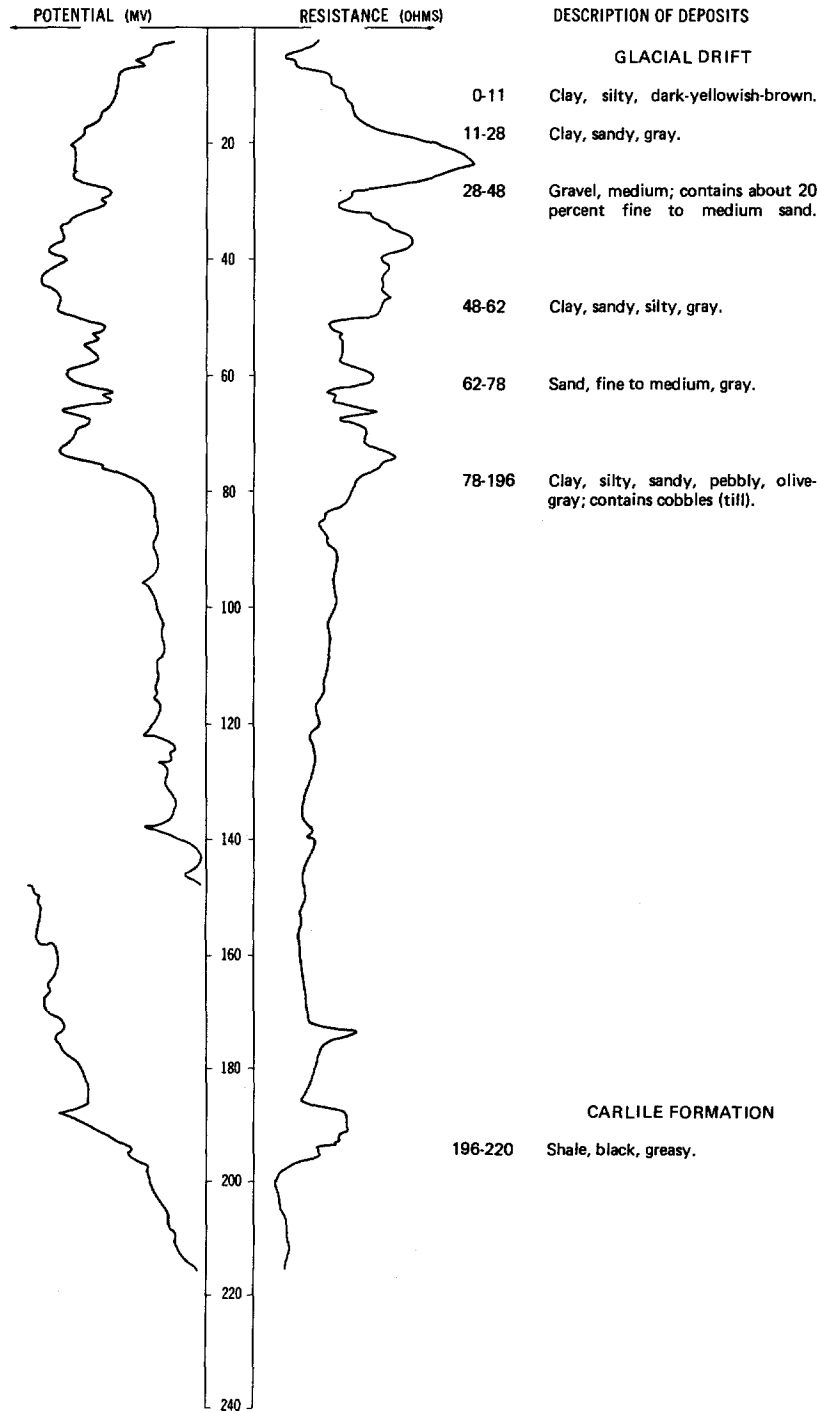
	Dirt, black	2	2
	Clay, yellow	21	23
	Clay, dark-blue	22	45
	Gravel, coarse, and clay	5	50
	Clay, light-blue	8	58
	Gravel, coarse, and fine sand	5	63
	Gravel, coarse; 1/16 to 3/8 inch	6	69

LOCATION: 135-055-27CBC

DATE DRILLED: 10/13/77

ALTITUDE: 1135  
(FT, NGVD)

DEPTH: 220  
(FT)



135-055-27CCD  
(Log from Robert Recker)

Date drilled: 10/21/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	5	5
	Clay, yellow-----	13	18
	Clay, brown-----	6	24
	Clay, blue-----	21	45
	Clay-----	19	64
	Gravel, coarse-----	6	70

135-055-29DCD  
(Log from Robert Recker)

Date drilled: 4/05/76

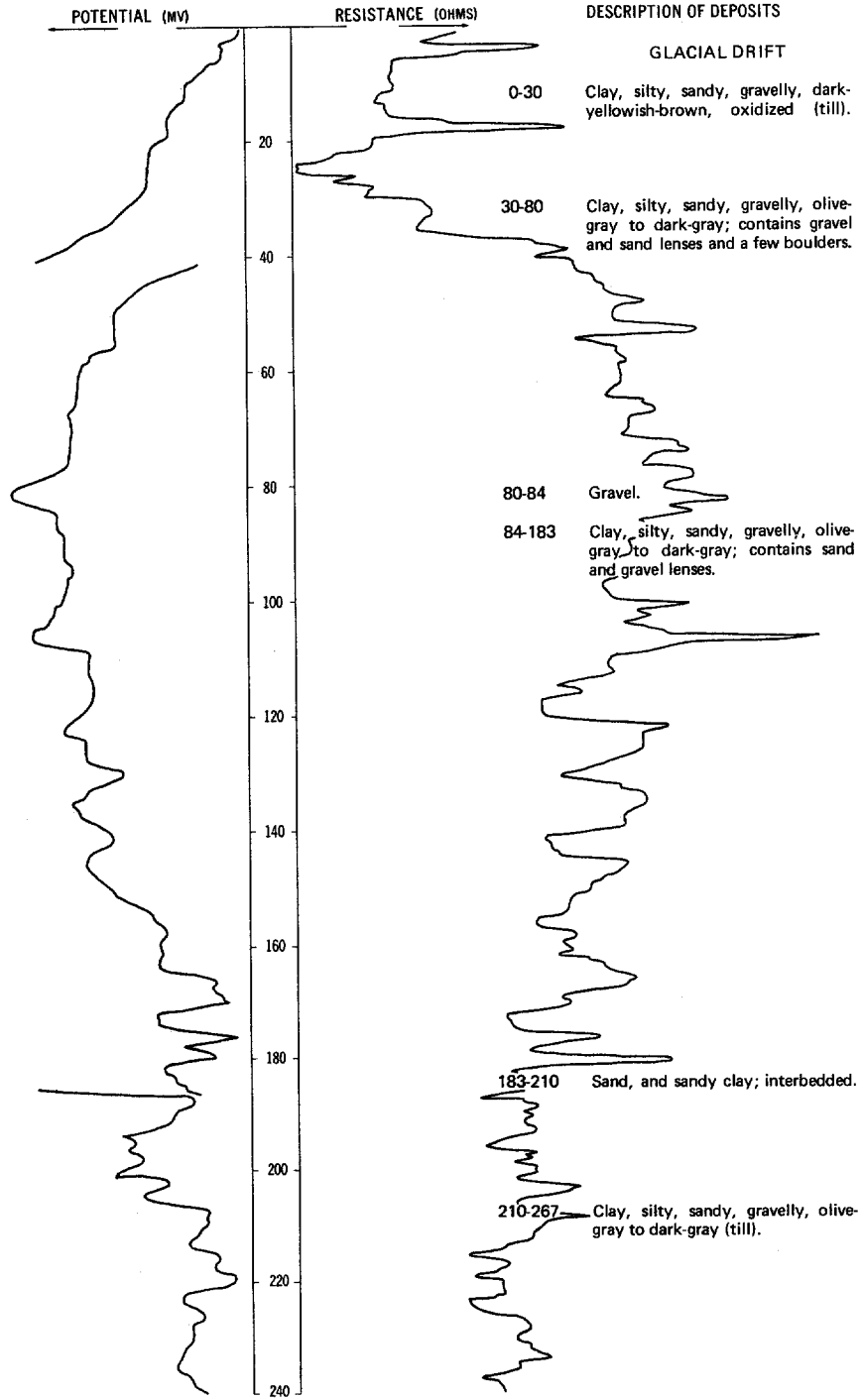
	Dirt, black-----	3	3
	Clay, yellow-----	19	22
	Clay, blue-----	11	33
	Gravel, coarse-----	2	35
	Clay, white-----	22	57
	Gravel, coarse-----	5	62

LOCATION: 135-056-01BBB

DATE DRILLED: 10/30/75

ALTITUDE: 1208  
(FT, NGVD)

DEPTH: 280  
(FT)



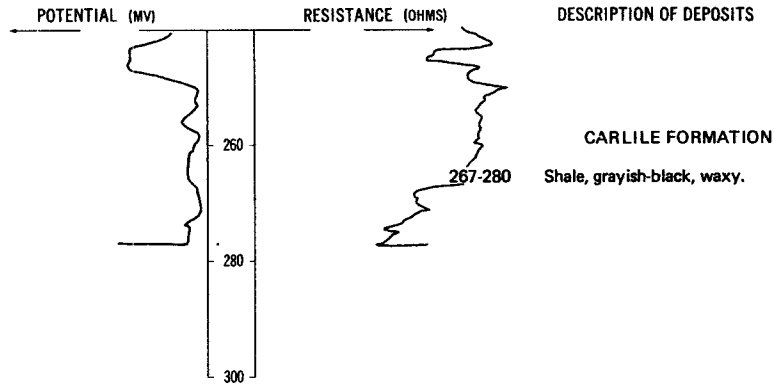
NDSWC 4883, Continued

LOCATION: 135-056-01BBB

DATE DRILLED: 10/30/75

ALTITUDE: 1208  
(FT, NGVD)

DEPTH: 280  
(FT)



135-056-07AAD  
(Log from Robert Recker)

Date drilled: 8/07/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	20	22
	Clay, blue	18	40
	Gravel and coal	3	43
	Clay, blue	3	46
	Sand, fine	2	48
	Clay, blue	10	58
	Gravel	8	66

135-056-07CCA1  
(Log from Frederickson's Inc.)

Date drilled: 11/28/73

Topsoil, black	1	1
Clay, silty, brown	46	47
Clay, sandy, blue	79	126
Sand, gray	2	128
Clay, sandy; with lenses of sand, blue	4	132
Clay, sandy, hard; boulders, blue	26	158
Clay, sandy, soft, blue	9	167
Clay, sandy, hard, blue	14	181
Boulder	1	182
Shale	25	207

135-056-07CCA2  
(Log from Frederickson's Inc.)

Date drilled: 11/29/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	1	1
	Clay, sandy, brown-----	50	51
	Clay, sandy, blue-----	45	96
	Boulder, blue-----	1	97
	Clay, sandy; with sand lenses, blue-----	10	107
	Clay, sandy, hard-----	17	124
	Clay, sandy, hard; and boulder, blue-----	24	148
	Clay, sandy, soft, blue-----	19	167
	Clay, sandy, hard-----	31	198
	Shale, black-----	9	207

135-056-07CCA3  
(Log from Frederickson's Inc.)

Date drilled: 11/30/73

	Topsoil, black-----	1	1
	Clay, sandy, brown-----	46	47
	Clay, sandy, blue-----	15	62
	Clay, sandy, soft, blue-----	8	70
	Clay, sandy, hard, blue-----	25	95
	Sand, blue-----	1	96
	Clay, sandy, hard, blue-----	13	109
	Sand, blue-----	1	110
	Clay, sandy, hard, blue-----	81	191
	Shale, black-----	9	200

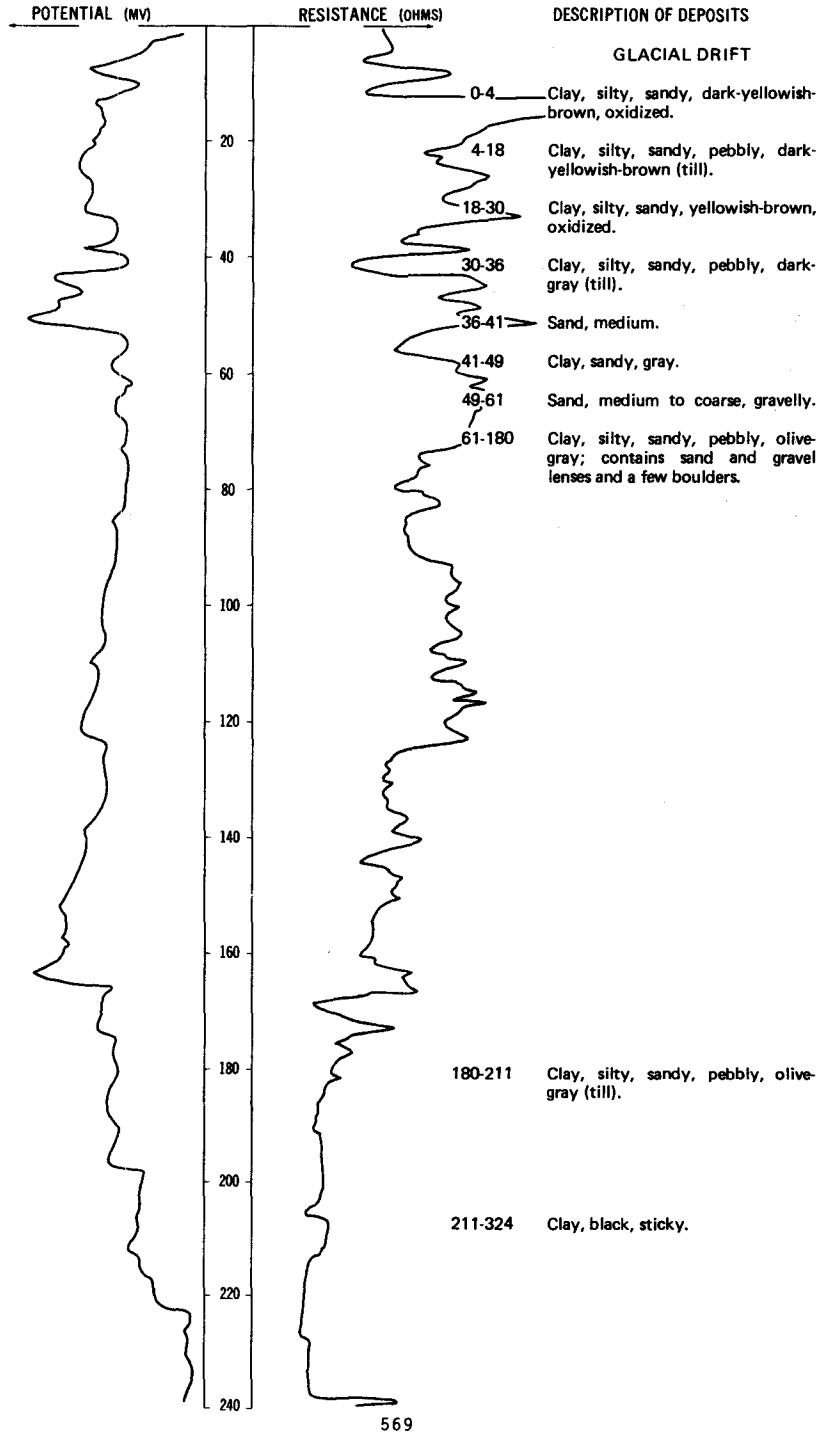
135-056-07CCA4  
(Log from Frederickson's Inc.)

Date drilled: 2/19/74

	Topsoil, brown-----	1	1
	Clay, sandy, brown-----	52	53
	Clay, sandy; with rock, blue-----	113	166
	Sand, blue-----	1	167
	Clay, sandy, blue-----	58	225
	Clay, sandy; with shale, blue-black-----	12	237
	Shale, sandy-----	180	417
	Shale, sandy, soft, blue-----	37	454
	Shale, sandy; with small rock, blue-----	26	480
	Shale, sandy, blue-----	128	608
	Shale, sandy, soft, black-----	11	619
	Shale, sandy; with rock, black-----	6	625
	Shale, sandy, soft, black-----	37	662
	Shale, sandy, black-----	44	706
	Shale, silty, soft, black-----	8	714
	Sandstone, sandy, shallow lenses, black-----	3	717
	Sandstone, fine, white-----	19	736
	Shale, sandy, black-----	3	739

LOCATION: 135-056-10CCC  
ALTITUDE: 1219  
(FT, NGVD)

DATE DRILLED: 6/23/77  
DEPTH: 380  
(FT)



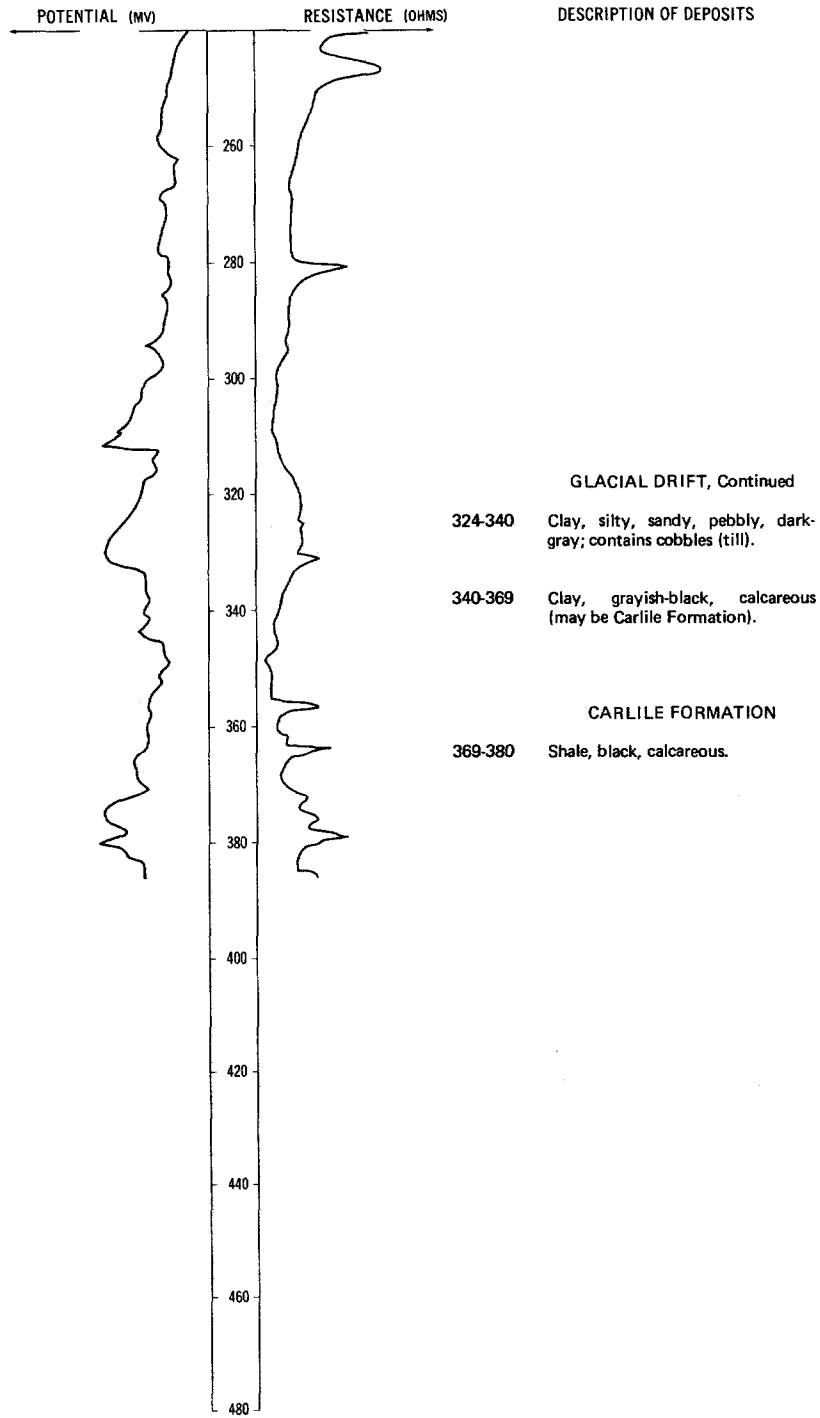


LOCATION: 135-056-10CCC

DATE DRILLED: 6/23/77

ALTITUDE: 1219  
(FT, NGVD)

DEPTH: 380  
(FT)



135-056-10DDDB  
(Log from Independent Drilling Co.)

		Date drilled:	8/17/74
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Greenhorn Formation (top):			360
Dakota Sandstone (top):		81	859
			940

135-056-11CDC  
(Log from Gores Well Drilling)

		Date drilled:	10/24/72
Topsoil, black	-----	1	1
Clay, yellow	-----	24	25
Clay, blue	-----	5	30
Sand	-----	10	40
Clay, blue	-----	110	150
Sand	-----	50	200
Shale	-----	500	700
Sandstone	-----	20	720
Shale	-----	180	900
Sandstone	-----	74	974

135-056-13CBA  
(Log from Independent Drilling Co.)

		Date drilled:	7/24/74
Greenhorn Formation (top):			390
Dakota Sandstone (top):		80	880
			960

135-056-36BCC  
(Log from Robert Recker)

		Date drilled:	10/19/73
Dirt, black	-----	2	2
Clay, yellow	-----	27	29
Clay, blue	-----	37	66
Sand	-----	5	71

135-057-08CBB  
(Log from Falk Bros. Well Drilling)

		Date drilled:	9/13/76
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow-----	40	40
	Shale-----	54	94
	Sand-----	26	120

135-057-11BAA  
(Log from Independent Drilling Co.)

		Date drilled:	3/02/68
Pierre Shale (top):			95
Greenhorn Formation (top):			347
Dakota Sandstone (top):			601
Lakota Formation (top):			736
		63	799

135-057-12BBC  
(Log from Robert Recker)

		Date drilled:	3/18/67
Greenhorn Formation (top):			315
		25	340
Dakota Sandstone (top):			754
		63	817

135-057-16AAC  
(Log from Kamoni Well Boring)

		Date drilled:	3/01/74
Dirt, black-----		2	2
Clay, sandy, yellow-----		16	18
Gravel, coarse, clean-----		5	23
Clay, blue-----		5	28

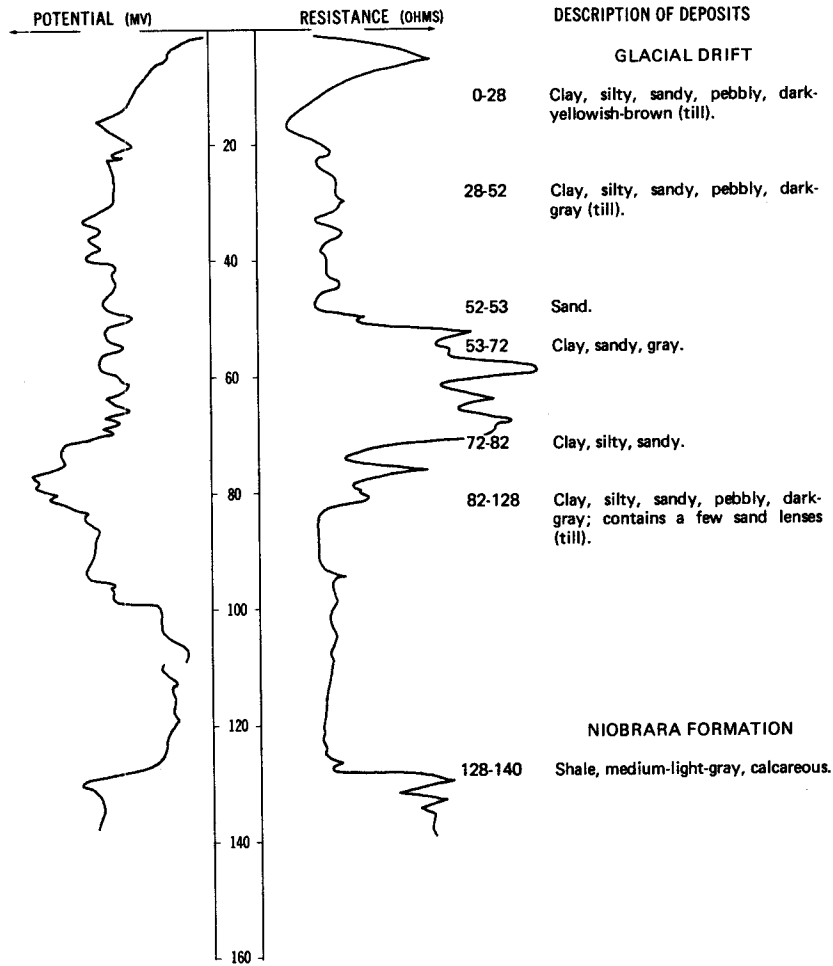
NDSWC 9921

LOCATION: 135-057-20CCC

DATE DRILLED: 8/12/77

ALTITUDE: 1330  
(FT, NGVD)

DEPTH: 140  
(FT)



135-057-21CCD  
(Log from Independent Drilling Co.)

Date drilled: 10/04/68

GEOLOGIC SOURCE	MATERIAL
Glacial drift:	
Greenhorn Formation (top):	

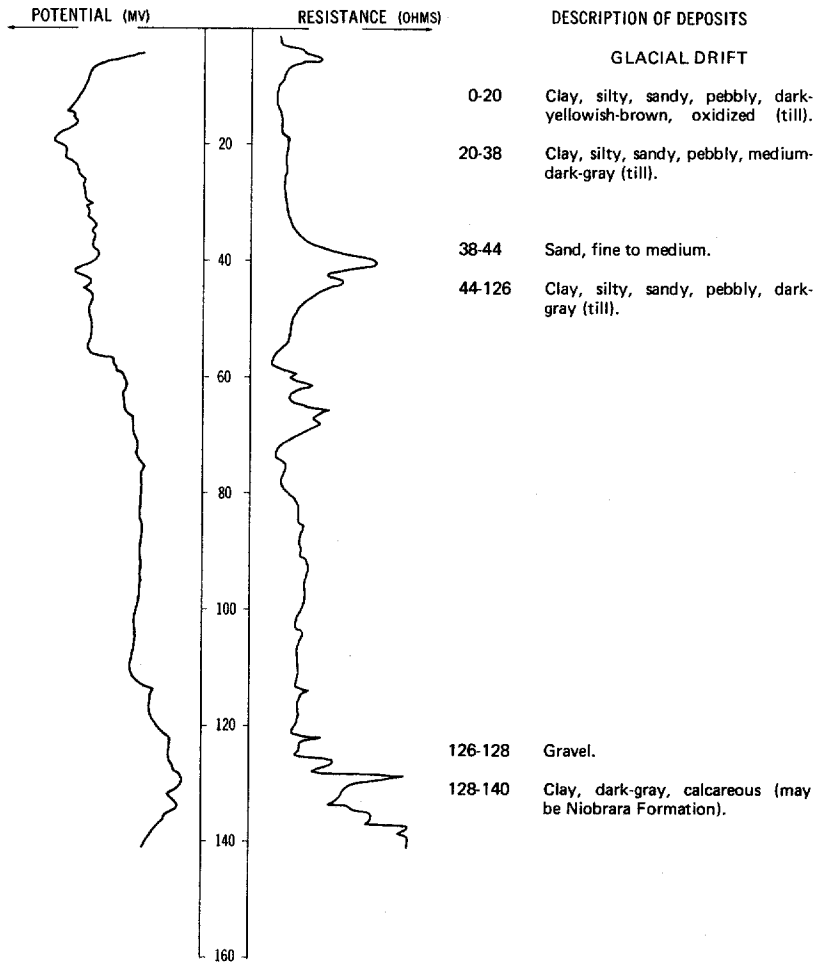
THICKNESS (FEET)	DEPTH (FEET)
98	98
625	520 1,145

LOCATION: 135-057-30BBB

DATE DRILLED: 8/11/77

ALTITUDE: 1340  
(FT, NGVD)

DEPTH: 140  
(FT)



135-057-35ADA  
(Log from Independent Drilling Co.)

Date drilled: 5/29/74

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET)      DEPTH (FEET)

Greenhorn Formation (top):

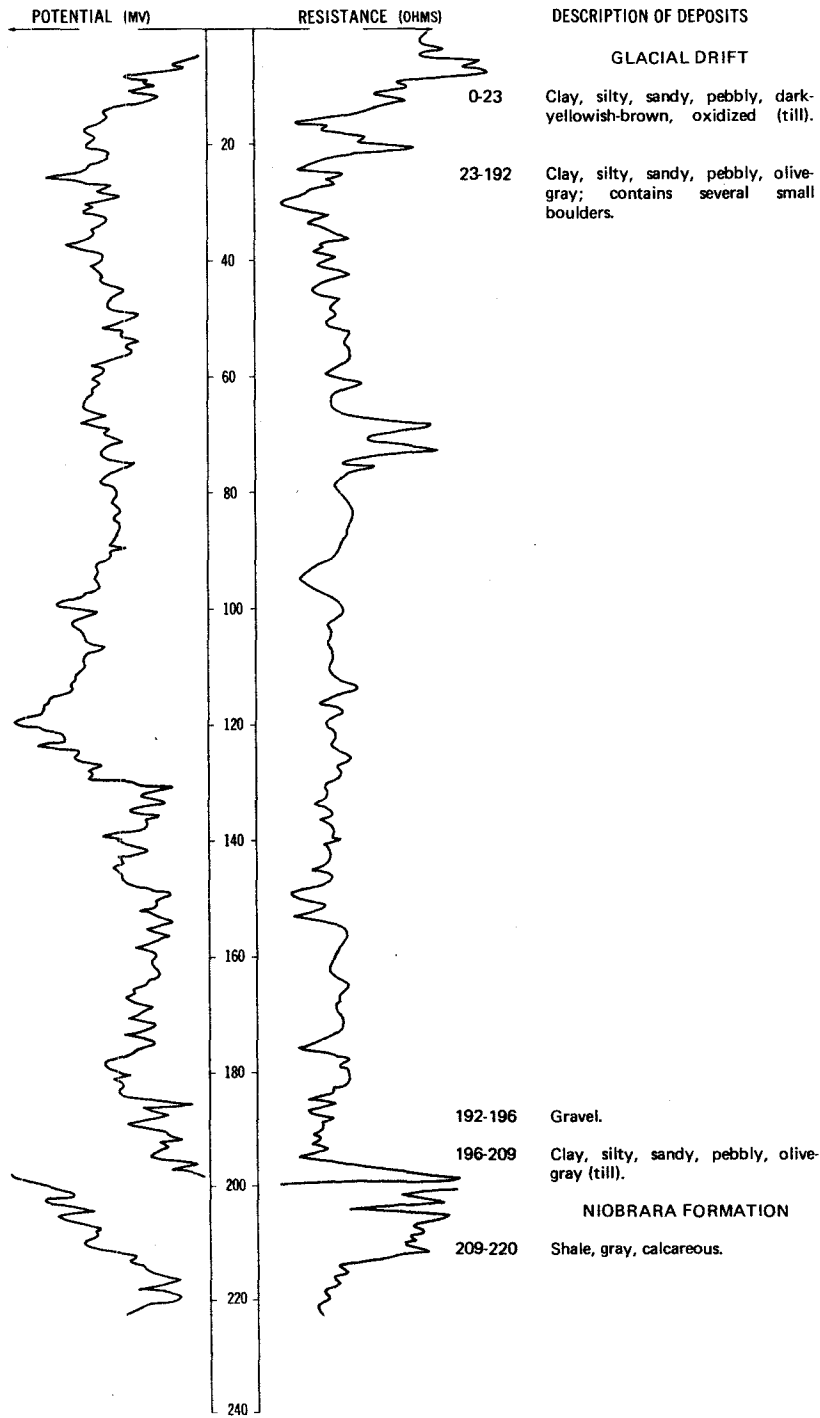
508

Dakota Sandstone (top):

120      920  
1,040

LOCATION: 135-058-02BBB  
ALTITUDE: 1425  
(FT, NGVD)

DATE DRILLED: 6/28/77  
DEPTH: 220  
(FT)



135-058-02DBC  
(Log from Robert Recker)

Date drilled: 11/10/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	5	5
	Clay, yellow	23	28
	Clay, blue	25	53
	Sand, fine	2	55
	Clay, blue; sand; and gravel	8	63
	Chalk, white	7	70

135-058-04AAC  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 6/29/68

	Topsoil	2	2
	Clay, sandy	4	6
	Shale pebbles	14	20
	Sand and gravel	23	43
	Clay	7	50

135-058-04ABA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 6/29/68

	Topsoil	2	2
	Shale pebbles	18	20
	Sand and gravel	30	50
	Gravel	8	58
	Clay	2	60

135-058-04ABB  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 6/29/68

	Topsoil	2	2
	Shale pebbles	18	20
	Sand and gravel	33	53
	Clay	2	55

135-058-04ACB  
(Log from Mann Drilling Co.)

Date drilled: 3/01/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Sand, brown-----	14	14
	Sand and gravel-----	31	45
	Till-----	15	60

135-058-04ADA  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 6/29/68

	Topsoil-----	2	2
	Shale pebbles-----	18	20
	Sand and gravel-----	15	35
	Clay-----	5	40

135-058-04ADC  
(Log from Mann Drilling Co.)

Date drilled: 1968

	Clay, sandy, brown-----	21	21
	Sand, coarse, and medium gravel-----	33	54
	Till-----	6	60

135-058-04BAC1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 6/29/68

	Topsoil-----	2	2
	Shale pebbles-----	18	20
	Sand and gravel-----	10	30
	Clay-----	5	35

135-058-04BAC2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 6/29/68

	Topsoil-----	2	2
	Sand and gravel-----	23	25
	Clay-----	5	30



135-058-04BAC3  
(Log from Empire Irrigation & Drilling Co., Inc.)

GEOLOGIC SOURCE	MATERIAL	Date drilled: 6/29/68	
		THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Sand and gravel.....	23	25
	Clay.....	5	30

135-058-04BAD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 6/29/68	
	Topsoil.....	2	2
	Shale pebbles.....	18	20
	Sand and gravel.....	15	35
	Sand, fine.....	7	42
	Clay.....	8	50

135-058-04BBC  
(Log from Mann Drilling Co.)

		Date drilled: 1968	
	Sand, brown.....	15	15
	Sand, coarse.....	7	22
	Till.....	18	40

135-058-04CBC  
(Log from Mann Drilling Co.)

		Date drilled: 1968	
	Sand, brown.....	10	10
	Sand, coarse.....	12	22
	Till.....	18	40

135-058-04CDA1  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled: 6/29/68	
	Topsoil.....	2	2
	Shale pebbles.....	18	20
	Sand and gravel.....	10	30
	Clay.....	5	35

135-058-04CDA2  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	3/01/74
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil-----	2	2
	Shale pebbles-----	18	20
	Sand-----	12	32
	Clay-----	3	35

135-058-04DBC  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	3/01/74
	Topsoil-----	2	2
	Shale pebbles-----	18	20
	Sand and gravel-----	22	42
	Rock-----	1	43
	Sand and gravel-----	9	52
	Clay-----	8	60

135-058-04DBD  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	6/29/68
	Topsoil-----	2	2
	Shale pebbles-----	18	20
	Sand and gravel-----	22	42
	Clay-----	3	45

135-058-04DCB  
(Log from Mann Drilling Co.)

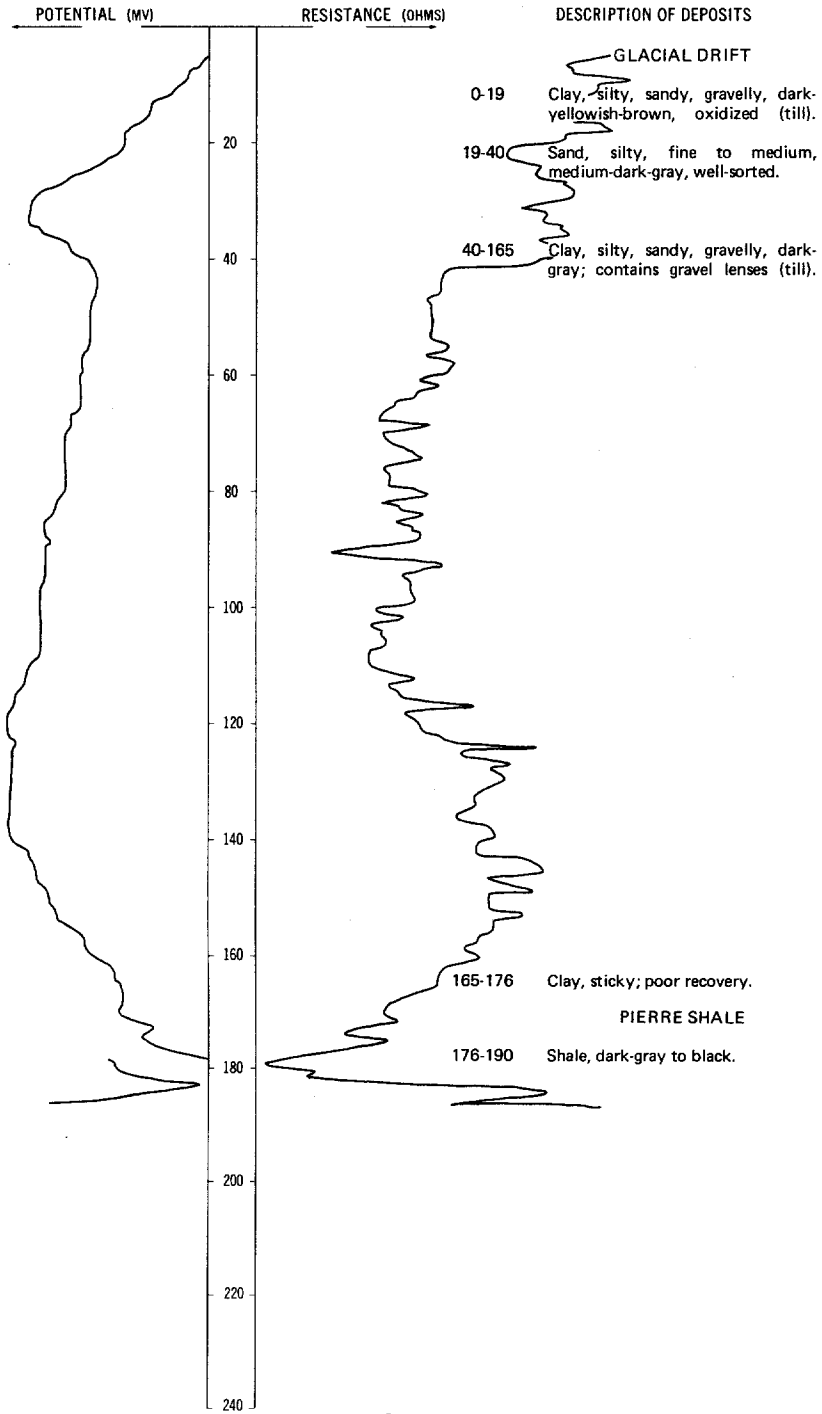
		Date drilled:	1968
	Clay, sandy, brown-----	20	20
	Sand, coarse, and gravel-----	45	65
	Shale-----	5	70

135-058-04DDA  
(Log from Empire Irrigation & Drilling Co., Inc.)

		Date drilled:	6/29/68
	Topsoil-----	2	2
	Clay, sandy-----	6	8
	Shale pebbles-----	14	22
	Sand, fine-----	16	38
	Clay-----	2	40

LOCATION: 135-058-04DDD2, 1  
ALTITUDE: 1404  
(FT, NGVD)

DATE DRILLED: 11/06/75  
DEPTH: 190  
(FT)



135-058-06CCC  
(Log from Independent Drilling Co.)

		Date drilled: 6/30/72	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Till-----	80	80
	Shale-----	540	620
Greenhorn Formation:		50	670
	Shale-----	190	860
Dakota Sandstone:		80	940
	Shale-----	255	1,195
Lakota Formation:		10	1,205

135-058-07ACC  
(Log from Independent Drilling Co.)

		Date drilled: 6/22/72	
	Till-----	140	140
	Shale-----	380	520
Greenhorn Formation:		47	567
	Shale-----	413	980
Dakota Sandstone:		80	1,060
	Shale-----	105	1,165
Lakota Formation:		50	1,215

135-058-08D  
(Log from Kamoni Water Wells)

		Date drilled: 4/15/77	
	Dirt, black-----	1	1
	Sand, dry-----	11	12
	Sand; not very clean-----	8	20
	Sand, fine-----	1	21
	Sand, coarse-----	5	26
	Clay, blue-----	4	30

135-058-09BBB  
NDSWC 9906

		Date drilled: 6/29/77	
Altitude:	1389 feet		
Glacial drift:			
	Sand, fine to medium-----	20	20
	Clay, silty, sandy, pebbly, medium-dark-gray (till)-----	40	60

135-058-12CBA  
(Log from Kamoni Well Boring)

		Date drilled: 12/04/74	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	15	17
	Sand, coarse	3	20
	Sea mud, blue-green	7	27
	Sand, semicoarse	3	30

135-058-12CCD1  
(Log from Robert Recker)

		Date drilled: 5/01/73	
	Dirt, black	4	4
	Clay, yellow	18	22
	Clay, dark-brown	15	37
	Clay, light-green	4	41
	Rock	2.6	43.6
	Clay, dark-yellowish-brown	1.4	45
	Clay, dark-brown	8	53
	Chalk, light-gray	13	66

135-058-12CCD2  
(Log from Robert Recker)

		Date drilled: 5/17/73	
	Dirt, black	7	7
	Sand and gravel	1	8
	Clay, brown	5	13
	Gravel, coarse	5	18
	Clay, yellow	4	22
	Sand and gravel	11	33
	Clay, blue	7	40
	Gravel, coarse	7	47
	Sand, fine, and light-gray clay	16	63
	Clay, white, and sand	12	75

135-058-13BBB  
(Log from Robert Recker)

		Date drilled: 5/05/73	
	Dirt, black	4	4
	Clay, yellow	15	19
	Clay, brown	8	27
	Clay, sandy	1	28
	Clay, dark-brown	11	39
	Clay, light-blue	7	46
	Clay, dark-green	8	54
	Clay, light-gray	10	64
	Chalk, with sand	5	69

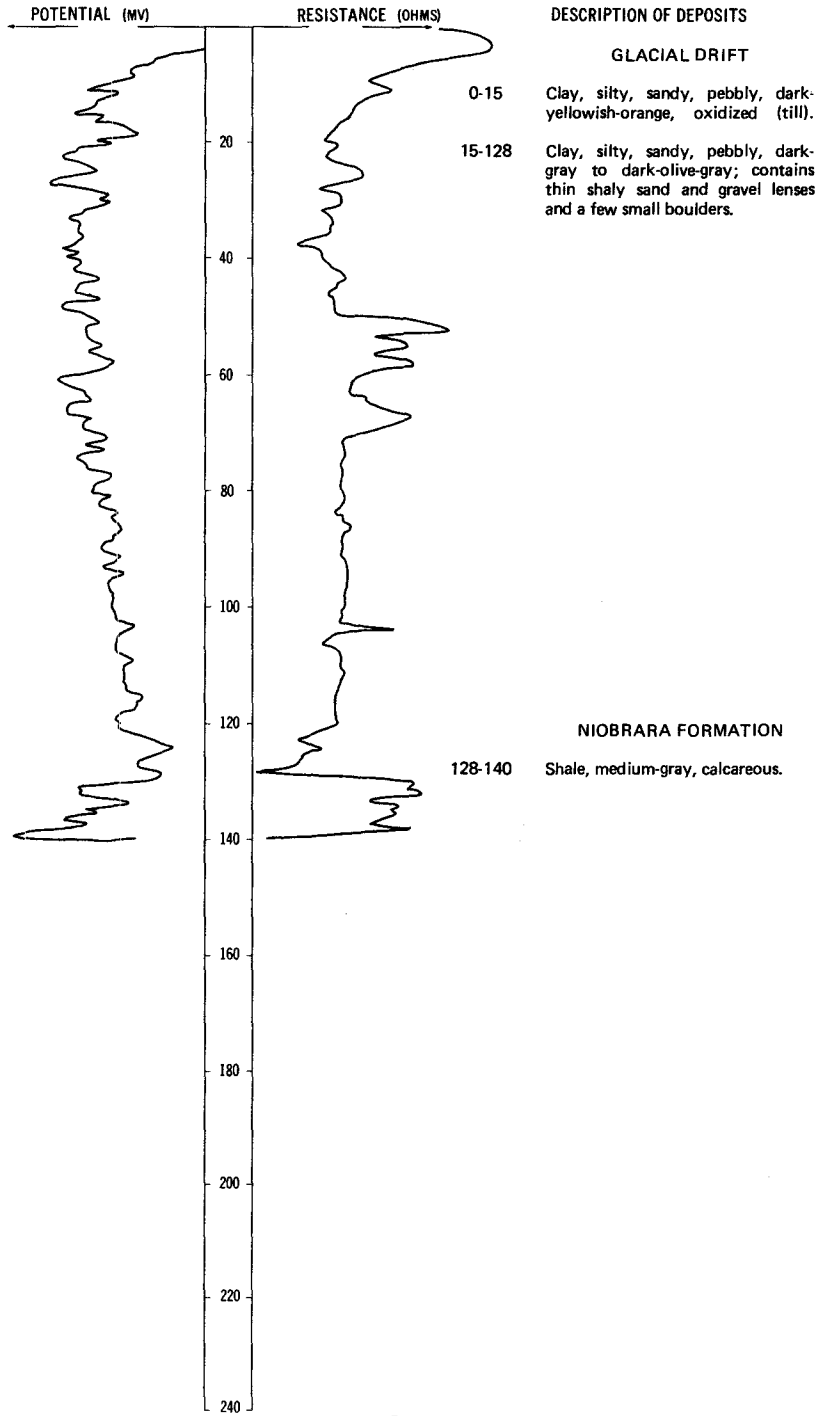
NDSWC 9224

LOCATION: 135-058-14AAA

DATE DRILLED: 11/19/74

ALTITUDE: 1345  
(FT, NGVD)

DEPTH: 140  
(FT)

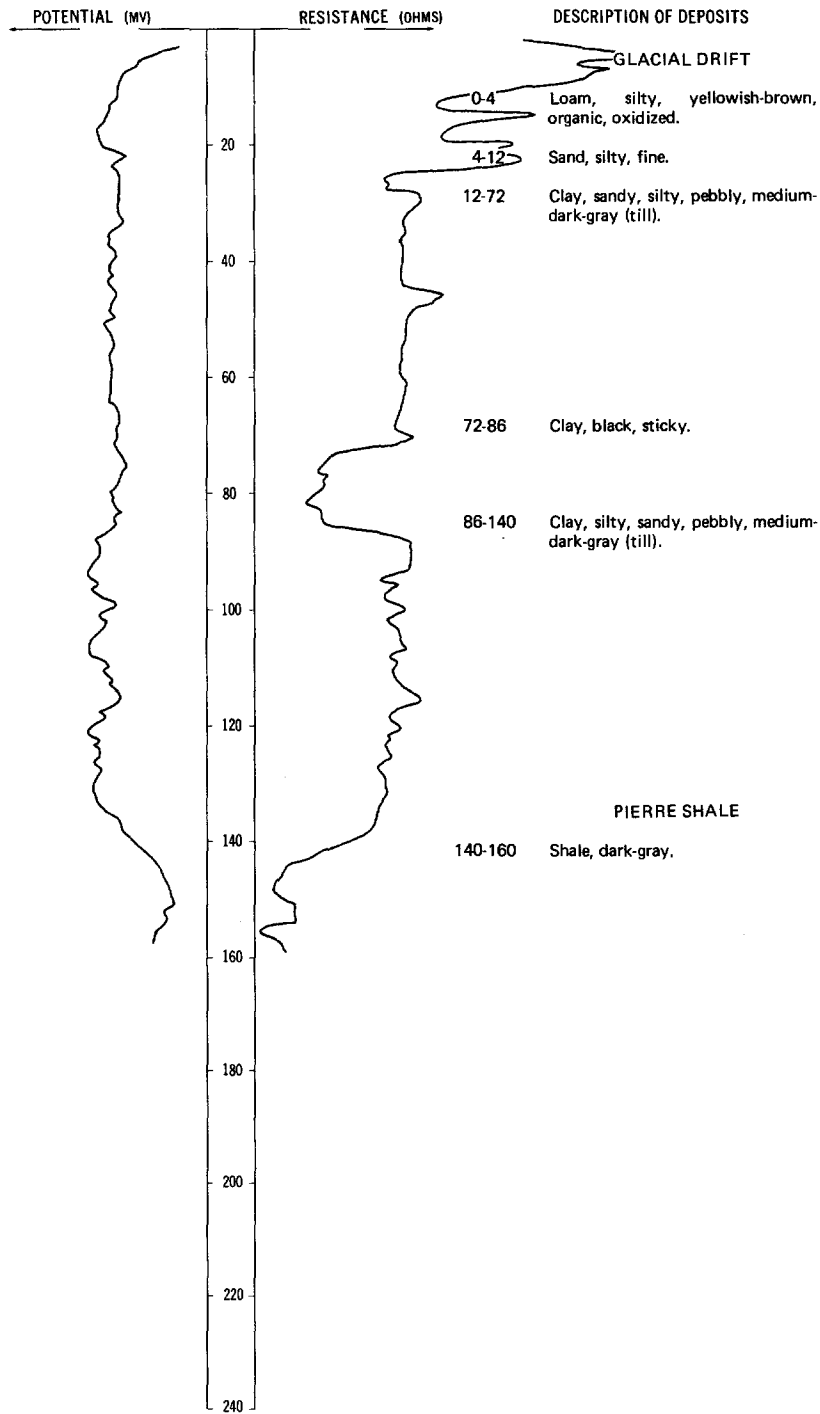


LOCATION: 135-058-19DDC

DATE DRILLED: 8/11/77

ALTITUDE: 1370  
(FT, NGVD)

DEPTH: 160  
(FT)

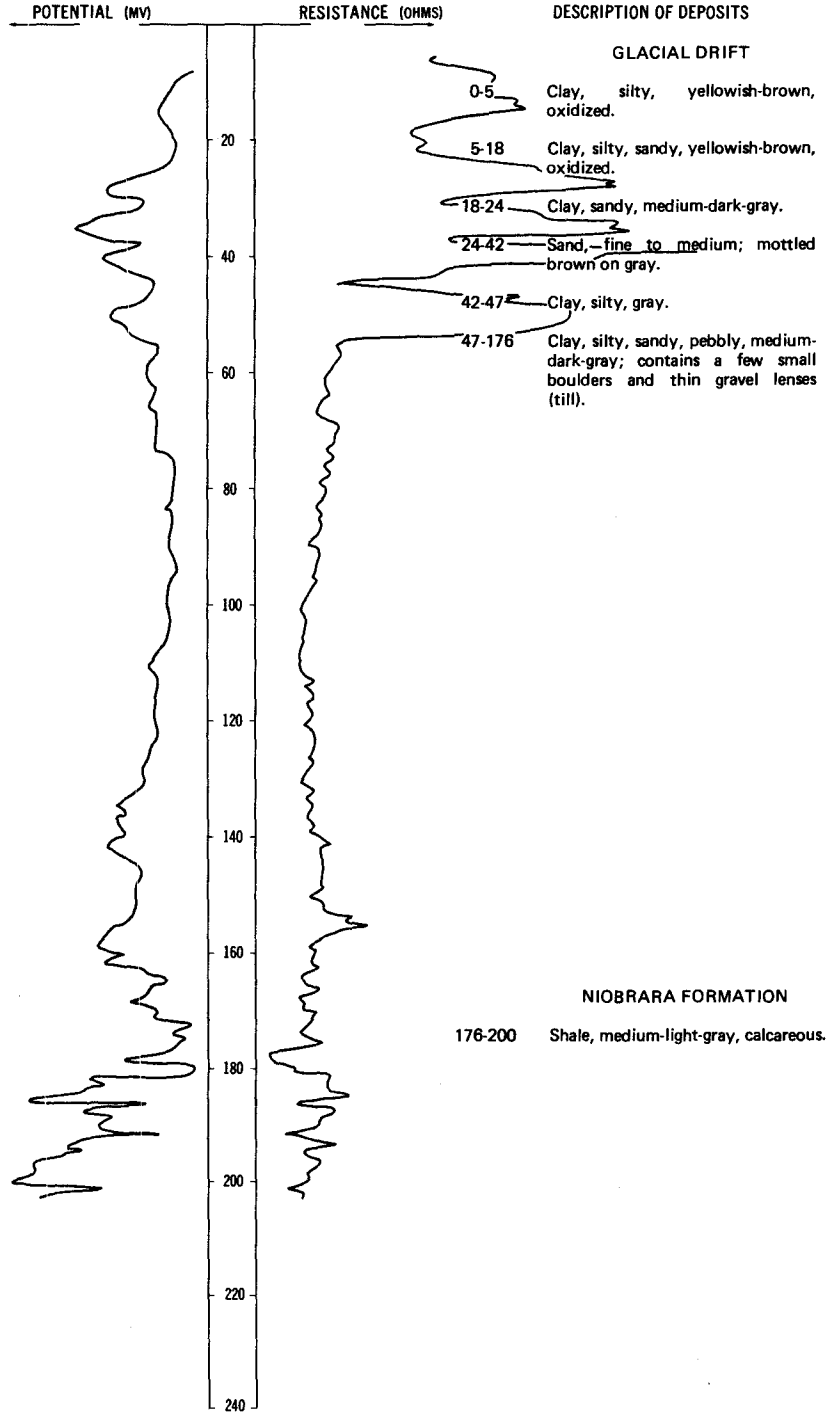


LOCATION: 135-058-21DDD

DATE DRILLED: 6/29/77

ALTITUDE: 1395  
(FT, NGVD)

DEPTH: 200  
(FT)



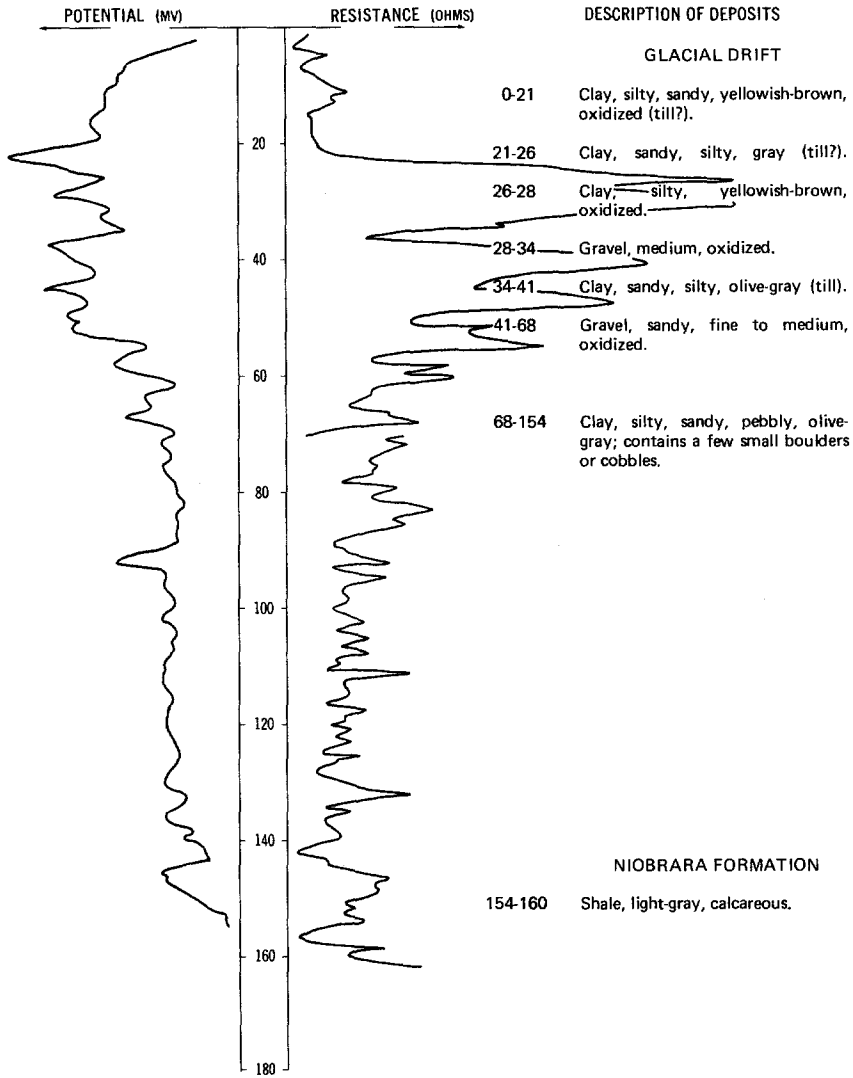


LOCATION: 135-058-24CCC

DATE DRILLED: 6/30/77

ALTITUDE: 1375  
(FT, NGVD)

DEPTH: 160  
(FT)



135-058-26BAA  
NDSWC 9922

Altitude: 1333 feet

Date drilled: 8/12/77

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET) DEPTH (FEET)

Glacial drift:

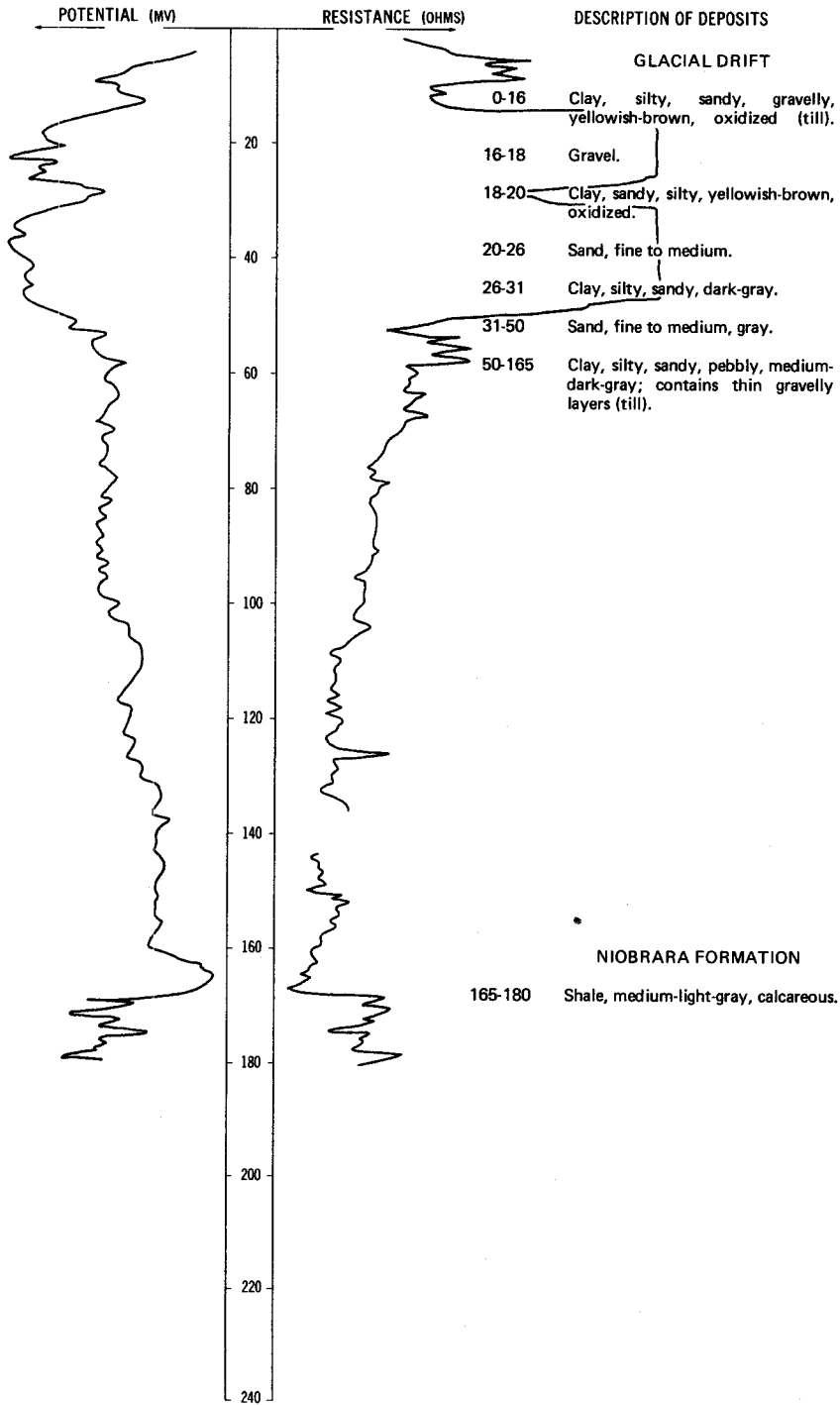
Silt, pebbly, organic	1	1
Gravel, medium to coarse, oxidized	9	10
Gravel, medium to coarse	25	35
Clay, silty, sandy, pebbly, olive-gray (till)	5	40

LOCATION: 135-058-268BB

DATE DRILLED: 6/30/77

ALTITUDE: 1382  
(FT, NGVD)

DEPTH: 180  
(FT)



135-058-26DDA  
(Log from Kamoni Well Boring)

Date drilled: 7/13/74

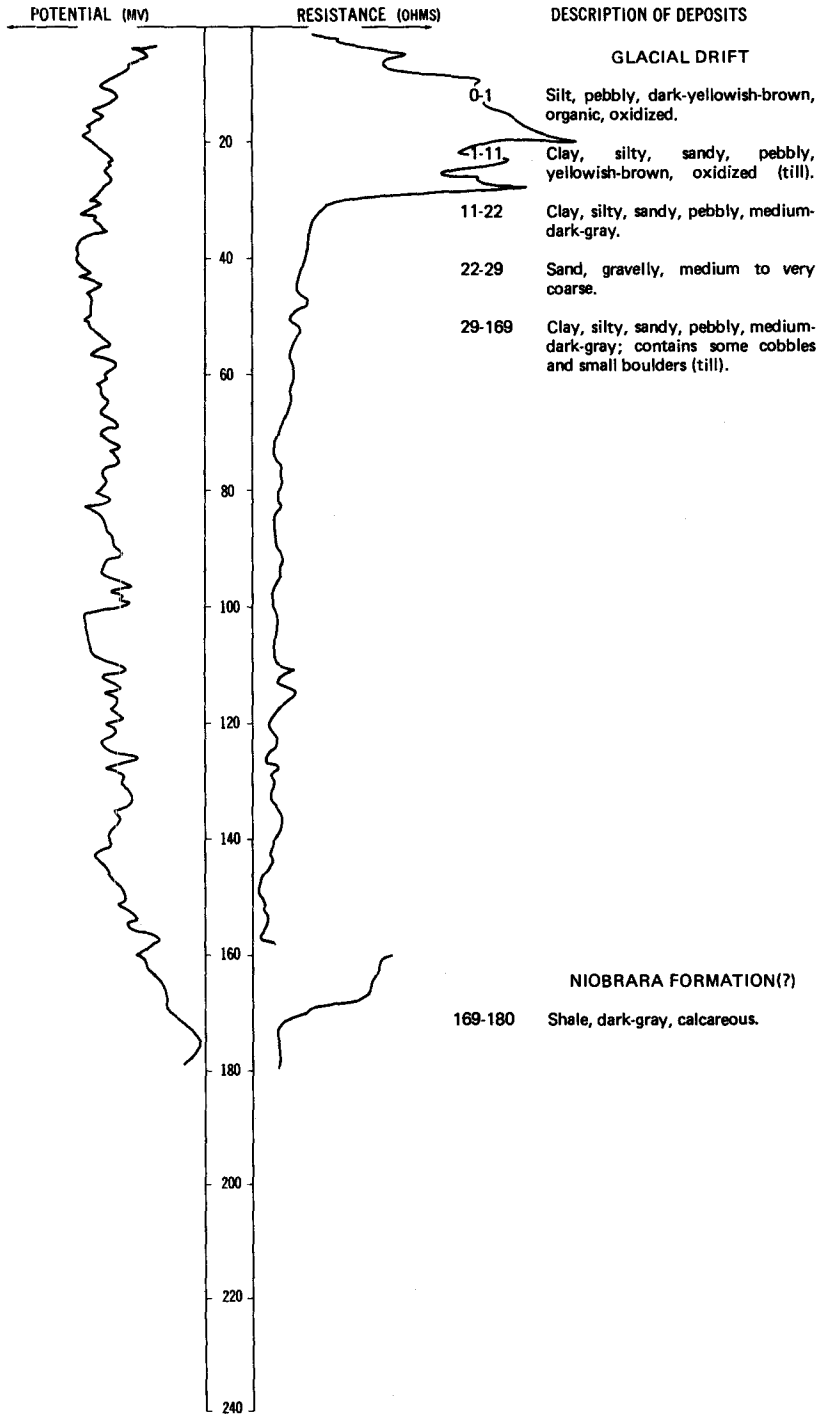
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	2	2
	Clay, yellow-----	28	30
	Clay, blue-----	10	40
	Sand, coarse, clean; with some larger stones at bottom about size of hen's eggs-----	5	45

LOCATION: 135-058-288BB

DATE DRILLED: 8/11/77

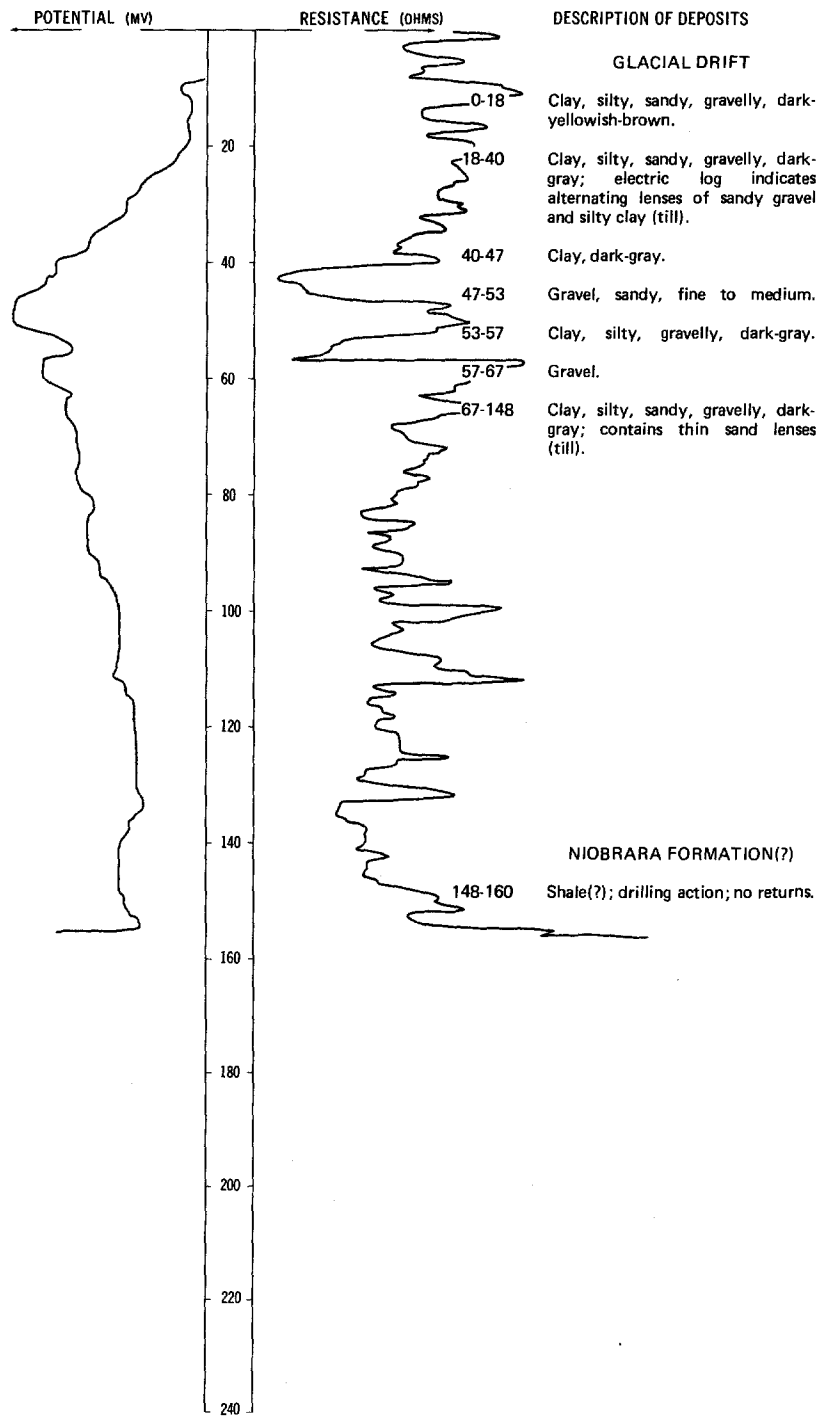
ALTITUDE: 1389  
(FT, NGVD)

DEPTH: 180  
(FT)



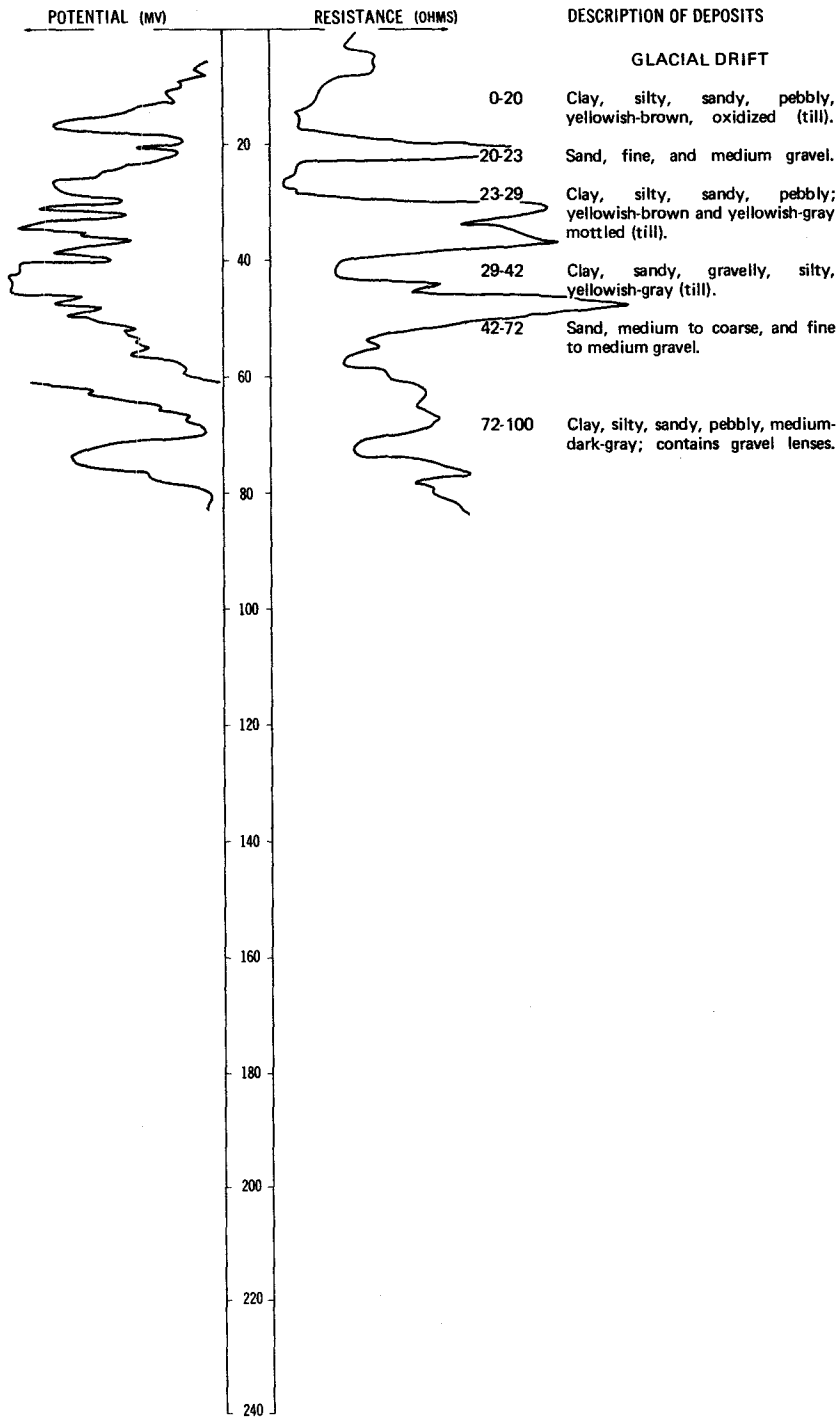
LOCATION: 135-058-35DDD  
ALTITUDE: 1359  
(FT, NGVD)

DATE DRILLED: 11/05/75  
DEPTH: 160  
(FT)



LOCATION: 135-058-36CDD  
ALTITUDE: 1377  
(FT, NGVD)

DATE DRILLED: 8/16/77  
DEPTH: 100  
(FT)

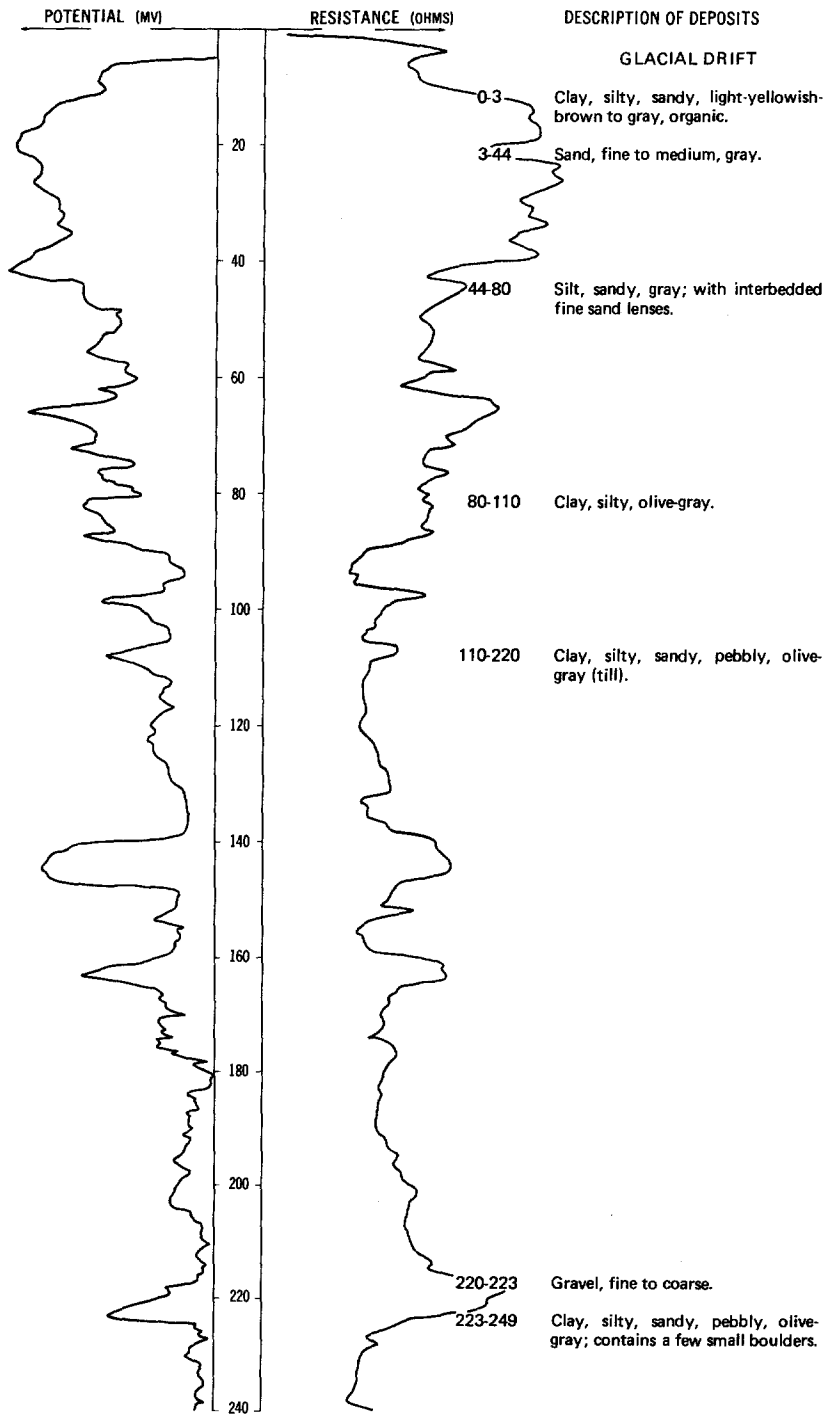


LOCATION: 136-053-21DDD1, 2

DATE DRILLED: 8/31/72

ALTITUDE: 1062  
(FT, NGVD)

DEPTH: 340  
(FT)

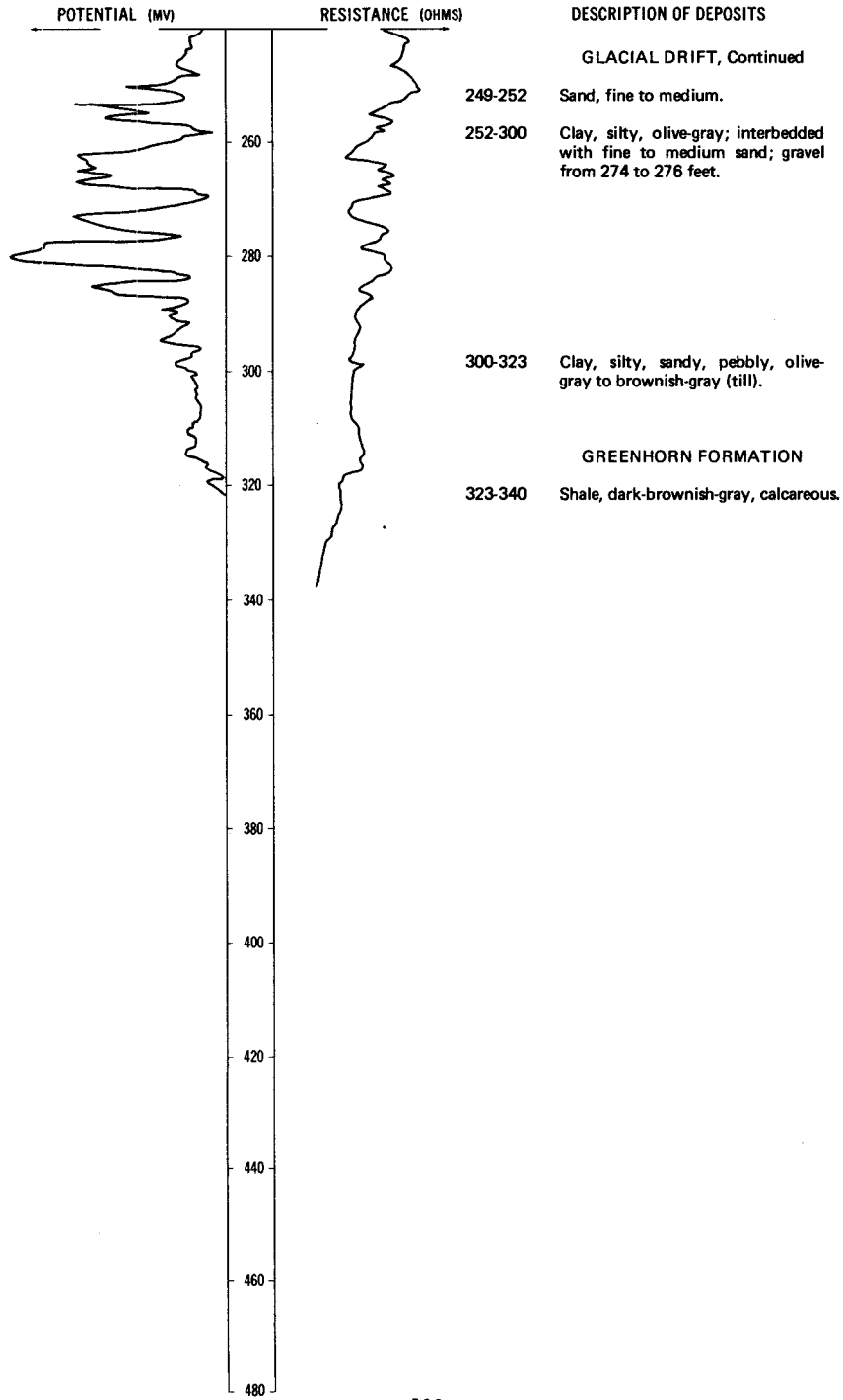


LOCATION: 136-053-21DDD1, 2

DATE DRILLED: 8/31/72

ALTITUDE: 1062  
(FT, NGVD)

DEPTH: 340  
(FT)



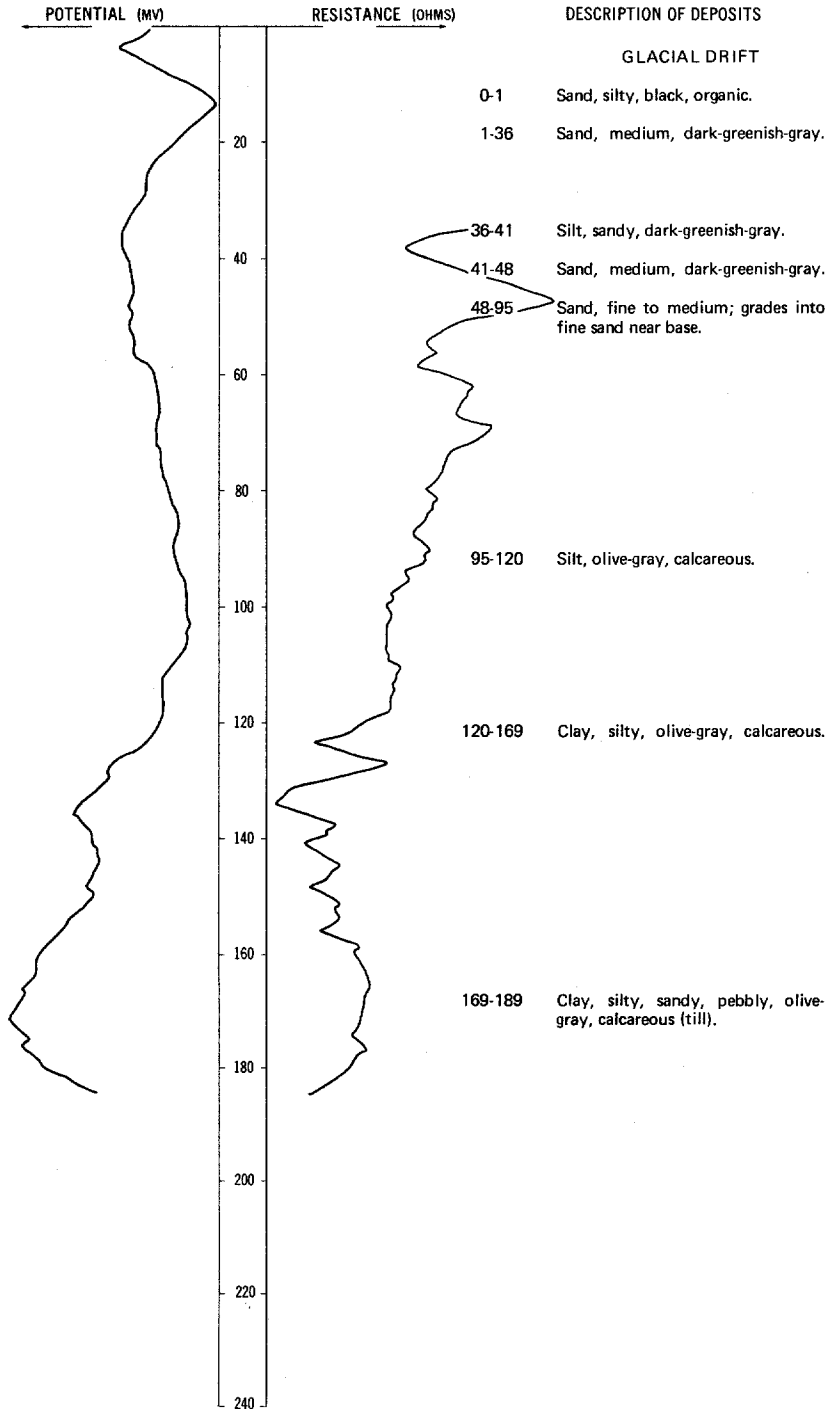


LOCATION: 136-053-25AAA1, 2

DATE DRILLED: 10/08/63

ALTITUDE: 1059  
(FT, NGVD)

DEPTH: 189  
(FT)

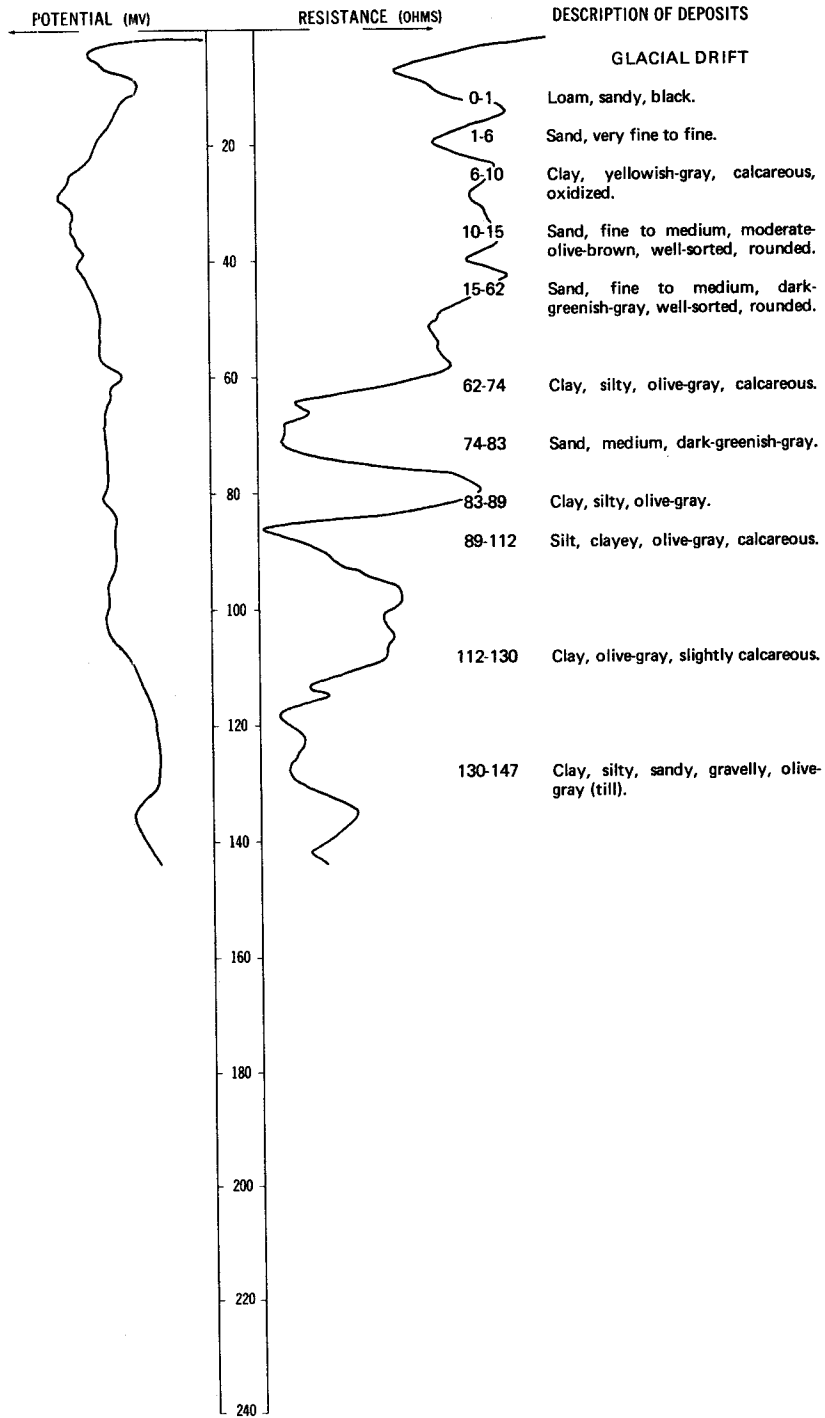


LOCATION: 136-053-29AAA1, 2

DATE DRILLED: 10/14/63

ALTITUDE: 1069  
(FT, NGVD)

DEPTH: 147  
(FT)



136-053-30CAA  
(Log from Frederickson's Inc.)

Date drilled: 7/26/72

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, sandy, brown	1	1
	Sand, brown	11	12
	Sand, blue	50	62
	Sand; with clay lenses, blue	26	88
	Clay, sandy, soft, blue	7	95
	Clay, sandy, blue	89	184
	Rock	1	185
	Clay, sandy; and shale, blue-black	10	195
	Sand, blue	7	202
	Clay, sandy; and shale, blue	29	231
	Shale, black	146	377
	Rock	4	381
	Shale, black	51	432
	Sand, fine, gray	15	447
	Shale, black	4	451
	Sand, gray	7	458
	Shale; with sand and rock, black	13	471
	Rock	1	472
	Shale, black	6	478
	Sand, brown	6	484
	Shale, black	19	503
	Sand, gray	14	517
	Shale, black	2	519
	Sand, gray	17	536
	Shale, black	3	539
	Sand, gray	4	543
	Shale, black	5	548

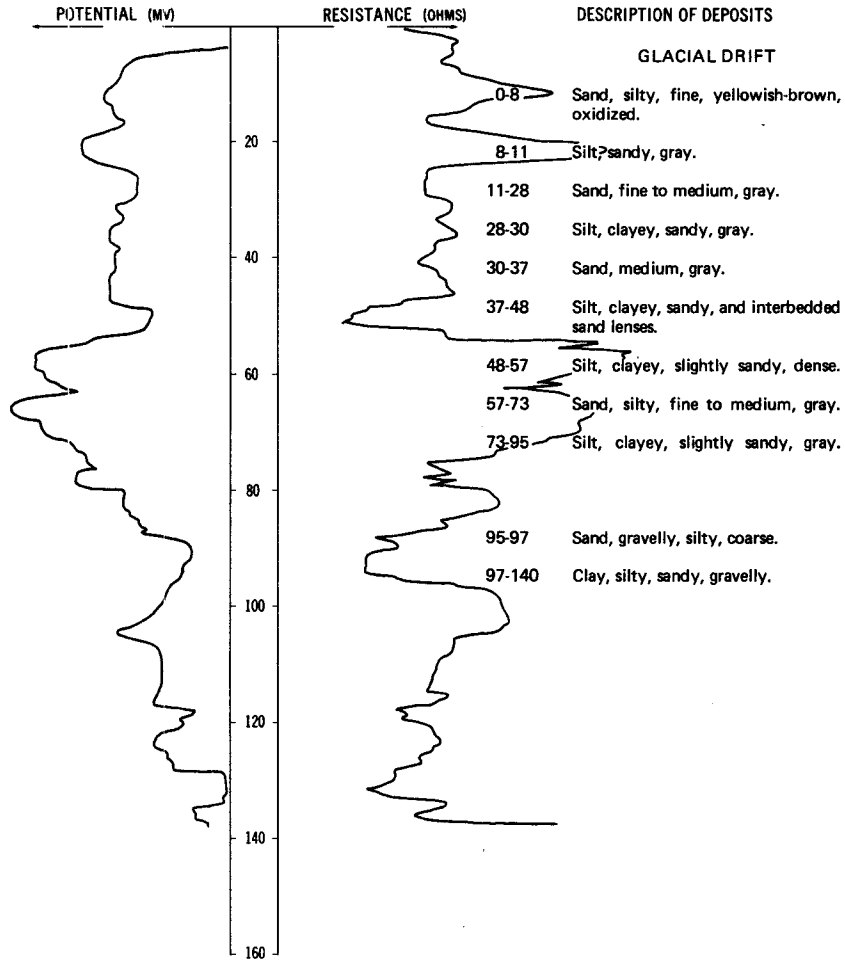
NDSWC 8468

LOCATION: 136-053-33ADD

DATE DRILLED: 9/01/72

ALTITUDE: 1060  
(FT, NGVD)

DEPTH: 140  
(FT)



136-054-06ABB  
(Log from Kamoni Well Boring)

Date drilled: 5/29/73

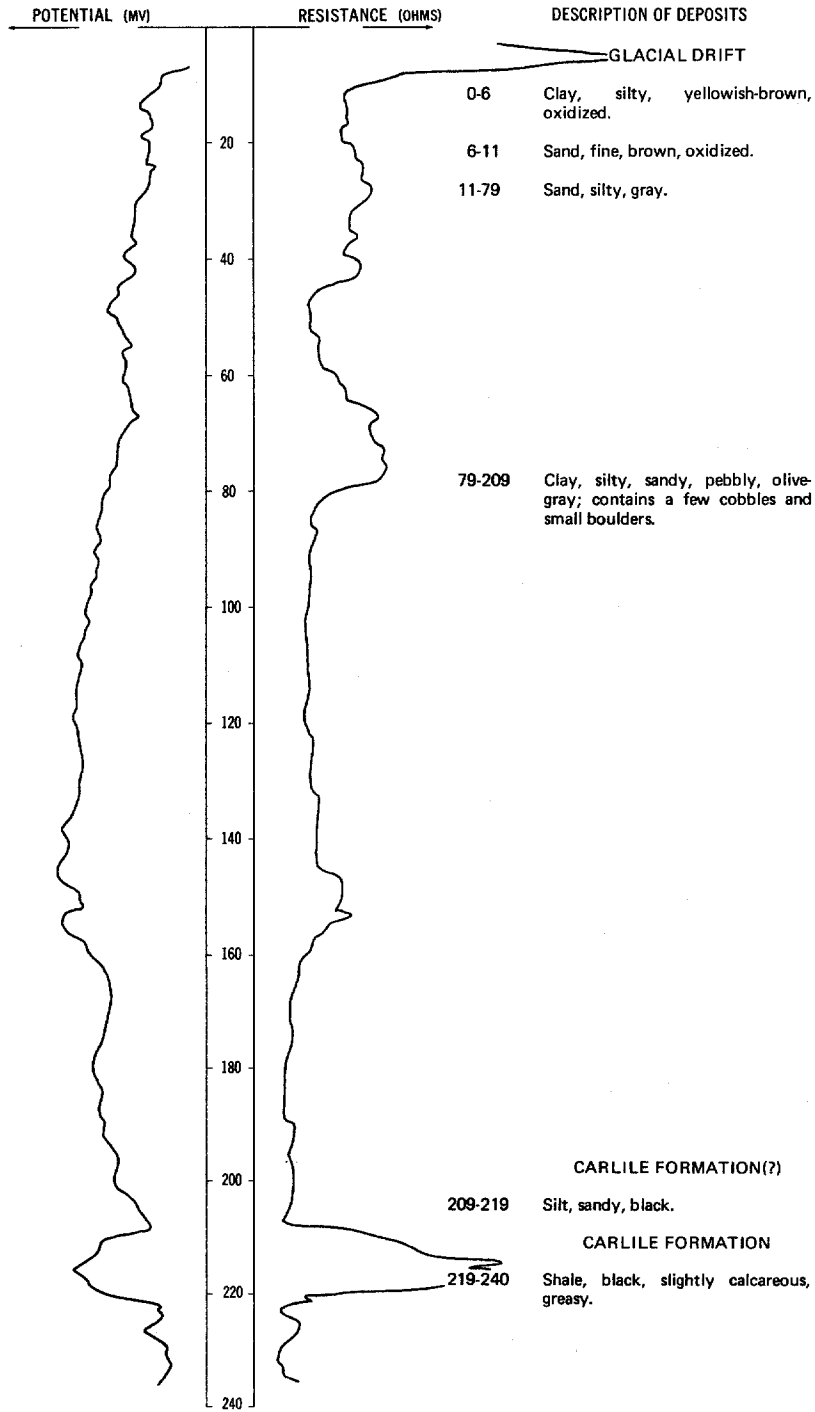
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	16	18
	Clay, blue	6	24
	Sand, semifine	1	25
	Sea mud, soft	5	30

LOCATION: 136-054-09BBB

DATE DRILLED: 10/13/77

ALTITUDE: 1071  
(FT, NGVD)

DEPTH: 240  
(FT)



136-054-13CCC  
(Log from Frederickson's Inc.)

		Date drilled: 1/17/73	
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black	1	1
	Clay, sandy, silty, yellow	15	16
	Clay, soft, blue	25	41
	Clay, sandy, hard, blue	117	158
	Clay, sandy, blue; with lenses of sand	8	166
	Clay, sandy, hard, blue	67	233
	Shale, black	116	349
	Shale limestone beds, black	18	367
	Shale, black	64	431
	Shale; with sandstone lenses, white	12	443
	Shale, black	23	466
	Sandstone, white	5	471
	Shale, black-white	6	477
	Sandstone, white	10	487
	Shale, black-white	34	521
	Shale; with lenses of sandstone, white	4	525
	Sandstone, white	8	533
	Shale, white	7	540
	Sandstone, white	15	555
	Shale, black-white	8	563

136-054-20BAA  
(Log from Kamoni Well Boring)

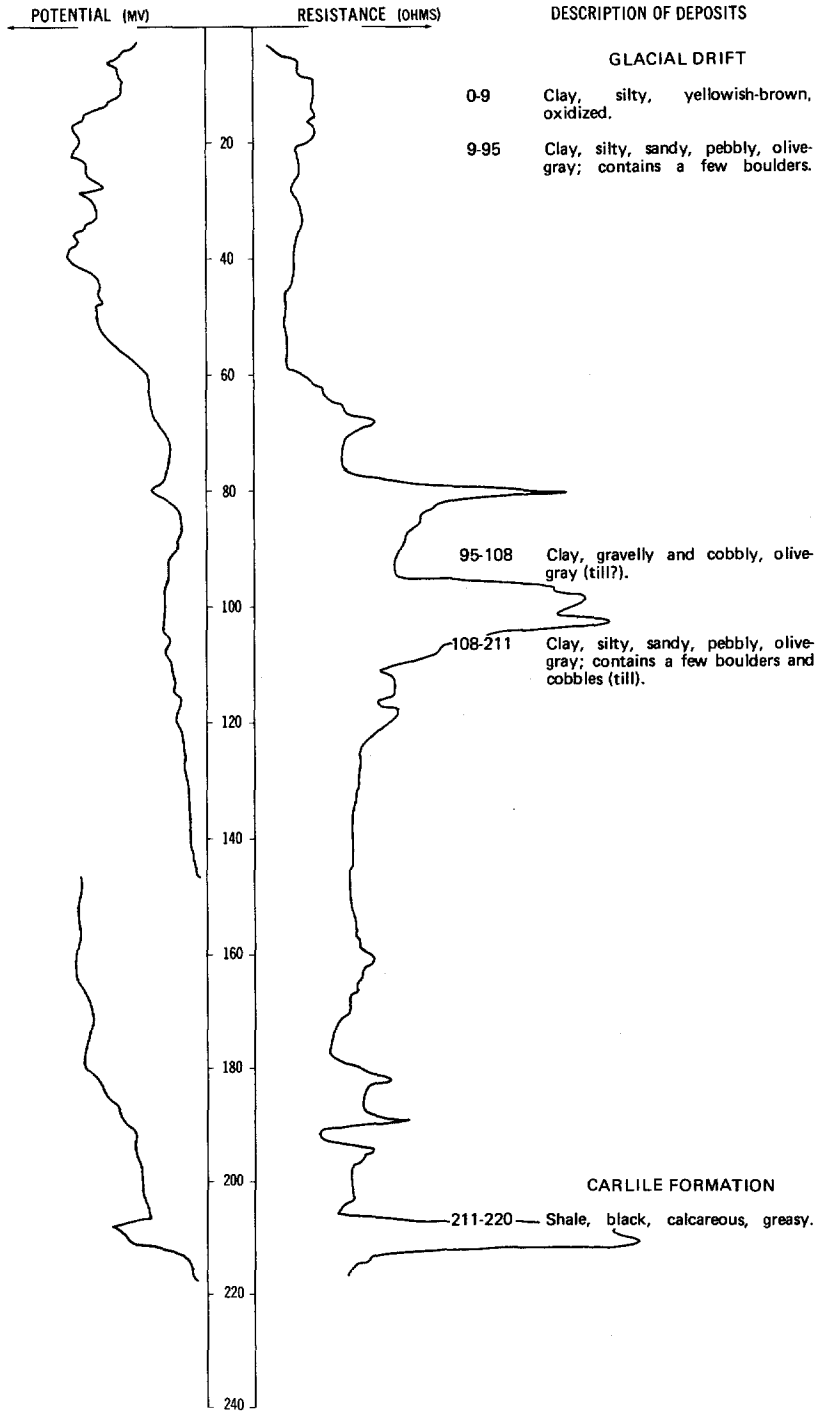
		Date drilled: 6/18/75	
	Dirt, black	2	2
	Clay, yellow	4	6
	Sand, yellow	12	18
	Quicksand, blue	14	32
	Sand, semifine	6	38

LOCATION: 136-054-22BBB

DATE DRILLED: 10/13/77

ALTITUDE: 1070  
(FT, NGVD)

DEPTH: 220  
(FT)

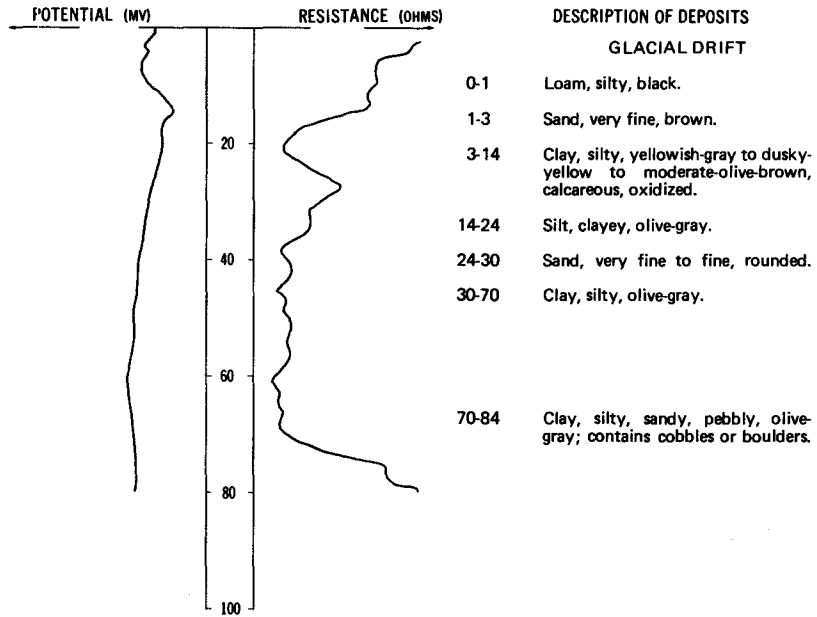


LOCATION: 136-054-22DDD

DATE DRILLED: 10/15/63

ALTITUDE: 1070  
(FT, NGVD)

DEPTH: 84  
(FT)



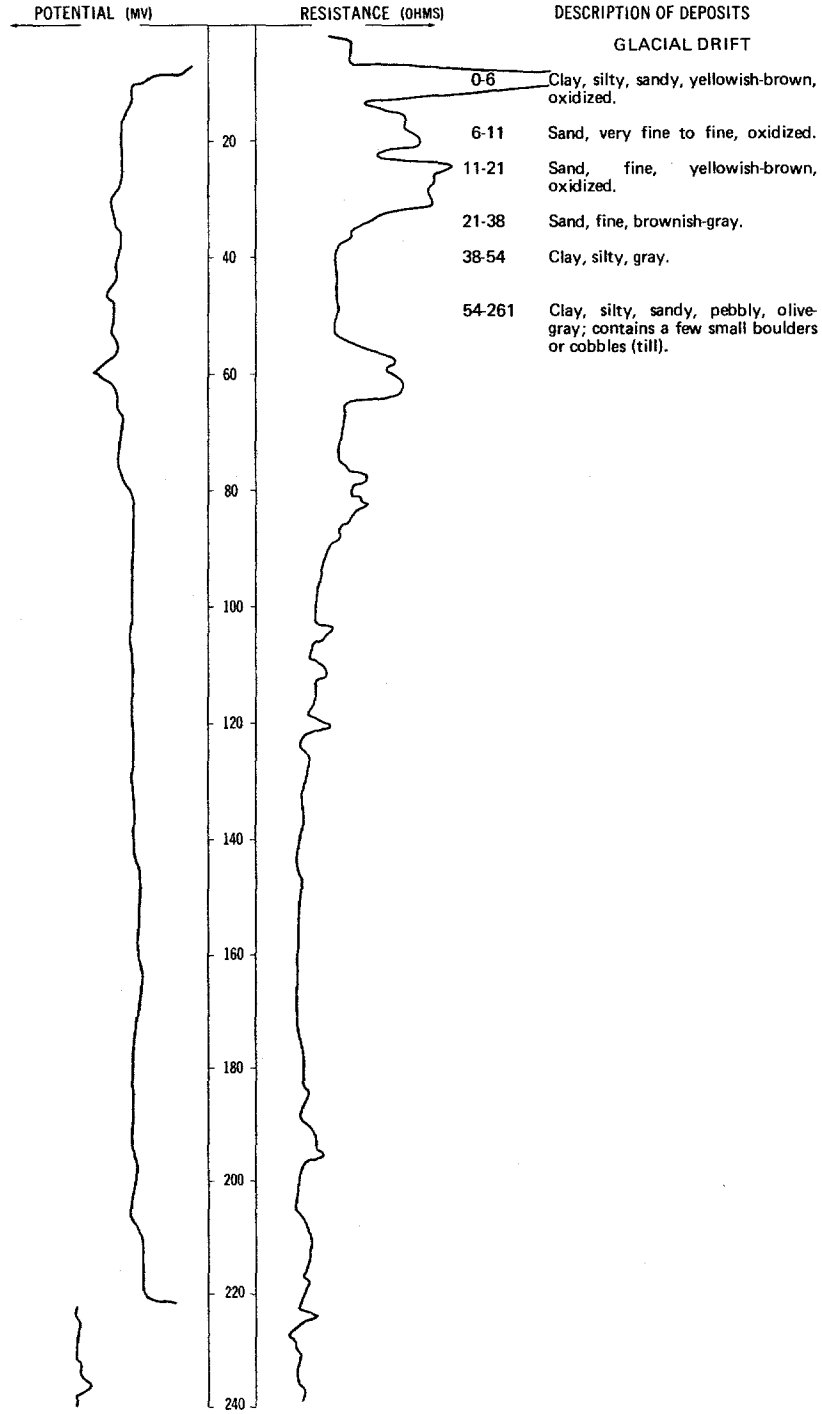
136-054-24CBB  
(Log from Kamoni Well Boring)

		Date drilled: 4/16/74		
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)	
	Dirt, black	2	2	
	Clay, yellow	12	14	
	Quicksand	3	17	
	Clay, blue	4	21	



LOCATION: 136-054-28CCC1. 2  
ALTITUDE: 1084  
(FT, NGVD)

DATE DRILLED: 10/12/77  
DEPTH: 271  
(FT)

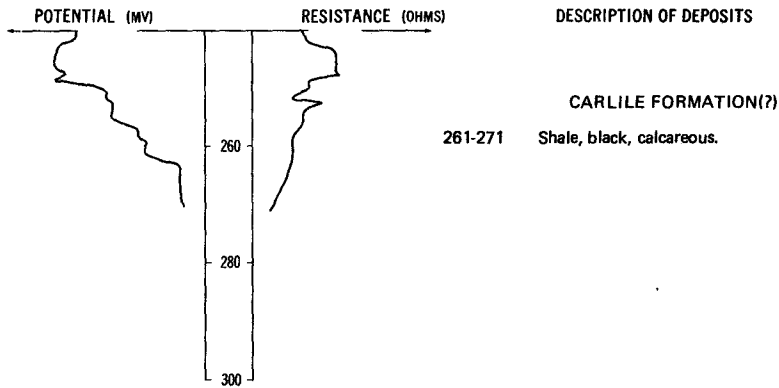


LOCATION: 136-054-28CCC1, 2

DATE DRILLED: 10/12/77

ALTITUDE: 1084  
(FT, NGVD)

DEPTH: 271  
(FT)



136-054-29CAC1  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 1968

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil.....	2	2
	Clay, sandy.....	18	20
	Sand, fine.....	18	38
	Clay.....	2	40

136-054-29CAC2  
(Log from Empire Irrigation & Drilling Co., Inc.)

Date drilled: 1968

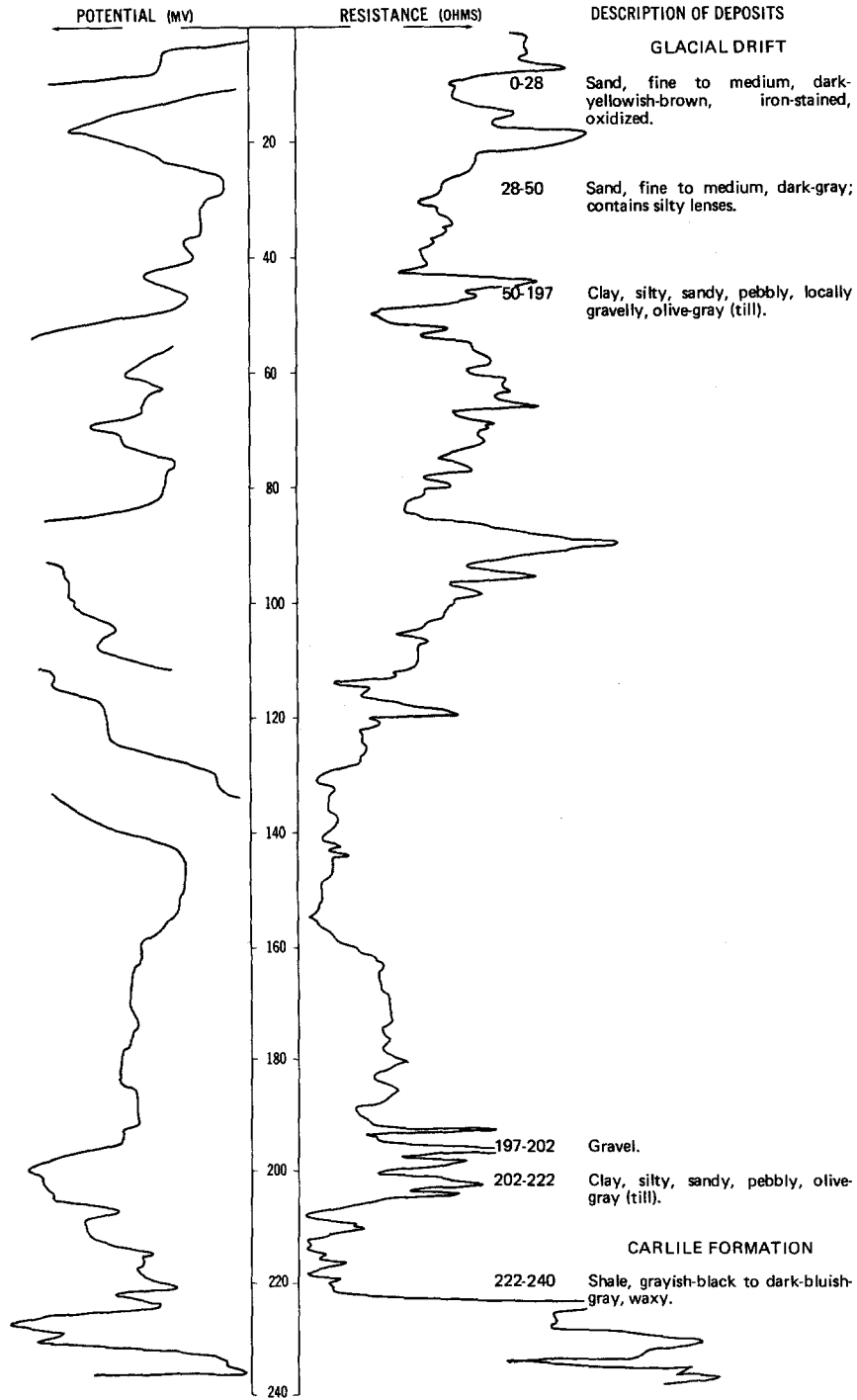
	Topsoil.....	2	2
	Clay, sandy.....	18	20
	Sand and gravel.....	15	35
	Clay.....	25	60

LOCATION: 136-054-32CCC

DATE DRILLED: 10/29/75

ALTITUDE: 1085  
(FT, NGVD)

DEPTH: 240  
(FT)

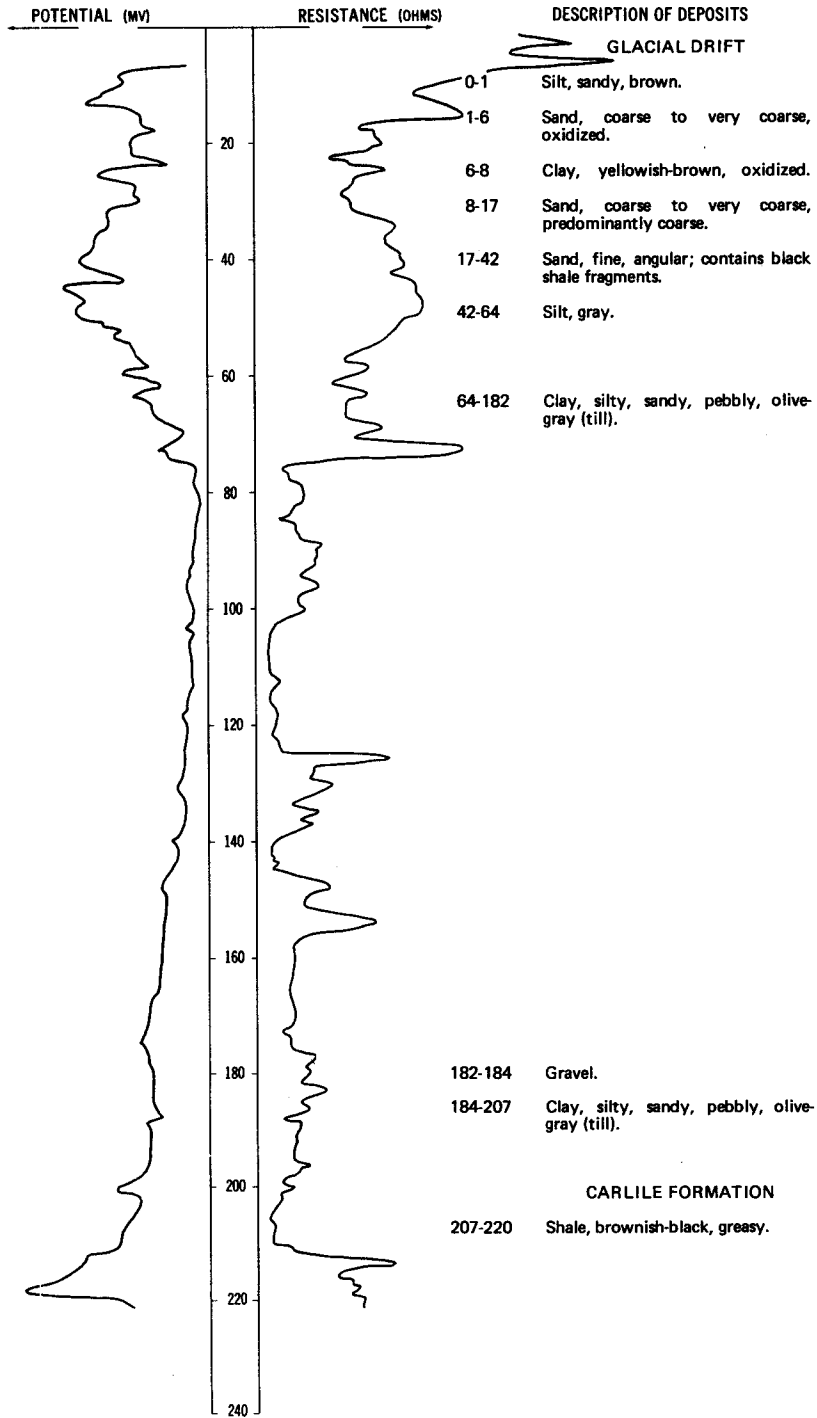


LOCATION: 136-055-03DAD

DATE DRILLED: 6/15/77

ALTITUDE: 1070  
(FT, NGVD)

DEPTH: 220  
(FT)



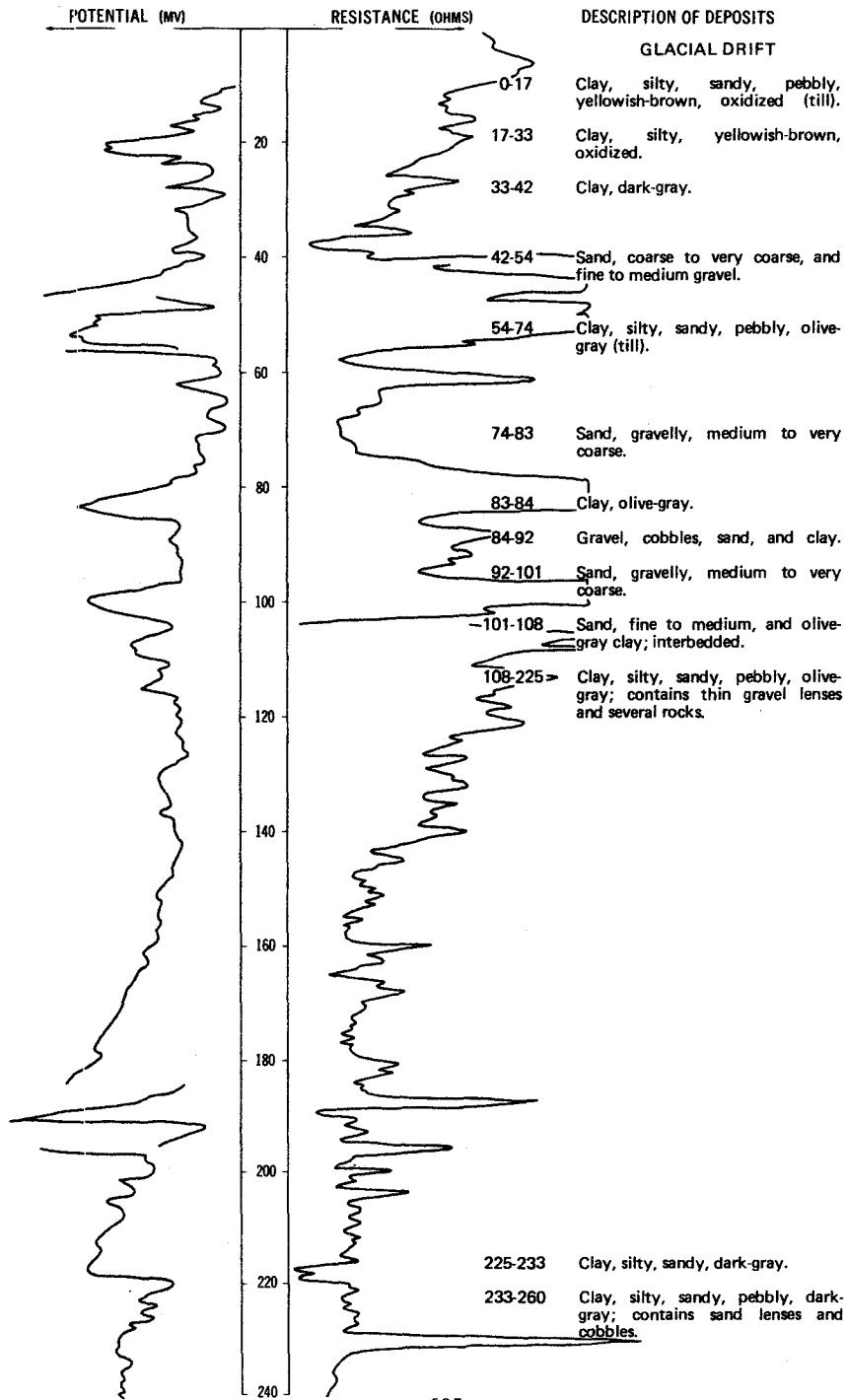
136-055-048BA  
(Log from Jerry's Well Drilling)

Date drilled: 10/30/75

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, yellow-----	10	10
	Clay, yellow, and sand; mixed-----	15	25
	Clay, yellow; turning to blue-----	20	45
	Clay, blue-----	14	59
	Gravel and shale chips, clean-----	10	69
	Clay, blue-----	---	69

LOCATION: 136-055-06DDD  
 ALTITUDE: 1155  
 (FT. NGVD)

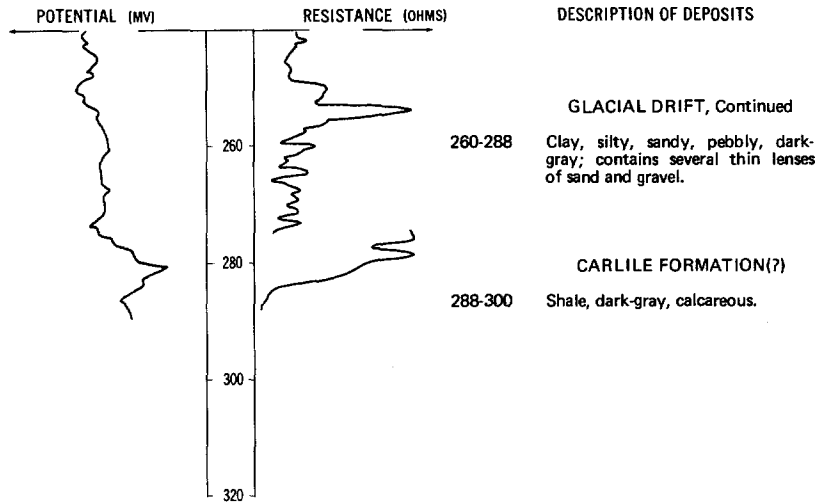
DATE DRILLED: 6/22/77  
 DEPTH: 300  
 (FT)



NDSWC 9893, Continued

LOCATION: 136-055-06DDD  
 ALTITUDE: 1155  
 (FT, NGVD)

DATE DRILLED: 6/22/77  
 DEPTH: 300  
 (FT)



136-055-07ABB  
 Enderlin No. 4  
 (Log from L. Froelich)

Date drilled: 6/25/63

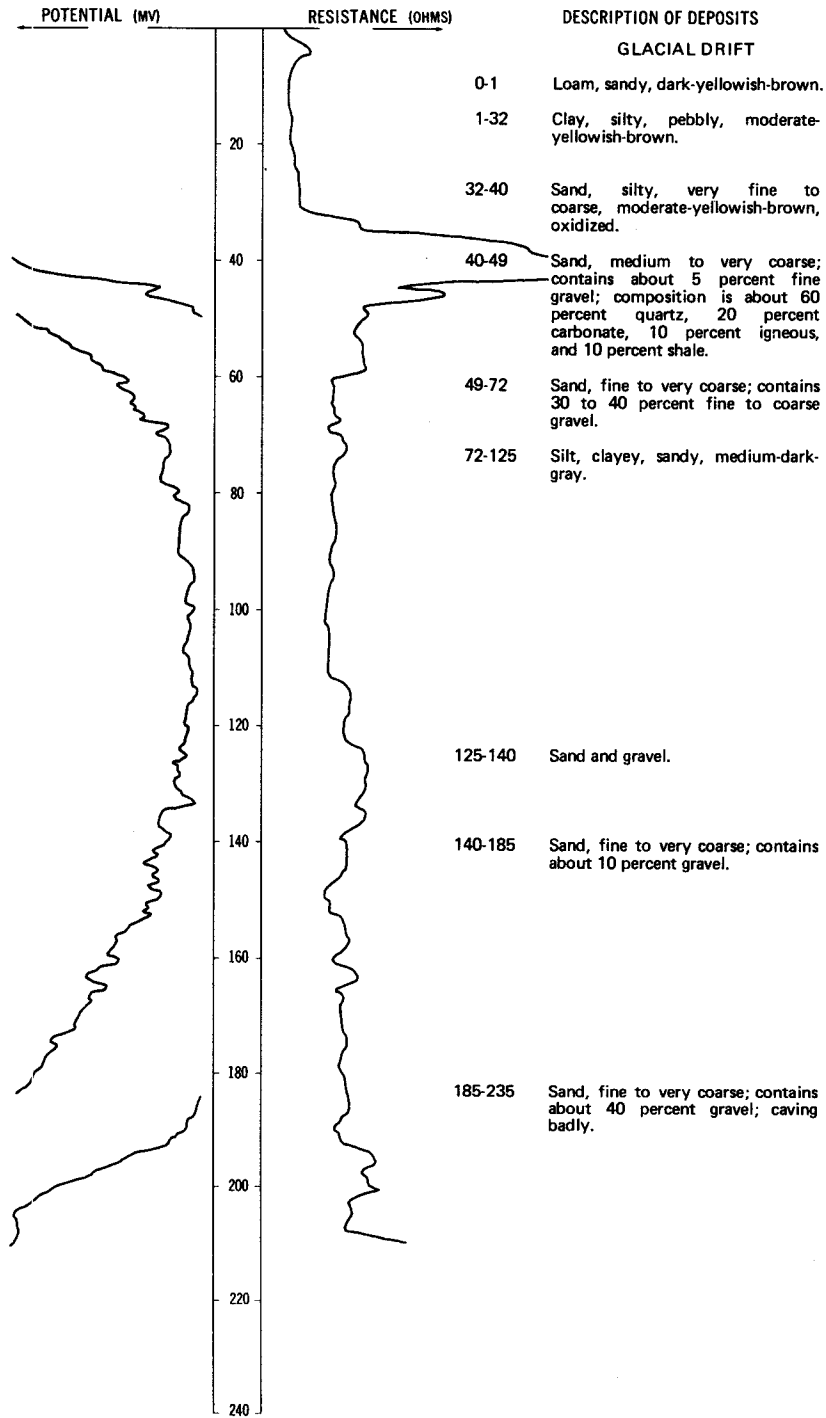
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam, clayey, silty, black-----	3	3
	Clay, silty to very sandy, yellowish-gray-----	2	5
	Clay, sandy, gravelly, yellowish-gray to olive-gray (with depth)-----	5	10
	Sand, fine, olive-gray, friable; contains some pebbles; fairly friable; moderately cohesive-----	10	20
	Clay, sandy, pebbly, and sand and gravel stringers; olive- gray; moderately soft to tightly consolidated; calcareous-----	20	40
	Silt, olive-gray, calcareous, soft, smooth, cohesive-----	10+	50+
	Sand, clayey, olive-gray, calcareous, moderately consolidated-----	13-	63

LOCATION: 136-055-09AAA

DATE DRILLED: 11/18/74

ALTITUDE: 1129  
(FT, NGVD)

DEPTH: 235  
(FT)





136-055-09CAB  
Enderlin No. 3  
(Log from L. Froelich)

Date drilled: 6/24/63

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Loam, silty, black-----	1	1
	Clay, silty to sandy, yellowish-gray to dusky-yellow, calcareous, oxidized-----	9	10
	Clay, sandy, and silt-----	10	20
	Clay, sandy, and silt to sand; medium to coarse and fine to coarse gravel, brownish-red; rounded; oxidized-----	10	30
	Sand, medium to coarse, and fine to coarse gravel-----	20	50
	Sand, medium to coarse, and fine to coarse gravel to olive-gray calcareous silt-----	10	60
	Clay, silty, olive-gray, to very sandy olive-gray clay-----	10	70
	Clay, sandy, to clayey sand; olive-gray-----	10	80
	Clay, sandy, and silt-----	14	94

136-055-09CDB  
Enderlin No. 2  
(Log from L. Froelich)

Date drilled: 6/24/63

Glacial drift:			
	Loam, silty, black-----	3	3
	Clay, silty, yellowish-gray to brownish-black, calcareous-----	7	10
	Silt, clayey, moderate-olive-brown to light-olive-gray, calcareous-----	10	20
	Clay, silty, sandy, pebbly, olive-gray; contains clayey silt lenses (till)-----	43	63

136-055-12BBB2  
(Log from Jerry's Well Drilling)

Date drilled: 4/15/66

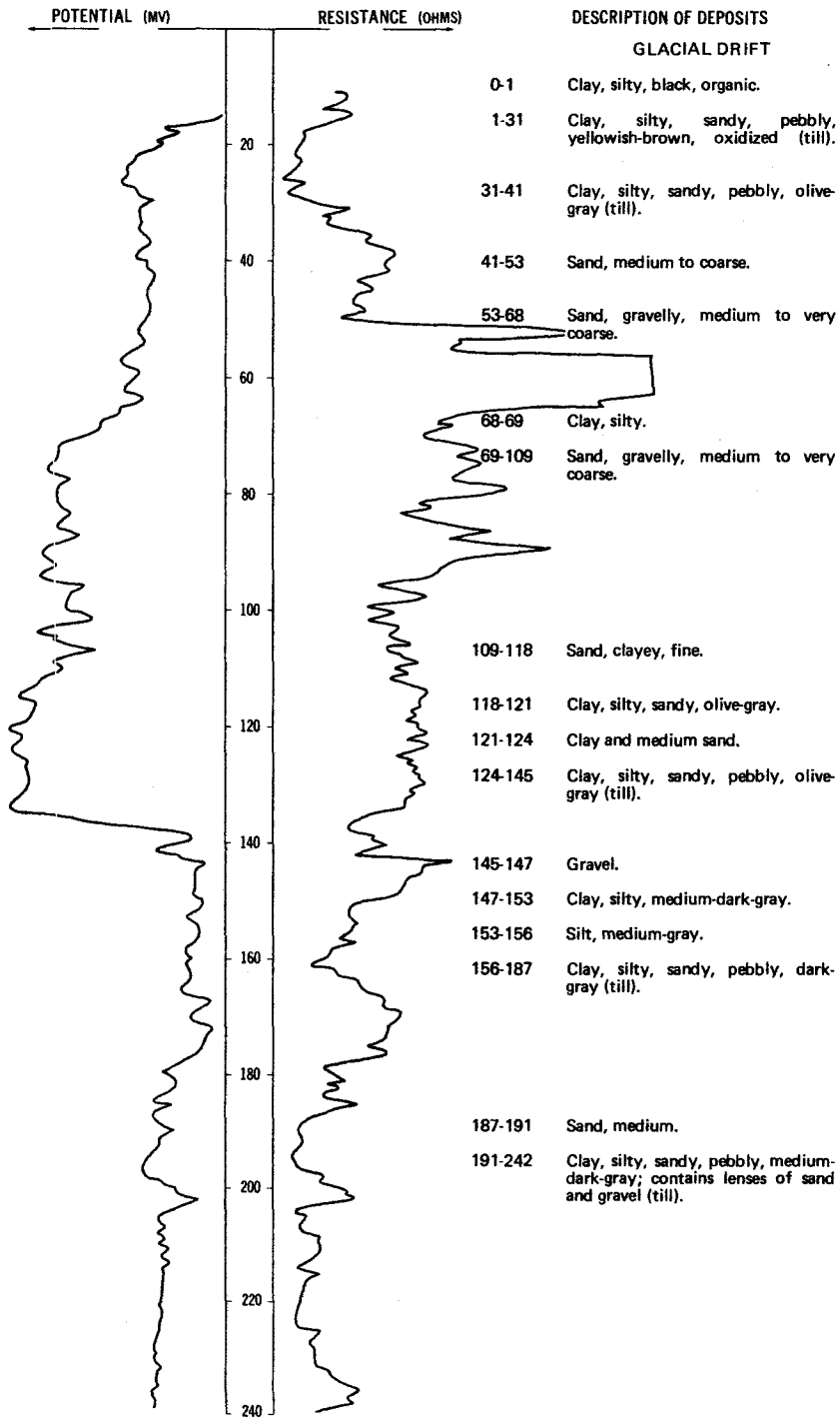
	Dirt, black-----	4	4
	Clay, yellow-----	6	10
	Sand, fine-----	8	18
	Clay, blue-----	2	20
	Sand, fine, yellow-----	14	34

LOCATION: 136-055-17CCC1, 2

DATE DRILLED: 6/16/77

ALTITUDE: 1155  
(FT, NGVD)

DEPTH: 340  
(FT)

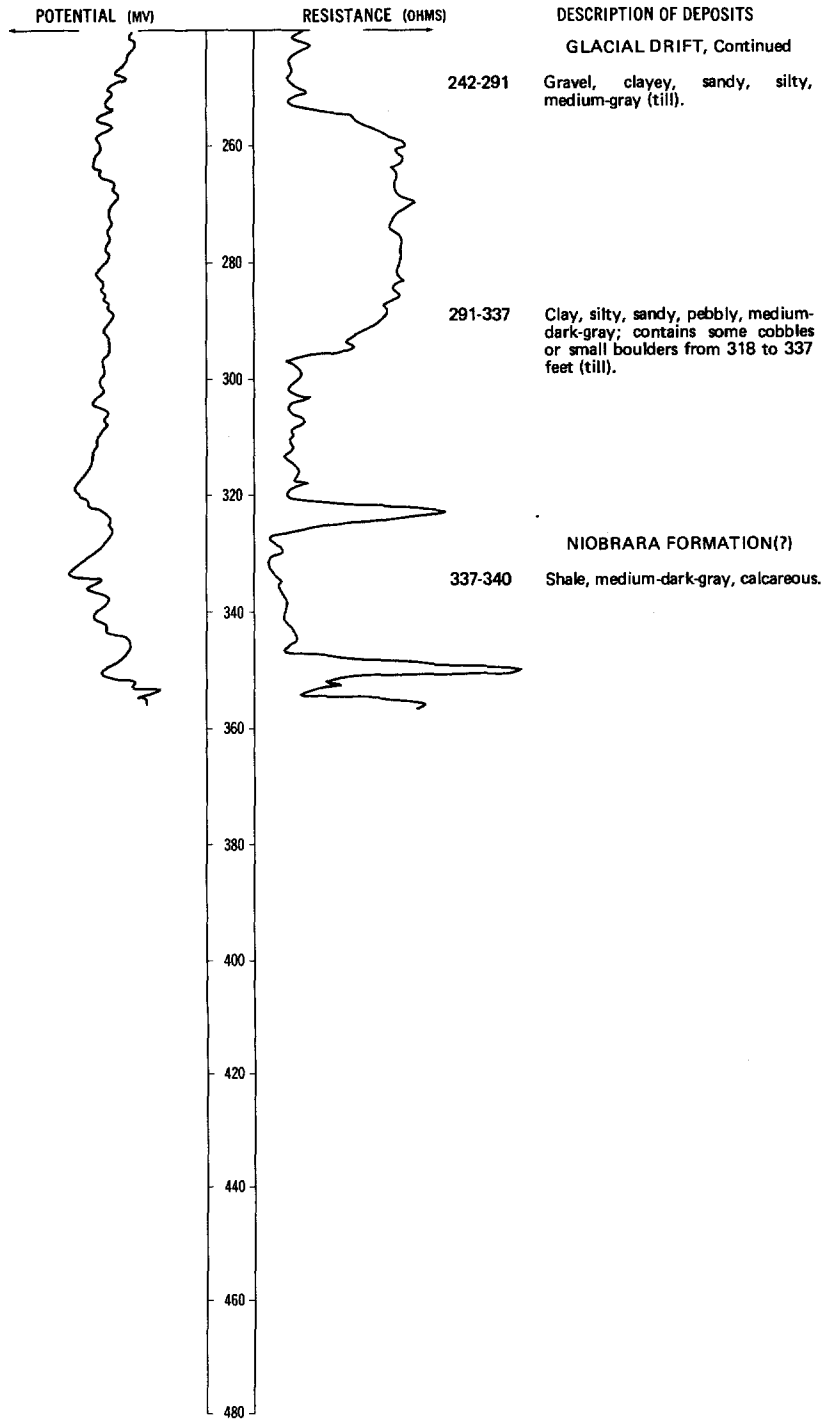


LOCATION: 136-055-17CCC1. 2

DATE DRILLED: 6/16/77

ALTITUDE: 1155  
(FT, NGVD)

DEPTH: 340  
(FT)

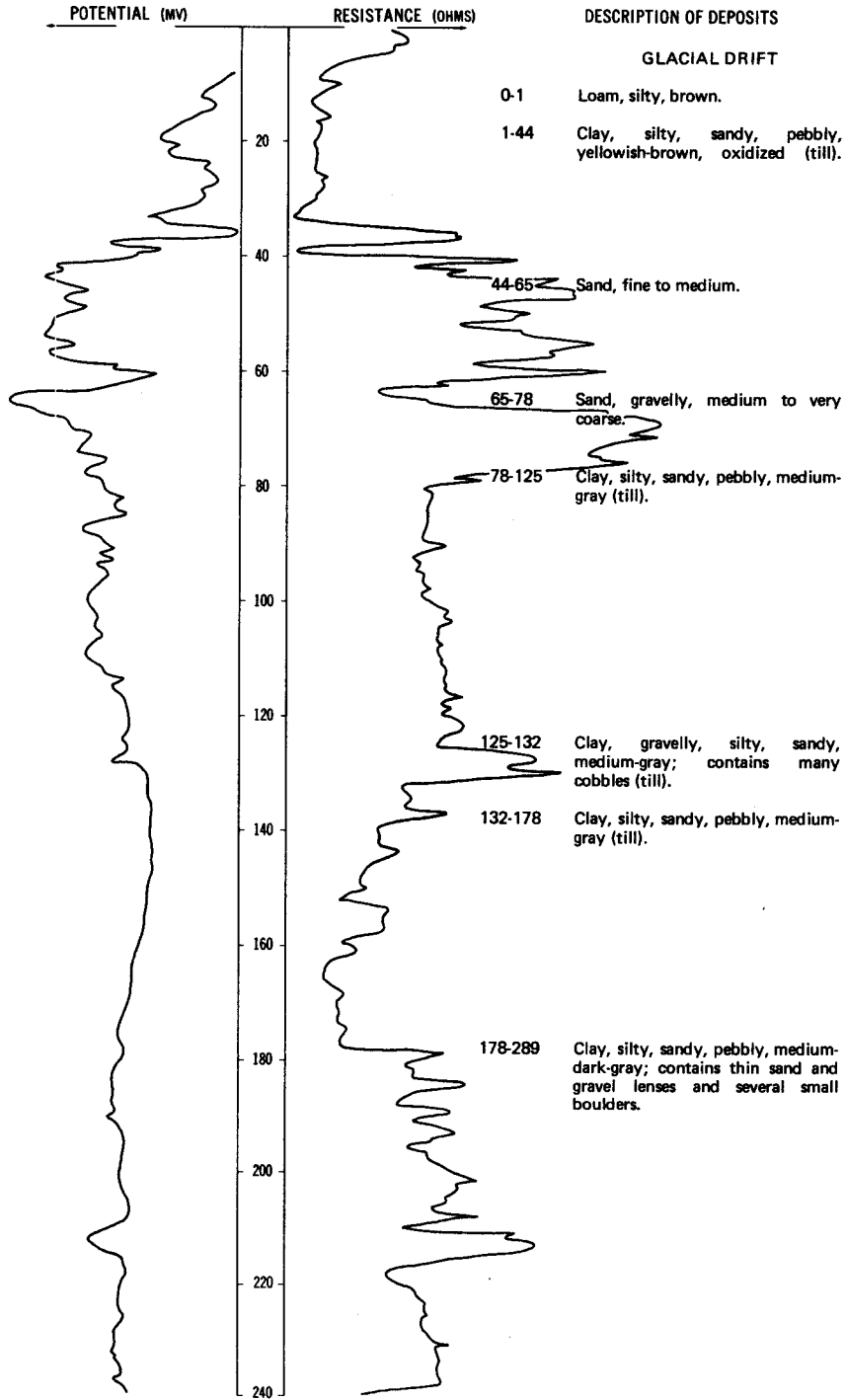


LOCATION: 136-055-21AAA1, 2

DATE DRILLED: 6/16/77

ALTITUDE: 1030  
(FT, NGVD)

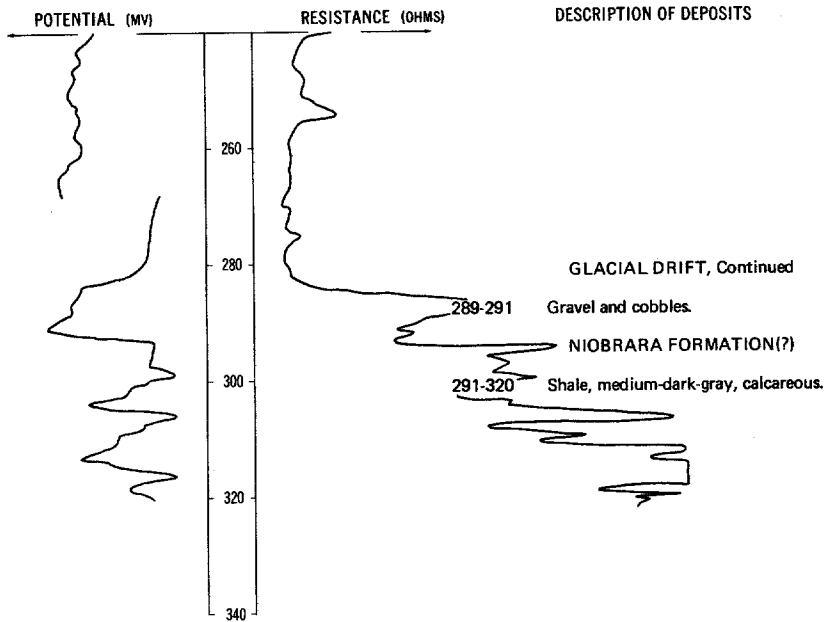
DEPTH: 320  
(FT)



NDSWC 9891, 9891A, Continued

LOCATION: 136-055-21AAA1, 2  
 ALTITUDE: 1030  
 (FT, NGVD)

DATE DRILLED: 6/16/77  
 DEPTH: 320  
 (FT)



136-055-22CCC  
 (Log from Robert Recker)

Date drilled: 6/21/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	5	5
	Clay, yellow	15	20
	Clay, brown	6	26
	Clay, blue	20	46
	Sand, fine	4	50
	Clay, blue	1	51
	Sand, fine	4	55
	Clay, blue	8	63
	Sand and gravel	9	72

136-055-27BBC  
 (Log from Lewis Buhr)

Date drilled: 5/06/73

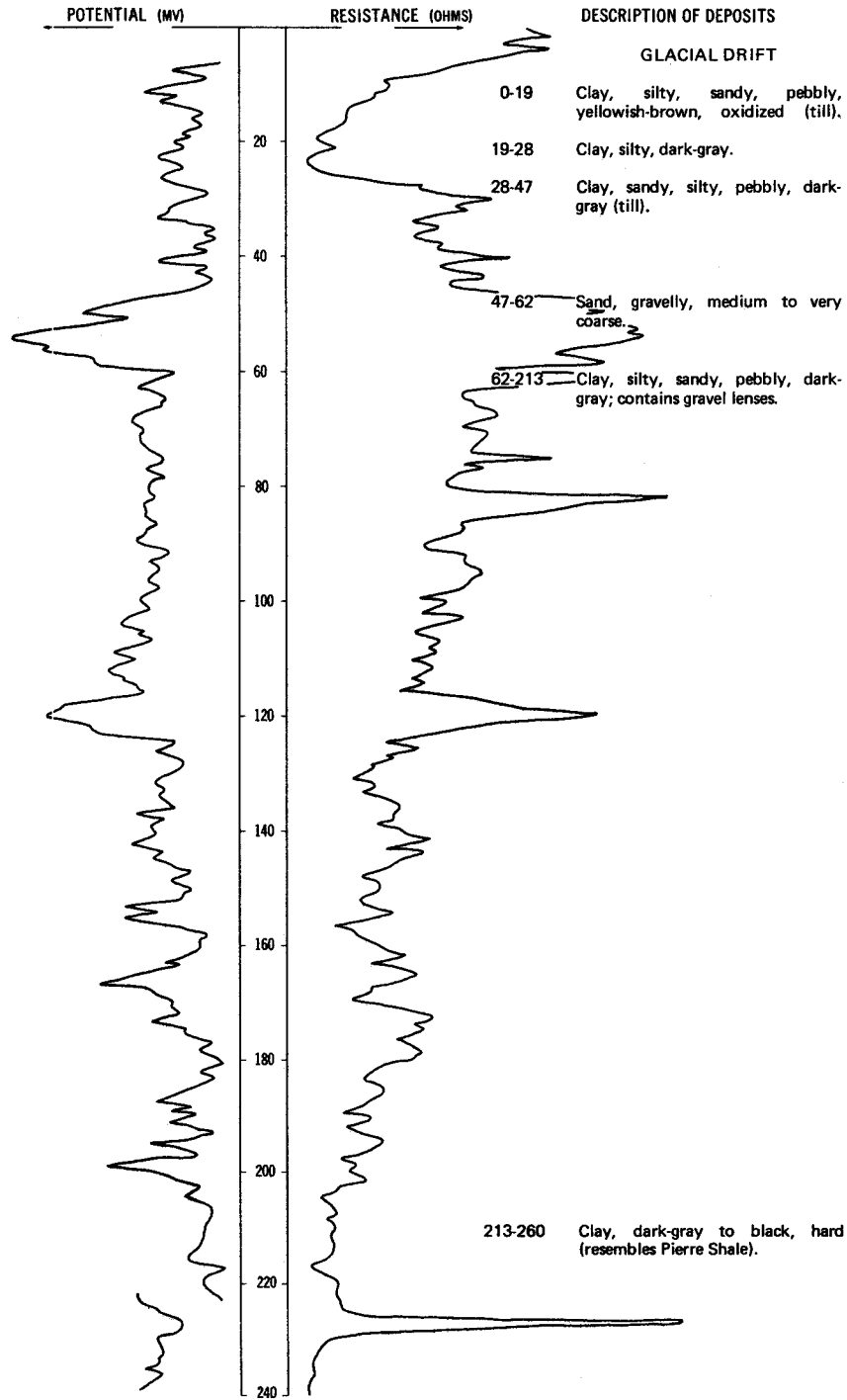
Topsoil	2	2
Clay	13	15
Clay, silty	115	130
Sand, tubular	10	140
Cobbles and gray shale	500	640
Sand	50	690

LOCATION: 136-056-02CCC

DATE DRILLED: 6/22/77

ALTITUDE: 1205  
(FT, NGVD)

DEPTH: 260  
(FT)

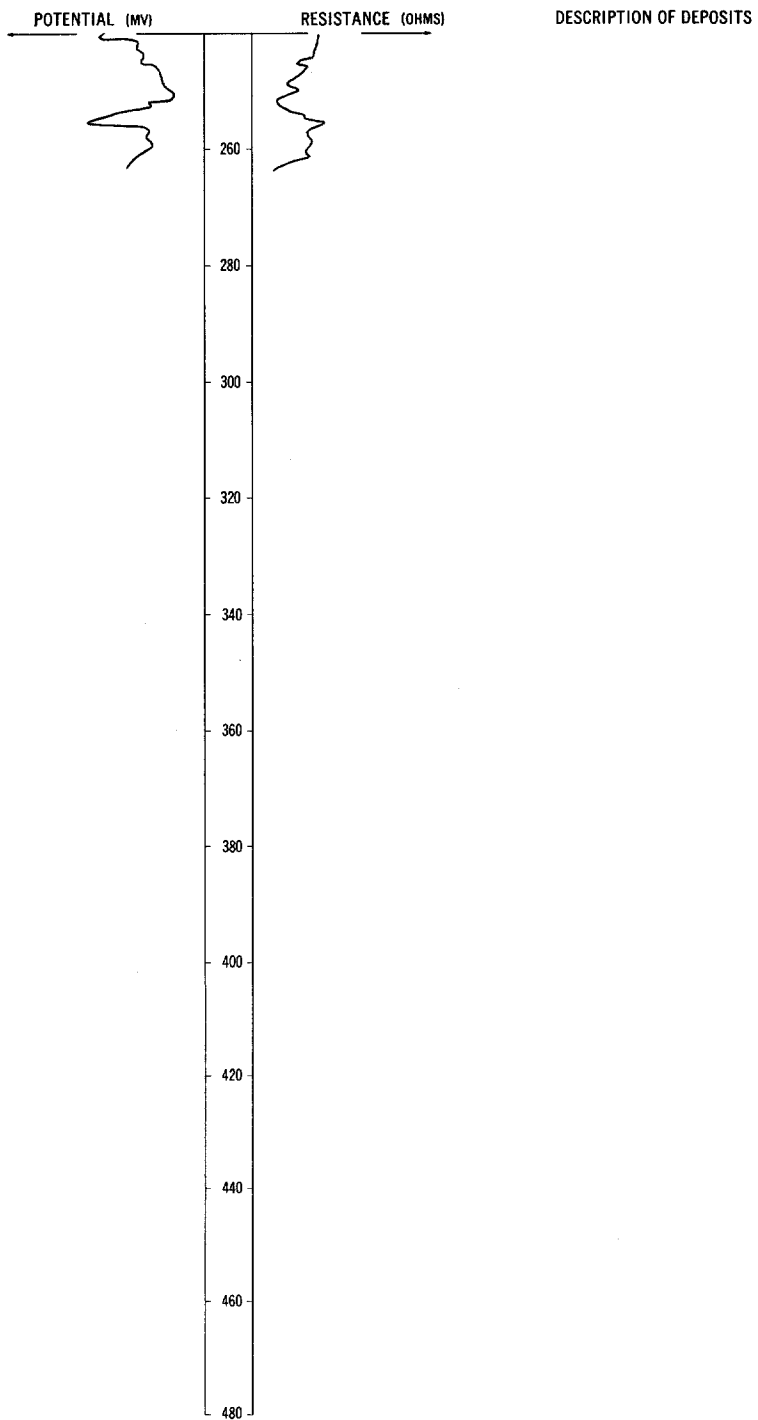


LOCATION: 136-056-02CCC

DATE DRILLED: 6/22/77

ALTITUDE: 1205  
(FT, NGVD)

DEPTH: 260  
(FT)

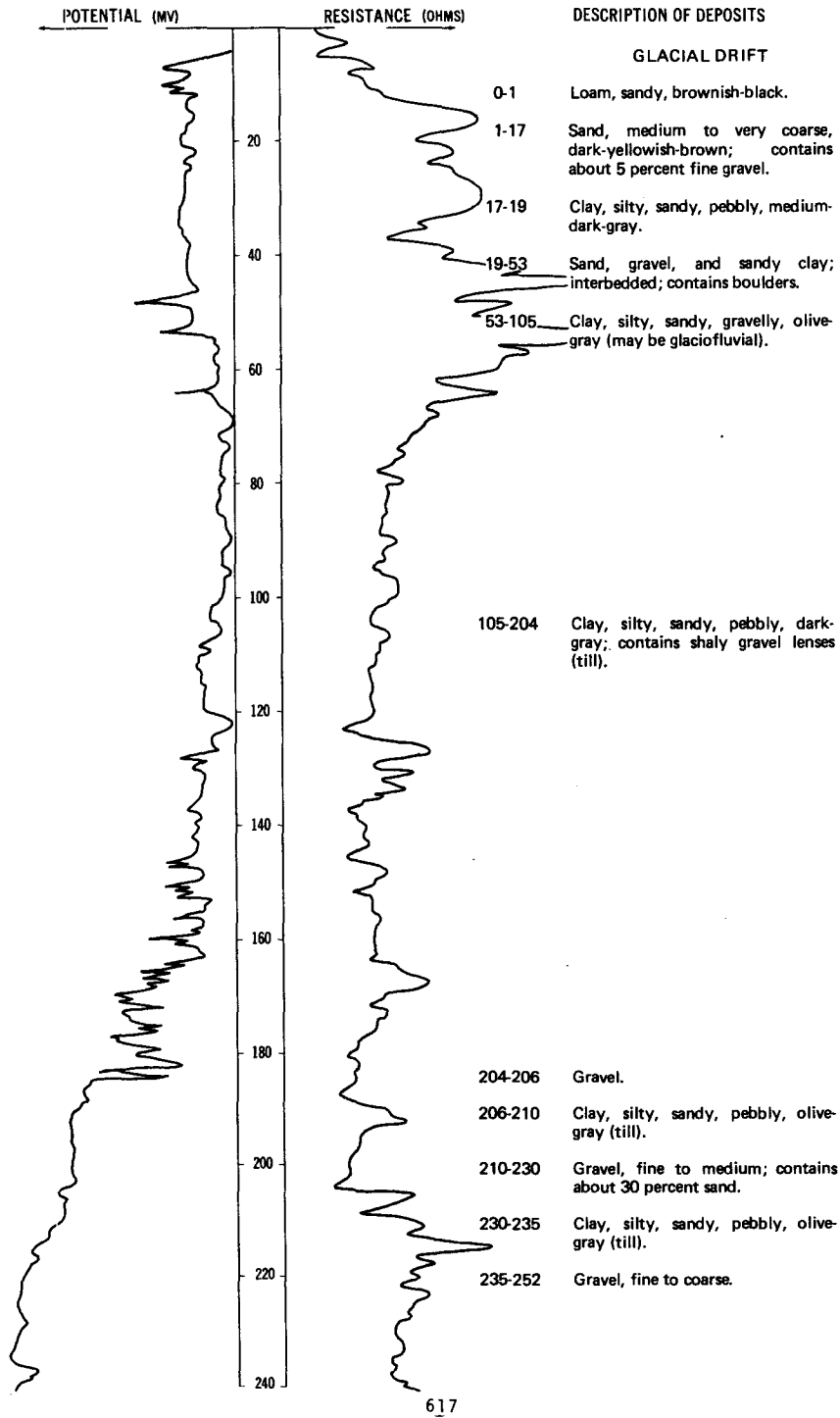


LOCATION: 136-056-02DDD

DATE DRILLED: 11/19/74

ALTITUDE: 1160  
(FT, NGVD)

DEPTH: 280  
(FT)

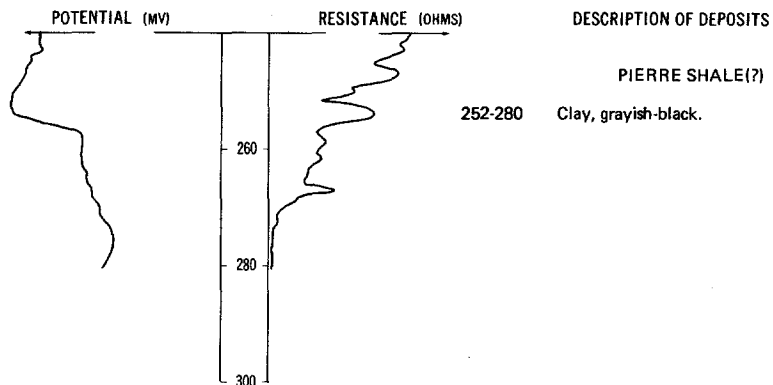




NDSWC 9221, Continued

LOCATION: 136-056-02DDD  
 ALTITUDE: 1160  
 (FT, NGVD)

DATE DRILLED: 11/19/74  
 DEPTH: 280  
 (FT)



136-056-07ABB  
 (Log from Kamoni Well Boring)

Date drilled: 5/23/73

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black	2	2
	Clay, yellow	18	20
	Clay, rocky, blue	30	50
	Clay, blue	4	54
	Gravel, semifine; with fist-sized rocks	7	61

136-056-28BAD  
 (Log from Robert Recker)

Date drilled: 6/03/75

Gravel and sand	12	12
Clay, yellow	12	24
Clay, blue	26	50
Sand and gravel	5	55

136-056-33DAD  
(Log from Kamoni Well Boring)

Date drilled: 6/01/76

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	2	2
	Clay, yellow-----	23	25
	Clay, blue-----	28	53
	Sand, coarse-----	8	61
	Clay, blue-----	2	63
	Sand; mixed with clay-----	2	65

136-057-11DBC  
(Log from Kamoni Well Boring)

Date drilled: 5/25/73

	Dirt, black-----	2	2
	Clay, yellow-----	7	9
	Sand, coarse, clean-----	7	16

136-057-13CCC  
(Log from Jerry's Well Drilling)

Date drilled: 9/16/75

	Dirt, black-----	2	2
	Clay, yellow-----	18	20
	Clay, yellow, and fine sand; mixed-----	22	42
	Gravel, gray-----	4	46
	Clay, blue-----	1	47
	Gravel, gray-----	3	50
	Clay, hard, blue-----	2	52

136-057-16DDD  
NDSWC 9896

Altitude: 1375 feet

Date drilled: 6/23/77

Glacial drift:	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, silty, brown-----	1	1
	Clay, silty, sandy, pebbly, yellowish-brown, oxidized (till)-----	41	42
	Clay, silty, sandy, pebbly, medium-dark-gray (till)-----	20	62
	Clay, silty, sandy, pebbly, yellowish-gray (till)-----	10	72
	Sand, silty, gray-----	4	76
	Lost circulation; no returns-----	---	76

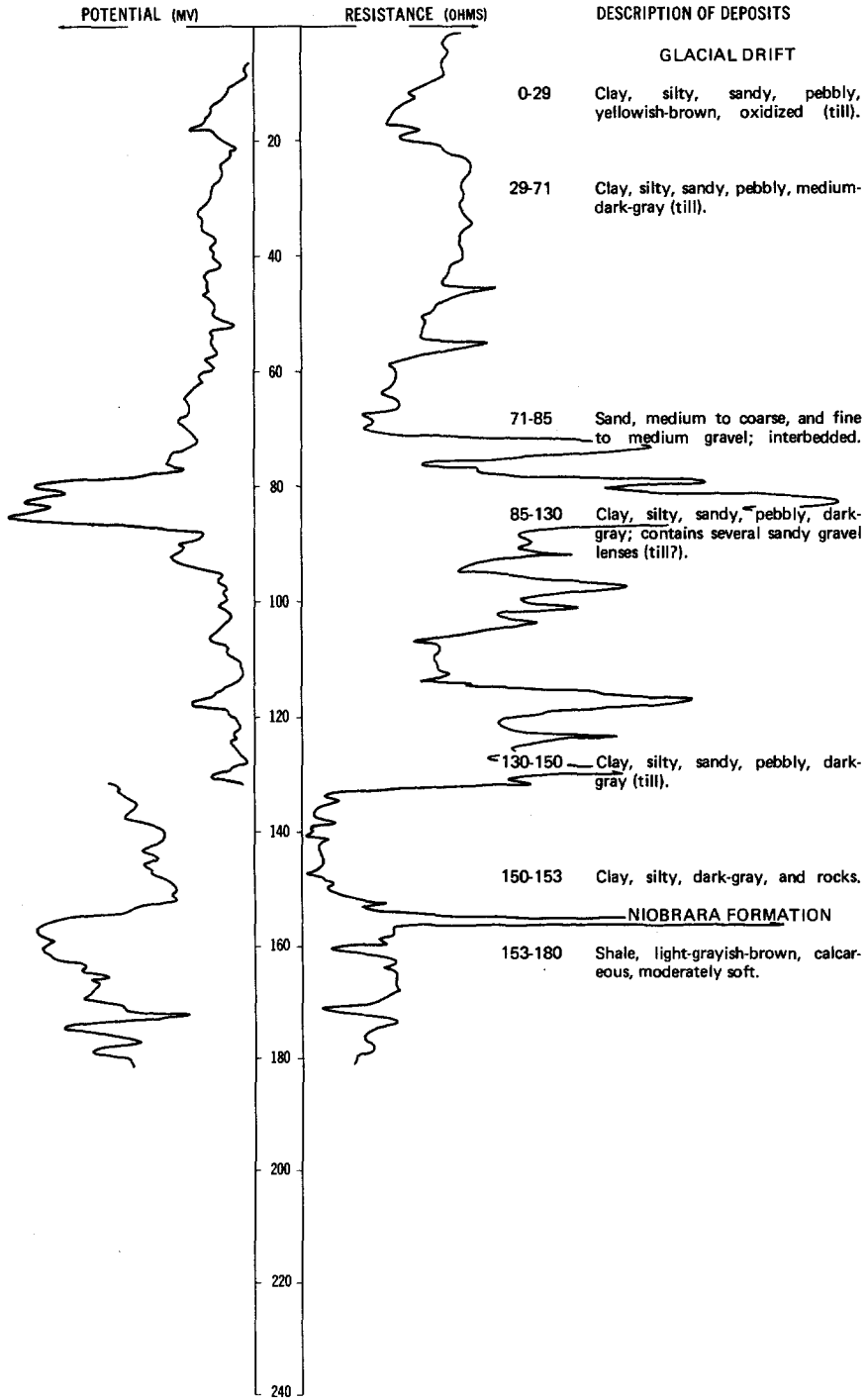
136-057-19DBD  
(Log from Independent Drilling Co.)

Date drilled: 10/10/72

	Drift-----	175	175
	Shale-----	525	700
	Sand-----	42	742

LOCATION: 136-057-21ADD  
 ALTITUDE: 1360  
 (FT, NGVD)

DATE DRILLED: 6/24/77  
 DEPTH: 180  
 (FT)



136-057-31CDB  
(Log from Robert Recker)

Date drilled: 10/17/74

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Clay, light-gray	8	8
	Clay, yellow	20	28
	Gravel and sand	44	72
	Clay, blue	8	80
	Clay, light-gray	30	110
	Clay, dark-blue	55	165
	Clay, light-gray	16	181
	Clay, light-blue	5	186

136-058-02DBA  
(Log from Kamoni Well Boring)

		Date drilled:	3/25/75
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Dirt, black-----	2	2
	Clay, brown-black-----	28	30
	Clay, blue-green-----	30	60
	Sand, yellow-----	12	72
	Clay, blue-----	4	76

136-058-04CCC  
NDSWC 9223

		Date drilled:	11/19/74
Altitude:	1413 feet		
Glacial drift:			
	Loam, sandy, dusky-yellowish-brown-----	1	1
	Sand, fine to very coarse; contains about 5 percent fine to medium gravel-----	21	22
Pierre Shale:			
	Shale, medium-dark-gray to dark-gray-----	18	40

136-058-08DD  
(Log from Kamoni Water Wells)

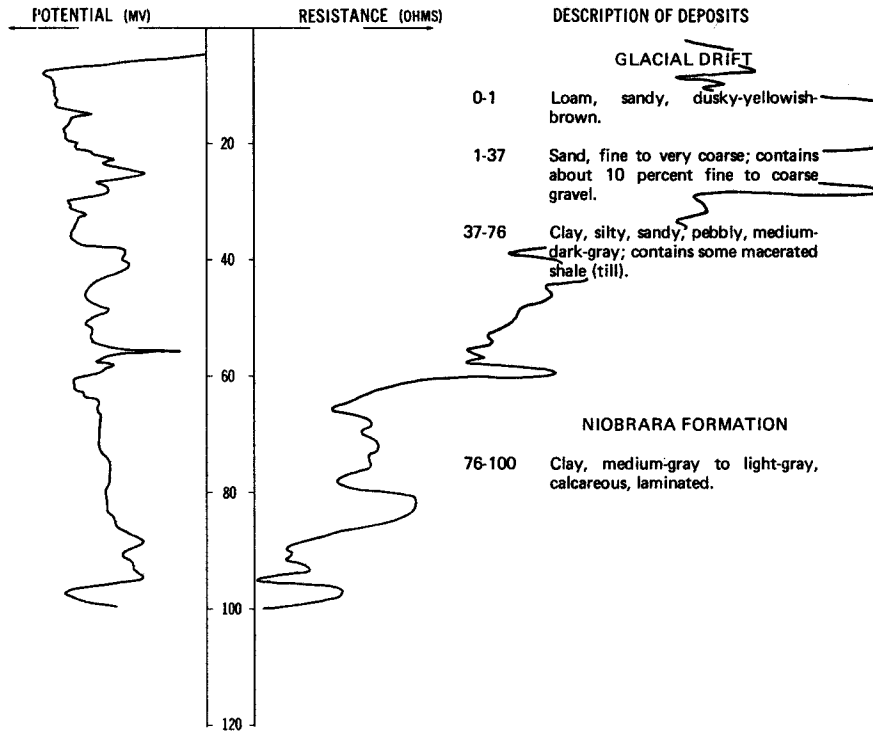
		Date drilled:	4/28/77
	Dirt, black-----	2	2
	Sand, yellow, and fine gravel-----	7	9
	Sand, good-----	4	13
	Sand, fine, mucky-----	3	16
	Sand, coarse, very clean-----	5	21
	Clay, blue-----	2	23

LOCATION: 136-058-10AAA

DATE DRILLED: 11/19/74

ALTITUDE: 1420  
(FT, NGVD)

DEPTH: 100  
(FT)



136-058-20AAA  
NDSWC 9901

Altitude: 1405 feet

Date drilled: 6/28/77

GEOLOGIC SOURCE MATERIAL

THICKNESS (FEET)      DEPTH (FEET)

GEOLOGIC SOURCE MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:		
Sand, fine to medium, yellowish-brown	11	11
Sand, fine to medium, gray	5	16
Clay, silty, sandy, pebbly, light-gray to olive-gray (till)	28	44
Niobrara Formation:		
Shale, light-gray, calcareous	16	60

136-058-21AAA  
NDSWC 9900

Altitude: 1402 feet

Date drilled: 6/28/77

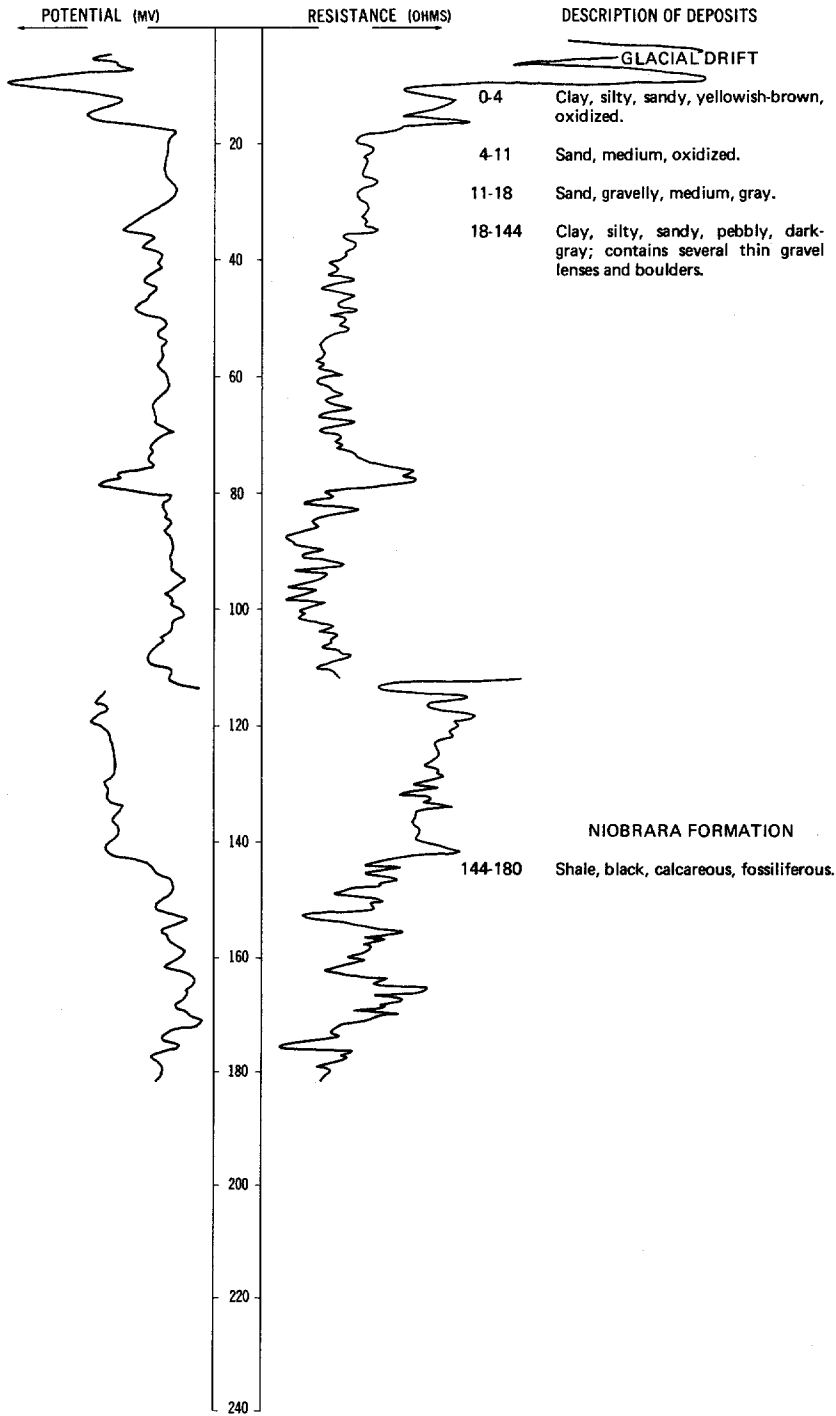
GEOLOGIC SOURCE MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:		
Sand, medium, yellowish-brown, oxidized	5	5
Clay, silty, sandy, pebbly; mottled gray and brown	8	13
Sand, gravelly, medium	5	18
Clay, silty, sandy, pebbly, dark-gray (till)	55	73
Niobrara Formation:		
Shale, light-gray, calcareous	7	80

LOCATION: 136-058-32DDD

DATE DRILLED: 6/29/77

ALTITUDE: 1386  
(FT, NGVD)

DEPTH: 180  
(FT)



136-058-33BAC2  
(Log from Frederickson's Inc.)

		Date drilled:	3/06/73
GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
	Topsoil, black-----	1	1
	Clay, yellow-----	17	18
	Shale, blue-----	64	82
	Clay, blue-----	146	228
	Shale, blue-----	110	338
	Shale, blue; with sand lenses-----	7	345
	Shale, blue-----	110	455
	Shale, blue; with sand lenses-----	8	463
	Shale, blue-----	9	472
	Shale, blue; with sand lenses-----	8	480
	Shale, blue-----	3	483
	Shale, blue; with sand lenses-----	6	489
	Shale, blue-----	38	527
	Sand-----	25	552
	Shale, blue-----	8	560

136-058-33CDD  
NDSWC 9905

		Date drilled:	6/29/77
Altitude:	1400 feet		
Glacial drift:			
	Loam, sandy, dark-yellowish-brown, oxidized-----	1	1
	Sand, fine to medium, yellowish-brown, oxidized-----	7	8
	Clay, silty, yellowish-brown-----	5	13
	Sand, fine, yellowish-brown-----	8	21
	Sand, coarse, gray; contains shale fragments-----	32	53
	Cobbles-----	2	55
	Clay, silty, sandy, pebbly, medium-dark-gray-----	5	60

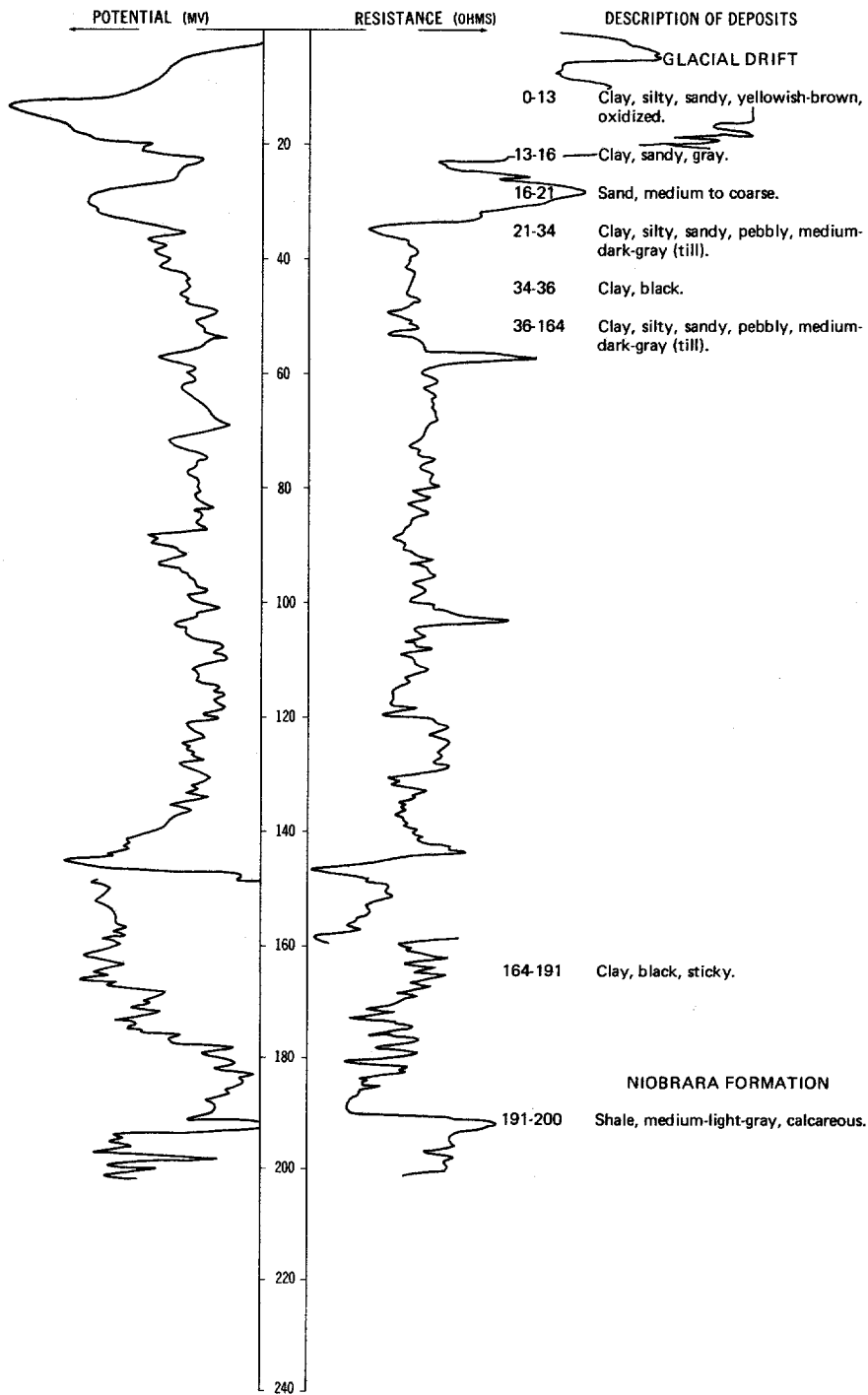


LOCATION: 136-058-33DDC

DATE DRILLED: 6/29/77

ALTITUDE: 1402  
(FT, NGVD)

DEPTH: 200  
(FT)



136-058-35DAD2  
NDSWC 9898

Altitude: 1140 feet

Date drilled: 6/28/77

GEOLOGIC SOURCE	MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
Glacial drift:			
	Clay, silty, brownish-black	1	1
	Clay, silty, yellowish-brown, oxidized	13	14
	Gravel, medium, subrounded	2	16
	Clay, silty, sandy, olive-gray	8	24
	Sand	2	26
	Clay, silty, sandy; with thin lenses of sand and gravel	95	121
	Sand	2	123
	Clay, silty, medium-gray	6	129
Niobrara Formation:			
	Shale, medium-light-gray, calcareous	11	140

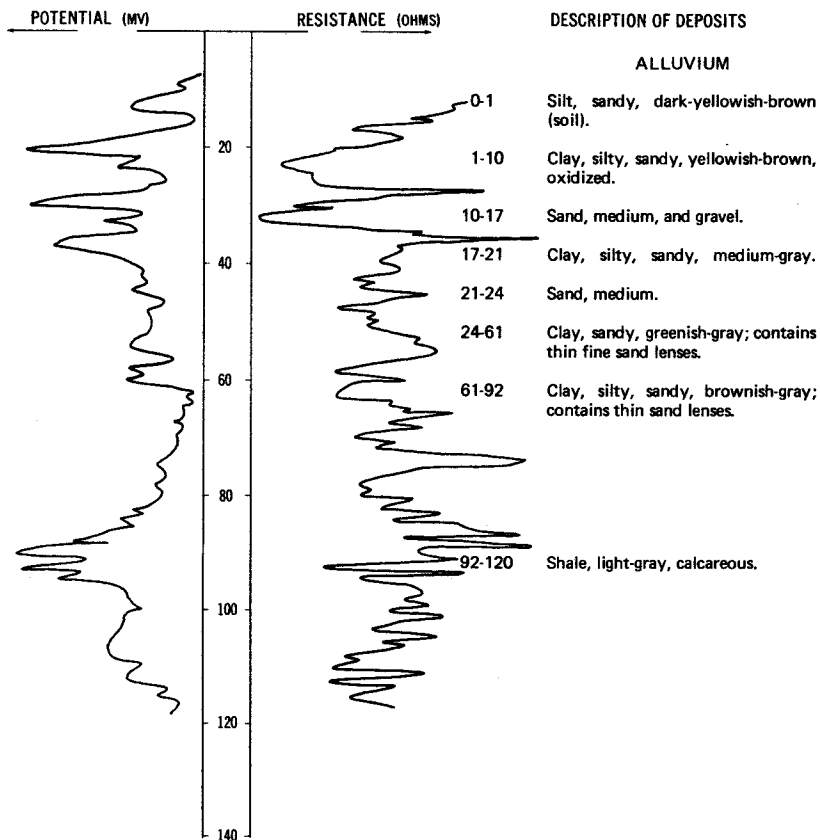
NDSWC 9909

LOCATION: 136-058-35DAD3

DATE DRILLED: 8/08/77

ALTITUDE: 1140  
(FT. NGVD)

DEPTH: 120  
(FT)



LOCATION: 136-058-35D8D  
ALTITUDE: 1150  
(FT, NGVD)

DATE DRILLED: 6/28/77  
DEPTH: 60  
(FT)

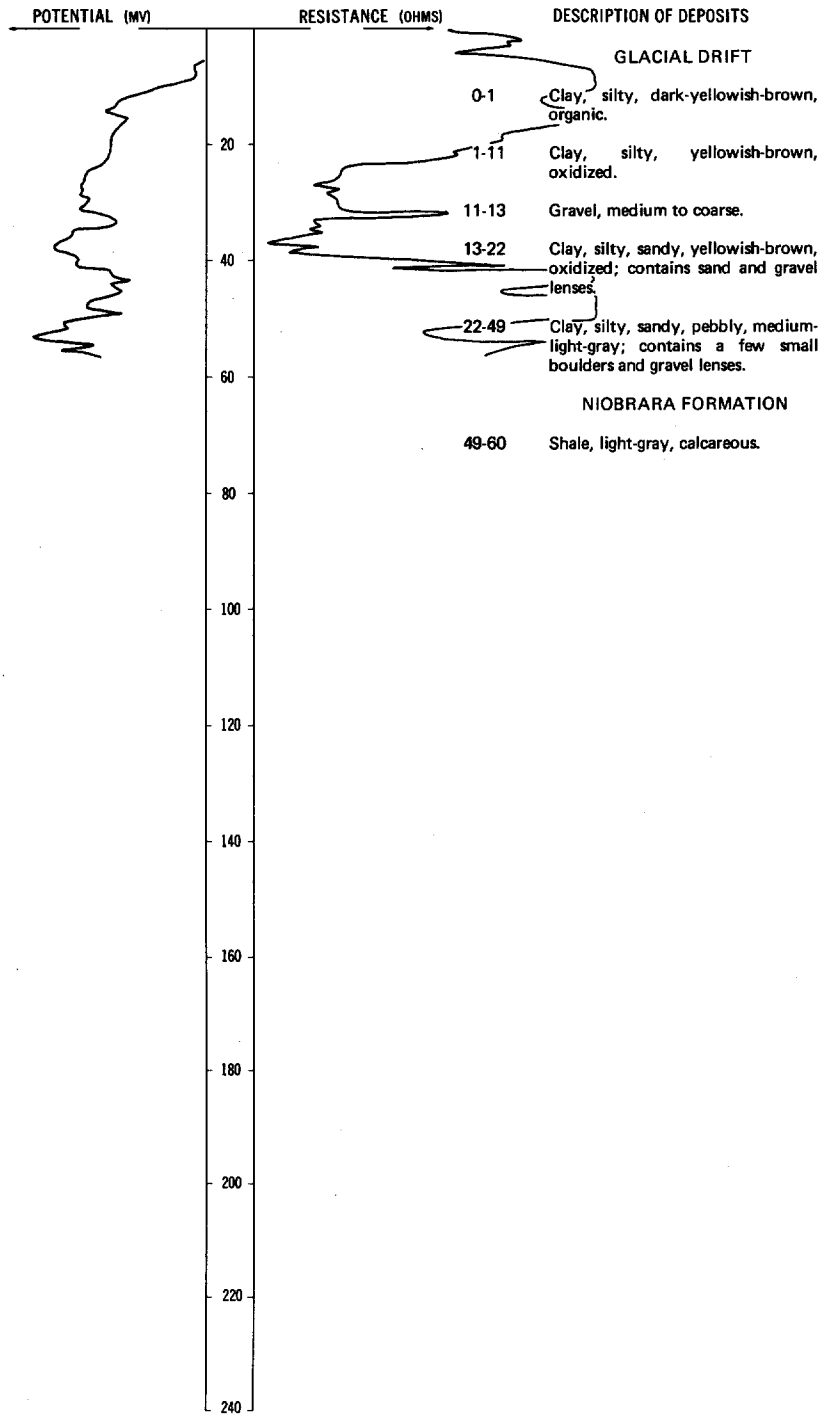


TABLE 4.--Chemical analyses of ground water

<u>Principal aquifer</u>	<u>Specific conductance</u>
111, Holocene	Value shown is the field specific conductance measured at the well at the time of inventory.
112, Pleistocene	
211, Upper Cretaceous	
217, Lower Cretaceous	
ALVM, alluvium	
BDVL, buried valley deposits	
BGFV, buried glaciofluvial deposits	
BRMP, Brampton aquifer	
DKOT, Dakota Sandstone	
EGLV, Englevale aquifer	
ELOT, Elliott aquifer	
LCSR, lacustrine deposits	
MLCL, Milnor Channel aquifer	
NBRR, Niobrara Formation	
OKES, Oakes aquifer	
SDPR, Sand Prairie aquifer	
SNDL, Sheyenne Delta aquifer	
SPRD, Spiritwood aquifer	

60

LOCAL IDENTIFIER	PRINCIPAL AQUIFER	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (µMHO/CM AT 25°C)	PH	TEMPERATURE (DEG C)	HARDNESS (CAL/MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED SULFATE (MG/L)	DIS-SOLVED CHLORIDE (MG/L)	DIS-SOLVED NITRATE (MG/L)	DIS-SOLVED NITRATE (MG/L)	DIS-SOLVED BORON (MG/L)	DIS-SOLVED IRON (MG/L)	DIS-SOLVED MANGANESE (MG/L)					
129-053-0788A1	1125PRD	184	74-12-12	1610	7.6	9.5	410	1	110	33	210	52	4.5	13	500	0	440	25	0.3	16	1130	0.23	750	190	440
129-053-08AAA8	217DKOT	---	76-04-21	4300	8.2	12.0	76	0	16	8.8	1000	96	50	13	455	0	1200	410	8.0	6.1	3050	.05	3400	230	40
129-053-09AAA1	1125PRD	201	74-12-12	1800	7.5	---	340	0	80	34	250	61	5.9	12	520	0	410	42	.3	13	1320	.23	830	1200	860
129-053-13ABC1	217DKOT	700	76-04-21	900	8.1	11.0	68	0	14	6.8	1100	97	60	11	360	0	1300	510	7.8	8.0	3340	.23	4000	620	40
129-053-240CC	1128GFV	70	76-04-21	900	7.2	---	520	210	130	47	14	5	3.3	5.1	570	0	190	1.6	-.3	20	355	.27	80	190	1000
129-054-02AAC	217DKOT	700	76-04-21	4100	8.1	---	63	0	14	6.8	960	96	53	14	440	0	1200	370	8.9	6.1	2860	.23	3000	330	10
129-054-16CC0	1128GFV	11	76-04-21	1550	7.3	---	850	570	200	85	50	11	2.7	3.8	337	0	650	9.4	-.3	19	1290	.27	160	100	0
129-054-188B0	217DKOT	960	76-04-21	4500	8.3	---	75	0	15	9.0	1000	96	50	14	477	0	1200	390	8.9	5.1	3030	.23	3600	590	60
129-055-07CCC	1128GFV	171	74-12-03	1300	7.9	8.0	330	0	44	29	180	53	4.3	11	490	0	300	19	-.8	19	887	.23	940	100	200
129-055-11DD0	1128GFV	180	76-04-22	2200	7.4	---	290	0	79	22	400	74	10	13	535	0	600	88	-.8	16	1540	.23	2200	2400	40
129-055-13BCC	217DKOT	870	76-04-27	4000	8.2	15.5	74	0	19	6.4	880	95	45	13	344	0	1200	360	9.1	8.3	2590	.23	4200	1400	60
129-055-31AAC	1125PRD	157	78-09-04	1300	7.2	---	320	0	84	27	210	58	5.1	13	505	0	130	20	-.3	28	1010	.07	1400	340	650
129-055-32CBB	1128GFV	155	76-04-22	2500	7.6	---	620	150	130	72	420	59	7.3	9.4	569	0	830	110	.3	23	1850	.56	1600	5200	220
129-055-34ABB	---	---	76-04-22	970	7.8	8.0	60	0	150	33	51	19	1.0	8.6	384	0	240	15	.3	22	721	.23	120	1400	1000
129-056-05CCC	112BRMP	191	75-11-05	1000	7.6	8.5	380	0	110	26	77	30	1.7	8.3	466	0	170	8.4	-.3	20	668	.99	400	460	620
129-056-09DDD	112BRMP	156	74-12-03	1000	7.7	8.0	340	0	98	23	120	43	2.8	9.8	460	0	200	26	.5	20	680	.23	550	80	720
129-056-17BBB	112BRMP	201	74-12-05	860	8.0	8.0	320	0	92	22	61	29	1.5	9.6	440	0	95	11	-.4	21	532	.23	350	480	600
129-056-26CCC	112BRMP	131	74-12-03	1470	8.1	8.0	360	0	97	29	180	51	3.1	10	500	0	330	25	.5	22	940	.23	830	360	420
129-056-30DDD	112BRMP	161	77-10-13	1800	7.4	9.0	500	110	140	36	220	96	95	17	527	0	1300	430	6.5	8.1	3230	.20	4400	710	40
129-057-07AAC1	112BRMP	153	77-10-12	1700	7.4	8.5	570	180	160	41	170	39	4.1	11	670	0	480	30	.1	29	1110	.23	760	1200	1000
129-057-07AAC2	112BRMP	22	77-10-12	650	7.6	9.5	370	10	100	29	5.4	3	1.1	1.6	430	4	19	1.5	.2	25	347	.23	140	1900	1100
129-057-07AAC5	112BRMP	148	77-10-13	1300	7.6	8.5	400	240	170	43	150	34	2.7	16	437	0	550	34	.1	24	1230	.23	1600	1000	1100
129-057-07AAC6	112BRMP	22	77-10-12	640	7.8	9.0	360	38	100	27	5.9	3	1.1	2.2	394	0	21	1.0	.2	26	347	.65	0	---	---
129-057-07AAD1	112BRMP	174	77-10-13	1800	7.3	9.0	510	130	140	39	220	48	4.2	14	465	66	570	34	.1	25	1290	.38	910	---	---
129-057-07AAD2	112BRMP	124	77-10-13	1800	7.3	9.0	510	130	140	39	220	48	4.2	14	465	0	560	35	.1	25	1280	.66	810	---	---
129-057-07ACA1	112BRMP	137	77-10-12	1300	7.9	8.5	440	110	100	46	100	32	2.1	15	399	0	330	12	.0	26	827	.81	480	1400	1100
129-057-07ACA2	112BRMP	23	77-10-12	640	7.7	9.0	360	11	100	27	6.2	6	1.1	2.3	419	4	13	1.4	.2	28	342	.23	50	2100	1200
129-057-07ACA4	112BRMP	153	77-10-21	1210	8.3	9.5	390	140	98	35	140	43	3.1	14	308	0	420	23	.1	20	984	.12	810	---	---
129-057-07ACA5	112BRMP	153	77-10-22	1240	8.3	9.5	370	130	89	36	140	42	3.2	14	293	0	410	23	.1	22	905	.05	720	---	---
129-057-07ACA6	112BRMP	153	77-10-23	1310	8.2	9.5	430	120	150	15	150	42	3.2	14	377	0	420	21	.1	27	882	.23	950	---	---
129-057-08CC1	112BRMP	153	77-10-24	1230	8.3	9.5	390	130	97	36	150	44	3.3	14	316	0	420	22	.1	22	887	.00	620	---	---
129-057-08CC2	112BRMP	161	74-12-06	1830	7.7	9.0	450	46	120	36	220	51	4.5	13	490	0	440	72	.0	23	908	.05	670	---	---
129-057-10CCC	112BRMP	41	74-12-10	431	7.4	8.0	230	0	59	20	3.3	3	2.8	11	450	0	370	15	.4	21	930	.23	670	530	1200
129-057-14AAA1	112BRMP	181	74-12-05	980	7.6	8.5	340	13	92	27	72	31	1.7	11	400	0	150	22	.1	21	611	.00	240	270	1100
129-057-14CCC	217DKOT	974	76-04-20	3900	8.1	---	210	0	27	39	790	88	24	13	357	0	920	470	4.9	6.3	2510	.56	2200	890	80
129-057-300CC	217DKOT	1400	76-04-27	3600	7.9	13.5	84	0	21	7.7	810	95	38	12	403	0	900	440	4.2	8.3	2460	.16	3400	480	40
129-057-34AAA	112BRMP	171	77-10-21	1300	---	9.0	500	81	140	36	140	40	3.1	11	508	0	410	19	.1	34	1070	.23	910	1600	780
129-057-34AAA	112BRMP	190	76-04-27	1000	7.5	8.0	380	0	100	32	94	34	2.1	10	495	0	170	3.9	.5	30	680	.20	1500	6300	240
129-058-010CC1	1125PRD	125	75-04-25	1250	6.9	---	540	130	150	40	75	23	1.4	8.5	501	0	280	24	.2	20	870	.34	350	800	1300
129-058-03ABB	1128GFV	130	76-04-26	770	7.4	6.0	410	81	110	33	5.0	3	1.1	2.7	402	0	58	25	.2	28	466	.23	1400	1300	960
129-058-06AAA2	1120KES	57	76-07-02	520	---	8.8	270	2	73	21	5.6	4	1.1	3.4	325	0	18	1.6	.1	30	286	.23	80	560	560
129-058-06AAD2	1120KES	158	75-07-29	500	7.8	---	260	10	69	21	8.8	7	2.2	3.0	303	0	7.8	14	.4	19	325	.02	80	600	20
129-058-12AAA	112BRMP	170	77-10-13	1800	7.2	9.0	520	100	35	230	30	4.8	4.4	13	510	0	560	30	.1	24	1290	.97	1000	---	---
129-058-22ADD	217DKOT	930	76-04-27	4000	8.1	14.0	70	0	19	5.5	880	96	46	13	547	0	660	620	6.1	7.6	2460	.56	4000	3100	80
129-058-30CCC	1120KES	96	75-10-21	1350	8.1	---	260	0	47	22	210	63	5.7	11	504	0	68	160	.4	22	819	.27	1000	190	250
129-058-30DDD1	1120KES	136	75-10-21	720	8.1	---	180	0	47	15	95	52	3.1	9.1	385	0	91	16	.3	20	677	.61	480	40	300
129-058-30DDD2	1120KES	41	75-10-21	420	8.0	8.0	210	0	61	14	5.3	9.9	1.4	1.4	257	0	7.0	.3	.3	21	259	.23	0	1100	760
130-053-04000	217DKOT	1200	76-04-28	4250	7.9	9.0	75	0	18	7.3	980	96	49	17	461	0	1200	370	9.1	7.8	2880	1.4	3700	440	10
130-053-09BCC	112LCSR	114	76-04-28	1950	7.6	7.5	340	0	90	28	320	66	7.6	12	541	0	490	67	.7	30					



LOCAL IDENTIFIER	PRINCIPAL OF AQUIFER	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (UMHO/CM AT 25°C)	PH	TEMPERATURE (DEG C)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SI(02)) (MG/L)	DIS-SOLVED (RES) AT 180°C (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IODINE (I) (UG/L)	DIS-SOLVED MANGANESE (Mn) (UG/L)
131-056-21AAA	1128GFV	134	76-10-13	1750	7.3	8.5	470	0	130	35	240	52	4.8	12	595	0	440	48	0.3	30	1210	0.23	1100	5300	140
131-056-23CBB1	2170KOT	1100	76-10-13	4000	8.2	9.5	70	0	170	8.7	890	95	4.6	17	450	0	980	440	6.1	8.1	2500	1.8	2300	130	20
131-056-31CCC	1125PRD	141	76-10-31	2000	7.5	7.5	620	220	170	48	210	42	3.7	14	494	0	610	40	2	20	1420	0.90	1100	710	560
131-057-0600D1	112EGLV	108	75-11-05	2200	7.7	8.5	490	110	130	40	300	56	5.9	13	469	0	410	230	3	20	1590	1.2	800	1200	1000
131-057-08AAA	112EGLV	161	77-09-13	5000	7.4	9.0	1800	1400	250	290	720	46	7.3	24	563	0	2400	300	2	28	4670	2.3	860	1700	1100
131-057-11AAA	1128GFV	185	76-10-13	1650	7.2	--	490	130	150	28	200	46	3.9	12	437	0	500	64	0.6	30	1190	1.1	600	480	960
131-057-12CDC	2170KOT	1000	76-10-13	4000	8.0	--	50	0	14	3.6	920	97	5.7	17	529	7	860	400	6.8	8.1	2590	1.3	2400	60	40
131-057-20DDC	112EGLV	141	77-09-13	1800	7.4	8.0	640	160	180	46	180	37	3.1	13	587	0	450	92	1	28	1370	2.3	480	260	1000
131-057-30ADD	2170KOT	1030	76-10-12	3800	8.2	--	89	0	26	5.8	830	94	3.8	18	299	6	1100	320	3.8	6.0	2470	0.9	2000	1200	60
131-058-08ABA	1125PRD	220	76-07-29	2770	7.3	--	280	0	51	37	690	82	1.7	17	715	0	73	780	1.8	10	1920	1.34	2500	1200	10
131-058-11BAA	2170KOT	1000	76-07-29	4500	8.0	13.0	62	0	18	4.1	970	96	5.4	20	643	23	750	640	7.4	8.6	2750	2.23	3200	1700	20
131-058-20CDC	--	--	76-07-29	4500	8.1	10.5	55	0	14	4.9	1100	96	6.4	30	818	24	720	730	5.3	8.4	2970	2.3	3300	1600	0
131-058-24DDC	1125PRD	276	77-09-13	1120	7.9	8.5	400	27	110	30	100	36	2.2	12	452	0	240	11	1	26	792	2.3	480	430	760
131-058-27AAB	1125PRD	211	75-11-06	1000	7.6	8.5	420	53	110	35	67	25	1.4	8.0	446	0	160	16	2	21	659	1.14	480	250	580
131-058-31CCC2	1120KES	36	77-09-21	710	7.8	7.5	320	0	82	28	37	20	1.9	5.8	398	0	75	5.9	2	29	469	2.3	0	910	640
131-058-34BBB	1125PRD	161	75-11-06	1200	7.6	8.0	220	0	51	23	190	64	5.6	8.9	487	0	160	52	4	22	762	2.3	880	870	60
132-053-09DAD	1125MDL	21	76-11-10	4500	6.9	8.8	1800	1500	940	110	370	31	3.8	26	386	0	2000	170	1	19	1270	2.3	240	3800	780
132-053-21DDD	112CLSR	36	76-11-09	1650	7.1	--	840	400	190	89	51	12	1.8	10	435	0	580	23	3	32	582	2.3	0	100	20
132-053-29DDD	112MCLL	44	77-09-15	850	7.9	8.0	400	49	100	36	43	19	0.9	4.8	425	0	120	15	1	1	460	2.3	190	510	600
132-053-31DDD	112MCLL	41	77-09-14	640	7.6	9.0	300	28	83	23	24	15	0.6	2.8	334	0	65	8.1	1	27	440	2.3	190	510	600
132-053-36BAC	112CLSR	41	75-10-22	1000	8.0	7.5	450	86	130	30	54	20	1.1	12	442	0	190	11	2	29	494	1.3	80	130	800
132-054-09AAD	112MCLL	21	76-07-22	1400	--	8.5	460	40	130	33	160	43	3.2	8.1	513	0	300	79	4	31	974	2.3	380	2800	640
132-054-09DAD	2170KOT	900	77-06-28	3900	8.2	13.5	75	0	22	4.9	870	95	4.4	15	338	13	1100	380	4.6	6.3	2490	2.3	2300	590	80
132-054-09DCA	2170KOT	675	77-06-01	4000	8.1	13.5	96	0	22	10	850	94	3.8	15	336	6	1100	370	3.6	6.4	2550	2.3	1900	100	20
132-054-13AAB	2170KOT	575	76-07-22	4000	8.4	12.0	77	0	24	4.1	870	95	4.3	16	325	8	1200	360	6.5	8.0	2600	2.3	2700	80	60
132-054-25DDD	112MCLL	32	77-09-15	800	7.8	9.0	310	35	86	23	62	30	1.5	3.0	335	0	160	17	1	27	579	2.3	380	60	400
132-054-31BAA1	2170KOT	850	76-07-22	5000	8.1	--	74	0	24	3.4	860	95	4.4	15	317	0	1100	390	5.1	8.0	2550	2.6	2400	130	10
132-054-31BAA2	1128GFV	118	76-07-22	1800	7.8	9.0	620	200	180	41	200	41	3.5	11	408	0	590	50	4	31	1380	5.6	830	2500	480
132-055-09ACB	2170KOT	850	76-07-21	4000	8.0	11.5	64	0	18	4.6	990	96	5.4	18	610	0	1100	420	5.7	7.9	2850	1.6	3100	1100	20
132-055-09CDC	1128GFV	110	76-07-21	3400	6.9	--	1400	1000	390	100	390	38	4.6	16	473	0	1700	86	3	31	3060	2.3	1000	5000	900
132-055-35AAA	1128GFV	160	76-07-21	2400	7.0	--	850	440	260	49	280	41	4.2	15	505	0	960	75	4	31	1990	0.7	1000	1500	500
132-056-07DD8	2170KOT	1200	75-07-10	4030	8.0	8.0	62	0	17	4.7	930	96	3.1	19	513	0	1100	420	5.9	2.9	2460	5.9	2800	890	60
132-056-08CAC	2170KOT	1010	75-07-10	3900	8.2	8.0	92	0	27	6.0	810	94	3.7	17	248	0	1000	310	4.2	5.4	2510	2.7	2000	190	40
132-056-14CDA1	1128DVL	156	75-11-05	2000	7.8	8.0	310	0	80	27	360	71	8.9	11	565	0	570	44	4	19	1380	1.5	1200	40	480
132-056-18AAB	1128GFV	163	76-07-21	2200	7.0	8.5	800	380	230	55	270	42	4.2	14	514	0	930	29	4	30	1880	2.3	640	1400	1100
132-056-25BBC	1128DVL	187	77-06-01	2150	7.2	8.5	370	0	110	23	360	67	8.2	12	618	0	640	27	2	23	1460	2.3	1000	590	620
132-056-26DAD	1128DVL	173	77-09-13	2200	7.9	8.0	550	140	150	43	310	54	5.7	13	506	0	750	4.3	1	26	1640	2.3	1000	490	840
132-056-32AAB	1128GFV	95	76-07-21	1300	7.1	8.5	430	60	120	32	150	42	3.1	11	453	0	330	47	4	31	894	0.5	760	960	540
132-056-34CCC	2170KOT	905	76-07-21	3800	8.1	13.0	80	0	23	5.5	820	95	4.0	18	321	6	1200	310	4.4	8.0	2500	2.3	1900	1700	20
132-057-06DCC	2170KOT	925	76-06-29	5000	8.2	--	70	0	14	8.5	1200	96	6.2	24	805	5	680	890	3.6	8.6	3150	0.97	3500	370	10
132-057-07BBB2	112EGLV	16	75-05-29	783	7.9	--	380	88	100	32	25	12	0.6	7.2	358	0	130	17	2	19	533	2.3	310	1900	760
132-057-11AAA	1128GFV	167	76-06-29	2200	7.2	--	490	59	130	40	340	59	6.7	13	525	0	580	180	1.5	29	1540	2.3	1500	350	880
132-057-15DDD	2170KOT	1080	76-06-30	3900	8.2	--	96	0	27	8.9	830	94	3.7	17	309	0	1200	340	3.6	8.3	2590	2.3	2100	790	40
132-057-26ACB	1128GFV	140	76-06-29	2500	7.0	--	270	0	77	6.9	830	94	3.7	17	309	0	1000	7.3	2	29	2120	2.3	910	3700	660
132-058-01ABD	112EGLV	95	75-07-07	710	7.3	10.0	280	1	77	21	41	24	1.1	5.1	339	0	88	7.7	2	20	445	2.3	310	1200	560
132-058-01BAB	112EGLV	85	78-05-05	750	7.3	8.0	310	4	89	21	64	30	1.6	8.5	371	0	130	9.5	2	27	542	0.2	360	630	550
132-058-01BBC1	112EGLV	171	75-06-03	3330	7.8	7.5	200	0	51	18	690	87	2.1	14	762	0	320	340	7	14	2080	2.3	0	4200	80
132-058-01BBC2	112EGLV	23	75-06-03	866	7.7	7.0	470	180																	





LOCAL IDENTIFIER	PRINCIPAL AQUIFER	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (UMH/CM AT 25°C)	PH	TEMPERATURE (DEG C)	HARDNESS (CA/MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA)	PERCENT SODIUM	SODIUM ADJUSTED RATIO	DIS-SOLVED POTASSIUM (K)	BICARBONATE (MG/L)	CARBONATE (MG/L)	DIS-SOLVED SULFATE (SD4)	DIS-SOLVED CHLORIDE (CL)	DIS-SOLVED FLUORIDE (F)	DIS-SOLVED SILICA (SI02)	DIS-SOLVED (RESIST-DUE AT 180°C)	DIS-SOLVED NITRATE (N)	DIS-SOLVED BORON (B)	DIS-SOLVED IRON (FE)	DIS-SOLVED MANGANESE (MN)	
133-057-23AAA	112ELOT	163	77-05-19	2400	7.1	8.0	580	170	169	44	360	57	6.5	15	500	0	820	120	0.3	26	1790	0.25	1100	1300	480	
133-057-90CD	112EGLV	46	76-06-17	830	7.7	8.0	330	29	91	25	57	27	1.4	7.2	367	0	140	11	.4	29	556	.23	340	770	820	
133-057-31DCR	112EGLV	87	75-07-08	725	7.6	10.0	320	32	91	23	33	18	.8	6.7	354	0	99	7.7	.2	20	443	.09	240	400	560	
133-058-11ABC2	112EGLV	53	77-08-23	400	7.7	---	290	55	68	29	23	15	.6	3.4	286	0	97	9.6	.1	12	408	.23	100	690	400	
133-058-110CC2	112EGLV	46	76-06-29	560	7.7	8.0	290	48	70	28	16	11	.4	2.8	295	0	79	6.6	.2	29	389	.23	0	600	440	
133-058-110DB	112EGLV	82	77-05-19	540	7.5	---	250	3	70	18	17	13	.5	2.9	300	0	23	16	.1	26	300	.23	140	1200	560	
133-058-12AAA	112EGLV	43	76-03-24	460	7.6	8.0	190	0	52	15	30	25	.9	4.7	274	0	25	7.9	.1	20	313	.36	280	440	480	
133-058-12BBB	112EGLV	36	76-05-26	540	7.9	8.0	260	31	68	22	14	10	.4	2.6	280	0	46	5.6	.1	30	386	.23	1000	730	320	
133-058-13CCC	112EGLV	90	76-06-24	625	7.9	8.2	200	0	56	15	57	37	1.7	5.4	294	0	20	53	.3	30	365	.23	40	80	550	
133-058-140BB	112EGLV	80	77-06-30	500	7.7	---	250	12	67	20	11	9	.3	2.0	290	0	28	8.2	.1	22	305	.23	420	1700	560	
133-058-148BB1	112BGFV	153	77-04-21	2600	8.0	7.5	240	0	64	20	480	80	13	11	490	0	48	990	.5	28	1480	.36	1600	650	320	
133-058-148BB2	112BGFV	199	77-04-21	3000	8.5	---	140	0	31	15	600	90	22	5.7	486	23	12	710	1.0	26	1600	.23	2100	0	100	
133-058-19CCD	2170KOT	1215	74-09-11	3100	7.6	17.0	82	0	20	7.8	680	94	33	14	200	0	1200	94	1.9	4.2	2170	.16	500	80	40	
133-058-220001	2170KOT	1240	76-06-16	4000	8.5	11.2	120	0	36	7.3	840	93	33	15	235	2	1400	240	2.3	8.2	2610	.23	1700	2500	60	
133-058-24AAA2	112EGLV	50	76-06-25	300	7.7	---	260	28	66	23	9,9	8	.3	2.6	282	0	43	6.2	.2	29	309	.23	0	270	540	
133-058-25AAA1	112EGLV	41	76-03-23	675	7.5	8.5	340	5	70	4.0	21	12	.5	5.5	408	0	49	5.4	.1	21	424	.05	120	330	360	
133-058-25AAC	112EGLV	49	77-04-29	540	7.7	8.5	300	41	70	30	12	8	.3	2.9	314	0	56	5.7	.1	20	364	.23	520	810	420	
133-058-25BBB	112EGLV	64	76-06-29	1120	7.6	8.5	580	210	130	62	57	17	1.0	10	451	0	270	61	.3	30	844	.23	0	5400	1400	
133-058-25CC1	112BGFV	201	75-05-28	2310	8.0	---	120	0	31	7.9	430	88	17	1.7	4.6	315	0	39	13	.2	21	359	.23	2200	2800	280
133-058-25CC2	112EGLV	46	75-05-28	582	7.9	---	250	0	68	20	24	17	.7	4.6	315	0	39	13	.2	21	359	.23	390	760	360	
133-058-26ADD2	112EGLV	---	77-06-29	670	7.3	8.5	330	73	80	32	16	9	.4	2.7	315	0	96	10	.1	23	423	.23	420	1700	520	
133-058-26ADD1	112EGLV	---	77-07-19	770	8.0	9.0	310	71	81	31	17	10	.4	3.2	316	0	100	14	.1	31	456	.23	0	1000	540	
133-058-36ABC	112EGLV	60	77-07-27	560	7.5	---	280	46	68	27	9.8	7	.3	3.1	287	0	64	5.0	.0	26	349	.56	420	3400	500	
133-058-36CA2	112EGLV	112	77-07-27	500	7.4	---	250	25	64	22	15	11	.4	2.6	275	0	53	5.8	.0	27	327	.23	0	380	600	
134-053-09CC2	1125NDL	51	74-12-29	700	7.7	---	340	14	94	26	16	9	.4	3.4	340	0	18	14	.3	16	412	.23	0	3800	500	
134-053-12BBB1	112BGFV	221	74-12-19	4710	7.8	9.5	340	0	88	23	960	86	23	11	430	0	1200	630	1.9	18	3210	.32	3300	800	600	
134-053-12BBB2	1125NDL	61	74-12-18	770	7.9	9.0	360	0	92	38	26	13	.6	5.6	480	0	25	4.6	.5	19	472	.23	200	2100	200	
134-053-20DD1	112BGFV	150	78-05-04	1000	8.0	8.5	220	0	67	13	150	58	4.4	12	415	0	180	27	.3	29	722	.56	1000	430	140	
134-053-23ADC	2170KOT	570	77-05-03	5000	8.4	11.0	54	0	34	7.2	1100	98	65	4.5	325	12	1300	500	2.5	7.1	3070	.23	2800	40	20	
134-053-25BCA2	1125NDL	51	74-12-18	2300	8.0	7.0	1000	730	280	78	180	28	2.5	8.4	340	0	930	140	.8	18	1900	.23	200	40	2000	
134-054-07CDC	1125NDL	34	72-09-21	3400	7.3	11.0	2200	1900	240	400	110	9	1.0	9.0	448	0	2000	21	.3	26	3210	15	170	0	70	
134-054-09AAA2	1125NDL	33	78-05-03	570	7.4	8.5	300	0	83	23	13	8	.3	2.9	373	0	13	3.1	.2	27	371	.16	140	5400	420	
134-054-16ADD2	1125NDL	39	76-05-03	520	7.2	8.5	260	0	70	21	10	8	.3	2.1	341	0	1.6	1.9	.1	26	306	.23	230	---	560	
134-054-28BBA	2170KOT	580	77-05-04	4000	7.9	13.0	130	0	40	7.3	900	92	34	24	348	0	1000	510	2.9	7.2	2790	.23	1900	350	20	
134-054-34BBB1	1125NDL	55	77-04-07	670	8.0	8.5	270	0	65	26	36	22	1.0	4.8	316	10	70	6.7	.1	27	380	.23	40	540	400	
134-054-34BBB2	1125NDL	31	77-04-07	640	7.6	8.0	290	30	72	17	11	11	.4	3.2	318	0	66	5.1	.1	26	375	.23	40	1500	440	
134-054-34CCC	1125NDL	30	77-09-29	580	8.0	8.0	230	0	66	16	35	26	1.0	4.0	325	0	39	10	.1	29	369	.23	240	---	---	
134-054-36CC2	1125NDL	19	77-09-28	550	7.7	10.0	280	45	81	19	7.3	5	.2	1.5	287	0	46	6.2	.1	27	363	.23	190	770	640	
134-055-03BBC	2170KOT	715	77-05-25	3900	7.9	---	190	0	61	9.2	760	88	24	33	353	5	1100	360	2.7	7.3	2510	.23	1600	1500	70	
134-055-07BAB	2170KOT	---	69-04-05	4000	7.9	13.5	110	0	37	4.0	890	94	37	19	322	0	1100	500	3.6	7.5	2690	.11	1900	480	---	
134-055-16DDD	112BGFV	46	78-04-27	1300	7.7	8.0	750	490	210	55	33	9	.5	7.4	389	0	490	3.6	.2	27	1110	.23	270	1100	1400	
134-055-22ABA	112BGFV	85	77-05-26	1400	7.1	---	700	310	190	55	69	17	1.1	9.9	479	0	469	6.3	.1	27	1670	.23	280	2500	700	
134-056-11AAD1	111ALWH	45	77-06-01	1500	7.2	---	690	210	160	49	110	28	2.0	7.4	482	0	330	92	.1	20	1040	1.2	240	2400	1200	
134-056-11AAD2	111ALWH	38	77-06-16	1150	7.2	---	450	110	110	43	87	29	1.8	6.8	415	0	240	47	.2	18	773	.23	240	570	600	
134-056-11ABA	2170KOT	840	77-06-01	4000	8.3	---	100	0	30	6.1	880	94	38	18	264	4	1300	340	3.2	5.8	2680	.23	1500	2500	60	
134-056-14AAB	2170KOT	700	77-04-19	3900	8.2	---	110	0	30	8.5	850	93	35	20	285	4	1200	390	3.6	7.3	2620	.23	1900	150	70	
134-056-28CDD1	2170KOT	785	68-04-11	3800	8.4	8.0	82	0	27	3.5	850	95	43	21	310	5	1300	360	4.2	7.5	2700	.00	2700	5000	---	
134-056-28CDD2	2170KOT	955	68-04-11	3800	8.1	14.5	100	0	32	5.4	840	93	36	20	256	0	1300	300	3.0	8.4	2650	.00	2200	1300	---	
134-056-30DBB	112BGFV	955	77-04-19	3900	8.1	13.0	100	0	31	5.5	840	94	37	19	263	0	1300	3								

LOCAL IDENTIFIER	PRINCIPAL ANALYTES	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (UMHO/CM AT 25°C)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (CA/MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION (MG/L)	DIS-SOLVED TASSIUM (MG/L)	BICARBONATE (MG/L)	CARBONATE (MG/L)	DIS-SOLVED SULFATE (MG/L)	DIS-SOLVED CHLORIDE (MG/L)	DIS-SOLVED FLUORIDE (MG/L)	DIS-SOLVED SILICA (MG/L)	DIS-SOLVED (RESIST) DUE AT 100°C (MG/L)	DIS-SOLVED NITRATE (MG/L)	DIS-SOLVED BORON (MG/L)	DIS-SOLVED IODINE (MG/L)	DIS-SOLVED MANGANESE (MG/L)
134-057-18CCC2	112EGLV	35	76-06-30	580	8.0	8.0	290	70	77	24	18	12	0.5	3.0	269	0	100	10	0.0	27	295	0.23	340	120	480
134-057-18DD0	112EGLV	31	75-11-11	600	7.8	8.0	310	130	84	24	3.7	3	.1	4.0	224	0	110	16	.1	17	403	.56	120	190	600
134-057-20ABB	112EGLV	99	77-08-23	500	7.9	7.5	260	0	76	17	15	11	.4	5.9	325	0	24	2.2	.1	12	312	.23	50	240	400
134-057-20CCC2	112EGLV	36	76-06-30	440	7.9	8.0	210	0	64	18	22	18	.7	4.5	278	0	22	1.7	.1	30	280	.23	0	270	570
134-057-23DBC	112EGFV	125	77-06-15	1950	7.2	9.0	440	26	110	40	290	58	6.0	13	505	0	590	72	.2	17	1580	.23	1000	2200	140
134-057-30DDC2	112EGLV	16	76-06-29	520	8.1	7.0	260	55	66	23	12	9	.3	5.1	249	0	54	8.4	.1	27	357	3.6	0	60	60
134-057-31CCC	112EGLV	51	76-03-23	840	8.2	---	310	7	71	32	76	34	1.9	6.7	368	0	180	6.6	.3	20	562	.05	120	120	400
134-058-01CDD	112EGLV	36	77-07-27	510	7.8	---	270	49	62	28	4.7	4	.1	2.1	259	5	52	4.3	.0	25	338	.23	0	570	380
134-058-01DD02	112EGLV	87	77-07-27	650	7.4	---	330	59	92	24	9.4	6	.2	3.9	329	0	89	4.2	.0	27	418	.23	100	450	760
134-058-12AAA	112EGLV	60	77-08-09	550	8.2	---	290	55	74	26	11	7	.3	4.1	269	10	68	5.4	.1	20	350	.23	30	0	390
134-058-12AAC	112EGLV	59	76-07-01	500	7.9	---	260	51	68	22	7.3	6	.2	3.5	255	0	57	2.6	.0	27	339	.61	300	210	480
134-058-12CCD	112EGLV	---	77-07-27	500	7.4	---	260	40	66	23	3.5	3	.1	2.5	268	0	52	2.3	.0	25	284	.23	70	180	480
134-058-13AAB	112EGLV	75	77-08-10	480	7.5	7.7	300	98	80	26	4.7	3	.1	2.3	244	0	100	5.3	.0	27	410	1.3	260	120	440
134-058-13ADA	112EGLV	80	77-06-09	600	7.5	8.5	320	110	120	4.9	4.0	3	.1	2.4	254	0	100	13	.1	22	482	3.6	140	180	300
134-058-13BAA	112EGLV	58	78-04-28	560	8.0	---	250	35	59	25	29	20	.8	5.1	263	0	72	13	.1	26	348	.07	230	120	1100
134-058-13BDB	112EGLV	21	76-07-01	550	7.8	6.0	290	72	70	28	14	9	.4	2.8	266	0	85	8.4	.0	25	343	.23	380	60	640
134-058-13CDD	112EGLV	45	76-07-01	490	7.5	8.0	250	34	66	21	5.6	5	.2	2.4	265	0	49	2.2	.0	28	293	.23	260	480	480
134-058-13DD0	112EGLV	41	77-08-23	440	8.0	8.5	230	48	62	18	1.1	8	.3	3.2	253	3	56	2.0	.0	11	209	.23	70	280	340
134-058-13DD0	112EGLV	---	77-07-27	560	7.4	8.0	290	88	76	26	3.9	3	.1	2.1	244	0	66	8.4	.0	26	358	.56	0	200	520
134-058-23AAA2	112EGLV	42	77-08-11	460	7.8	6.5	230	4	62	18	13	11	.4	2.9	274	0	15	28	.1	21	281	.23	70	60	870
134-058-24A0B	112EGLV	63	75-08-07	540	7.8	---	260	70	67	23	4.6	4	.1	2.9	234	0	61	3.3	.1	17	328	3.8	0	250	410
134-058-24BBA	112EGLV	101	75-11-11	440	7.9	8.0	220	0	64	15	7.4	7	.2	3.9	272	0	12	2.1	.1	17	255	.56	80	540	700
134-058-24CCC2	112EGLV	60	68-03-01	466	7.9	---	260	64	70	21	5.1	4	.1	3.2	253	0	43	3.9	.1	28	289	.23	150	780	---
134-058-24D8B2	112EGLV	60	77-06-29	500	7.4	8.5	270	57	70	23	4.5	3	.1	1.8	259	0	68	1.3	.1	20	326	.23	490	1100	540
134-058-24DCA	112EGLV	56	77-06-29	500	7.4	8.0	280	62	74	23	4.0	3	.1	1.9	265	0	72	2.0	.1	21	344	.23	490	450	540
134-058-25CDD1	112EGLV	69	76-12-21	600	8.3	7.5	250	34	47	20	12	9	.3	2.4	259	2	57	7.5	.1	25	327	.23	110	40	380
134-058-25CDD2	112EGLV	65	76-12-22	580	8.2	7.5	270	52	69	24	11	8	.3	2.5	267	0	67	.2	.0	25	348	.23	110	60	480
134-058-25DCC1	112EGLV	119	76-12-22	1100	8.4	7.5	180	0	48	15	140	62	.4	5.7	360	4	82	79	.4	24	580	.23	750	80	340
134-058-25DCC2	112EGLV	61	76-12-21	820	8.6	7.5	350	110	95	27	17	0	.6	3.4	274	7	130	17	.0	24	490	.23	40	0	650
134-058-25DCC3	112EGLV	69	76-12-21	870	8.4	7.5	380	190	100	32	15	8	.3	2.8	295	4	160	1.1	.1	25	521	.23	140	150	720
134-058-25DCC4	112EGLV	36	76-12-21	740	8.6	7.5	340	92	90	28	8.0	5	.2	2.2	288	7	110	.2	.0	23	449	.23	180	0	280
134-058-25DCC7	112EGLV	69	76-12-21	650	8.4	7.0	330	110	89	26	11	7	.3	2.6	269	2	130	.5	.0	26	435	.23	70	20	650
134-058-25DCC8	112EGLV	36	76-12-22	580	---	7.5	290	100	67	30	13	6	.2	3.2	224	3	120	.2	.0	21	340	.23	0	80	280
134-058-25DCC9	112EGLV	75	77-05-11	640	8.1	7.0	360	190	90	33	8.2	5	.2	2.3	276	0	120	1.1	.1	27	480	.23	670	630	600
134-058-25DCC9	112EGLV	75	77-05-12	610	8.1	9.0	360	190	91	32	7.4	4	.2	2.4	278	0	120	10	.1	27	483	.56	40	750	570
134-058-25DCC9	112EGLV	75	77-05-13	640	7.9	8.0	340	110	90	28	7.6	5	.2	2.4	277	0	110	9.7	.1	26	460	.70	70	350	560
134-058-26A8B	112EGLV	21	77-08-23	725	7.5	8.0	380	5	93	36	20	10	.4	3.4	458	0	43	7.2	.1	11	461	.23	50	450	480
134-058-33BBA	2170KOT	1362	77-05-26	4000	7.9	18.5	170	0	52	9.8	880	91	29	24	239	4	1200	500	2.7	9.4	2830	.23	1900	950	80
134-058-36CCC	112EGLV	51	76-06-29	450	7.9	8.0	240	23	63	20	8.6	7	.2	2.1	264	0	33	2.8	.1	29	294	.23	0	150	620
135-053-10B8C	1125NDL	34	77-04-05	790	7.9	7.0	400	0	120	24	13	7	.3	3.3	510	15	.0	2.4	.1	40	466	.23	0	2700	2700
135-053-16CCC	1125NDL	40	73-07-31	453	8.0	8.0	250	13	69	19	6.5	5	.2	2.0	290	0	17	5.9	.2	26	252	.23	0	2100	1400
135-053-16D0D	1125NDL	40	77-04-06	500	7.8	---	250	0	67	20	6.5	5	.2	1.9	299	4	14	2.9	.1	27	277	.45	70	2000	1000
135-053-17ABB	2170KOT	580	77-05-03	4400	8.4	11.0	46	0	100	34	15	8	.3	4.3	485	10	6.2	5.2	.1	28	432	.23	40	1200	680
135-053-17ABB	2170KOT	---	77-05-03	4400	8.4	11.0	46	0	100	34	15	8	.3	4.3	485	10	6.2	5.2	.1	28	432	.23	40	1200	680
135-053-20B	1125NDL	---	77-07-19	480	7.9	10.0	220	2	62	16	4.2	4	.1	1.7	267	0	14	4.1	.1	31	257	.23	0	3900	1100
135-053-21D8D	1125NDL	37	77-07-19	610	7.8	10.0	250	0	72	17	21	15	.6	1.9	330	0	23	7.1	.1	28	344	.23	100	7900	1200
135-053-22CCC	1125NDL	64	77-04-06	790	7.4	8.0	380	0	110	26	10	5	.2	3.7	490	0	9.9	5.9	.1	28	438	.23	0	3900	540
135-053-30B8B	1125NDL	28	78-05-03	560	7.5	8.5	300	0	83	25	9.5	6	.2	2.9	391	0	.8	1.3	.1	26	395	.23	320	8800	340
135-054-01CCC	1125NDL	17	63-10-05	478	7.6	---	220	53	67	13	11	10	.3	2.6	205	0	78	.0	.2	19	313	.00	0	720	---
135-054-10CAD	1125NDL	17																							

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LOCAL IDENTIFIER	PRINCIPAL AQUIFER	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (UMHO/CM AT 25°C)	PH	TEMPERATURE (DEG C)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (MGCO3)	CARBONATE (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SILO2) (MG/L)	DIS-SOLVED RESIDUE AT 180°C (MG/L)	DIS-SOLVED NITRATE (NM) (MG/L)	DIS-SOLVED BORON (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
135-056-368CC	1128GFV	71	77-05-25	1900	6.9	8.0	860	480	220	75	140	26	2.1	9.8	667	0	710	42	0.3	25	1530	0.54	660	430	310
135-057-08C88	1128GFV	118	77-05-24	2200	6.8	9.0	1100	570	300	85	130	20	1.7	11	644	0	780	67	4	28	1910	0.23	590	3900	1700
135-057-1288C	217DKOT	817	77-05-29	3600	7.7	15.0	250	95	75	15	730	85	20	29	261	0	1100	390	2.1	8.5	2410	0.23	1400	1100	80
135-057-164AC	111ALWM	26	77-05-25	4200	6.8	8.0	2200	1600	510	230	210	17	1.9	19	742	0	1300	160	3	21	3620	120	490	300	2400
135-058-0408C	112SDPR	52	77-06-14	650	7.3	8.0	330	74	88	27	9.8	6	2.2	3.0	313	0	72	6.8	1.1	13	419	2.7	100	650	880
135-058-040DD1	112SDPR	38	76-05-25	515	7.9	8.0	260	30	72	19	12	9	3.3	2.7	278	0	44	1.4	1.1	28	338	0.23	720	100	580
135-058-074CC	217DKOT	1215	77-05-24	3100	7.9	13.0	450	270	120	36	510	69	10	44	217	0	1200	160	1.0	7.2	2190	0.23	940	3700	100
135-058-1388B	2118RRR	49	76-05-05	1700	6.9	8.0	600	220	160	49	200	41	3.5	13	464	0	510	120	5	22	1340	0.09	1100	6800	260
135-058-268AA	112EGLV	31	77-08-24	460	7.9	8.5	240	38	65	19	8.7	7	2.2	3.0	239	4	55	2.7	0	12	285	0.23	90	140	400
135-058-350DD	112EGLV	51	76-03-23	850	7.7	7.5	400	96	100	36	30	14	1.7	5.1	368	0	150	11	1.1	20	560	0.32	0	250	700
135-058-36CDD	112EGLV	84	77-08-23	1100	8.0	8.5	620	370	170	48	20	6	3.3	5.0	305	2	370	39	0	11	905	0.23	50	40	800
136-053-210DD2	1125NDL	41	77-04-06	340	7.8	8.0	270	0	76	19	9.6	7	3.3	2.4	345	3	6.6	3.0	3.3	28	305	0.23	40	2300	640
136-053-254AAZ	1125NDL	63	77-04-06	400	8.0	7.5	240	15	65	19	3.4	3	1.1	1.2	261	7	20	2.2	1.1	21	256	0.23	0	270	380
136-053-29AAZ	1125NDL	23	63-10-15	539	7.9	8.0	270	5.7	74	21	5.0	4	1.1	1.0	249	0	75	0	0.6	22	336	0.00	0	720	660
136-053-29AAZ	1125NDL	23	77-04-05	400	8.0	7.5	250	3.3	69	19	3.7	3	1.1	1.6	251	7	31	8.4	1.1	26	296	0.23	0	290	440
136-054-03CC	217DKOT	560	76-07-01	4600	7.6	12.0	290	100	87	18	850	85	22	31	228	0	1300	490	2.3	6.8	2780	0.23	1700	2700	80
136-054-110CB	1128GFV	60	76-07-02	1660	7.1	8.5	710	350	200	51	91	21	1.5	14	426	0	540	24	2	32	1220	0.43	540	270	1100
136-054-170DB	217DKOT	410	77-05-02	3500	7.7	12.5	450	270	130	30	680	76	14	4.9	224	0	1300	360	1.4	7.1	2630	0.23	1300	820	60
136-054-208AA	1128GFV	38	76-07-01	1930	7.2	9.5	950	190	150	43	130	33	2.4	12	438	0	410	36	4	32	1060	2.7	230	1000	800
136-054-24C8B	1128GFV	21	76-07-01	4450	6.9	11.0	1600	1200	370	160	290	28	3.2	20	484	0	1000	500	2.2	26	3010	27	530	0	480
136-054-28CC2	1128GFV	30	76-04-28	525	7.8	8.0	290	28	76	24	11	8	3.3	3.6	318	0	38	3.9	1.1	29	358	0.23	230	690	1100
136-054-33C88	217DKOT	600	76-07-01	4400	7.7	17.0	170	0	51	10	830	90	28	28	292	0	1200	430	1.5	8.0	2660	0.16	1700	2200	40
136-055-018CC	217DKOT	850	76-07-01	4600	7.6	14.5	230	27	69	14	880	88	25	30	247	0	1200	510	11.2	8.8	2830	0.16	1700	440	20
136-055-040DB	111ALWM	38	77-05-03	1300	7.1	7.0	670	320	170	60	59	16	1.0	6.3	426	0	400	38	1.1	26	1010	1.45	180	620	1100
136-055-09AAA	1128GFV	201	75-01-07	1500	7.5	7.0	730	420	170	74	69	17	1.1	7.8	380	0	500	172	2.4	15	1130	0.05	120	130	1100
136-055-1288B	1128GFV	30	76-07-01	1070	6.9	10.0	510	170	130	45	22	8	4.4	6.2	420	0	210	4.9	1.1	28	670	1.7	110	60	10
136-055-17CC2	1128GFV	91	77-06-23	2100	7.8	9.0	1200	800	320	97	68	11	9.9	11	491	0	910	4.3	1.1	16	1840	0.23	210	550	1300
136-055-198CC	1128GFV	60	76-07-01	2020	6.6	6.0	1100	700	300	85	48	9	5.6	7.8	482	0	810	6.0	4	29	1600	2.0	190	20	10
136-055-21AAA2	1128GFV	75	77-06-22	1550	7.5	8.0	810	410	210	69	53	12	0.8	10	487	0	510	12	1.1	17	1140	0.23	240	1600	1500
136-055-22CC	1128GFV	72	76-07-01	2120	6.6	9.0	1100	690	280	97	110	18	1.4	11	504	0	820	21	1.1	30	1710	4.3	150	230	960
136-055-2788C	217DKOT	690	76-07-01	3900	7.3	12.5	440	340	120	34	620	73	13	44	128	0	1200	300	1.1	8.8	2470	0.23	1300	2900	80
136-056-02CDD	217DKOT	786	76-07-01	4700	7.4	12.0	670	500	180	54	720	68	12	46	215	0	1300	540	1.0	10	3000	0.23	1300	1400	80
136-056-02DDD	1128GFV	244	75-03-23	3300	7.9	9.0	200	0	57	14	630	86	19	15	510	0	280	630	1.7	22	1940	0.23	3500	820	320
136-056-140AA	1128GFV	64	76-07-01	2160	6.8	7.5	1200	880	290	120	52	8	4.6	7.7	412	0	870	72	1.1	32	1800	3.4	40	100	20
136-056-180CB	1128GFV	31	76-07-01	1600	7.1	9.0	770	370	190	72	64	15	1.0	11	495	0	500	7.8	2.2	29	1140	0.77	260	4400	720
136-056-210CC	217DKOT	1320	76-06-30	4550	7.3	15.0	100	0	28	7.3	940	94	41	29	468	0	350	1000	1.6	6.8	2640	0.27	2500	580	80
136-056-288AD	1128GFV	55	76-06-30	3450	7.0	8.0	1400	1100	300	160	230	26	2.7	12	412	0	730	460	4	27	2510	4.3	640	210	1400
136-057-02CCA	1128GFV	76	76-06-30	3250	7.0	11.0	1600	980	380	160	40	5	4.4	25	763	0	370	290	1.1	25	1960	75	0	0	200
136-057-040CB	217DKOT	1500	76-06-30	4950	7.7	16.0	300	130	87	20	930	86	23	33	208	0	1200	720	2.7	11	3000	0.23	1400	330	60
136-057-190DB	217DKOT	742	76-06-29	4990	7.7	14.0	120	0	30	11	1000	93	40	30	529	0	280	1200	3.7	7.9	2750	0.23	2800	250	10
136-057-268AB	1128GFV	80	76-06-30	4600	7.2	8.0	2700	2300	470	370	250	17	2.1	18	500	0	2400	140	2.2	28	4240	0.23	230	70	10
136-057-31CDB	1128GFV	186	76-06-30	2820	8.1	11.5	28	0	5.5	3.5	660	97	54	11	960	0	310	270	3.2	6.3	1780	0.99	4200	20	10
136-058-02DBA	111ALWM	76	76-06-29	2590	7.2	8.5	780	510	210	62	310	46	4.8	9.7	399	0	960	140	4	28	1930	0.23	380	250	3700
136-058-04AAA	112SDPR	15	76-06-29	595	7.4	10.0	280	74	88	27	17	12	4.4	1.9	252	0	79	4.7	2.2	27	390	5.4	420	20	60
136-058-12DAD	217DKOT	1100	76-06-29	3600	8.0	16.0	140	0	36	12	770	17	28	24	280	0	1200	300	3.0	9.4	2440	0.07	1800	150	20
136-058-308AB	217DKOT	1209	76-06-30	3250	7.4	16.0	810	650	200	75	450	53	6.9	43	199	0	1300	230	1.7	10	2440	0.23	490	2500	80
136-058-338AC1	112SDPR	24	76-06-29	995	7.3	7.0	490	230	100	58	16	7	3.3	3.6	311	0	100	47	4	25	624	25	40	20	20
136-058-																									

TABLE 5.--Chemical analyses of ground water for trace constituents

Principal aquifer  
 111, Holocene; 112, Pleistocene; 217, Lower Cretaceous  
 ALVM, alluvium; BDVL, buried valley deposits; BGFV, buried glaciofluvial deposits;  
 DKOT, Dakota Sandstone; SPRD, Spiritwood aquifer

Location	130-055-24DDA	130-056-01AAB1	132-054-09DCA	132-056-25BBC	134-056-11AAD1	134-057-23DBC	136-054-17DDB	136-055-04DDB
Principal aquifer	112SPRD	112SPRD	217DKOT	112BDVL	111ALVM	112BGFV	217DKOT	111ALVM
Total depth of well (feet)	170	185	675	187	45	125	610	38
Date of sample	77-06-02	77-06-23	77-06-28	77-06-01	77-06-01	77-06-15	77-05-02	77-05-03
Dissolved aluminum (Al) (ug/L)	0	10	30	0	0	0	20	20
Dissolved barium (Ba) (ug/L)	0	0	0	0	0	0	0	0
Dissolved beryllium (Be) (ug/L)	0	0	0	0	0	0	0	0
Dissolved cadmium (Cd) (ug/L)	1	1	1	1	1	1	0	0
Dissolved chromium (Cr) (ug/L)	0	0	0	0	0	10	0	0
Dissolved cobalt (Co) (ug/L)	2	0	0	0	2	0	0	2
Dissolved copper (Cu) (ug/L)	2	0	0	0	5	0	0	3
Cyanide (Cn) (mg/L)	.00	.00	.00	.00	.00	.00	.00	.00
Dissolved lead (Pb) (ug/L)	6	2	33	2	3	3	2	3
Dissolved lithium (Li) (ug/L)	150	240	230	220	90	230	340	100
Dissolved mercury (Hg) (ug/L)	.0	.0	.0	.0	.0	.0	.0	.0
Dissolved molybdenum (Mo) (ug/L)	5	4	25	2	3	14	4	2
Dissolved nickel (Ni) (ug/L)	3	1	1	4	7	1	2	6
Dissolved selenium (Se) (ug/L)	0	0	0	0	2	1	0	2
Dissolved silver (Ag) (ug/L)	0	0	0	0	0	0	0	0
Dissolved strontium (Sr) (ug/L)	650	440	600	850	870	1,000	3,100	700
Dissolved vanadium (V) (ug/L)	.0	1.0	5.7	.0	.0	.8	3.6	.1
Dissolved zinc (Zn) (ug/L)	20	4	80	20	20	50	8	20

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