

File No.

TRIPLICATE

T. 12N R. 11E
JUDITH BASIN
County

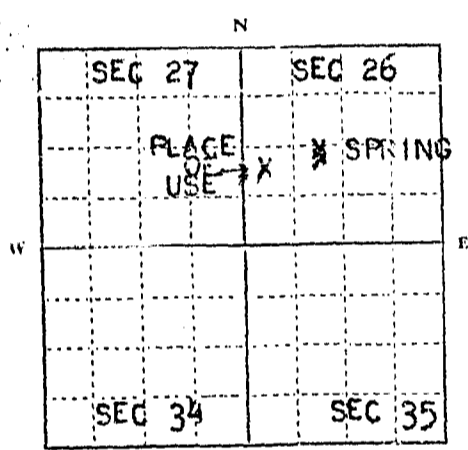
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

RECEIVED
JUN 11 1972
OFFICE OF THE STATE ENGINEER
MONTANA

Date of Appropriation of Groundwater..... JUNE 10, 1972
Owner..... J. ROBERT NOEL Address..... HOBSON, MONT.
Contractor (if any)..... NONE
Address of Contractor..... DOES NOT APPLY
Date Started..... JUNE 10, 1972 Date Completed..... JUNE 12, 1972



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable..... DEVELOPED A SPRING
WITH A HOLDING TANK AT A DEPTH OF FOUR FEET, FOREST LAND.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....
APPROXIMATELY 3 GALLONS PER MINUTE WAS MEASURED BY TIME AND GALLONAGE. WILL BE USED CONTINUOUSLY

SW 1/4 Sec. 26 T. 12N. 11E
Indicate point of appropriation and place of use, if possible.

Use? Domestic House Hold USE.

Doc. No. #758
Filed by
Date 16th November
A.D. 1972 2:45
o'clock P.M.

and lawn Irrigation
Signature of Owner J. Robert Noel
Date NOV 15, 1972

This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

RECEIVED
JAN 20 1973
OFFICE OF THE STATE ENGINEER
MONTANA

1-7.

51,820

File No.....

T. 12 R. 12

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... 1940

Owner... L. Phyllis Arnott Address..... Utica

Contractor (if any) Ed. Arnott

Address of Contractor Utica, Montana

Date Started..... 1940 Date Completed..... 1940

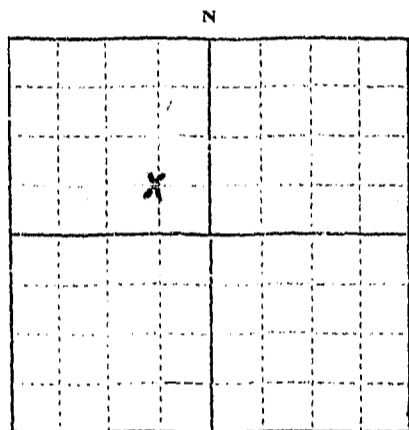
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Dug into Spring about 3 ft. and installed wooden casing.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

3 gallons per minute



SE 1/4 NW 1/4
..... 1/4 Sec. 4 T. 12 R. 12
Indicate point of appropriation and place of use, if possible.

Signature of Owner..... L. Phyllis Arnott

Date..... Dec. 23rd, 1963.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

32681

#405

L. Phyllis Arnett
SENW Sec. 4-12-12

State of Montana
County of Judith Basin

Filed this 27th day of
December A. D. 1963
at 10:45 o'clock A.M.

Delight Leslie
County Clerk

Fee \$2.00 Paid.

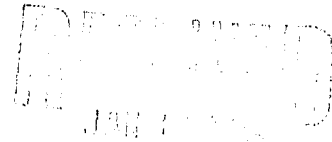
File No.....

T 12 R 12

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... ~~1961~~ 1961

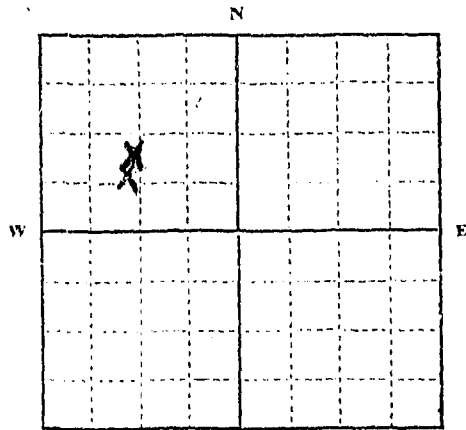
Owner L. Phyllis Arnott Address..... Utica

Contractor (if any) Edward F. Arnott

Address of Contractor Utica

Date Started... 1961 Date Completed... 1961

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable... Dug into spring 10ft. and installed galvanized casing.



SW 1/4 NW 1/4 Sec. 5 T 12 R 12

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

4 gallons per minute.

Signature of Owner L. Phyllis Arnott

Date Dec. 23rd, 1963.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

#404

L. Phyllis Arnott
SW&NW Sec. 5- 12-12

State of Montana
County of Judith Basin

Filed this 27th day of
December
~~October~~ A. D. 1965 at
10:40 o'clock A.M.

Delbert P. Peltier
County Clerk.

Fee \$2.00 Paid.

File No.

T. 12 R. 12

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964

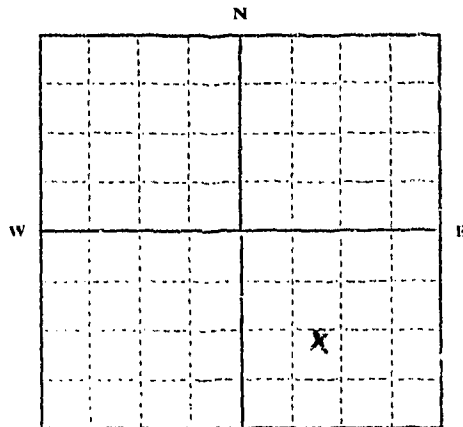
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. James Turner, of Hobson, (Name of Appropriator) (Address) (Town)

County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 / SE 1/4
1/4 Sec 8 T. 12 R. 12

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
Household & Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1925

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
5 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
well has hand pump for house only, raises and runs on down into a trough

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1925

8. The depth of water table
12 foot

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
15 foot hand dug & steel casing rocked the first 4 feet, the overflow is piped to a trough from the spring for stock water.

10. The estimated amount of groundwater withdrawn each year
Unknown

11. The log of formations encountered in the drilling of each well if available
none

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
none

Signature of Owner James Turner
Date December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32787

3511

VESTING CROWN WATER RIGHTS
JAMES TURNER

Sec. 3-12-12

State of Montana
County of Judith Basin

Filed for record this
31st day of Dec. A.D. 1963
at 11:55 o'clock A.M.
Delight Leslie, Clerk and C.

by _____ Dep

Fee \$2.00 pd.

File No. _____

T. 12 R. 13

DUPLICATE

County, Judith Basin

Dist. _____
Sec. _____
Cor. _____
Date _____
Demol. _____

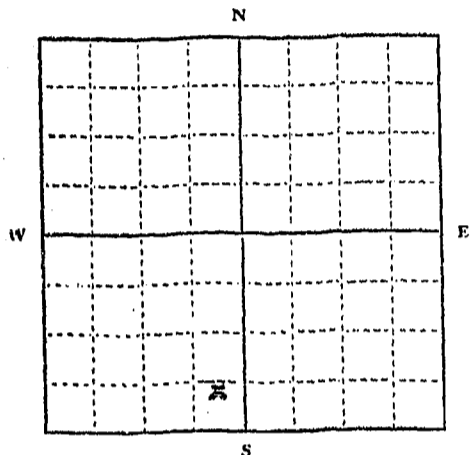
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Antoinette B. Nicholson, of Buffalo (Name of Appropriator) (Address) (Town)

County of Judith Basin State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW, Sec. 1 T. 12 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based... Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1940 - Continuous Use

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 15 G.P.M. PER MIN.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Piped into tank (Gravity)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... Approximately 1940

8. The depth of water table... 4 FT.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... SPRING

10. The estimated amount of groundwater withdrawn each year... 700,000 G.P.M. PER YEAR

11. The log of formations encountered in the drilling of each well if available... None

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record... [arrow pointing to a blank space]

Signature of Owner Antoinette B. Nicholson

Date Dec. 16, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40148

#674

ANTOINETTE B. NICHOLSON
SESW Sec. 1-12-13
WATER WELL

State of Montana
County of Judith Basin
Filed for record this
23rd day of Dec. A.D. 1965
at 8:15 o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty Crutcher Dep

File No. 23 1965

T. 12 R. 13

DUPLICATE

County Judith Basin

Dr. E. C. D. Dr.

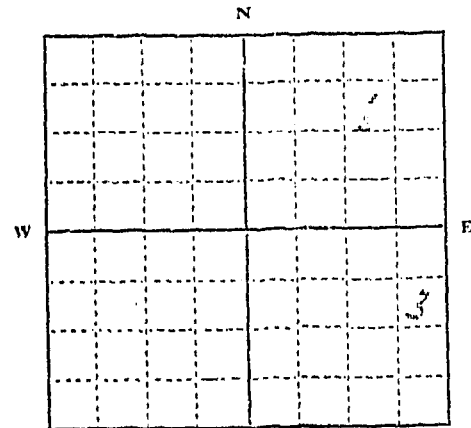
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Antoinette B. Nicholson, of Buffalo (Name of Appropriator) (Address) (Town)

County of Judith Basin State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



#3 NE 1/4 Sec. 2

N. 1/4 NW Sec. 2 T. 12 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based. Domestic & Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. #1 - SPRING - 1900 - CONTINUOUS USE #2 - DRILLED WELL - 1940 - CONTINUOUS USE #3 - SPRING - 1940 - CONTINUOUS USE

4. The amount of groundwater claimed (in miner's inches or gallons per minute). #1 - 15 G.P.M. PER MIN. #2 - PUMP 15 G.P.M. PER MIN. #3 - 5 G.P.M. PER MIN.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. No irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. #1 - CRAWLIE #2 - PUMP #1943 PIPED INTO #3 - CRAWLIE TANKS

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. #2 - Date Unknown, APPROXIMATELY 1940

8. The depth of water table. #1 & #3 - 2 FT #2 - 15 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. #2 - APPROXIMATELY 70 FT DEEP #3 - CRAWLIE

10. The estimated amount of groundwater withdrawn each year. 365,000 GAL PER YEAR

11. The log of formations encountered in the drilling of each well if available. Not Available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner: Antoinette B. Nicholson

Date: Dec. 16, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40150

#673

WATER WELL

Sec. 2-12-13

ANTOINETTE B. NICHOLSON
Buffalo, Montana

State of Montana
County of Judith Basin
Filed for record this
23rd day of Dec. A.D. 1965
at 8:10 o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty Ouburn Dep

File No.

T. 12 R. 13

DUPLICATE

County Judith Basin

LOG #2 Well

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

0	1	Topsoil, drift material
1	25	Hard rocks, sand, shale variegated colors, red, tan, white
25	75	Clay, sandstone very fine, silty, hard
75	110	Red slaty shale
110	135	Hard limy sandstone water

Owner: DONALD McKinley Address: Buffalo, Montana

Driller: George O. Singler Address: Lewistown, Montana

App. No. 130456

Date of Notice of appropriation of groundwater: None

Filed for record

Date well started: July 14, 1971 Date completed: July 16, 1971

on the 6 day of August

Type of well: Drilled Equipment used: Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

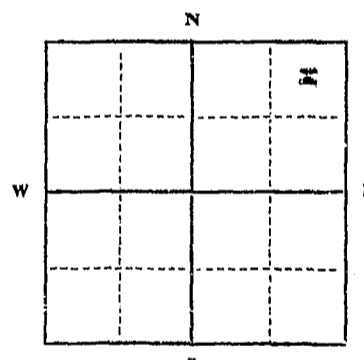
O. 19 71, at 1:30

o'clock P.M.

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7-7/8		0	35			
5-5/8	6" plastic	35	155			
	4" plastic	0	155	5/16" holes	100	155



Static Water Level for non-flowing well: 100 feet.

Shut-in Pressure for Flowing Well: None

Pumping Water Level: 140 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well: None

How Tested: Air and Bailing

Length of Test: 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE 1/4 Sec 10 T12 N R13 E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

19
Driller's License Number
Driller's Signature: *George O. Singler*

48847

130-150

#733

COMPLETION OF WELL

Donald McKinlay
Buffalo, Montana

NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10, T-12-R13

State of Montana
County of Judith Basin
Filed for record this
6th day of August 1971
A. D. at 1:30 P. M.

Delight Leslie, Co. Clerk
Marian Bellarsen
Deputy

Fee: \$2.00 paid

INDEXED *MB*

Form No. 18
8-60

12

T. 12N R. 13E
County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

STATE ENGINEER

WATER WELL LOG

X		

Owner J.J. STEEL Address Bossard, Mont.
Driller Wellman & Munson Ddy. Co. Address Gas Range, Mont.
Date Started Jan 9-1961 Date Completed Jan 10-1961
Location: Sec. 12 T. 12N R. 13E $\frac{1}{4}$ sec. NENW

Type of well Dug (Dug, driven, bored, or drilled) Equipment used Rotary (Churn, drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

Casing: 0 ft. to 50 ft. Type Plastic Size 4" O.D.

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 20 to ft. 28. Ft. _____ to ft. _____

Type of screen or perforations Regular

Static Water level, for non-flowing well: 10 feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level 18 feet at 5 gal. per min.

How tested: Bailing

Length of test one hour

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Cone type packer @ 8 ft. of cemented.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	Surface
10	20	Light brown sand
20	30	Light brown sand (shaly)
30	40	Light brown sand
40	50	Light brown sand
50	60	Light brown sand
60	70	Light brown sand
70	80	Light brown sand
80	90	Light brown sand
90	100	Light brown sand
100	110	Light brown sand
110	120	Light brown sand
120	130	Light brown sand
130	140	Light brown sand
140	150	Light brown sand
150	160	Light brown sand
160	170	Light brown sand
170	180	Light brown sand
180	190	Light brown sand
190	200	Light brown sand
200	210	Light brown sand
210	220	Light brown sand
220	230	Light brown sand
230	240	Light brown sand
240	250	Light brown sand
250	260	Light brown sand
260	270	Light brown sand
270	280	Light brown sand
280	290	Light brown sand
290	300	Light brown sand
300	310	Light brown sand
310	320	Light brown sand
320	330	Light brown sand
330	340	Light brown sand
340	350	Light brown sand
350	360	Light brown sand
360	370	Light brown sand
370	380	Light brown sand
380	390	Light brown sand
390	400	Light brown sand
400	410	Light brown sand
410	420	Light brown sand
420	430	Light brown sand
430	440	Light brown sand
440	450	Light brown sand
450	460	Light brown sand
460	470	Light brown sand
470	480	Light brown sand
480	490	Light brown sand
490	500	Light brown sand
500	510	Light brown sand
510	520	Light brown sand
520	530	Light brown sand
530	540	Light brown sand
540	550	Light brown sand
550	560	Light brown sand
560	570	Light brown sand
570	580	Light brown sand
580	590	Light brown sand
590	600	Light brown sand
600	610	Light brown sand
610	620	Light brown sand
620	630	Light brown sand
630	640	Light brown sand
640	650	Light brown sand
650	660	Light brown sand
660	670	Light brown sand
670	680	Light brown sand
680	690	Light brown sand
690	700	Light brown sand
700	710	Light brown sand
710	720	Light brown sand
720	730	Light brown sand
730	740	Light brown sand
740	750	Light brown sand
750	760	Light brown sand
760	770	Light brown sand
770	780	Light brown sand
780	790	Light brown sand
790	800	Light brown sand
800	810	Light brown sand
810	820	Light brown sand
820	830	Light brown sand
830	840	Light brown sand
840	850	Light brown sand
850	860	Light brown sand
860	870	Light brown sand
870	880	Light brown sand
880	890	Light brown sand
890	900	Light brown sand
900	910	Light brown sand
910	920	Light brown sand
920	930	Light brown sand
930	940	Light brown sand
940	950	Light brown sand
950	960	Light brown sand
960	970	Light brown sand
970	980	Light brown sand
980	990	Light brown sand
990	1000	Light brown sand

Water Well Log of

J. J. Steel
 No. 114 1/2, Sec. 12, Twp. 12, Rge. 13

State of Montana
 County of Judith Basin

Filed for this 13th day of
 January A. D., 1961 at 9:10
 o'clock A.M.

Delbert K. Kerk
 County Clerk.

12

File No.....

T. 12 R. 13

DUPLICATE

County Judith Basin

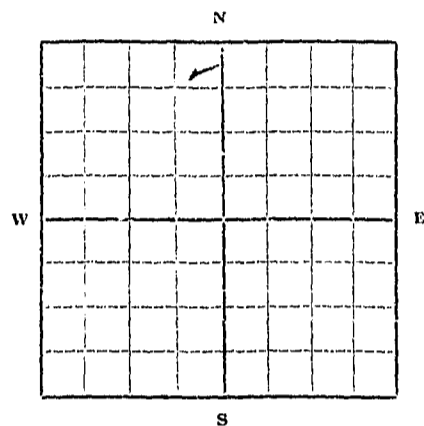
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER

1. B. D. Hollenback of Buffalo
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE NW 1/4 Sec. 12 T. 12 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been January 1960

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater January 1960

8. The depth of water table 20'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4" plastic pipe set into concrete

10. The estimated amount of groundwater withdrawn each year Not known

11. The log of formations encountered in the drilling of each well if available 50' deep

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner B. D. Hollenback

Date March 14, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

119068 #145

Vested Groundwater Rights

Filed for record this 14th
of March, 1962 at 3:15 O'clock P.M.

Delight Leslie, Clerk and Recorder

by Betty Crubman Dep

Fee \$2.00 pd.

File No.....

T. 12^N R. 13^W 13

DUPLICATE

County.....

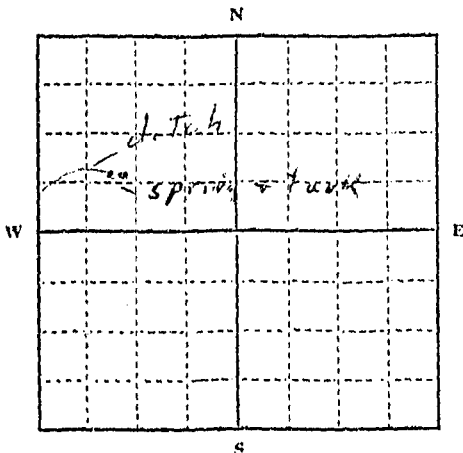
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold L. Dover of Buffalo Montana
(Name of Appropriator) (Address) (Town)

County of Jadith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 13 T. 12 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based Stock water and irrigation
- 3. Date or approximate date of earliest beneficial use, and how continuous the use has been Stock water development in early century - irrigation development in 1961
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approx 10 gallons a minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Pasture on hillside - Sub-irrigate 3 Acres - Harold Dover owner
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Artesian spring - piped out from side hill into a tank and overhead down ditch for irrigation

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sample taken in 1964 probably started 50 years ago
- 8. The depth of water table 4 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Collection box down six feet and piped out side hill
- 10. The estimated amount of groundwater withdrawn each year 5,256,000 gallons
- 11. The log of formations encountered in the drilling of each well if available Just dirt down to a rock ledge that has a clay bottom
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Harold L. Dover
Date September 17, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40715

#678

WATER WELL

Harold L. Dover
Buffalo, Montana

Sec. 13-12-13

State of Montana
County of Judith Basin
Filed for record this 29th
day of Dec. A.D. 1965 at 9:00
o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty Cruborn Dep

File No.....

T 12^N R 13^E 13

DUPLICATE

County.....Judith Basin.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

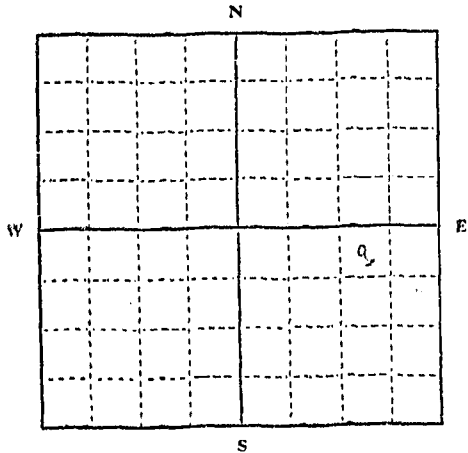
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, John W. Dover, of Buffalo,
(Name of Appropriator) (Address) (Town)

County of Judith Basin State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



~~NW 1/4 Sec 13~~ T.12. R.13.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...developed in 1936 and has had continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute)...15 gallons

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal...Spring boxes with 40 feet of pipe

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...1936

8. The depth of water table...surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater...shallow spring boxes with 40 feet of pipe to the water tank.

10. The estimated amount of groundwater withdrawn each year...150,000 barrels

11. The log of formations encountered in the drilling of each well if available...---

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record...---

Signature of Owner...John W. Dover

Date...Dec 28, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

46710

#683

JOHN W. DOVER
BUFFALO, MONTANA
NW1/4 Sec. 13-12-13

State of Montana
County of Judith Basin
Filed for record this 29th
day of Dec. A.D. 1965 at 9:25
o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty Cretkner Dep

File No. WATER CONSERVATION CO-OP'S

T. 12^N R. 13^E 14

County Judith Basin

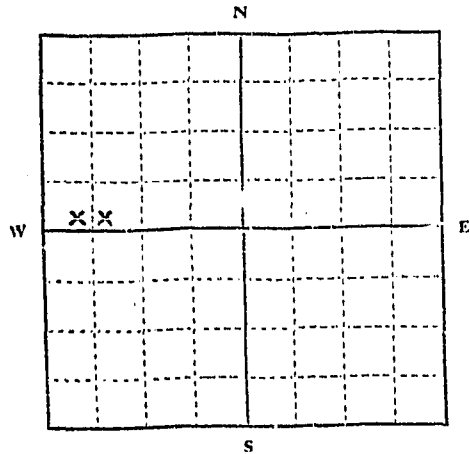
DUPLICATE 310 23 1965

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. H. D. McKinlay, of Hobson
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 14 T. 12 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based... livestock watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1950 to date in continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... all from two springs
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... two developed springs - piped from each spring - natural flow

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
8. The depth of water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
10. The estimated amount of groundwater withdrawn each year
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner H. D. McKinlay
Date Dec. 20, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40145

#666

H. D. McKinlay

NW 1/4 Sec. 14-12-13

State of Montana

County of Judith Basin

Filed this 20th day of
December A.D. 1965 at 2:30
o'clock P.M.

Delbert L. Lusk
Co. Clerk

File No. 228 1965

T. 12 R. 13

DUPLICATE

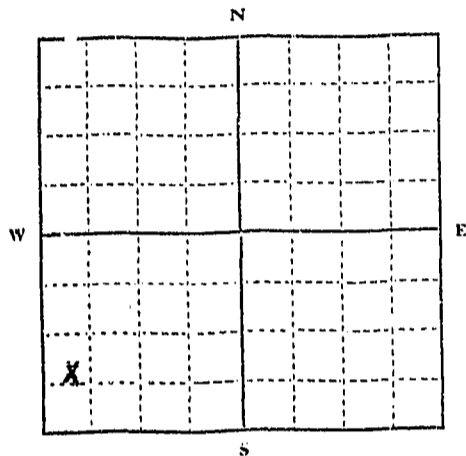
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Antoinette B. Nicholson, of Buffalo, County of Judith Basin, State of MONTANA have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SW Sec 20 T. 12 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based... Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1935 - CONTINUOUS USE

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 59 G.P.M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... None.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Piped into tank (GRAVITY)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... SPRING Rebuilt in 1960

8. The depth of water table... 2 Ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... SPRING

10. The estimated amount of groundwater withdrawn each year... 330,000 gal.

11. The log of formations encountered in the drilling of each well if available... None

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record...

Signature of Owner

Date Dec. 21, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40152

#671

WATER WELL
ANTOINETTE NICHOLSON
SWSW Sec. 20-12-13

State of Montana
County of Judith Basin
Filed for record this 23rd
day of Dec. A.D. 1965 at 8:00
o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty Crutcher Dep

STATE OF MONTANA
File No. _____

T. 12 R. 13

DUPLICATE

County Judith Basin

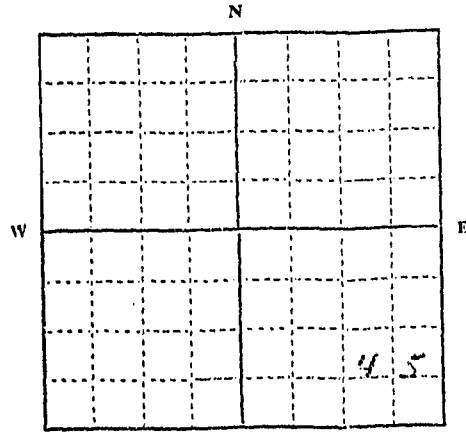
PREPARED BY
FILED
COUNTY
DATE
BY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Antoinette B. Nicholson, of Buffalo
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SE, Sec. 21, T. 12 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based Stock Water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been #4 1960 - Continuous Use
#5 - 1961 " " "
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) APPROX. 5 GPM PER MIN.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No IRRIGATION
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal GRAVITY
PIPED INTO TANKS
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960
- 8. The depth of water table 8 FT.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater SPRINGS
- 10. The estimated amount of groundwater withdrawn each year 120,000 GAL. PER YR.
- 11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Antoinette B. Nicholson
Date Dec. 16, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40151

#672

WATER WELL
ANTOINETTE B. NICHOLSON

SESE Sec. 21-12-13

State of Montana
County of Judith Basin
Filed for record this 23rd
day of Dec. A.D. 1965 at 8:05
o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty C. C. C. Dep

File No.

T. 12 R. 13

DUPLICATE

County...Judith Basin.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

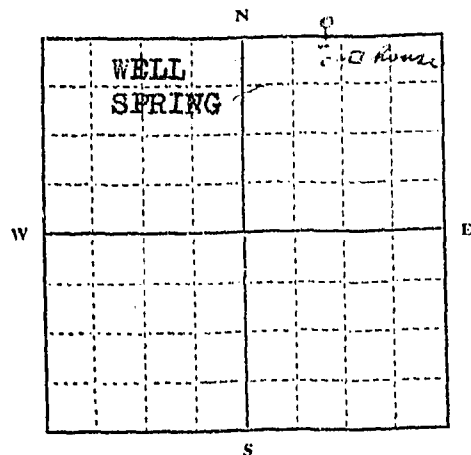
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, John W. Dover, of Buffalo,
(Name of Appropriator) (Address) (Town)

County of Judith Basin State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW-1/4 NE Sec 24 T. 12 R. 13.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based... Livestock and domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... Spring --- 1930, steady use
Well --- 1961, steady use

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... Spring --- 20 gallons
Well --- all --- 7 gallons

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Spring --- gravity and pump, pipe to house is 300 feet.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... Spring --- spring box in 1930 --- further work was done in 1961. Well --- 1961

8. The depth of water table. Surface Spring --- Well 241 feet artesian

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... Spring --- cement spring box 10 feet deep 3 feet diameter; electric pump; 300 feet of pipe to the house; water for livestock.
Well --- drilled 245 feet with 4 inch casing, pipe to water tank measures 30 feet.

10. The estimated amount of groundwater withdrawn each year... Spring 200,000 barrels --- Well 50,000 barrels

11. The log of formations encountered in the drilling of each well if available... Well is in Amsdem formation.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner John W. Dover
Date Dec 28 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40711

#682

JOHN W. DOVER
BUFFALO, MONTANA
NWNE Sec. 24-12-13

State of Montana
County of Judith Basin
Filed for record this 29th
day of Dec. A.D. 1965 at 9:20
o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty C. Cramer Dep

Record Stamped, Acc'd

24

Form No. 18
8-60

T. 12 R. 13
County JUDITH BASIN

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 15 1961

WATER WELL LOG

STATE ENGINEER

	X

Owner John Dover Address Boysa 20
Driller Wellman & Munson Drilling Co. Address Boysa Range, Mont.
Date Started Dec. 24-1960 Date Completed Dec. 30-1960
Location: Sec. 24 T. 12 R. 13 1/4 sec. NW 1/4 NE 4

Type of well Drilled Equipment used Rotary
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 241 ft. Type BLK. STD. Size 4 1/2 O.D. 11 #

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 235 to ft. 241. Ft. _____ to ft. _____

Type of screen or perforations Reg UL 44

Static Water level, for non-flowing well: _____ feet.

Shut-in pressure, for flowing well: Estimated 10 lb./sq. in. on Dec. 30-1960
(date)

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Cave type packers set at 45 ft at 20 ft.
Cemented in:

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	16	Surface Soil
16	19	Conglomerate & Bentonite
19	21	Hard Sandy Shale
21	27	Hard Cap Rock
27	33	Ironized Sand (water)
33	35	Hard Sand
35	41	" "
41	43	Shale - Lime
43	47	Sandy Lime
47	49	Dolomite
49	61	Shale - Lime - Sharp Sand streaks
61	66	Hard Sand + Lime streaks
66	73	Shale - Lime
73	137	Lime - Limy Sand - Shale Breaks
137	156	Red Clay - Variegated Shale
156	175	Variegated Shales - Lime
175	232	Sharp Sand - Dolomite - Lime -
232	235	Slate & Lime - Hard Sand Breaks -
235	237	Hard lite Sand - Shell - Hard Breaks -
237	244	Drilling Breaks - Grayish Sand - Good porosity
		Arterian flow, 4 to 6 gal/min.
John Dover	NW/NE 1/4 Sec. 24-12-13	
State of Montana	County of Judith Basin	
Filed this 13th day of	January A. D. 1961 at	
9:20 o'clock A.M.		
		<i>W. C. [Signature]</i> County Clerk.

File No.

T. 12 N R. 13 E

DUPLICATE

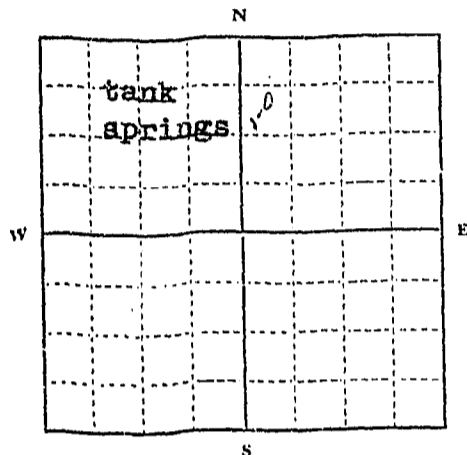
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John W. Dover, of Buffalo (Town)
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE Sec. 25 T. 12 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based **livestock**
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been **1919 continuous use**
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) **10 gallons per minute**
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **gravity flow from spring box by 3/4 inch pipe for 40 feet**
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **1919 with further improvement in 1936**
- 8. The depth of water table **surface**
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **spring box and pipe to water tank**
- 10. The estimated amount of groundwater withdrawn each year **100,000 barrels**
- 11. The log of formations encountered in the drilling of each well if available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

John W. Dover
Date *Dec 28, 1965*

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40709

#684

JOHN W. DOVER
BUFFALO, MONTANA
NWNE Sec. 25-12-13

State of Montana
County of Judith Basin
Filed for record this 29th day
of Dec. A.D. 1965 at 9:30 o'clock
A.M.
Delight Leslie, Clk. & Rec.
by Betty Cruikshank Dep

File No. DEC 28 1965

T. 12 R. 13

County Judith Basin

DUPLICATE

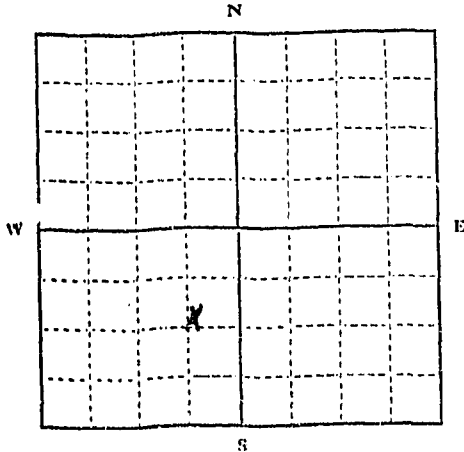
STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Antoinette B. Nicholson, of Buffalo

County of Judith Basin State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW 1/4 Sec. 27 T. 12 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based... Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1936- CONTINUOUS USE
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 4.941 PER MIN
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... PIPED INTO TANK (GRAVITY)
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 1936 - Rebuilt in 1961
8. The depth of water table... 3 FT
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... SPRING
10. The estimated amount of groundwater withdrawn each year... 250,000 GAL
11. The log of formations encountered in the drilling of each well if available... None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record...

Signature of Owner Antoinette B. Nicholson

Date Dec 21, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triuplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

#675

WATER WELL
ANTOINETTE B. NICHOLSON

NESW Sec. 27-12-13

State of Montana
County of Judith Basin
Filed for record this
23rd day of Dec. A.D. 1965 at
8:20 o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty Cremonese Dep

GROUNDWATER INDEX

Page ___ of ___

County Judith Basin Twp. 12 N Rge. 14 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Watson, Vernon E.	Well Log	200767	
5	McKinley, H.D.	BW-H	667	
5	" " Donald	3000	190304	
6	Hollenbeck, B.D.	- H	119060	
6	Olson, Ernest H.	GW 2	118846	
7	Hollenbeck, Ben	Well Log	-	
7	Dover, Harold L.	BW H	679	
9	Hollenbeck, B.D.	- H	119062	
9	Shawbury, Esther H.	- H	186	
9	" " "	- H	185	
9	" " "	- H	187	
11	Watson, Vernon E.	Well Log	200767	
11	" " "	" "	" #60	
16	Shawbury, Esther H.	BW-H	181	
16	" " "	- H	185	
16	" " "	- H	184	
17	" " "	- H	179	
17	" " "	- H	182	
18	Hollenbeck, B.D.	- H	119061	
19	Dover, John W.	- H	680	
21	Mokey, Colin C.	- H	677	
25	Lee, Ralph	- H	487	
30	Dover, John W.	- H	681	
31	Dover, Charles L.	- H	676	
35	Lee, Ralph	- H	488	
36	Wildschultz, Alvin B.	- H	177	
9	Shawbury, Esther	GW 2	708	
6	Olson, Ernest H.	GW 4	118846	

Form No. 18
8-60

T. 12N R. 11E

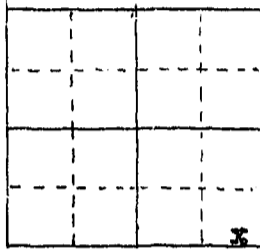
County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
AUG 17 1961

WATER WELL LOG

STATE ENGINEER



Owner Vernon E. Watson Address Hobson, Montana
Driller Thatcher Drilling Co. Address Stanford, Montana
Date Started Aug. 10, 1961 Date Completed Aug. 13, 1961
Location: Sec. 2 T. 12N R. 11E $\frac{1}{4}$ sec. SESE

Type of well Drilled (Dug, driven, bored, or drilled) Equipment used Rotary Drill (Churn, drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 105 ft. Type Galv. pipe Size 3in

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____. Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: three feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Set 105' Galvanized pipe (3 inch) cemented in.

(over)

File No.

T. 12 R. 14

STATE WATER CONSTRUCTION BOARD
DUPLICATE

County Judith Basin

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

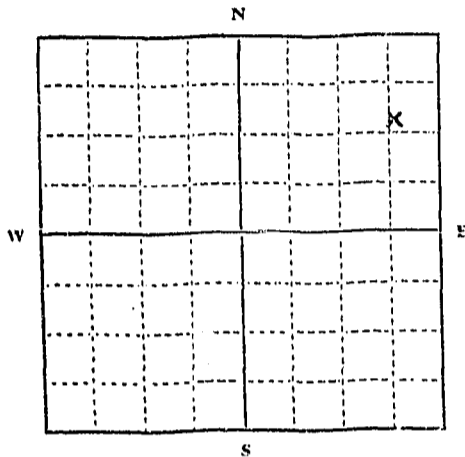
Bill
Balance
Costs
Deductions
District

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, H. D. McKinley, of Hobson
(Name of Appropriator) (Address) (Town)

County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 5 T. 12 R. 14

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based.....
livestock watering and household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1936 - continuous to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
all that flows from spring

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
open spring - flowing in NE 1/4 of Sec. 5 - T. 12 R. 14

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....

8. The depth of water table.....

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....

10. The estimated amount of groundwater withdrawn each year.....

11. The log of formations encountered in the drilling of each well if available.....

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner H. D. McKinley

Date Dec. 20, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40144

#667

H. D. McKinlay

NEC Sec. 5- 12-14

State of Montana
County of Judith Basin

Filed this 20th day of
December A. D. 1965 at 2:35 P.

Arthur H. ...
County Clerk.

13 W 34 E

County Judith

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Donald McKinley

Address Buffalo, Montana

Date well started May 24, 1971

completed June 16, 1971

Type of well Drilled

Equipment used Rotary

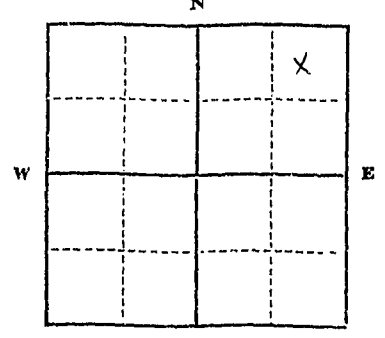
Water Use: Domestic Municipal Stock Irrigation

Industrial Drainage Other * Garden/Lawn

*Describe
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6-3/4		0	24			
4-3/4		24	575			
	5 1/2" OD above gr. 1"		25			
	2 1/2" steel above gr. 2"		575	4x4 slots	550	575



N.E. 1/4 N.E. 1/4 Sec. 5
T. 12 N. R. 14 E.

Static water level None ft.*
Pumping water level None ft.*
at None gallons per minute,
measured None minutes after pumping began.
*Measured from ground level.
Well developed by Self
for None hours.
Power None HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
15 sacks cement
Flows 25 Gal. per min.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature George Litzke

Driller's Address Rte. 2, Box 4

Lewistown, Montana 59457 LICENSE NO. 19

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	1	Topsoil
1	23	Gravel
23	30	Shale
30	37	Dry Sandstone
37	230	Mowry shale, Bentonite SAND streaks
230	300	Black splintery shale
		Hard stringers
300	370	First Cat Creek Sand
370	459	Top red beds, Red, White Purple Varigated shale
		Rock stringers
459	470	sandstone
470	505	Varigated shale, red grey, white, blue
505	550	Varigated shale white, purple
550	575	Second Cat Creek sand
		water

575 300 Show exact depth of bottom

48666

130392

#731

WATER WELL - Completion

NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5, T-12, R -14

State of Montana

County of Judith Basin

Filed for record this 24th
day of June 1971 A. D. at
11:50 A. M.

Delight Leslie, County Clerk
Extra Deputy Marian Dilla

Fee: \$2.00 paid

File No.

T. 12 R. 14

DUPLICATE

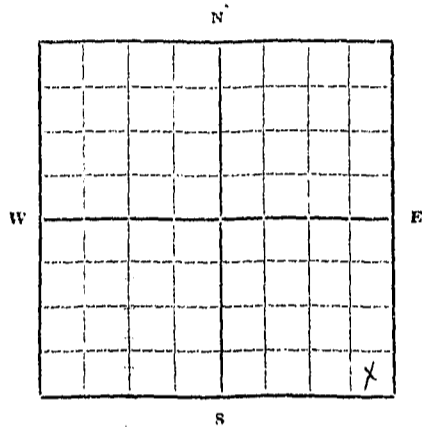
County. Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER
Buffalo

1. **B. D. Hollenbeck** of **Buffalo**
(Name of Appropriator) (Address) (Town)
County of **Judith Basin** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 6 T. 12 R. 14

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based **Drilled well used for stock water**
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been **Well started June 9, 1949 and used continuously up to 1956 when it was re-drilled deeper.**
- 4. The amount of ground water claimed (in miner's inches or gallons per minute) **20 gallos of water per minute**
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **Flowing well**

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **Started June 9th, 1949 and drilled to 234 feet and re-drilled in August 1956 from 234 feet to 531 feet. Driller in 1949 was Charles Weed and driller in 1956 was O. C. Thatcher**
- 8. The depth of water table
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **Depth of well is 531 feet. In 1956 291 feet of galvanized 2" pipe was installed bringing it back up into the 5" pipe of well drilled in 1949.**
- 10. The estimated amount of groundwater withdrawn each year **Not known**
- 11. The log of formations encountered in the drilling of each well if available **See Reverse side for Log.**
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner *B. D. Hollenbeck*
Date **Mar. 14th, 1962.**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

LOG

0 - 20	Clay and gravel
19-26	Light sandy clay
26-37	Light shale
37-41 $\frac{1}{2}$	Bentonite
41 $\frac{1}{2}$ -42 $\frac{1}{2}$	Sandy shale, water raised to 20 feet
42 $\frac{1}{2}$ -59'	Hard blue shale
59-105	Light Shale
105-108	Shale and bentonite
108-188	Light hard shale
188-196	Dark sandy shale
196-202	shale, show of oil
202-212	Shael, gravel. Water came over top of casing
212-234	Fine hard gray sandstone
234-260	Sandstone and sandy shale (Blue gray)
260-320	Blue grey shale
320-365	Red shale
365-450	Red shale with layers of sandstone
450-472	Hard sandy shale with layers of sandstone
472-481	Sandstone
481-507	Hard rock
507-513	Hard sand
513-530	Very had and fine sand
530-531	Broken area

#1142

W.M. Log

119060

Filed for record this 11th
day of March at 3:00 o'clock A.M.

Dalight Leslie, Clk. & Rec.

by Betty C. C. C. Dep

Fee \$2.00 pd.

GW3

File No.....

DUPLICATE

Txx

T. 12 R. 14

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1950

Owner ^{H.} Ernest/Olson Address Buffalo

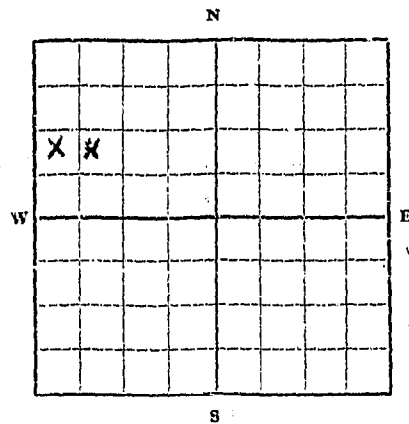
Contractor (if any) None

Address of Contractor None

Date Started..... 1950 Date Completed..... 1950

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.....

2 Springs in SW 1/4 NW 1/4 Sec. 6-12-14. with pipe sunk in each spring and overflow running into a coulee and carried to a dam.



SW 1/4 NW 1/4 1/4 Sec. 6 T. 12 R. 14

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

Runs about 20 to 30 gals per minute and used yearly and both are boxed up with 1 ft/ of thick mls concrete 6' deep and ~~is on outside~~ which makes 4' square for water inside.

Signature of Owner *Ernest H. Olson*

Date Jan. 29th, 1962.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

Rec. Book No. 118845

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION
WITHOUT WELL

ERNEST H. OLSON

SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-12-14.

State of Montana

County of Judith Basin

Filed this 29th day of ^{January}~~February~~
A. D. 1962 at 4:00 o'clock P.M.

Delight Parks

County Clerk.

Fee \$2.00 Paid.

File No.

DUPLICATE

T. 12 Rge. 11
T. 13 Rge. 11
T. 13 R. 13

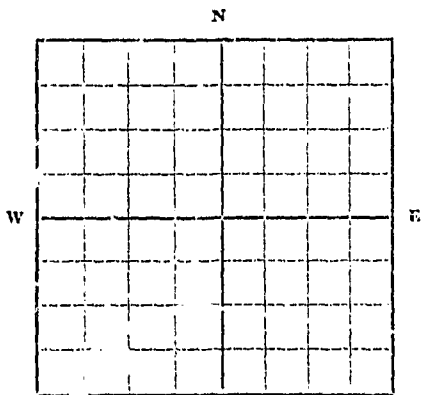
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. H. Ernest Olson, of Buffalo
(Name of Appropriator) (Address) (Town)

County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



No. 1 NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-12-14
No. 2 NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-13-14
3-SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36 T. 13 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

No. 2 well-- NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-13-14- flowing well & supplies 2 tanks. Well No. 3 SW $\frac{1}{4}$ SW $\frac{1}{4}$ 36-13- pump installed.

- The beneficial use on which the claim is based 3 wells -- used for stock water and domestic use
- Date or approximate date of earliest beneficial use; and how continuous the use has been 2 Wells drilled approximately May, 1954 and used continuously and third well drilled in 1925 and used continuously
- The amount of groundwater claimed (in miner's inches or gallons per minute) No. 1 -- 20 gals per minute
No. 2--- 6 gals per minute
No. 3--- 20 gals per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal No. 1 well located NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-12-14-- Flowing wells and supplies pipe leading to 3 tanks.
No. 2 well located NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-13-14-- Flowing well & supplies 2 tanks.
No. 3 well located SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-13-14-- pump installed.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No. 1 well Drilled approximately May, 1954
No. 2 " " " " " "
No. 3 " " " " " 1925
- The depth of water table Not
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater No. 1 well 605 feet
No. 2 well 648 feet
No. 3 well 90 feet.
- The estimated amount of groundwater withdrawn each year Not known.
- The log of formations encountered in the drilling of each well if available No logs available.
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Ernest Olson
Date Jan. 29th, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1371

Rec. Book No. 118846

DECLARATION OF VESTED GROUNDWATER
RIGHTS

ERNEST H. OLSON

NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-12-14

NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-13-14

SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-13-13

State of Montana

County of Judith Basin

Filed this 29th day of
January A. D. 1962. at 4:05 P. M.

Delight Keeber

County Clerk.

Fee \$2.00 Paid.

Form No. 18
8-60

7

T. 14 N R. 14 E
County Golden

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
1961 10 13

WATER WELL LOG

STATE ENGINEER

Owner W. J. ... Address ...
Driller ... Address ...
Date Started ... Date Completed ...
Location: Sec. ... T. ... R. ... 1/4 sec. ...

Type of well ... Equipment used ...
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other ...

Casing: ... ft. to ... ft. Type ... Size ...

Casing: ... ft. to ... ft. Type ... Size ...

Casing: ... ft. to ... ft. Type ... Size ...

Perforated or Screened: Ft. ... to ft. ... Ft. ... to ft. ...

Type of screen or perforations ...

Static Water level, for non-flowing well: ... feet.

Shut-in pressure, for flowing well: ... lb./sq. in. on: ... (date)

Pumping water level ... feet at ... gal. per min.

How tested: ...

Length of test ...

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

...
...
...

(over)

Form No. 18
8-60

7

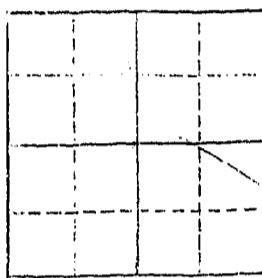
T. 12N R. 14E
County JOHN DAY Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 18 1961

WATER WELL LOG

STATE ENGINEER



Owner Mr. J. J. ... Address ...
Driller ... Address ...
Date Started ... Date Completed ...
Location: Sec. ... T. 12N R. 14E $\frac{1}{4}$ sec. NE10W

Type of well ... Equipment used ...
(Dug, driven, bored, or drilled) (Cable, drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other ...

Casing: 0 ft. to 218 ft. Type ... Size ...

Casing: ... ft. to ... ft. Type ... Size ...

Casing: ... ft. to ... ft. Type ... Size ...

Perforated or Screened: Ft. 104 to ft. 512 Ft. ... to ft. ...

Type of screen or perforations ...

Static Water level, for non-flowing well: ... feet.

Shut-in pressure, for flowing well: ... lb./sq. in. on: ... (date)

Pumping water level ... feet at ... gal. per min.

How tested: ...

Length of test ...

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

...
...
...

(over)

File No.

T. 12 R. 14

DUPLICATE

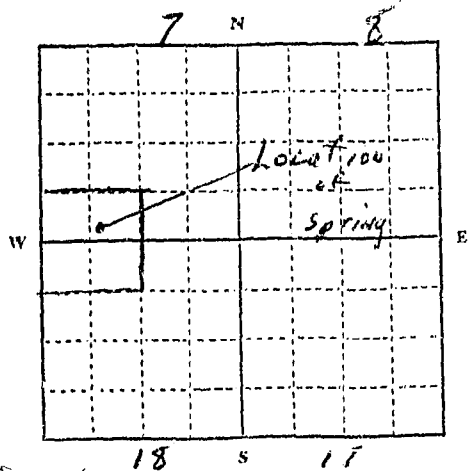
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold L. Down of Buffalo Montana
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 7 T. 12 R. 14

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1890 - CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NONE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Collected in a Spring box 6' deep and piped to a tank

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Redeveloped in 1961 - put in new collection box

8. The depth of water table 6 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 ft deep - 3 ft wide - enclosed in concrete

10. The estimated amount of groundwater withdrawn each year 2,628,000 gallons

11. The log of formations encountered in the drilling of each well if available 2,628,000 Just dirt down to a layer of sand

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NONE

Signature of Owner Harold L. Down

Date September 17, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40714

#679

Spring
Sec. -
12-14

HAROLD L. DOVER
BUFFALO, Montana

State of Montana
County of Judith Basin
Filed for record this 29th
day of Dec. A.D. 1965 at 9:05
o'clock A.M.

Delight, Leslie, Plk. & Rec.

by Betty Crummond Dep

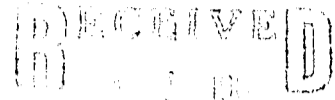
File No.....

T. 12 R. 14

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

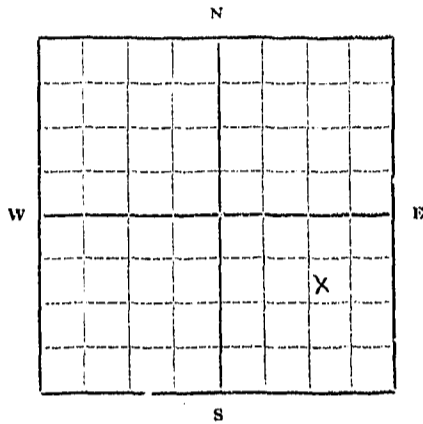


Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. B. D. Hollenback of Buffalo
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SE 1/4

..... 1/4 Sec. 9 T. 12 R. 14

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
~~Started in 1923 and used continuously since~~
1923 and used continuously since

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
135 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Not used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Flowing well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Started in 1923 and completed in 1923
drilled by Oil Springs Development Company

8. The depth of water table
Not known

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
~~292 feet deep~~ This well was drilled in 1923 to 415 feet deep for Gas & Oil exploration. A 10 inch pipe was installed into a 12 inch pipe at this level. The well was filled with gravel to the heavy flow of water at 292 feet and a 2" pipe installed inside of the 10" one. Well has been filled in so is really only 292 feet in depth at this time.

10. The estimated amount of groundwater withdrawn each year
Not known.

11. The log of formations encountered in the drilling of each well if available
Log filed up to 292

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner.....

Date..... March 14th, 1962.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

119062 No. 144

DECLARATION OF VESTED GEOTHERMAL WATER

B. D. HOLLENBACK

NE 1/4 Sec. 9-12-14

State of Montana
County of Judith Basin

Filed this 11th day of May
A.D. 1962 at 3:10 o'clock

W. J. ...
County Clerk

Log of well drilled by Oil Springs Development Company

From	to	Feet	Note change in material, character and contents of each formation
Surface	20	20	Shale
20	35	15	Shale-Sandy-Water
35	50	5	Sandstone
40	58	18	Sandstone
58	66	8	Pink shale-Nootenai
66	76	10	Lime & shale
76	96	20	Sand S.- Artes. Flow
96	101	5	Sandstone
101	116	15	Sandstone
116	129	13	Shale-Red
129	147	18	Shale
147	169	22	Lime & Shale
169	177	8	Clay
177	187	10	Sandstone
187	196	9	Lime
196	203	7	Sandstone
203	212	9	Sandstone
212	214	2	Shale-Sandy
214	240	26	Shale-Red
240	241	1	Sandstone
241	250	9	Sandstone
250	255	5	Shale-Red
255	275	20	Shale-Red
280	283	3	Shale-Gray
283	284	1	Shale
284	290	6	Sandstone
290	292	2	Sandstone

Brown
Soft
Hard
Softer
Hard
Soft
Sandy
Sticky
Hard
Soft
Hard
Pink
Sticky
Hard
Softer
Hard
Hard
Softer

119062 No. 114

DECLARATION OF VESTED GROUND WATER**

B. D. HOLLENBACK

NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-12-14

State of Montana

County of Judith Basin

Filed this 14th day of March
A.D. 1962 at 3:10 o'clock P.M.

Delight M. Baker
County Clerk.

Log of well drilled by Oil Springs Development Company

From	To	Foot	Note change in material, character and contents of each formation	Remarks
Surface	20	20		
20	35	15	Shale	Brown
35	40	5	Shale-Gundy-water	
40	58	18	Sandstone	Soft
58	66	8	Sandstone	Hard
66	76	10	pink shale-Koolman	
76	96	20	lime & shale	
96	101	5	Sand S. - Artes. Flow	
101	116	15	Sandstone	Medium Hard
116	129	13	Sandstone	Soft
129	147	18	Shale-thud	Hard
147	169	22	Shale	
169	177	8	Lime & Shale	
177	187	10	Clay	Slaty
187	196	9	Sandstone	Hard

File No.

T. 12, N. R. 14, East

DUPLICATE

County Judith Basin

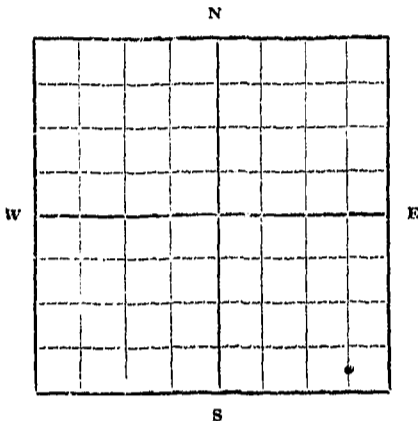
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER

1. Esther H. Shrewsbury of Buffalo
(Name of Appropriator) (Address) (Town)

County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 9, T. 12, R. 14

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1880; continuously since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 miners inches

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal curbing and pipe to water tanks

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Unknown

8. The depth of water table Springs - ground level

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater None

10. The estimated amount of groundwater withdrawn each year Unknown

11. The log of formations encountered in the drilling of each well if available None

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Springs curbed for stock use. No measurement on how much water is withdrawn. Withdrawal varies according to time of year.

Signature of Owner Esther H. Shrewsbury

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

No. 186

DECLARATION OF VESTED

GROUNDWATER RIGHTS

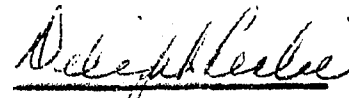
ESTHER H. SHAWSEBURY

SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-12-14

State of Montana

County of Judith Basin

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