

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

October 8, 1982

Mr. Norm Stout
State of Utah
Division of Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Valentine Federal #3
Section 35-T16S-R25E
Grand County, Utah

Dear Mr. Stout:

TXO Production Corp. applies for a permit to drill the referenced well under the authority of spacing order cause # 149-14. Enclosed is an APD package for this well, which is a directional drill proposal. The footages at the proposed production zone are 650' FSL and 650' FWL, which allow a 150' target radius.

TXO anticipates spudding this well about November 1, 1982, and requests an expeditious review of this application. Please call me at this office if you need further information or if you have any questions.

Very truly yours,

TXO PRODUCTION CORP.



K. P. Laurie
Environmental Scientist

KPL/JY

Enclosures/as stated

RECEIVED
OCT 12 1982

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 TXO Production Corp. Attn: K. P. Laurie

3. ADDRESS OF OPERATOR
 1800 Lincoln Center Building, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 729' FSL, 1968' FWL, Section 35-T16S-R25E
 At proposed prod. zone: Dakota Sands: 650' FSL, 650' FWL *SBSW*
 Total Depth: 628' FSL, 396' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 17 Miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 650'

16. NO. OF ACRES IN LEASE 80

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1319'

19. PROPOSED DEPTH 4200'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5681' GR

22. APPROX. DATE WORK WILL START*
 October 25, 1982

5. LEASE DESIGNATION AND SERIAL NO.
 U-38276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 - - -

7. UNIT AGREEMENT NAME
 - - -

8. FARM OR LEASE NAME
 Valentine Federal

9. WELL NO.
 #3 ✓

10. FIELD AND POOL, OR WILDCAT
 San Arroyo ✓

11. SEC., T., E., M., OR BLEK. AND SURVEY OR AREA
 Section 35-T16S-R25E

12. COUNTY OR PARISH 13. STATE
 Grand Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	Corrugated Iron	40'	2 yards
12 1/4"	8 5/8"	24#	700'	250 sacks
7 7/8"	4 1/2"	10.5#	4631' MD 4200' TVD	250 sacks

TXO Production Corp. proposes to directionally drill the subject well using an angle building rate of 2°/100' in accordance with the following table:

	TVD	Deviation	Angle	MD
Kickoff depth	1000'	0.0'	0.0°	1000'
Angle established	2609'	495.0'	34.2°	2683'
Initial objective	3825'	1320.0'	34.2°	4178'
Total Depth	4200'	1575.0'	34.2°	4631'

The initial target (Dakota Sands) is located 650' FSL and 650' FWL of Section 35-T16S-R25E and planned with a 150' target radius to comply with applicable State spacing regulations.

RECEIVED
 OCT 12 1982

DIVISION OF
 GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED R. Bruce Wright for R.E. Dashner TITLE Dist. Drilling Engineer DATE October 8, 1982
 Ronald E. Dashner

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

**APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING**

DATE: 10-13-82
 BY: [Signature]

R 24 E

R 25 E

2,650,000
C.Z.

PARALLEL

SOUTH

R 26 E

COUNTY

GARFIELD

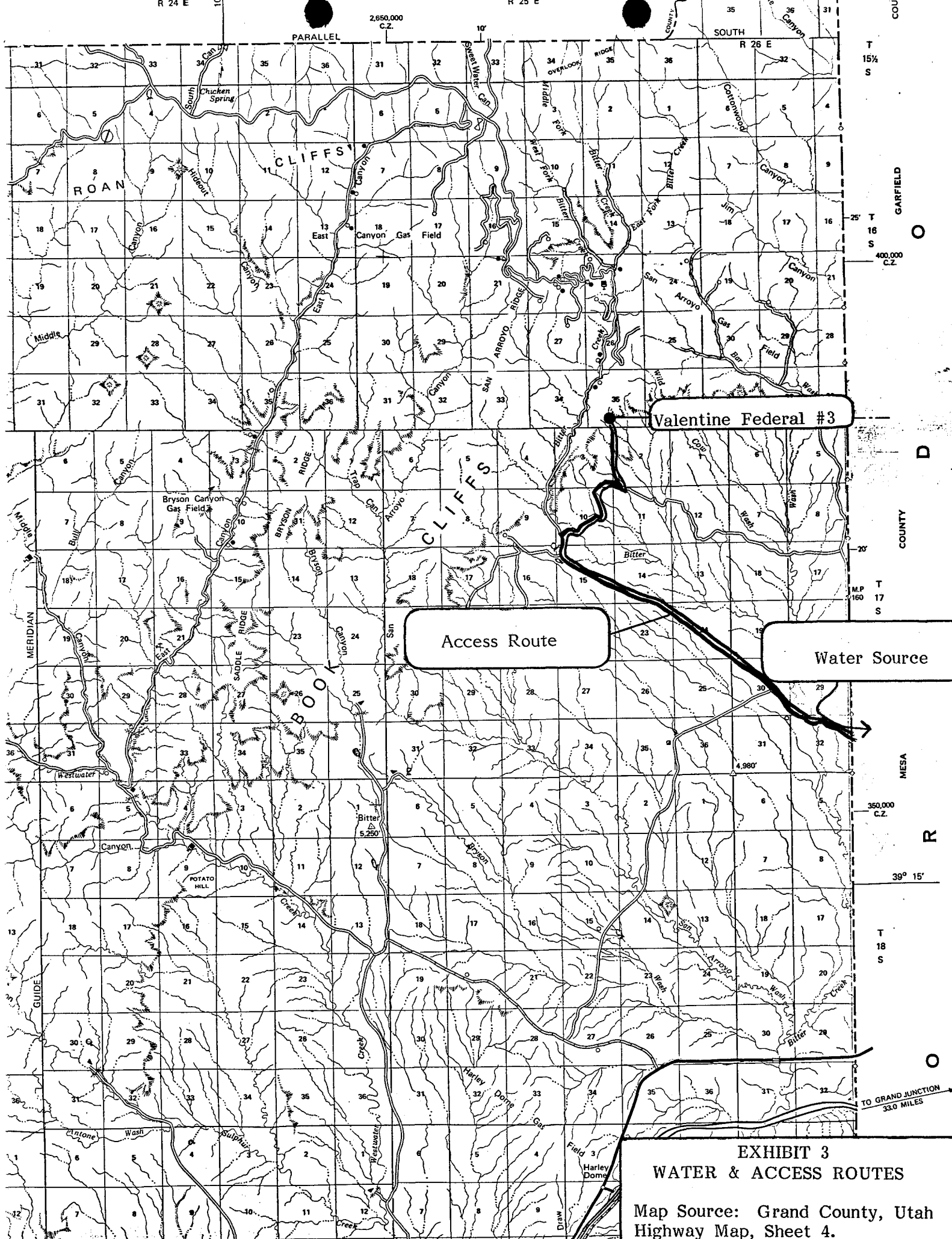
COUNTY

MESA

R

T 18 S

TO GRAND JUNCTION
33.0 MILES



Valentine Federal #3

Access Route

Water Source

**EXHIBIT 3
WATER & ACCESS ROUTES**

Map Source: Grand County, Utah
Highway Map, Sheet 4.

T 15 1/2 S

T 16 S

T 17 S

350,000
C.Z.

39° 15'

TO GRAND JUNCTION
33.0 MILES

4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LANDS MANAGEMENT
SERVICE
OIL & GAS OPERATIONS

5. LEASE DESIGNATION AND SERIAL NO.
U-38276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Valentine Federal

9. WELL NO.
#3

10. FIELD AND POOL, OR WILDCAT
San Arroyo

11. SEC., T., R., M., OR BLK.
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Section 35-T16S-R25E

12. COUNTY OR PARISH | 13. STATE
Grand | Utah

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DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER

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TXO Production Corp. Attn: K. P. Laurie

3. ADDRESS OF OPERATOR
1800 Lincoln Center Building, Denver, Colorado 80264

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The initial target (Dakota Sands) is located 650' FSL and 650' FWL of Section 35 and is planned with a 150' target radius to comply with applicable State spacing regulations.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED R. Bruce Wright for R.E. Dasher TITLE Dist. Drilling Engineer DATE October 8, 1982
Ronald F. Dasher

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY WJ Martin FOR E. W. GUYNN
 CONDITIONS OF APPROVAL, IF ANY: _____ TITLE DISTRICT OIL & GAS SUPERVISOR DATE NOV 02 1982

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

2 extra 016

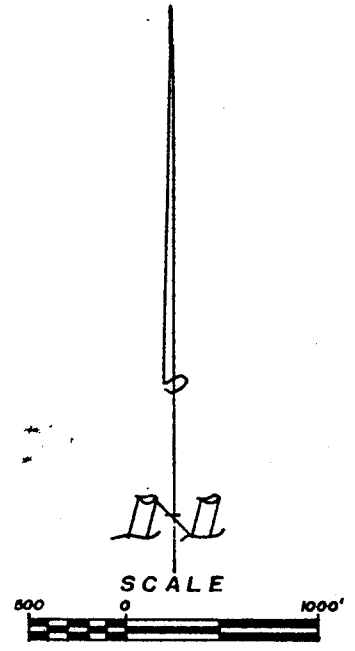
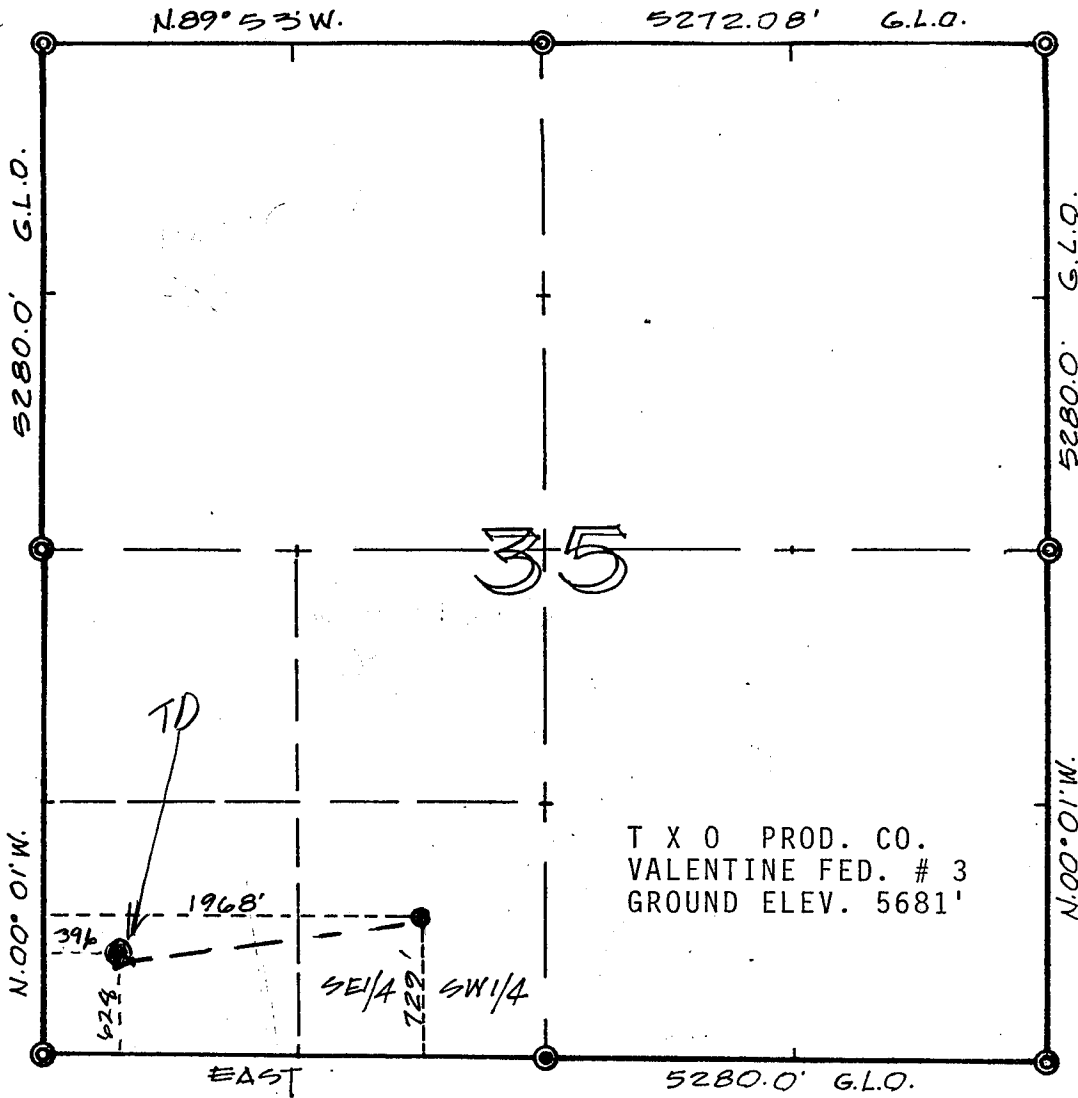
TXO Production Corporation
Well No. Valentine 3
Section 35-T16S-R25E
Grand County, Utah
Lease No. U-38276

Supplemental Stipulations:

1. The location will be extended 50 feet to the south to accomodate the drilling program.
2. Production facilities will be removed prior to any drilling activities.
3. At no time can ✓ Valentine No. 1 and Valentine No. 3 be produced at the same time.
4. Valentine No. 3 may be tested for a period not to exceed 60 days, at which time the determination will be made as to which well will be plugged.
5. Unused areas of the pad will be rehabilitated after completion of the well.
6. Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Mesaverde formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing and cementing program may require adjustment for protection of fresh water aquifers.

SEC. 35, T. 16 S., R. 25 E. OF THE S.L.M.

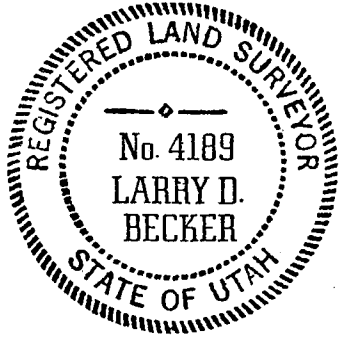
EXHIBIT # 2



- LEGEND**
- ⊙ STANDARD LOCATION OF G.L.O. CORNERS.
 - G.L.O. CORNERS FOUND.
 - WELL LOCATION STAKED.
- REFERENCE DOCUMENTS**
- 1924 GLO PLAT
 - BRYSON CANYON, UTAH QUADRANGLE, USGS

TXO PROD. CO.
VALENTINE FED. # 3
GROUND ELEV. 5681'

¹ **SURFACE**
THIS WELL LOCATION PLAT WAS PREPARED FOR TXO PRODUCTION CO.
AS REQUESTED BY PAUL URBAN, TO LOCATE THE
VALENTINE FEDERAL # 3, 729' F.S.L. & 1968' F.W.L.,
IN THE SE 1/4 SW 1/4, OF SECTION 35, T. 16S., R. 25E OF THE S.L.M.
GRAND COUNTY, UTAH.

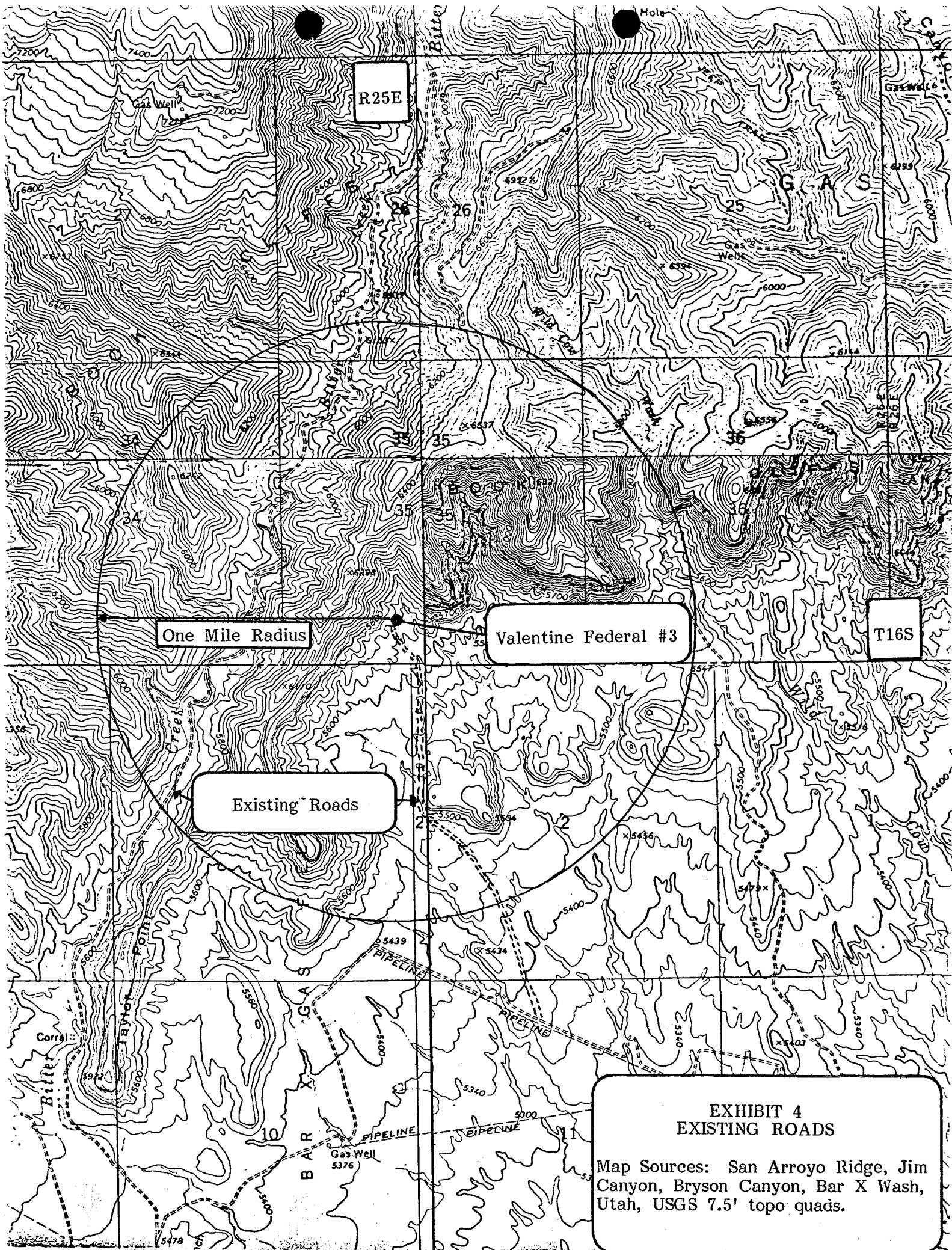


SURVEYOR'S CERTIFICATE

I, LARRY D. BECKER A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT REPRESENTS SAID SURVEY.

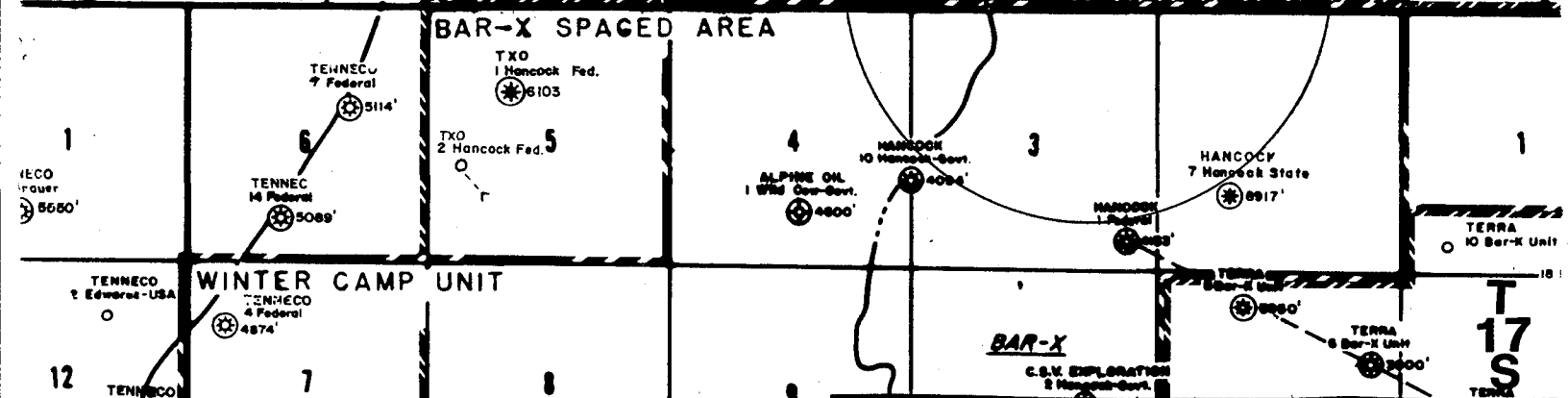
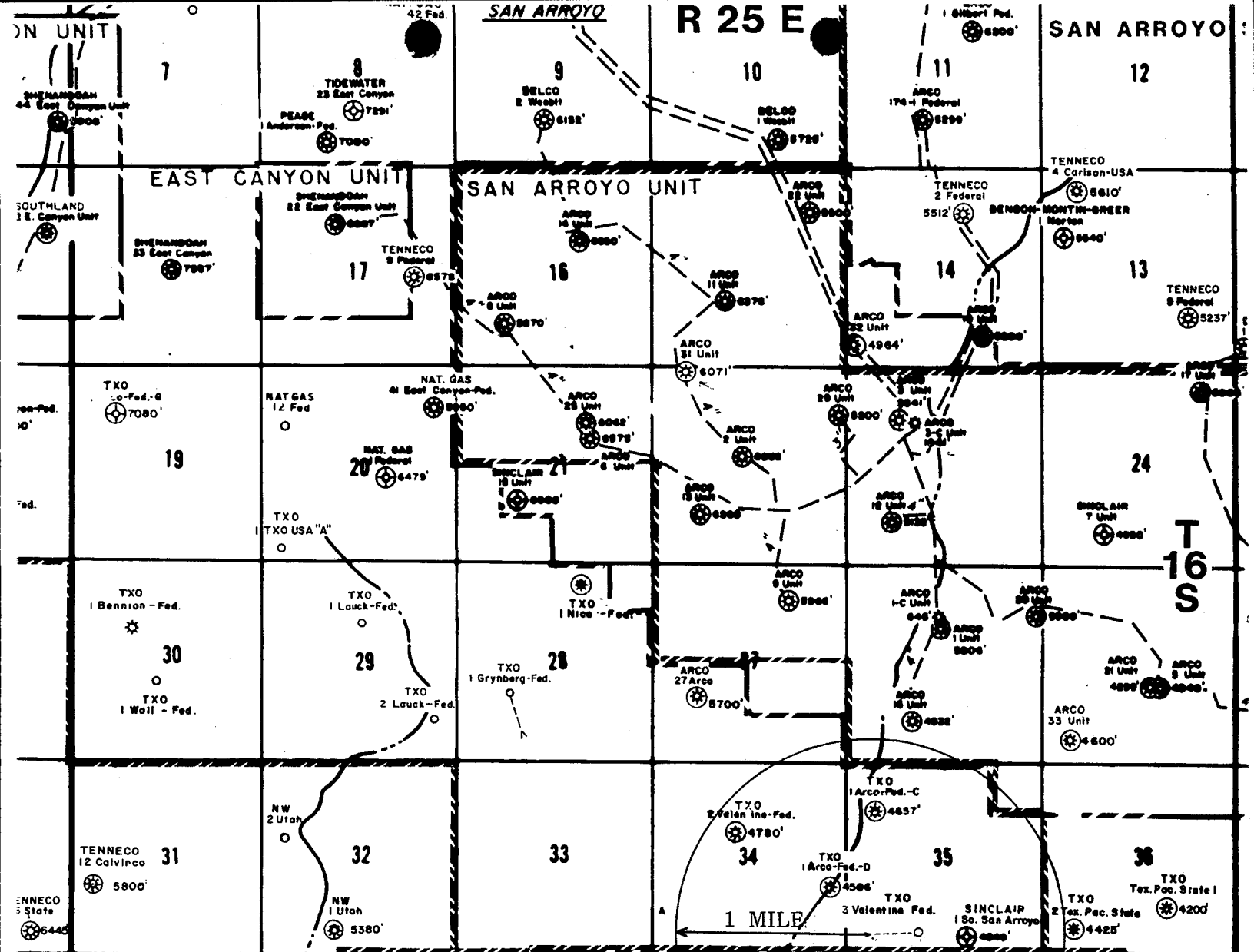
Larry D. Becker
UTAH
L.S. NO. 4189

SURVEYED	7/23/82	ENERGY SURVEYS & ENGINEERING CORP. 1156 BOOKCLIFF AVE. NO 4 GRAND JUNCTION, CO. 81501 505 248-7221	SCALE 1" = 1000'
DRAWN	7/30/82		JOB NO.
CHECKED	7/20/82		SHEET OF



**EXHIBIT 4
EXISTING ROADS**

Map Sources: San Arroyo Ridge, Jim Canyon, Bryson Canyon, Bar X Wash, Utah, USGS 7.5' topo quads.



TXO
TXO PRODUCTION CORP.
 DENVER DISTRICT

EXHIBIT 5
 ONE-MILE RADIUS PLAT
 VALENTINE FEDERAL #3
 Section 35-T16S-R25E
 Grand County, Utah

Scale: 1"=4000'
 Geologist:
 C.I.: Date: 10/8/82

9-331 C ADDENDUM
Valentine Federal #3
Section 35-T16S-R25E
Grand County, Utah

1. SURFACE FORMATION: Mesaverde
2. ESTIMATED FORMATION TOPS:

Buck Tongue	30'
Castlegate	275'
Mancos	475'
Dakota Silt	3825'
Morrison	4075'
Total Vertical Depth	4200'

Depths given are true vertical depths (TVD) below ground level

3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Gas Zone: Dakota 3825' TVD

Water may be encountered in the Mesaverde or Castlegate formations.

4. DIRECTIONAL DRILL PROGRAM:

As indicated on Form 9-331C, TXO Production Corp. proposes to directionally drill the subject well. Major depths and angles are listed below:

	<u>TVD</u>	<u>Deviation</u>	<u>Angle</u>	<u>MD</u>
Kickoff depth	1000'	0.0'	0.0°	1000'
Angle established	2609'	495.0'	34.2°	2683'
Initial objective	3825'	1320.0'	34.2°	4178'
Total Depth	4200'	1575.0'	34.2°	4631'

During kickoff, an angle building rate of 2°/100' will be employed with surveys to be taken at between 30 and 90 foot intervals as required by hole conditions. When a total angle of 34.2° from vertical is established, the angle will be held to the proposed TD of 4200' (TVD). The bottomhole target (Dakota sand group) is located 650' FSL, 650' FWL of Section 35 and is planned with a 150' target radius to comply with applicable state spacing regulations. Surveys through this stage of the hole will be taken by hole conditions.

5. CASING PROGRAM AS PER FORM 9-331 C.

6. PRESSURE CONTROL EQUIPMENT:

A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi (greater

than the anticipated bottomhole pressure of 1100 psi), will be installed. See Exhibit 1.

- B. A choke control, fill and kill lines with minimum working pressure of 2000 psi will be installed.
 - C. A rotating pack-off head will be installed above the blowout preventer to control flow while drilling with air.
 - D. The equipment in A and B will be pressure-tested to 2000 psi before drilling surface pipe cement, and the blowout preventer will be tested for operations daily and during trips.
7. MUD PROGRAM:
- 0'- T.D. Air or air mist. If necessary, will use 3% aerated KCL mud at 8.6-8.8#/gal., vis. 35-45 sec. API.
8. AUXILIARY EQUIPMENT:
- A. A kelly cock will be used.
 - B. A float valve will be run in the drill string above the bit.
 - C. A sub with full opening valve will be kept on the derrick floor to stab into DP when kelly is not in use.
9. CORING, LOGGING, TESTING PROGRAM:
- A. No coring is anticipated.
 - B. Logging will consist of the following: DISFL-GR (TD to surface), FDC-SNP-GR-CAL (TD to 2000' above TD), if logged wet: FDC-CNL-GR-CAL (TD to 2000' above TD)
 - C. No DST's are planned.
10. ABNORMAL CONDITIONS:
- A. No abnormal pressures or temperatures are expected.
 - B. No hazardous gases such as H₂S are expected.
 - C. While drilling with gas or air, return fluids will be directed through the blow line to the reserve pit. All open fires or ignition sources will be prohibited on location while gas or air drilling. A pilot flame will be maintained at the end of the blow line (located 125' from the wellhead) to insure burning of return gases that are combustible.

11. ANTICIPATED STARTING DATES:

Start location	October 25, 1982
Spud	November 1, 1982
Completed drilling	November 15, 1982
Completed, ready for pipeline	November 29, 1982

12. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. Produced water will be contained in the unlined drilling reserve pit. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.

TXO PRODUCTION CORP.
MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: October 8, 1982

WELL NAME: Valentine Federal #3

LOCATION: 729' FSL, 1968' FWL, Section 35-T16S-R25E, Grand County, Utah

NOTE: This application is for a directional drill proposal from the existing pad of the Valentine Federal #1.

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 729' FSL and 1968' FWL in Section 35-T16S-R25E.
- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road: From Mack, Colorado, proceed west 9.2 miles, on State Highway 6 & 50 to Two Road (in Colorado). Turn right (north) onto Two Road and continue 8.3 miles to a fork in the road. Take the right fork and proceed north 0.6 mile to a fork in the road. Keep to the right and proceed northeasterly 2.1 miles to a fork. Turn left and proceed north 0.4 mile to an abandoned well, the Hancock 7 Government. From this location, proceed approximately 1.0 mile northerly to the location of the Valentine Federal #3.
- C. Access route to location color coded in red and labeled. Refer to Exhibit 3.
- D. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 4.
- E. Plans for improvement and maintenance of existing roads: The proposed and existing access roads leading to the location will be improved and maintained, as necessary, to allow for travel by heavy equipment. Grade maintenance may be required under wet conditions.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: No new road construction will be necessary because the Valentine Federal #3 will be directionally drilled from an existing well pad.

3. LOCATION OF EXISTING WELLS

Exhibit 5 is a one-mile radius locating and identifying the following:

- A. Water Wells - None
- B. Abandoned Wells - Sinclair 1 South San Arroyo, Sec. 35-T16S-R25E
- C. Temporarily Abandoned Wells - None
- D. Disposal Wells - None

- E. Drilling Wells - None
- F. Producing Wells - TXO 1 Arco Fed. C, Sec. 35-T16S-R25E
TXO 1 Arco Fed. D, Sec. 34-T16S-R25E
TXO 2 Valentine Fed., Sec. 34-T16S-R25E
- G. Shut-in Wells - TXO 1 Valentine Fed., Sec. 35-T16S-R25E
- H. Injection Wells - None
- I. Monitoring or Observation Wells for Other Reasons - None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Exhibit 5 is a one-mile radius map locating the following existing facilities owned by the lessee/operator:

- 1. Tank Batteries - None
- 2. Production Facilities - TXO 1 Arco Fed. C, Sec. 35-T16S-R25E
TXO 1 Arco Fed. D, Sec. 34-T16S-R25E
TXO 1 Valentine Fed., Sec. 35-T16S-R25E
TXO 2 Valentine Fed., Sec. 34-T16S-R25E
- 3. Oil Gathering Lines - None
- 4. Gas Gathering Lines - None
- 5. Injection Lines - None
- 6. Disposal Lines - None

- B. If new facilities are contemplated, in the event of production, show:

- 1. Proposed location and attendant lines in relation to the well pad: Refer to Exhibit 6.
- 2. Dimensions of facilities: Refer to Exhibit 6.
- 3. The production facilities will include a produced water pit, a blowdown pit, separator, and, if necessary, a dehydrator. The facilities will be located as shown on Exhibit 6. The pit will be located in cut, will contain all water production, and be built in accordance with NTL-2B specifications. All connection work will be done by an oil field service company using standard oil field materials.
- 4. Protective devices and measures to protect livestock and wildlife: The water production pits will be fenced with four-strand barbed wire to protect wildlife and livestock. The drilling reserve pit will be fenced until it can be properly restored. The reserve pit will be fenced on three sides while drilling and on the fourth side after the rig moves off location.

- C. All plans for surface restoration are outlined under Item 10 of this plan.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location and type of water supply: Water will be obtained from West Salt Wash in Colorado.
- B. Method of transporting water: Water will be transported by truck over the access route shown in green on Exhibit 3.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: The location lies on the pad of an existing well which will be plugged prior to drilling. No topsoil will be removed.
- B. Identify if from Federal or Indian Land: All affected land is Federal and under the management of the Bureau of Land Management.
- C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used: The only dirt work required is digging pits. Approximately 2600 cubic yards of material will be excavated in digging the pits and no fill is needed.
- D. Show any needed access roads crossing Federal or Indian Lands: No new access road will be constructed.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be contained and disposed of in the reserve pit.
- B. Drilling fluids will be contained and disposed of in the reserve pit.
- C. Producing fracturing fluids will be directed to the reserve pit for evaporation.
- D. Sewage: A portable chemical toilet will be on location during operations.
- E. Garbage and other trash will be placed in a covered container and removed to a sanitary landfill upon completion of operations.
- F. Protective Devices: The drilling reserve pit will be fenced on three sides prior to drilling and on the fourth side before the rig moves off location.
- G. Statement regarding proper cleanup when rig moves out: When the rig moves out, all trash and refuse will be removed from the location and hauled to a sanitary land fill. All pits will be filled after drying and the area will be restored as described under Item 10 of this plan.

8. ANCILLARY FACILITIES

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods: None planned.

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross section of drill pad with cuts and fills: Refer to Exhibit 7.
- B. Facilities: Refer to Exhibit 8.

- C. Rig orientation, parking area: Refer to Exhibit 7.
- D. Statement regarding pit lining: Reserve pit will be unlined. However, if the subsurface structure is too porous or is highly fractured a 2 to 4 inch layer of bentonite will be used as a lining for the pit.

10. PLANS FOR RESTORATION OF SURFACE

- A. Backfilling, levelling, contouring, and waste disposal: Upon completion of the well, the site will be cleared of all debris and the mouse and rat holes will be filled. The reserve pit will be allowed to dry and then will be backfilled. Disturbed areas not needed for production operations will be graded to an appearance consistent with the natural contours. These areas will then be covered with topsoil, disked and reseeded with a seed mixture recommended by the Bureau of Land Management. If the well is not commercially productive, the entire pad will be reclaimed as described above.

When the well is plugged and abandoned, that portion of the access road requested by the BLM to be reclaimed, will be covered with topsoil, disked and reseeded with a BLM-recommended seed mix.

- B. Prior to rig release, pits will be fenced and so maintained until they can be backfilled.
- C. If any oil is in the pit, it will be removed or overhead flagging will be installed.
- D. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately November 25, 1982, and will be completed within one year.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well is located on an existing well pad. Disturbance to additional vegetation will be minimal. Surrounding vegetation is composed primarily of pinon pine, juniper, sagebrush, scrub oak, and native grasses. Fauna in the area include mule deer, small mammals, and several bird species.
- B. Other surface-use activities and surface ownership of all involved lands: The affected land is federally-owned. There are no other surface uses in the immediate area other than oil and gas operations.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: The nearest continuously flowing stream is Bitter Creek. Several intermittent washes run parallel to the east and west of the location of the access road. There are no occupied dwellings in the immediate area. No known archeological, historical or cultural resources are located in the affected area. An archeological survey of the affected area has been completed and is on file with the appropriate BLM offices.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

Include the name, address and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan.

R.E. Dashner
District Drilling Engineer
TXO Production Corp.
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 690-5658 - Residence

Comments regarding the content of this plan or arrangements for an on-site inspection should be directed to:

Karen P. Laurie
Environmental Scientist
TXO Production Corp
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 477-2072 - Residence

13. CERTIFICATES

The following statement is to be included in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access roads; that I am familiar with the conditions which presently exist; and that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by TXO Production Corp. and its contractors, subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE: October 8, 1982

R. Bruce Wright for R.E. Dashner
R.E. Dashner
District Drilling Engineer

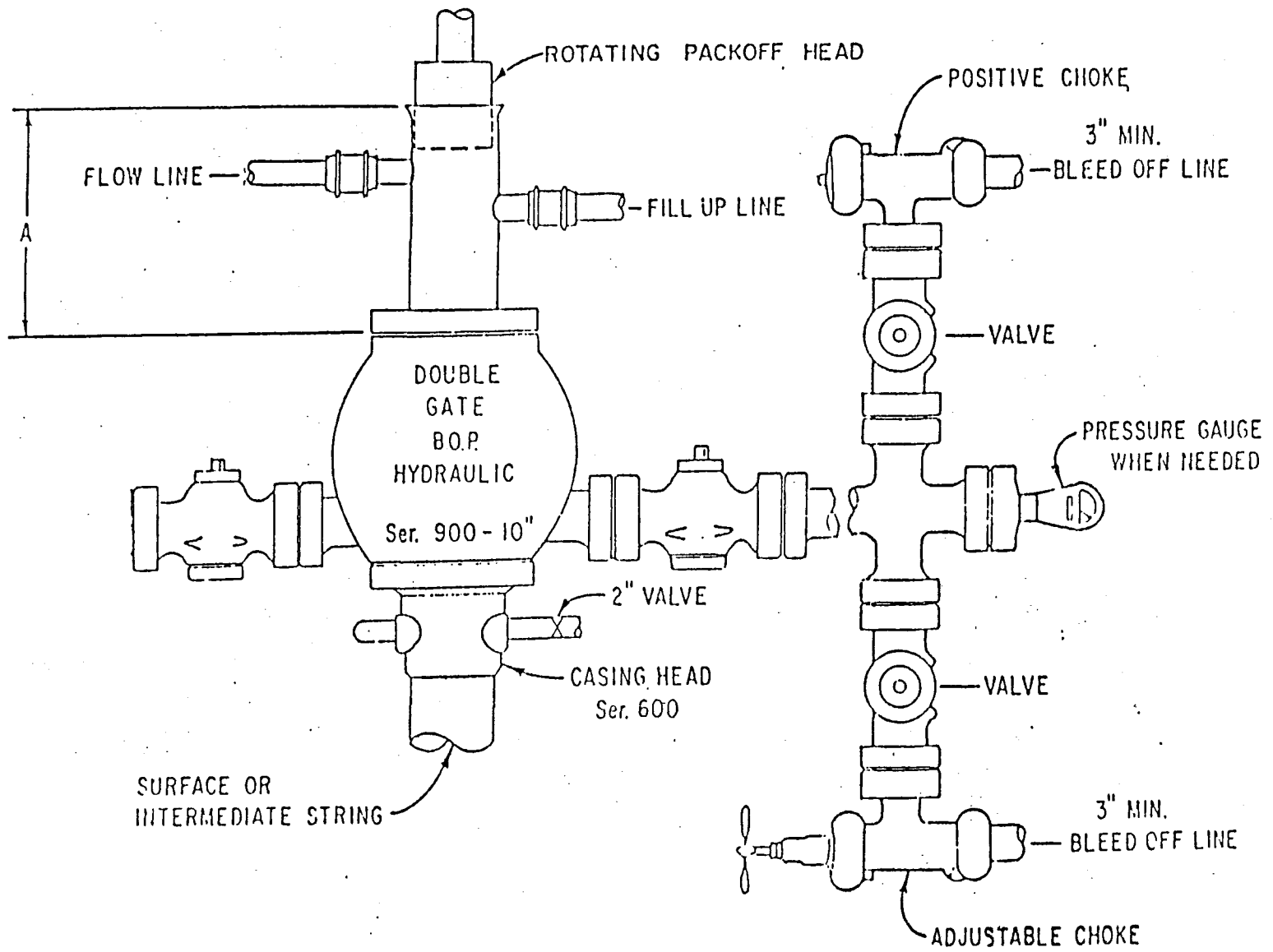


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM

VALENTINE FEDERAL #3

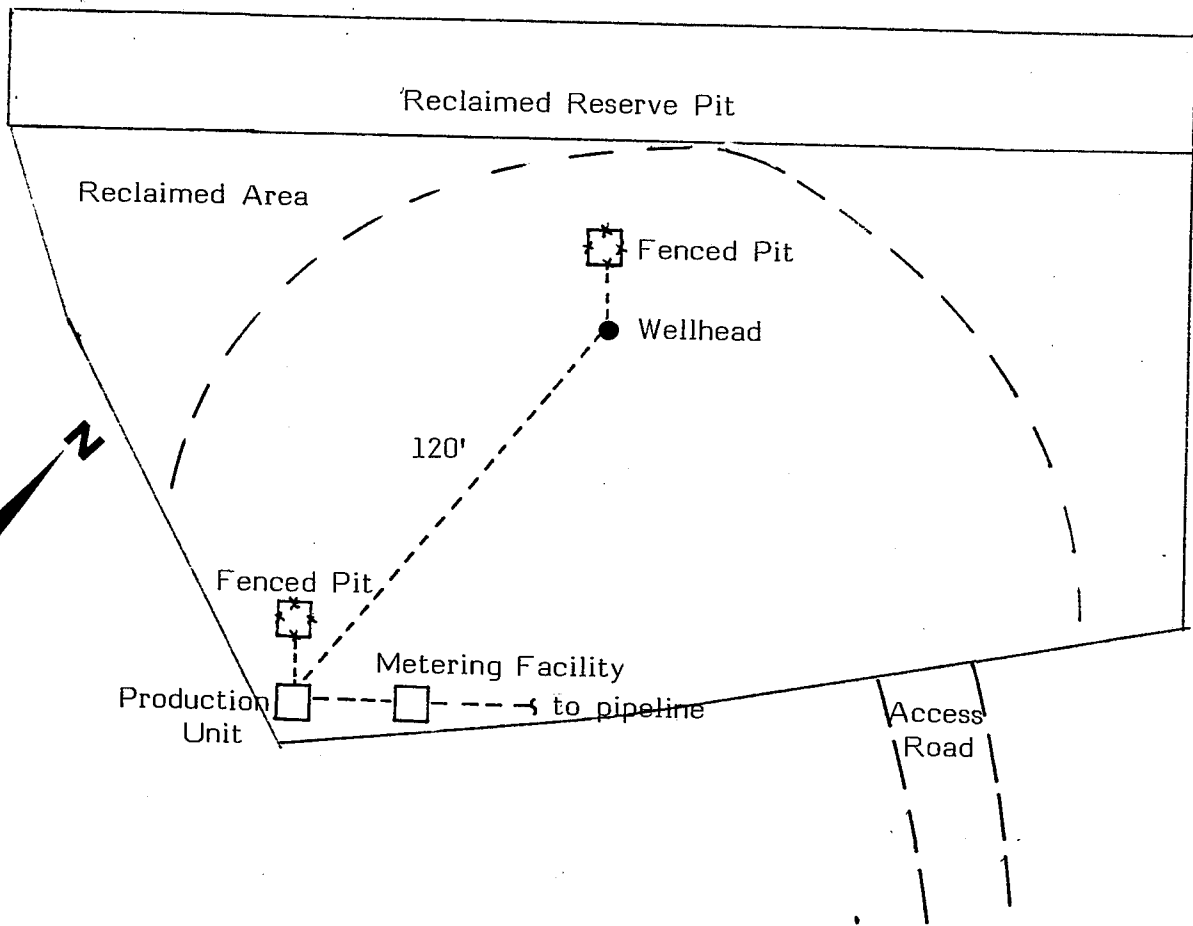
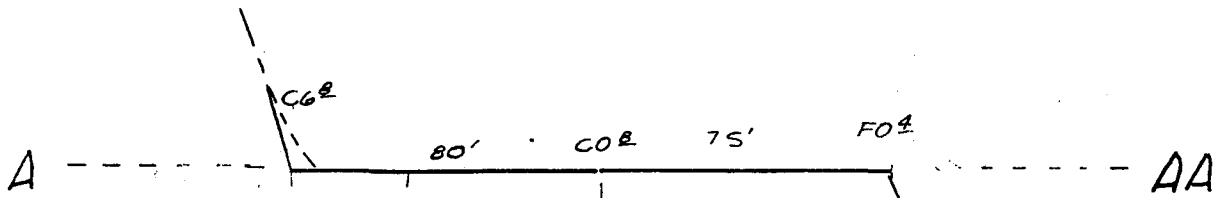


Exhibit 6
Production
Facilities

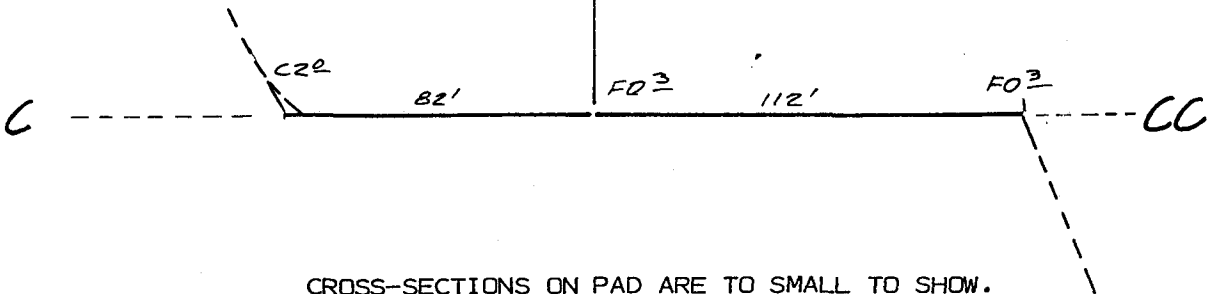
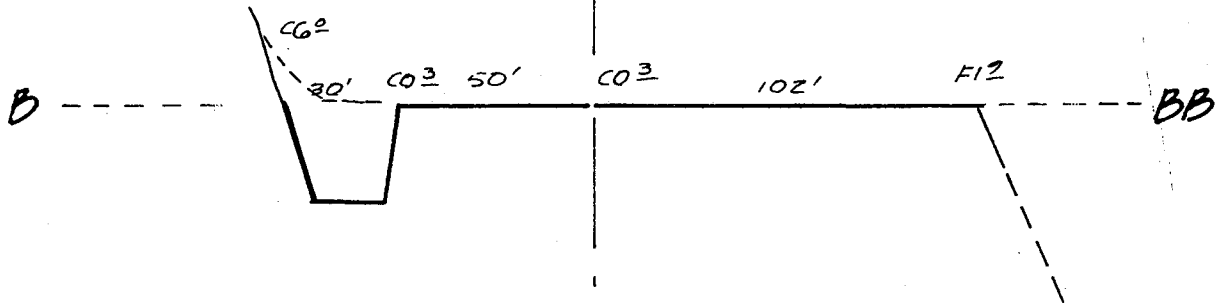
Scale: 1"=50'

- 1) Pits will be 10' x 10' x 6' deep, and will be surrounded by a fence.
- 2) Sacrificial magnesium anodes will be used, if necessary, to control corrosion.
- 3) All pipelines will be coated and wrapped, then buried.
- 4) A surface mounted high/low safety shut-down system will be installed.
- 5) Separator will be an ASME coded vessel.

CROSS-SECTIONS



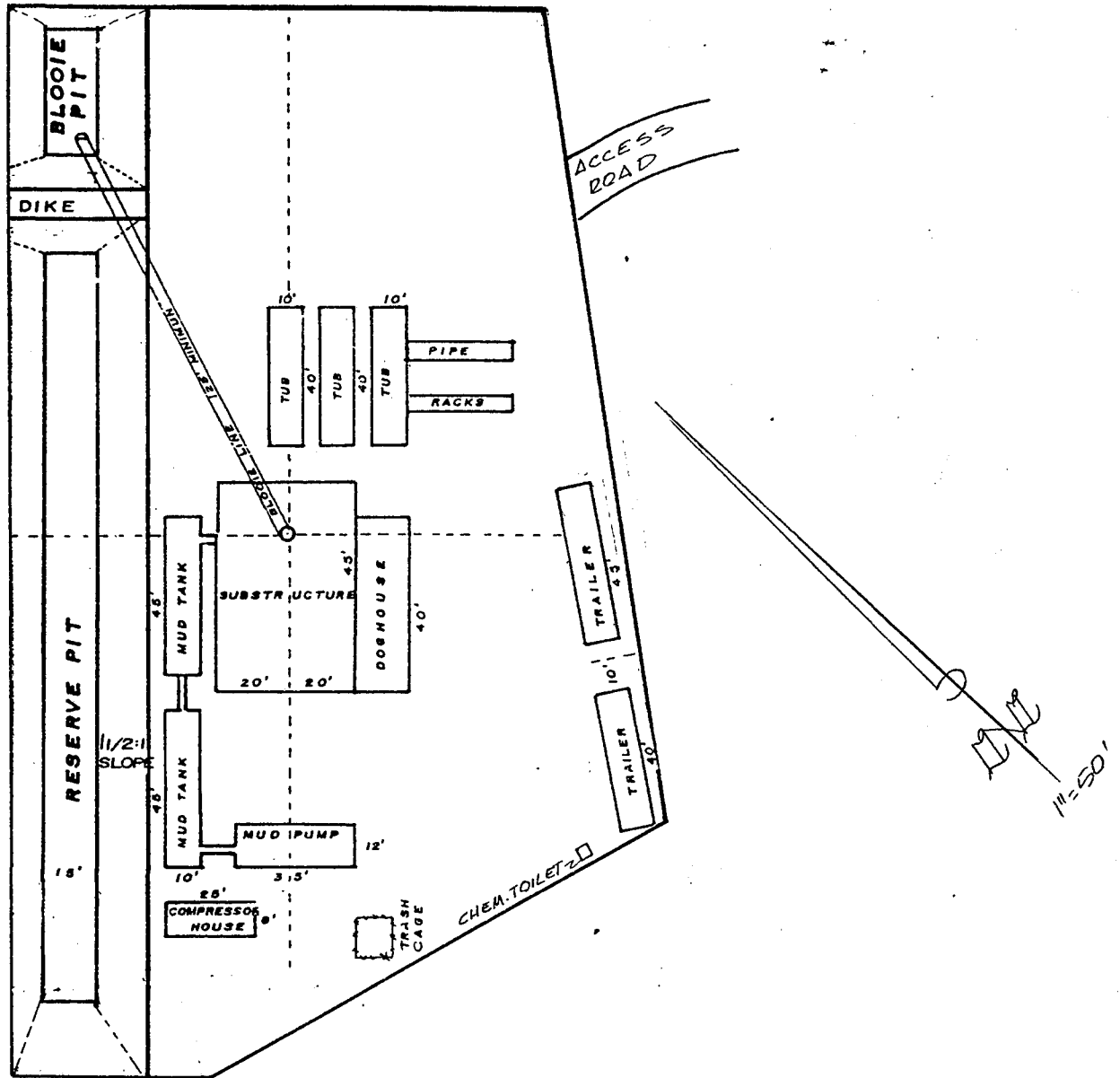
DIRT WORK INVOLVES DIGGING PITS
 PAD IS EXISTING AND WILL NOT
 REQUIRE MUCH WORK TO PREPARE.



CROSS-SECTIONS ON PAD ARE TOO SMALL TO SHOW.



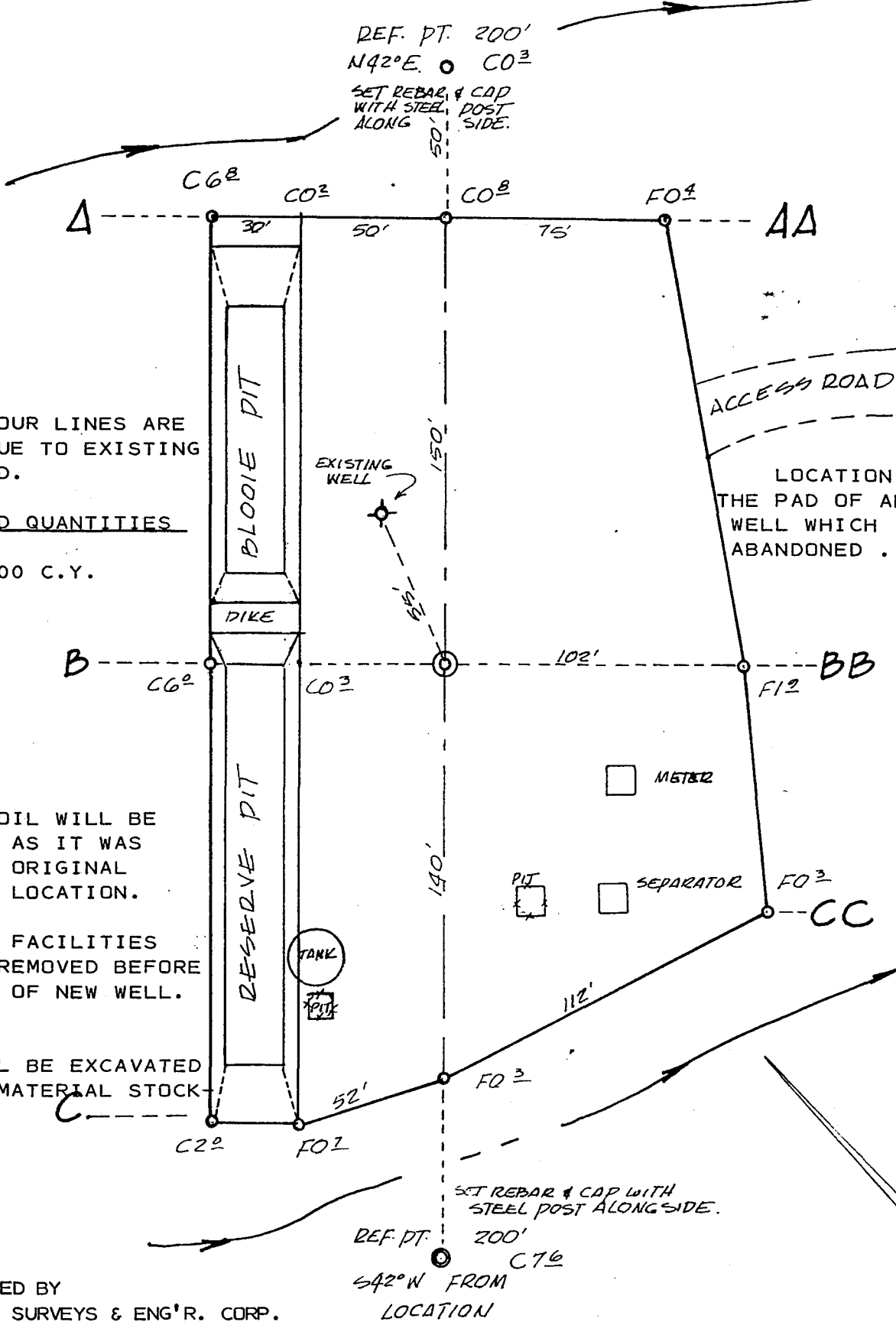
RIG LAYOUT
 VALENTINE FEDERAL # 3
 TXO PRODUCTION CORP.



TXO PRODUCTION CORP.
 PROPOSED LOCATION
 GRAND COUNTY, UTAH

TXO PRODUCTION CORP.
 PIT & PAD LAYOUT
 VALENTINE FEDERAL # 3

DEF. PT. 200'
 N42°E. ○ CO³
 SET REBAR & CAP
 WITH STEEL POST
 ALONG SIDE.



NO CONTOUR LINES ARE SHOWN DUE TO EXISTING FLAT PAD.

ESTIMATED QUANTITIES

CUT 2600 C.Y.

NO TOPSOIL WILL BE REMOVED AS IT WAS DONE ON ORIGINAL PAD AND LOCATION.

EXISTING FACILITIES WILL BE REMOVED BEFORE DRILLING OF NEW WELL.

PITS WILL BE EXCAVATED AND THE MATERIAL STOCK-PILED.

LOCATION LIES ON THE PAD OF AN EXISTING WELL WHICH IS GOING TO ABANDONED .

PREPARED BY
 ENERGY SURVEYS & ENG'R. CORP.

DEF. PT. 200'
 S42°N FROM
 LOCATION

DATE
 11-50'

OPERATOR TXO

DATE 10-13-82

WELL NAME VALENTINE FED # 3

SEC SESW 35 T 16S R 25E COUNTY GRAND

43-019-31009
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

Note for information; Surface location of Valentine Fed. #3
is on the location area of the TXO-Valentine Fed #1,
SESW, Sec. 35.

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a

149-14 Sep 23, 1982
CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

Production for testing shall not ^{exceed} exceed 60 days,
during which time the Valentine Fed #1 well
shall be discontinued. Directional (deviation)
log shall be submitted for test well at time
of completion.

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION *FED*

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER *149-14 Sep 23 1982*
~~*149-213*~~ ~~*100026 1980*~~

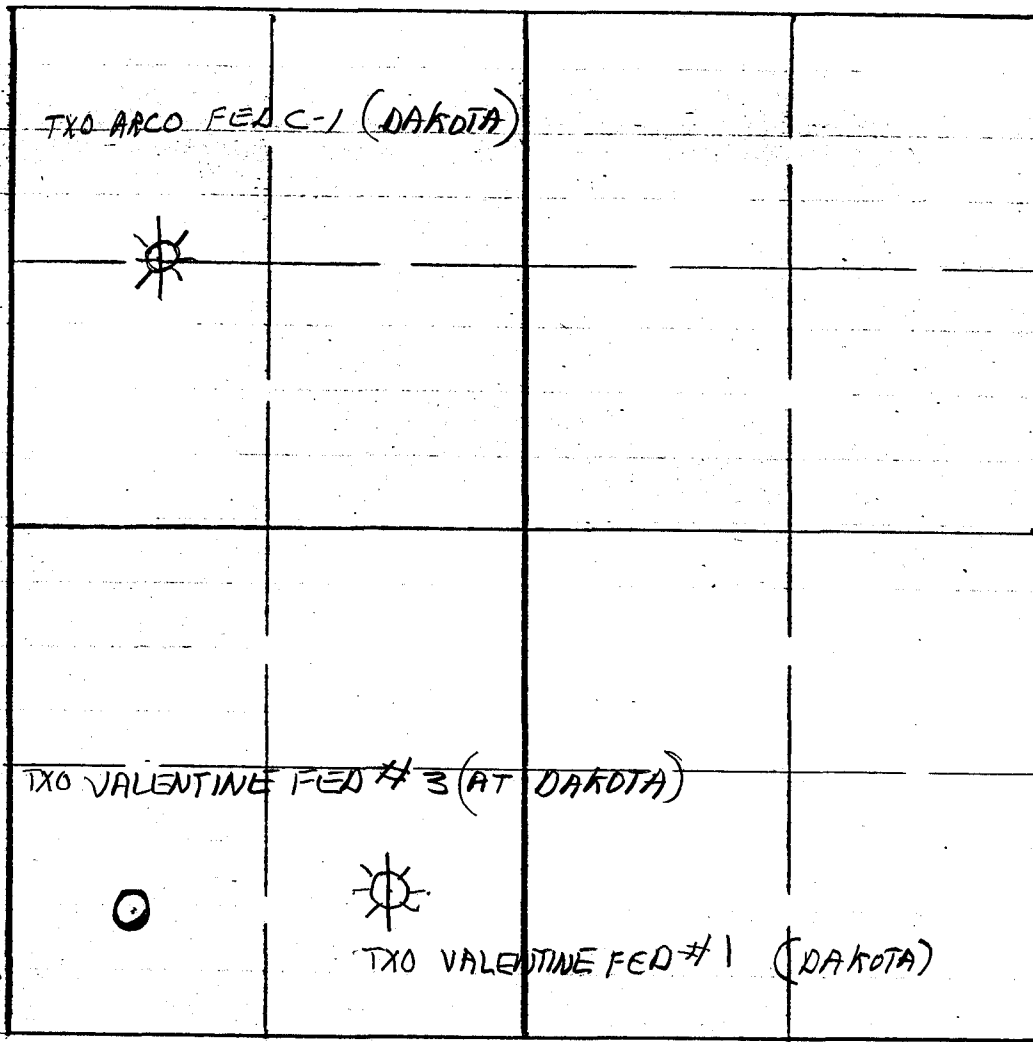
UNIT _____

c-3-b

c-3-c

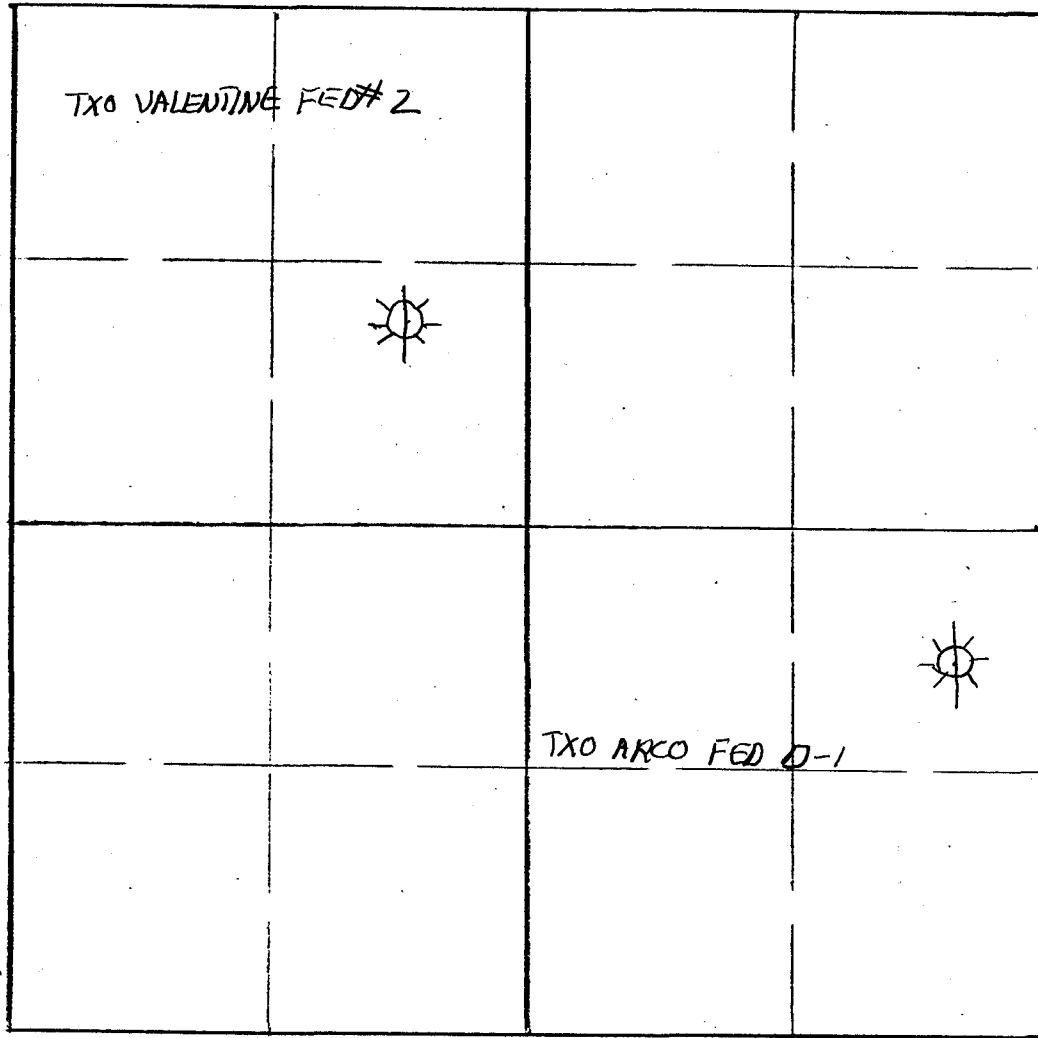
OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER *NO*



SCALE: 1" = 1000'

SEC 35
 16S, 25E
 GRAND



SCALE: 1" = 1000'

SEC 34
16S, 25E
GRAND

October 14, 1982

TXO Production Corporation
Attn: K. P. Laurie
1800 Lincoln Center Building
Denver, Colorado 80264

RE: Well No. Valentine Fed. #3
SESW Sec. 35, T.16S, R.25E
Grand County, Utah

Dear Ms. Laurie:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 149-14 dated September 23, 1982. Production for testing shall not exceed 60 days, during which time the Valentine Federal #1 well shall be discontinued. Directional (deviation) log shall be submitted for test well at time of completion.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR


CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-31009.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

NOTICE OF SPUD

Company: TXO Production Corp.

Caller: Bruce Wright

Phone: 303-861-4246

Well Number: Valentine Federal #3

Location: 35 165 25E

County: Grand State: Utah

Lease Number: 38276

Lease Expiration Date: -

Unit Name (If Applicable): -

Date & Time Spudded: 11:00AM 11/4/82

Dry Hole Spudder/Rotary: (Rotary)

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: Veco #3

Approximate Date Rotary Moves In: 11-3-82

FOLLOW WITH SUNDRY NOTICE

Call Received By: Becky

Date: 11/9/82

mms Vernal
State O&G ✓

Teresa
Diane
File

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: TXO Productions Corporation

WELL NAME: Valentine Fed. #3

SECTION SESW 35 TOWNSHIP 16S RANGE 25 E COUNTY Grand

DRILLING CONTRACTOR Veco

RIG # 3

SPUDDED: DATE 11-4-82

TIME 11:00 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Bruce Wright

TELEPHONE # 303-861-4246

DATE 11-9-82

SIGNED AS



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

TXO PRODUCTION
COMPANY

VALENTINE FEDERAL NO. 3
WELL NAME

GRAND COUNTY, UTAH
LOCATION

JOB NUMBER
RM1182-D1130

TYPE OF SURVEY
MAGNETIC SINGLE SHOT

DATE
19 NOVEMBER 1982

SURVEY BY
LYNN BADER

OFFICE
ROCKY MOUNTAIN

TXO PRODUCTION

COMPLETION REPORT

WELL NAME: VALENTINE FEDERAL NO.3

LOCATION: GRAND COUNTY, UTAH

FILE NO.: A2-065, FL4-05

START DATE: 8 NOVEMBER 1982

JOB NO.: RM1182-D1130

TYPE: MAGNETIC SINGLE SHOT

DIRECTIONAL DRILLER: LYNN BADER

COMPUTER OPERATOR: STEVE THURSTON

RELATED FILES: A2-064



VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL

DIRECTION: S 6 DEG 34 MIN W

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

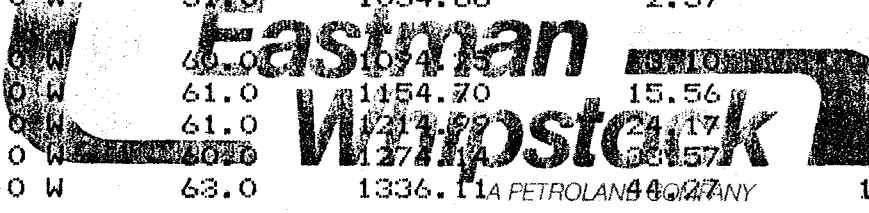
WELL NAME: VALENTINE FEDERAL NO.3

TIME DATE

LOCATION: GRAND COUNTY, UTAH

11:18:11 19-NOV-82

MEASURED DEPTH FEET	DRIFT		DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES		DOGLEG SEVERITY DG/100FT
	ANGLE D M						FEET	FEET	
0.00	0	0	0 0	0.0	0.00	0.00	0.00	0.00	0.00
700.00	1	0	S 30 0 E	700.0	699.96	-2.73	5.29 S	3.05 E	0.14
725.00	1	15	S 26 0 E	25.0	724.96	-2.93	5.72 S	3.28 E	1.05
788.00	1	0	S 22 0 E	63.0	787.95	-3.37	6.85 S	3.79 E	0.42
849.00	1	15	S 26 0 E	61.0	848.94	-3.79	7.95 S	4.27 E	0.43
882.00	0	15	S 74 0 W	33.0	881.93	-3.62	8.29 S	4.12 E	3.99
941.00	2	15	N 40 0 W	59.0	940.92	-2.48	7.94 S	2.96 E	3.66
973.00	3	30	N 51 0 W	32.0	972.87	-1.40	6.81 S	1.81 E	4.25
1004.00	4	45	N 50 0 W	31.0	1003.79	0.23	5.39 S	0.09 E	4.04
1035.00	6	0	N 52 0 W	31.0	1034.66	2.37	3.57 S	2.16 W	4.08
1095.00	7	15	N 67 0 W	40.0	1094.15	0.10	0.06 S	8.11 W	3.54
1156.00	8	15	N 70 0 W	61.0	1154.70	15.56	2.95 N	15.76 W	1.77
1217.00	9	15	N 73 0 W	61.0	1217.99	24.17	5.89 N	24.56 W	1.80
1277.00	10	0	N 73 0 W	60.0	1277.14	33.57	8.83 N	34.16 W	1.25
1340.00	10	45	N 75 0 W	63.0	1336.11	44.27	11.95 N	45.06 W	1.32
1403.00	11	15	N 78 0 W	63.0	1397.95	55.76	14.76 N	56.75 W	1.21
1464.00	12	0	N 79 0 W	61.0	1457.70	67.64	17.21 N	68.79 W	1.27
1527.00	12	45	N 80 0 W	63.0	1519.24	80.74	19.67 N	82.07 W	1.24
1589.00	13	15	N 82 0 W	62.0	1579.65	94.36	21.85 N	95.84 W	1.08
1650.00	14	45	N 83 0 W	61.0	1638.83	108.85	23.78 N	110.47 W	2.49
1681.00	15	0	N 83 0 W	31.0	1668.80	116.68	24.75 N	118.37 W	0.81
1710.00	15	30	N 86 0 W	29.0	1696.77	124.21	25.48 N	125.97 W	3.22
1770.00	16	15	N 87 0 W	60.0	1754.49	140.51	26.48 N	142.35 W	1.33
1833.00	17	15	N 88 0 W	63.0	1814.81	158.56	27.27 N	160.49 W	1.65
1894.00	18	30	N 88 0 W	61.0	1872.87	177.20	27.93 N	179.20 W	2.05
1955.00	19	15	N 90 0 W	61.0	1930.59	196.88	28.27 N	198.93 W	1.62
2017.00	20	30	S 89 0 W	62.0	1988.89	217.93	28.09 N	220.00 W	2.09
2080.00	21	45	S 88 0 W	63.0	2047.66	240.62	27.49 N	242.70 W	2.06
2142.00	23	0	S 87 0 W	62.0	2104.99	264.22	26.46 N	266.23 W	2.11
2205.00	24	0	S 85 0 W	63.0	2162.76	289.33	24.71 N	291.34 W	2.03



1A PETROLAND 40077 ANY

WELL NAME: VALENTINE FEDERAL NO. 3

TIME DATE

LOCATION: GRAND COUNTY, UTAH

11:18:11 19-NOV-82

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET		DOGLEG SEVERITY DG/100FT
2268.00	25 15	S 85 0 W	63.0	2220.03	315.57	22.42 N	317.49 W	1.98
2329.00	26 15	S 83 0 W	61.0	2274.97	342.05	19.65 N	343.84 W	2.17
2392.00	27 30	S 81 0 W	63.0	2331.17	370.43	15.69 N	372.04 W	2.45
2451.00	28 45	S 81 0 W	59.0	2383.20	398.11	11.34 N	399.51 W	2.12
2503.00	28 15	S 80 0 W	52.0	2428.90	422.79	7.24 N	423.98 W	1.33
2565.00	27 30	S 80 0 W	62.0	2483.70	451.59	2.21 N	452.53 W	1.21
2626.00	27 0	S 80 0 W	61.0	2537.93	479.33	2.64 S	480.04 W	0.82
2688.00	26 0	S 80 0 W	62.0	2593.42	506.82	7.44 S	507.28 W	1.61
2751.00	25 0	S 79 0 W	63.0	2650.28	538.73	12.39 S	533.95 W	1.73
2813.00	24 30	S 80 0 W	62.0	2706.58	559.49	17.12 S	559.47 W	1.05
2853.00	24 0	S 78 0 W	46.0	2743.06	575.77	20.25 S	575.60 W	2.40
2888.00	23 30	S 79 0 W	35.0	2775.09	589.73	23.06 S	589.41 W	1.83
2918.00	24 0	S 80 0 W	30.0	2802.55	601.72	25.26 S	601.29 W	2.14
2950.00	24 15	S 78 0 W	32.0	2831.76	614.69	27.76 S	614.13 W	2.67
3011.00	25 0	S 78 0 W	61.0	2887.21	639.82	33.04 S	638.99 W	1.23
3072.00	26 0	S 78 0 W	61.0	2942.26	665.79	38.50 S	664.67 W	1.64
3133.00	26 30	S 76 0 W	61.0	2996.97	692.39	44.57 S	690.96 W	1.67
3195.00	27 15	S 76 0 W	62.0	3052.28	719.94	51.35 S	718.16 W	1.21
3316.00	28 45	S 75 0 W	121.0	3159.11	775.69	65.57 S	773.15 W	1.30
3408.00	30 0	S 73 0 W	92.0	3239.28	819.73	78.01 S	816.53 W	1.73
3502.00	31 15	S 73 0 W	94.0	3320.17	866.28	92.01 S	862.32 W	1.33
3595.00	33 0	S 71 0 W	93.0	3398.93	914.14	107.29 S	909.35 W	2.20
3653.00	34 0	S 70 0 W	58.0	3447.29	944.90	117.98 S	939.53 W	1.97
3690.00	33 15	S 72 0 W	37.0	3478.10	964.64	124.65 S	958.90 W	3.61
3721.00	30 15	S 75 0 W	31.0	3504.46	980.53	129.28 S	974.53 W	10.93
3754.00	28 15	S 78 0 W	33.0	3533.25	996.40	133.04 S	990.21 W	7.51
3785.00	28 30	S 78 0 W	31.0	3560.52	1010.97	136.11 S	1004.62 W	0.81
3816.00	28 30	S 78 0 W	31.0	3587.77	1025.60	139.18 S	1019.09 W	0.00
3847.00	29 0	S 78 0 W	31.0	3614.95	1040.34	142.28 S	1033.68 W	1.61
3874.00	29 30	S 78 0 W	27.0	3638.50	1053.39	145.03 S	1046.53 W	1.85

Eastman
Westlake
A PETROLEUM COMPANY

XO PRODUCTION

COMPLETION REPORT

COMPUTATION

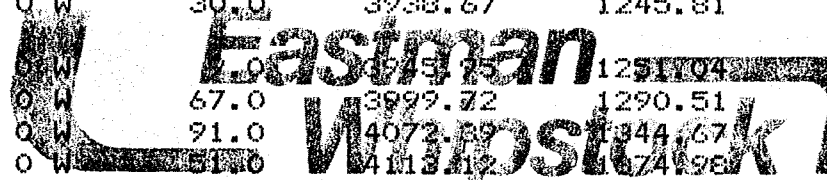
WELL NAME: VALENTINE FEDERAL NO.3

TIME DATE

LOCATION: GRAND COUNTY, UTAH

11:18:11 19-NOV-82

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET		SLOPE PERCENT DG/100FT
3704.00	30 0	S 79 0 W	30.0	3664.55	1068.13	147.99 S	1061.17 W	2.35
3935.00	30 30	S 78 0 W	31.0	3691.33	1083.59	151.11 S	1076.47 W	2.29
3965.00	31 15	S 78 0 W	30.0	3717.08	1098.81	154.31 S	1091.53 W	2.50
3996.00	31 15	S 78 0 W	31.0	3743.58	1114.71	157.65 S	1107.26 W	0.00
4027.00	32 30	S 77 0 W	31.0	3769.90	1130.88	161.20 S	1123.24 W	4.38
4058.00	33 30	S 78 0 W	31.0	3795.90	1147.55	164.85 S	1139.72 W	3.67
4082.00	33 45	S 78 0 W	24.0	3815.89	1160.69	167.61 S	1152.72 W	1.04
4141.00	35 0	S 77 0 W	59.0	3864.58	1193.59	174.82 S	1185.24 W	2.32
4202.00	35 45	S 78 0 W	61.0	3914.32	1228.46	182.47 S	1219.72 W	1.55
4232.00	35 45	S 79 0 W	30.0	3938.67	1245.81	185.96 S	1236.90 W	1.95
4241.00	36 15	S 77 0 W	51.0	3975.75	1251.04	187.06 S	1242.07 W	14.19
4308.00	37 0	S 78 0 W	67.0	3999.72	1290.51	195.71 S	1281.09 W	1.43
4399.00	37 0	S 78 0 W	91.0	4072.89	1344.67	207.10 S	1334.66 W	0.00
4450.00	37 0	S 77 0 W	51.0	4113.12	1374.98	213.74 S	1364.63 W	1.18



A PETROLANE COMPANY

FINAL CLOSURE -- DIRECTION: S 81 DEGS 5 MINS 53 SECS W
 DISTANCE: 1381.26 FEET

11:18:11

19-NOV-82

FILE NUMBER: 65

TXO PRODUCTION

COMPLETION REPORT

WELL NAME: VALENTINE FEDERAL NO.3

LOCATION: GRAND COUNTY, UTAH

OPERATIONAL SURVEY PROGRAM V02.11

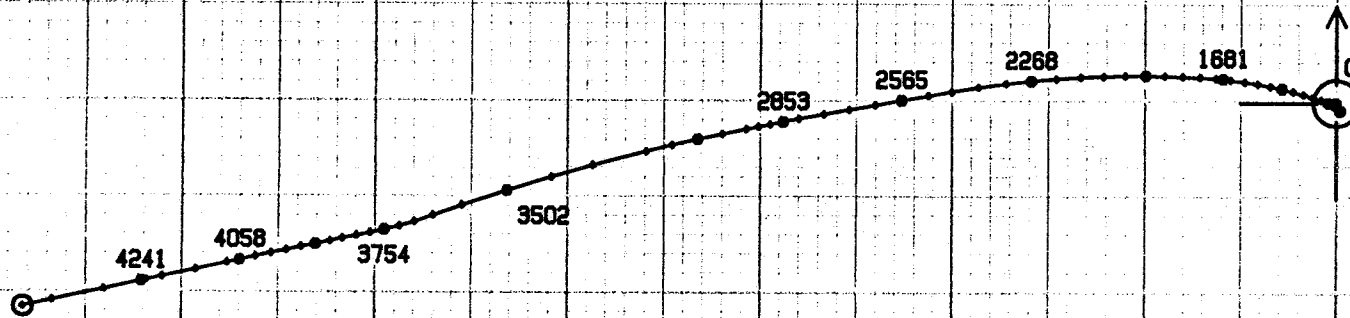


TXO PRODUCTION
WELL NAME: VALENTINE FEDERAL NO. 3
LOCATION: GRAND COUNTY, UTAH

EASTMAN WHIPSTOCK, INC.

HORIZONTAL PROJECTION

SCALE 1 IN. = 200 FEET
DEPTH INDICATOR: MD

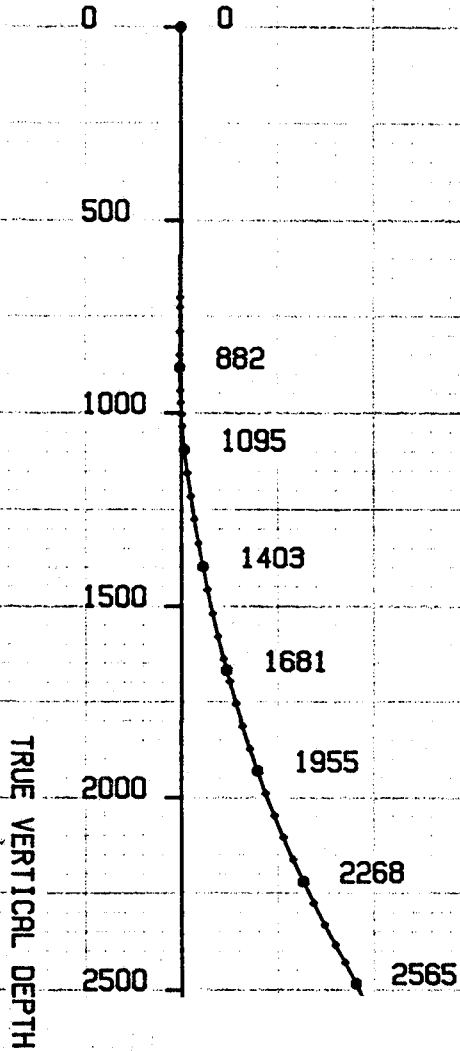


FINAL STATION:
DEPTH 4450 MD. 4113.12 TVD
SOUTH 213.74 WEST 1364.62
CLOSURE 1381.26 S 81 S 53 W

TXO PRODUCTION
WELL NAME: VALENTINE FEDERAL NO. 3
LOCATION: GRAND COUNTY, UTAH

VERTICAL PROJECTION
SCALE 1 IN. = 500 FEET

EASTMAN WHIPSTOCK, INC.



TXO PRODUCTION CORP.

VALENTINE FEDERAL #3

SW SW SECTION 35-T16S-R25E

GRAND COUNTY - UTAH

RECEIVED

DEC 06 1982

**DIVISION OF
OIL, GAS & MINING**

GEOLOGIC REPORT

BY

JOSEPH J. RUNGE

SUMMIT MOUNTAIN GEOLOGY

WELL SUMMARY

OPERATOR: TXO PRODUCTION CORP.
WELL NAME: VALENTINE FEDERAL #1
LOCATION 720' FSL 1968' FWL
SW SW SECTION 35-T16S-R25E
AREA: BAR X FIELD
STATE: UTAH
COUNTY: GRAND
ELEVATION: GL 5681' KB 5693'
WELLSITE GEOLOGIST: JOSEPH J. RUNGE
COMPANY ENGINEER: RANDY WALCK
SPUD DATE: NOVEMBER 4, 1982
COMPLETION DATE: NOVEMBER 18, 1982
CONTRACTOR: VECO DRILLING RIG #3
HOLE SIZE: 11" to 700'; 7 7/8" to 4438'
CASING SIZE: 8 5/8" to 678'; 4 1/2" to 4438'
MUD COMPANY: WESTERN MUD COMPANY
AIR CONTRACTORS: VECO AIR DRILLING
ELECTRIC LOGGING CO.: GEARHART WELL SERVICES, GRAND JUNCTION
TYPES OF LOGS: DIL-GR: CDL-CNL-GR-CAL
OBJECTIVE: DAKOTA SANDS
TOTAL DEPTH: 4438
STATUS: RUN PIPE THRU DAKOTA FORMATION

WELL CHRONOLOGY

VALENTINE FEDERAL #1

1982 DATE	MIDNIGHT DEPTH	FT/ DAY	DAILY OPERATIONS
11-4	-0-	465	Rig up- Spud @ 2:00 pm- Drlg surface-Survey
11-5	465	244	Drlg- Survey- TD surface @ 709'- Toh- Run 8 5/8" csg- Cmt csg- Woc- Wait on 8 5/8" flange
11-6	709	85	Wait on flange- Orange peel conductor pipe to csg- Nipple up- Pres test- TIH- Drlg cmt- Dry up hole- Survey-
11-7	794	311	Drlg- Survey- Blow hole- TOH- Pick up dyna drill an bent sub- TIH- Orient tool Drlg- POOH- Lay down Dyna drill- Pick up collars & stabilizer- TIH
11-8	1105	881	Ream to bottom- Tag bottom @ 1108- Dry hole- Drlg- Survey- Drl 60' & survey
11-9	1986	680	Drlg & Survey every 60'- POOH- Change BHA- TIH- Strap in- Ream to bottom
11-10	2666	650	Drlg & Survey every 60'- Work on wire line machine- Blow hole- TOH- Change BHA- TIH slow- Change rotating rubber- Drlg ahead- Work pipe- Tight hole- Drlg
11-11	3316	367	Drlg and Survey every 90'- POOH- Pick up Dyna drill- TIH- Orient tool- Motor won't work- POOH- Chain out- Lay down Dyna drill
11-12	3683	31	Wait on dyna drill- pick up dyna drill- test drill- TIH- Orient tool- Drlg- Survey- POOH- Lay down Dyna drill- Pick up new dyna drill- TIH- Orient Tool- Start drlg
11-13	3714	52	Drlg- Work dyna drill- TOH- Pick up new dyna drill- TIH- Orient tool- Drlg- Survey- Wash & Ream to bottom- Work pipe to bottom- Blow hole- TOOH- W/o orders- Pick up New BHA- TIH

11-14	3766	349	Trip in- Drlg- Survey- Tight hole- Work pipe- Toh
11-15	4115	61	TOH- Lay down 3pt reamer- TIH- un- load hole- Wash & Ream 40' to bottom- TOH- Unplug bit, IBS, & monell collar- W/o bit sub- TIH- Ream 30' to bottom- Drlg- Survey- Mud up @ 4176- Pull 5 stds- Wash and ream 40' to bottom
11-16	4176	70	Wash and ream- Tight hole- Drlg & survey Circ & TOOH- Make up new BHA- Trip in
11-17	4246	146	Trip in- Ream to bottom 20'- Drlg- Survey- Work on pump- Work on tight hole
11-18	4392	58	Drlg- Survey- TD hole @ 4450- Short trip- TOH- Logging- Wait on orders

WELL NAME: VALENTINE FEDERAL #1 LOCATION: GRAND COUNTY, UTAH

COMPANY NAME: TXO PRODUCTION CORP. SECTION: 35-T16S-R25E

BIT #	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS	FT/HR
1	11"	REED	13 J	709	709	17½	41.0
2	7 7/8"	SMITH	V2HJ	874	165	4¼	39.0
3	7 7/8"	SEC	M44N	1105	231	6	38.0
4	7 7/8"	SMITH	SVH	2481	1376	19¼	71.50
5	7 7/8"	SMITH	SVH	3683	1202	17½	69.0
6	7 7/8"	SMITH	SVH	3720	37	3½	11.0
7	7 7/8"	SMITH	SVH	4119	353	10	35.0
8	7 7/8"	SMITH	F-4	4450	331		

SUMMIT MOUNTAIN GEOLOGY
GRAND JUNCTION, COLO.

BIT RECORD

DEVIATIONS SURVEYS

DEPTH	DEVIATIONS	TVD	DEPTH	DEVIATION	TVD
136	1/4°		2329	26 1/4° S83W	2274
445	3/4°		2392	27 1/2° S81W	2330
700	1° S30E	699	2451	28 3/4° S81W	2383
725	1 1/4° S26E	724	2503	28 1/4° S80W	2428
788	1° S22E	787	2565	27 1/2° S80W	2483
848	1 1/4° S26E	847	2626	27° S80W	2537
882	1/4° S74W	881	2688	26° S80W	2593
941	2 1/4° N40W	940	2751	25° S79W	2650
973	3 1/2° N51W	972	2813	24 1/2° S80W	2706
1004	4 3/4° N50W	1003	2853	24° S78W	2742
1035	6° N52W	1034	2888	23 1/2° S79W	2775
1095	7 1/4° N67W	1094	2918	24° S80W	2802
1156	8 1/4° N70W	1154	2950	24 1/4° S78W	2831
1217	9 1/4° N73W	1214	3011	25° S78W	2887
1277	10° N73W	1274	3072	26° S78W	2942
1340	10 3/4° N75W	1336	3133	26 1/2° S76W	2996
1403	11 1/4° N78W	1397	3195	27 1/2° S76W	3052
1464	12° N79W	1457	3316	28 3/4° S75W	3158
1527	12 3/4° N80W	1519	3408	30° S73W	3239
1589	13 1/4° N82W	1579	3502	31 1/4° S73W	3320
1650	14 3/4° N83W	1638	3595	33° S71W	3398
1681	15° N83W	1668	3653	34° S70W	3447
1710	15 1/2° N86W	1696	3690	33 1/4° S72W	3477
1770	16 1/4° N87W	1754	3721	30 1/4° S75W	3504
1883	17 1/4° N88W	1814	3754	28 1/4° S78W	3533
1894	18 1/2° N88W	1872	3785	28 1/4° S78W	3560
1955	19 1/4° N90W	1930	3816	28 1/2° S78W	3587
2017	20 1/2° S89W	1988	3847	29° S78W	3614
2080	21 3/4° S88W	2049	3874	29 1/2° S78W	3638
2142	23° S87W	2104	3904	30° S79W	3664
2205	24° S85W	2162	3935	30 1/2° S78W	3691
2268	25 1/4° S85W	2219	3965	31 1/4° S78W	3716

DEPTH	DEVIATION	TVD
3996	31 1/4° S78W	3743
4027	32 1/2° S77W	3769
4058	33 1/2° S78W	3795
4048	33 3/4° S78W	3815
4141	35° S77W	3864
4202	35 3/4° S78W	3914
4241	36 1/4° S79W	3945
4308	37° S78W	4000
4399	37° S78W	4072
4450	37° S78W	4113

FORMATION TOPS

FORMATION	DRILL TIME	TVD	"E" LOG	DATUM
BUCK TONGUE	SURF	SURF	SURF	5681
CASTLEGATE	270	260	260	5421
MANCOS	460	500	500	5181
MANCOS "B"	900	980	980	4701
BASE MANCOS "B"	1800	1816	1834	3847
FRONTIER	3745	3514	3727	1954
DAKOTA SILT	4025	3766	4024	1657
DAKOTA FM	4095	3840	4110	1571
2nd Kd SAND	4155	3871	4154	1527
3rd Kd SAND	4205	3913	4202	1479
4th Kd SAND	4290	3986	4292	1389
BUCKHORN	4380	4040	4370	1311
MORRISON	4395	4050	4386	1295
1st Jm SAND	4400	4053	4388	1293

TOPS COMPARED TO NEAREST OFFSET GRAND COUNTY - UTAH

FORMATION	TEXAS OIL AND GAS VALENTINE FED. #1 SEC. 35-T16S-R25E		TXO PRODUCTION CORP. VALENTINE FEDERAL #3 SEC. 35-T16S-R25E	
	TVD	DATUM	TVD	DATUM
BUCK TONGUE	SURF	5681	SURF	5681
CASTLEGATE	265	5416	260	2421
MANCOS	425	5256	500	5181
MANCOS "B"	990	4691	980	4701
BASE MANCOS "B"	1830	3851	1816	3865
DAKOTA SILT	3800	1881	3766	1915
DAKOTA FM	3870	1811	3838	1843
2nd Kd SAND	3920	1761	3870	1811
3rd Kd SAND	3955	1726	3912	1769
4th Kd SAND	4004	1677	3986	1695
BUCKHORN	4046	1635	4040	1641
MORRISON	4058	1623	4050	1631
1st Jm SAND	4030	1651	4053	1628



Summit Mountain

Geology, Inc.

Well Site Geology

COMPANY TXO PRODUCTION CORP.

WELL NAME VALENTINE FEDERAL #3

LOCATION SECTION 35-T16S-R25E GRAND COUNTY - UTAH

ZONE OF INTEREST NO. 1

INTERVAL: From 4158 To 4174

DRILL RATE: Abv 1.0 min/ft Thur 3.5 min/ft Below 5.0 min/ft

FORMATION NAME DAKOTA MEMBER 2nd SAND

ZONE DRILL RATES	ZONE "E" LOG DEPTHS	OhmM	'E' LOG ANALYSIS		X PLOT Ø
			POROSITY N	% SW D	
	4158:60	35	13	13	
	60:62	40	12	13	1
	62:64	40	13	14	1
	64:66	35	13	14	1
	66:68	35	14	14	
	68:70	30	14	17	3
	70:72	30	13	14	
	72:74	20	14	13	

TYPE SHOW INCREASE: GRADUAL SHARP _____

SHOW VARIATION WITHIN ZONE: STEADY _____ ERRATIC INCREASING _____ DECREASING _____

FLUORESCENCE: MINERAL _____ EVEN _____ SPOTTY STREAMING FLASHING _____ HALEO _____

NONE _____ CUT: NONE _____ SLOW _____

POOR % in Total Sample 50% POOR MOD _____

FAIR _____ % in Show Lithology 50% FAIR _____ FAST _____

STAIN: NONE POOR _____ FAIR _____ GOOD _____ LIVE _____ DEAD _____ RESIDUE _____ EVEN _____

POROSITY: POOR _____ FAIR GOOD ? _____ KIND INTRAGRANULAR

LITHOLOGY: SS clear fine-medium grain subround to round well sorted firm

DULL PALE YEL FLUO SLOW STRMG CUT

NOTIFIED: JIM WILLIAMS At 9:00 am HRS. DATE 11-16-82

REMARKS: MUDDERED HOLE UP AT 4176 A SMALL BLUE FLARE WAS NOTED AT BLOOTE

LINE WHILE MUD FILLED HOLE

ZONE DESCRIBED BY: JOSEPH J RUNGE



Summit Mountain

Geology

Well Site Geology

COMPANY TXO PRODUCTION CORP.

WELL NAME VALENTINE FEDERAL #3

LOCATION SECTION 35-T16S-R25E GRAND COUNTY - UTAH

ZONE OF INTEREST NO. 2

INTERVAL: From 4200 To 4240

DRILL RATE: Abv 15.0 min/ft Thur 5.0 min/ft Below 25.0 min/ft

FORMATION NAME DAKOTA MEMBER 3rd SAND

ZONE DRILL RATES	ZONE "E" LOG DEPTHS	'E' LOG ANALYSIS				
		OhmM	POROSITY		% SW	X PLOT Ø
			^N	^D		
	4200-05	6	29	12		
	05-10	4	19	21		3
	10-15	4	21	23		3
	15-20	7	15	20		6
	20-25	9	17	17		
	25-30	9	16	24		8
	30-35	10	16	21		5
	35-40	7	10	21		

TYPE SHOW INCREASE : GRADUAL SHARP _____

SHOW VARIATION WITHIN ZONE: STEADY _____ ERRATIC _____ INCREASING _____ DECREASING _____

FLUORESCENCE: MINERAL _____ EVEN _____ SPOTTY STREAMING _____ FLASHING _____ HALEO _____
 NONE _____ CUT: NONE SLOW _____
 POOR % in Total Sample 20% POOR _____ MOD _____
 FAIR _____ % in Show Lithology 20% FAIR _____ FAST _____

STAIN: NONE POOR _____ FAIR _____ GOOD _____ LIVE _____ DEAD _____ RESIDUE _____ EVEN _____

POROSITY: POOR _____ FAIR _____ GOOD KIND _____ INTRAGRANULAR _____

LITHOLOGY: SS clear white milky very fine to medium grained subround to round
occasionally subangular firm PALE ORANGE FLUO NO CUT

NOTIFIED: JIM WILLIAMS At 8:00 am HRS. DATE 11-17-82

REMARKS: NO SHOWS WHILE DRILLING DUE TO DRILLING WITH MUD

ZONE DESCRIBED BY: JOSEPH J RUNGE



Summit Mountain

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Well Site Geology

COMPANY TXO PRODUCTION CORP.

WELL NAME VALENTINE FEDERAL #3

LOCATION SECTION 35-T16S-R25E GRAND COUNTY - UTAH

ZONE OF INTEREST NO. 3

INTERVAL: From 4292 To 4302

DRILL RATE: Abv _____ Thur _____ Below _____

FORMATION NAME DAKOTA MEMBER 4th SAND

ZONE DRILL RATES	ZONE "E" LOG DEPTHS	'E' LOG ANALYSIS			
		OhmM	POROSITY N	% SW D	X PLOT Ø
	4290 92	20	14	8	
	92 94	30	9	11	2
	94 96	35	8	14	6
	96 98	35	7	15	8
	98 4300	30	7	9	3
	4300 02	10	10	10	

TYPE SHOW INCREASE : GRADUAL SHARP _____

SHOW VARIATION WITHIN ZONE: STEADY _____ ERRATIC _____ INCREASING _____ DECREASING _____

FLUORESCENCE: MINERAL _____ EVEN _____ SPOTTY STREAMING _____ FLASHING _____ HALEO _____
 NONE _____ CUT: NONE _____ SLOW
 POOR % in Total Sample 10% POOR MOD _____
 FAIR _____ % in Show Lithology 10% FAIR _____ FAST _____

STAIN: NONE POOR _____ FAIR _____ GOOD _____ LIVE _____ DEAD _____ RESIDUE _____ EVEN _____

POROSITY: POOR _____ FAIR _____ GOOD KIND INTRAGRANULAR

LITHOLOGY: SS clear to white fine to medium grained subround occ very fine grained TR DULL ORANGE FLUO SLOW CUT

NOTIFIED: JIM WILLIAMS At 9:00 am HRS. DATE 11-18-82

REMARKS: _____

ZONE DESCRIBED BY: JOSEPH J RUNGE

SAMPLE DESCRIPTION

700-30	SH	100%	m-dkgy mic frm
730-60	SH	100%	m-dkgy mic trs slt frm sl calc
760-90	SH	100%	m-dkgy mic frm sl calc
790-820	SH	100%	dkgy mic frm
820-50	SH	100%	dkgy mic slty frm sl calc
850-80	SH	100%	a/a
880-910	SH	100%	m-dkgy mic v slty frm sl calc
910-1000	SH	100%	dkgy mic frm
1000-30	SH	100%	m-dkgy mic frm sl calc
1030-60	SH	100%	vdkgv v mic frm sl calc
1060-1120	SH	80%	dk-blkgy mic frm-sft
	SLTST	20%	gy sbrd frm
1120-50	SH	100%	dkgy blk v mic frm sl calc
1150-1240	SH	100%	m-dkgy mic frm sl calc
1240-1330	SH	100%	m-dkgy mic occ stngrs blk slt frm
1330-60	SH	100%	dkgy blk mic frm
1360-1450	SH	100%	m-dkgy v mic v slty stngrs sl calc
1450-80	SH	100%	dkgy mic frm
1480-1630	SH	100%	dkgy mic occ slty frm
1630-90	SH	100%	m-ltgy mic frm sl calc
1690-1780	SH	100%	m-dkgy mic frm
1780-1900	SH	100%	m-dkgy mic strngrs of blk slt sl calc
1900-50	SH	100%	dkgy mic frm
1950-2000			NO SAMPLE
2000-50	SH	90%	dkgy mic frm
	SLTST	10%	blk-clr sbrd free
2050-2100	SH	90%	dkgy mic frm sl calc
	SLTST	10%	clr sbrd sdy free
2100-2200	SH	100%	dk-mgy mic frm sl calc
2200-50	SLTST	100%	smky-clr sbrd sdy frm-free
2250-2300	SH	100%	blk dkgy mic occ slty frm sl calc
2300-2450	SH	100%	blk-dkgy mic frm
2450-2600	SH	90%	m-dkgy slty mic calc
	SLTST	10%	clr-smky sbrd-sbang free
2600-2700	SH	100%	dkgy mic frm
2750-2800	SH	90%	dkgy mic frm slty
	SLTST	10%	smky sbang free
2800-50	SH	100%	dkgy blk occ brn mic frm
2850-2900	SH	100%	m-dkgy blk brn mic frm
2900-50	SH	100%	brn-dkgy mic frm bcm calc
2950-3000	SH	80%	brn-dkgy mic occ slty calc
	SLTST	20%	brn-smky clr sbang free
3000-50	SH	100%	brn-dkgy mic occ slty calc
3050-3100	SH	100%	a/a
3100-3200	SH	90%	brn-dkgy mic slty stngrs sl calc
	SLTST	10%	clr-smky sbrd-sbang free
3200-50	SH	90%	dkgy mic slty stngrs sl calc
	SLTST	10%	clr-smky sbang free

3250-3300	SH	90%	a/a
	SLTST	10%	a/a
3300-50	SH	100%	blk-dkgy slmic frm-hd sl calc
3350-3400	SH	100%	blk-dkgy v slty frm sl calc
3400-50	SH	100%	pred dkgy vsilty frm sl calc
3450-3500	SH	100%	a/a
3500-50	SH	100%	dkgy mic occ slty frm sl calc
3550-3600	SH	100%	a/a
3600-3800	NO	SAMPLE	
3800-30	SH	100%	m-ltgy mic frm sl calc
3830-60	SH	100%	mggy mic frm
3860-90	SH	100%	a/a
3890-3920	SH	100%	m-dkgy mic strngrs blk slt
3920-50	SH	100%	m-dkgy mic frm calc
3950-80	SH	100%	dkgy blk mic bcm v sdy frm
3980-4000	SLTST	100%	clr-smky slt sbrd psrtd free
4000-10	SS	100%	clr-smky vf-mgr sbrd psrtd free
4010-20	SS	70%	a/a
	SH	30%	blk mic v slty & sdy frm sl calc
4020-30	SS	70%	clr-smky pred vfgr grdg to sltst free
	SH	30%	blk mic v slty occ sdy frm sl calc
4030-40	SH	90%	blk mic sl slty occ sdy frm sl calc
	SLTST	10%	smky-clr sbrd grdg to vfgr ss
4040-50	SLTST	100%	blk-smky sbrd v mic bcm sdy frm-free
4050-60	SH	100%	blk mic v slty & sdy frm
4060-70	SH	90%	a/a
	SS	10%	clr-smky fgr sbrd free
4070-80	SLTST	100%	clr-smky sbrd-rd occ grdg to fgr ss
4080-90	SLTST	100%	smky-blk sbrd-sbang shly frm sl calc
4090-4100	SS	100%	smky-clr fgr sbrd free
4100-10	SS	100%	smky-clr sbrd shly frm-free
4110-60	NO	SAMPLE	
4160-70	SH	100%	blk mic frm
4170-80	SH	100%	blk-dkgy mic v carb strngrs slty ip sl calc
4170-80	SH	100%	blk dkgy mic v carb strngrs slty sl calc
	SS	TR	clr mgr sbrd sbang hd
4180-90	SH	90%	a/a
	SS	10%	clr f-mgr sbrd-sbang vhd-fri sl calc
4190-4200	SH	80%	blk-dkgy mic slty & sdy frm brit
	SS	20%	gy-clr vfgr sbrd slty sl calc
4200-05	SH	90%	blk dkgy mic slty frm brit
	SS	10%	clr fgr sbrd brit
4205-10	SH	100%	blk dkgy v mic slty frm-brit
	SS	TR	clr fgr sbrd frm
4210-15	SH	90%	blk-dkgy occ ltgy mic slty & sdy frm
	SS	10%	clr f-mgr sbrd-rd wsrtd frm
	TR	YEL FLUO	SLOW STRMG CUT
4215-20	SH	90%	a/a
	SS	10%	clr-gy f-mgr sbrd frm
4220-25	SH	100%	blk-dkgy v mic carb slty frm-brit sl calc
	SS	TR	clr fgr sbrd grdg to sltst

4225-30	SH	80%	blk-dkgy mic carb slty frm splintery brit
	SS	20%	clr dkgy f-mgr sbrd-sbang frm-hd fri brit
			TR PALE ORNG FLUO NO CUT
4230-35	SH	90%	blk-ltgy mic slty frm sl calc
	SS	10%	clr wh mlky vf-fgr sbrd-rd frm-hd fri ip
4235-40	SH	100%	blk dkgy brn mic slty frm-hd
	SS	TR	clr f-mgr sbrd hd brit
4240-45	SH	100%	a/a
4245-50	SH	60%	blk-brn slty mic frm brit
	SS	40%	clr-wh f-mgr sbrd sbang wsrtd frm-fri
4250-55	SH	50%	blk brn slty hd-frm occ v brit
	SS	50%	clr-wh s&p vf-mgr sbrd-sbang sft vhd qtz
4255-60	SH	50%	choc brn mic slty sdy frm sl calc
	SS	50%	wh-clr vf-fgr sbrd hd brit
4260-65	SH	70%	wh-ltgy dkgy mic frm-sft bentic v calc
	SS	30%	pred wh cht occ wh vfgr wrded fri
4265-70	SH	70%	wh-ltgy dkgy mic slty frm-sft
	SS	30%	clr-wh-ltgy cgr ang qtz
4270-75	SH	90%	wh-ltgrn pale gy mic occ slty frm
	SS	10%	clr pale grn vf-cgr qtz trs c gr wrded sd free
4275-80	SS	90%	clr pale gy vf-fgr ang-sbrd hd-brit
	SH	10%	a/a
4580-85	SS	90%	pale gy-clr-grn fgr sbrd hd brit
	SH	10%	dkgy slty frm
4285-90	SS	80%	clr-palegrn vf-fgr sbrd hd brit
	SH	20%	brn-pale grn wxy slty frm calc
4290-95	SH	50%	pale-m grn slty bentic frm-sft calc
	SS	50%	pale grn clr vf-fgr sbrd hd brit
4295-4300	SH	30%	pale grn blk occ mic wxy frm
	SS	70%	clr-wh f-mgr sbrd occ vfgr hd brit frm-fri
			TR DULL ORNG FLUO SLOW CUT
4300-05	SH	10%	blk ltgrn mic wxy trs slt sl calc
	SS	90%	clr m-cgr sbrd-ang msrtd frm qtzic
			TR DULL ORNG RED FLUO SLOW CUT
4305-10	SH	10%	a/a
	SS	90%	clr fgr occ mgr sbrd-sbang hd brit qtzic
4310-15	SH	10%	blk-pale grn mic wxy frm
	SS	90%	clr m-cgr sbrd memtd frm occ brit qtzic
4315-20	SH	30%	pred gygrn blk mic wxy sdy sl calc
	SS	70%	ltgy clr palegrn vf-mgr sbrd-rd wsrtd frm
4320-25	SH	30%	a/a
	SS	70%	ltgy clr pale grn vfgr sbrd grdg to sltst hd
4325-30	SH	80%	ltgy gygrn mic wxy frm
	SS	20%	ltgrn clr vfgr sbrd slty hd
4330-35	SH	90%	ltgy-pale grn tan dkgy mic wxy frm v calc
	SS	10%	a/a
4335-40	SH	100%	ltgrn gygrn sdy slty mic frm
4340-45	SH	100%	ltgrn gygrn blk slty mic v wxy frm
	SS	TR	grn clr sbrd slty
4345-50	SH	100%	grn-blk occ brn sdy mic wxy frm
4350-55	SH	100%	m-dkgrn blk sdy slty wxy frm sl calc
	SS	TR	clr fgr sbrd fri

4355-60	SH	100%	a/a
	SLTST	TR	red brn sbrd mic
	SS		clr-ltgrn vfgr sbrd frm-hd
4360-65	SH	80%	gygrn blk mic sdy slty wxy frm
	SS	20%	clr vfgr sbrd hd brit clr ang free qtz frags
4365-70	SH	30%	gygrn blk slty wxy frm
	SS	70%	clr-pale grn vf-fgr rd hd brit clr ang free qtz
4370-75	SH	30%	a/a
	SS	70%	clr vf-fgr sbrd-rd hd brit
4375-80	SH	10%	blk gygrn slty mic frm
	SS	90%	clr vf-fgr sbrd-rd frm-fri sl calc
4380-85	SH	20%	a/a
	SS	80%	a/a
4385-90	SH	10%	blk gygrn brn mic slty occ sdy frm-hd
	SS	90%	clr-wh fgr sbrd wsrtd frm-fri sl calc
4390-95	SS	100%	clr-smky m-cgr qtzic hd
			clr v ang qtz frags
4395-4400	SS	100%	clr vang free qtz trs fgr wrded sd
4400-05	SH	80%	blk-brn ltgy grn slty wxy frm brit splintery
	SS	20%	pred clr-smky ang qtz w/tr fgr sbrd ss
4405-10	SH	30%	a/a
	QTZ	60%	pred clr smky ang qtz frags
	SS	10%	wh-ltgrn vf-fgr sbrd fri
4410-15	SH	100%	gygrn blk brn sdy slty pred wxy frm-brit
4415-20	SH	90%	a/a
	SS	10%	ltgrn wh vfgr sbrd frm-sft sl calc
4420-25	SH	70%	gygrn brn blk slty wxy frm-brit splintery
	SS	30%	ltgrn wh clr vfgr sbrd frm occ fri
4425-30	SH	100%	varagated wxy frm brit
4430-50	SH	100%	varagated wxy frm-hd bentic ip sl calc
	SLTST	TR	brn-grn sbrd frm-hd brit

GEOLOGIC SUMMARY

&

ZONES OF INTEREST

The Valentine Federal #3 was spudded in the buck Tongue Formation. This well was directionally drilled from the Valentine Federal #1 location towards the south west. The bottom of the hole is 1200 feet south west of the Valentine #1. The Dakota and Morrison formations were drilled with mud.

DAKOTA SILT (4020-4110)

The Dakota Silt in the Valentine #3 is predominately a clear to smoky color. Most of the silt grains were sub round to round in shape. Towards the bottom of the section the siltstone graded to a very fine to fine grained sandstone.

DAKOTA FORMATION (4110-4386)

The Dakota Formation in the Bar X Field consists of 5 sands plus the Buckhorn. Most wells have several of the sands but rarely have all five. The Valentine #3 has the 2nd, 3rd, 4th, and the Buckhorn present in the Dakota section.

2nd DAKOTA SAND (4154-4176)

The second sand of the Dakota was penetrated at 4154. Twenty two feet of fair to good porosity sand was noted on the logs and while drilling. A flare after a survey was noted at 4170. Logs show an average resistivity of 35-40 ohms from 4160-4172. Porosity logs show an average X-Plot porosity of 13-15% thru the same zone.

At 4176 it became necessary to mud the hole up. While filling the hole a very dark blue flare was noted at the blooie line. SEE SHOW REPORT #1

3rd DAKOTA SAND (4202-4240)

The third sand was encountered at 4202. Thirty two feet of sand was noted while drilling. Samples showed a clear to white, fine to medium grained, sub round to round, well sorted sand. The samples from 4205-15 showed traces of Pale Orange fluorescence, but no cut was noted. The average resistivity from 4202-20 was low (5 ohms) but this may have been due to mud invasion in the porous zones. From 4220-40

resistivities averaged 10 ohms with porosities of 18-20%

4th DAKOTA SAND (4292-4302)

The 4th Sand of the Dakota was penetrated at 4292. Ten feet of clear to white, fine to medium, sub round poorly sorted sand was noted in the samples. Moderately high resistivities were noted (30 ohms) with 10-12% average X-Ray porosities on the logs.

CEDAR MOUNTAIN FORMATION (4310-4386)

The Cedar Mountain formation is not normally recognized in the Uintah Basin. In the Valentine #3 well, shale samples became predominately light green to grey green from 4310 on. The green color is very characteristic of the Cedar Mountain Formation.

BUCKHORN (4370-4386)


The Buckhorn is the last sand of the Dakota before reaching the unconformity in the Morrison Formation. This sand is poorly developed and is wet on the logs. Samples showed clear, very fine to fine grained, sub round to round, firm to friable sand in the top 6-8 feet of the sand. The bottom 2 feet was angular chert and quartz fragments.

MORRISON (4386-TD)

The Morrison is a variegated shale with very prominent stringers of dark green shale and sandy siltstones. Also included in the Morrison were thin to thick stringers of bentonite.

The Brushy Basin Sands of the Morrison are generally well developed. The first Brushy Basin Sand was penetrated in the Valentine #3 well at 4386-4396. Ten feet of clear to milky colored, very angular quartz and chert were noted. Occasionally very fine to fine grained sandstone stringers were also noted in the samples. Logs indicate very poor porosity and wet formation.

It has been a great pleasure working with the fine people at and associated with TXO Production Corp. I'm looking forward to doing more work in the area for you. If I can be of any help with interpretation or just in general please feel to call at anytime.



JOSEPH J RUNGE

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

December 14, 1982

DIVISION OF OIL, GAS, & MINING
4241 State Office Building
Salt Lake City, Utah 84114

Attn: Mr. Cleon B. Feight
Director

RECEIVED
DEC 20 1982

DIVISION OF
OIL, GAS & MINING

RE: VALENTINE FEDERAL #3
Section 35, T16S-R25E
Grand County, Utah

Dear Mr. Feight:

Enclosed find two (2) copies of Form 9-330, "Well Completion or Recompletion Report and Log" and copies of the well history, logs, and directional surveys for the above referenced well.

If there are any further requirements concerning this well, please contact me at this office.

Sincerely,

TXO PRODUCTION CORP.

R. Bruce Wright

R. Bruce Wright
Petroleum Engineer

RBW/dek
encls.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.5

3
14

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
TXO Production Corp.

3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 729' FSL, 1968' FWL, Section 35, T16S-R25E
At top prod. interval reported below
552' FSL, 771' FWL
At total depth
515' FSL, 603' FWL

14. PERMIT NO. 43-019-31009 DATE ISSUED 11/2/82

15. DATE SPUNDED 11-4-82 16. DATE T.D. REACHED 11-18-82 17. DATE COMPL. (Ready to prod.) 12-12-82

18. ELEVATIONS (DF, RKB, RT, CE, ETC.)* 5693' RKB 19. ELEV. CASINGHEAD 5681'

20. TOTAL DEPTH, MD & TVD 4450' MD, 4113' TVD 21. PLUG, BACK T.D., MD & TVD 4400' MD, 4073' TVD 22. IF MULTIPLE COMPL., HOW MANY* --- 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
4294'-98'; 4215'-37'; 4162'-70' MD
3988'-92'; 3924'-42'; 3881'-88' TVD

25. WAS DIRECTIONAL SURVEY MADE Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN EDC CML, CIL-GR, SP, TVD log 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
8-5/8"	24#	676'	11"	None
4 1/2"	10.5#	4448'	7-7/8"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	4120'	None

31. PERFORATION RECORD (Interval, size and number)

4162'-70'; 0.38"; 4 holes
4215'-37'; 0.38"; 10 holes
4294'-98'; 0.38"; 3 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4162'-4298'	2000 gal 7.5% HCl w/ additives & 750 SCF/bbl N ₂

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
N/A		SI, WOPL					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-12-82	24	1/8"	→	---	126	---	---
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
350#	350#	→	---	126	---	---	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented

TEST WITNESSED BY
Wes Sutton

35. LIST OF ATTACHMENTS
Well History, Logs, Directional Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED R. Bruce Wright TITLE Petroleum Engineer DATE 12/14/82

*(See instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH	
				Castlegate	275'	275'
				Mancos	475'	475'
				Dakota	4027'	3766'
				Morrison	4396'	4059'

TXO

WELL NAME: Valentine Federal #3 PTD: 4200'
 AREA: San Arroyo ELEVATIONS: 5681' GL, 5693' KB
 LOCATION: Section 35, T16S-R25E CONTRACTOR: Veco #3
 COUNTY: Grand County AFE NUMBER: 830417
 STATE: Utah LSE NUMBER: 94060
 FOOTAGE: 729' FSL & 1968' FWL TXO WI: 100%

GRYNBERG & ASSOCIATES
 1050 17th Street, Ste. 1950
 Denver, Colorado 80265
 Attn: Ginger Howell
 Ph: (303) ~~572-1455~~
 850-7490

11/04/82 MIRU. Should spud today.

11/05/82 709' (709'), TOO H to run csg. Mancos. Set 1 jt 13-3/8", 54.5# conductor pipe @ 16' KB. Spud 11" hole @ 11 AM 11/04/82. Drl to 709' w/ air. Prep to run csg. 1/4" @ 136', 3/4" @ 445', 1-1/2" @ 709'. DW: 3767. CW: 36,808. DD 1.

11/06/82 709' (0'), NU. Mancos. Run 16 jts 8-5/8", 24#, K-55, csg, shoe @ 676'. Float @ 635'. Cmt w/ 63 bbls gelled wtr, 10 BM flush, 10 bbl 3% KCL wtr, 200 sxs 50/50 poz w/ 2% CaCl2, 2% gel. 1/4#/sx celloflake, tailed w/ 100 sxs Cl 'G' w/ 2% CaCl2 & 1/4#/sx celloflake. PD @ 11:07 AM. BP to 700#. Float held. Caught returns 3/4 of way through job. Cmt to surf. WOC 8 hrs & NU. DW: 32,352. CW: 69,160. DD 2.

11/07/82 874' (165'), TIH w/ dyna-drill. Mancos. Fin NU. TIH w/ bit, dry hole & drill cmt & 165' new hole. TOO H. PU & TIH w/ dyna-drill.

MD	DEV	Course Direction	TVD	Vert Section	S	E
700'	1°	S30E	699	-5.50	10.6	6.1
725'	1-1/4°	S26E	724	-5.76	11.0	6.0
788'	1°	S22E	787	-6.21	12.0	7.0
849'	1-1/4°	S26E	848	-6.64	13.0	7.0

DW: 14,501. CW: 83,661. DD 3.

11/08/82 1155' (281'), drlg. Mancos. Air dust 200#. TIH w/ dyna-drill, drld 6 hrs w/ air mist. TOO H w/ motor, TIH w/ 7-7/8" bit, 7-7/8" IBS, monel collar, 13 6-1/4" DCs & DP. Had to ream last 100' to btm.

MD	DEV		TVD	Vert	S	E	W
882'	1/4°	S74W	881'	-6.3	13	7	
941'	2-1/4°	N40W	940'	-5.7	13	6	
973'	3-1/2°	N51W	972'	-4.6	12	4.8	
1004'	4-3/4°	N50W	1003'	-3.	10	3	
1035'	6°	N52W	1034.61'	- .79	8.47	.81	
1095'	7-1/4°	N67W	1094.21'	4.99	4.95		5.16
1156'	8-1/4°	N70W	1154.65'	12.48	1.94		12.81

DW: 11,801. CW: 95,402. DD 4.

11/09/82 2236' (1081'), drlg. Mancos. Dust 160#. BHA: Bit, IBS, monel collar, 13 6-1/4" DCs. Controlling angel and direction by varying weight & RPM.

MD	TVD	DEV	COURSE DIRECTION	HORIZONTAL CORD	
				N	W
1271'	1214.94'	9-1/4	N73W	1.00	21.62
1277'	1274.09'	10	N73W	3.93	31.32
1340'	1336.06'	10-3/4	N75W	7.06	42.12
1403'	1397.90'	11-1/4	N78W	9.87	53.81
1464'	1457.65'	12	N79W	12.43	65.86
1527'	1519.19'	12-3/4	N80W	14.78	79.14
1589'	1579.60'	13-1/4	N82W	16.96	92.92
1650'	1638.79'	14-3/4	N83W	18.89	107.55
1681'	1668.75'	15	N83W	19.86	115.45
1710'	1696.73'	15-1/2	N86W	20.59	123.04
1770'	1754.44'	16-1/4	N87W	21.59	139.43
1833'	1814.77'	17-1/4	N88W	22.38	157.57
1894'	1872.82'	18-1/2	N88W	23.03	176.39
1955'	1930.54'	19-1/4	N90W	23.37	196.03
2017'	1988.85'	20-1/2	S89W	23.19	217.11
2080'	2047.61'	21-3/4	S88W	22.60	239.81

TXO

WELL NAME: Valentine Federal #3 PTD: 4200'
 AREA: San Arroyo ELEVATIONS: 5681' GL, 5693' KB
 LOCATION: Section 35, T16S-R25E CONTRACTOR: Veco #3
 COUNTY: Grand County AFE NUMBER: 830417
 STATE: Utah LSE NUMBER: 94060
 FOOTAGE: 729' GSL & 1968' FWL TXO WI: 100%

11/09/82 cont.

<u>MD</u>	<u>TVD</u>	<u>DEV</u>	<u>COURSE</u> <u>DIRECTION</u>	<u>HORIZONTAL CORD</u>	
2142'	2104.94'	21-3/4	S87W	21.57	263.39
2205	2162.71'	24	S85W	19.82	288.45
2268'	2219.98'	25-1/4	S85W	17.33	314.61

DW: 9795. CW: 105,197. DD 5.

11/10/82 2884' (648'), TOO H to change BHA. Mancos. Dust 180#. Drld to 2481'. TOO H. Change BHA to as follows: bit, near-bit IBS, short DC (8'), near-bit IBS, monel collar, 3 pt reamer, DC, 3 pt reamer, 15 6-1/4" DC, jars, 3 DC. Drld to 2884'. Dropping angle too quickly. TOO H to change BHA to building assembly.

<u>MD</u>	<u>TVD</u>	<u>DEV</u>	<u>COURSE</u> <u>DIRECTION</u>	<u>HORIZONTAL CORD</u>	
				N	
2329'	2274.68'	26-1/4	S83W	19.09	345.23
2392'	2330.87'	27-1/2	S81W	15.12	373.44
2451'	2382.90'	28-3/4	S81W	10.77	400.91
2503'	2428.82'	28-1/4	S80W	7.13	424.16
2565'	2483.62'	27-1/2	S80W	2.10	452.71
2626'	2537.85'	27	S80W		.75 480.22
2688'	2593.34'	26	S80W		7.55 507.46
2751'	2650.26'	25	S79W		12.49 534.13
2813'	2706.50'	24-1/2	S80W		17.76 559.65

DW: 11,740. CW: 116,937. DD 6.

11/11/82 3595' (711'), drlg. Mancos. Dust 180#. Fin TOO H w/ packed assembly. TIH w/ bit, near-bit IBS, monel collar, 15 6-1/4" DCs, jars, 3 6-1/4" DCs. Controlling deviation & direction by varying weight & RPM.

<u>MD</u>	<u>TVD</u>	<u>DEV</u>	<u>COURSE</u> <u>DIRECTION</u>	<u>HORIZONTAL CORD</u>	
				S W	
2853'	2742.97'	24	S78W	20.35	575.78
2888'	2775.01'	23-1/2	S79W	23.16	589.59
2918'	2802.47'	24	S80W	25.36	601.47
2950'	2831.67'	24-1/4	S78W	27.86	614.31
3011'	2887.07'	25	S78W	33.17	639.29
3072'	2942.13'	26	S78W	38.63	664.98
3133'	2996.84'	26-1/2	S76W	44.70	691.27
3195'	3052.14'	27-1/4	S76W	51.48	718.46
3316'	3158.98'	28-3/4	S75W	65.70	773.46
3408'	3239.15'	30	S73W	78.14	816.85
3502'	3320.03'	31-1/4	S73W	92.14	862.62

DW: 10,240. CW: 127,177. DD 7.

11/12/82 3683' (88'), surveying for orientation. Mancos. Dust 180#. Fin TOO H w/ building assembly. PU Dyna-Drill & TIH. Got to btm & oriented motor. Began circ w/ air mist, press rose w/ no apparent motor action. Worked up & dn hole, still had 300-400# circ press. POOH 5 stnds & got full circ. Had no motor action. TOO H. Btm shaft on motor was loose. WO new Eastman motor for 2-1/2 hrs. New motor arrived on location @ 2:47 AM. PU new motor, tested to 300-400 RPM @ surf. Motor worked OK. TIH w/ new motor assembly to btm. Presently orienting motor on btm.

<u>MD</u>	<u>TVD</u>	<u>Dev</u>	<u>Course</u> <u>Direction</u>	<u>Vertical</u> <u>Section</u>	<u>CORD</u>	<u>S</u>	<u>W</u>
3595'	3398.93'	33	S71W	914.14		107.29	909.39
3653'	3447.16'	34	S70W	944.49		118.11	939.86

DW: 15,364. CW: 142,541. DD 8.

TXO

WELL NAME: Valentine Federal #3 PTD: 4200'
 AREA: San Arroyo ELEVATIONS: 5681' GL, 5693' KB
 LOCATION: Section 35, T16S-R25E CONTRACTOR: Veco #3
 COUNTY: Grand County AFE NUMBER: 830417
 STATE: Utah LSE NUMBER: 94060
 FOOTAGE: 729' FSL & 1968' FWL TXO WI: 100%

- 11/13/82 3720' (16'), trip for new dyna-drill. Mancos. Drld to 3704' w/ dyna-drill #3. Motor quit working. TOOH w/ dyna-drill #3, had failed rubbers. TIH w/ motor #4, drld to 3720' in 3-1/2 hrs, motor quit working. Presently tripping for new dyna-drill. DW: 11,911. CW: 154,452. DD 9.
- 11/14/82 3845' (125'), drlg. Mancos. Dust 200#. Fin TOOH. PU dyna-drill # 5, misting very well, drld 45' w/ motor #5, began having fill, couldn't get motor started again. TOOH. RIH w/ bldg assembly to pick inclination back up. BHA consists of the following: bit, near-bit IBS, monel collar, 2 DC, 3 pt reamer, 13 DC, jars 3 DC. Resume drlg. Controlling deviation & course direction by varying weight & RPM. DW: 20,403. CW: 174,855. DD 10.
- 11/15/82 4119' (274'), wash & ream to btm. Dakota. Mist 250#. Drld to 4119' w/ bldg assembly & dust. Controlling deviation & course direction by varying weight & RPM. Drill string torqued up, couldn't rotate, could only move up or dn 4'-5'. Had good circ. Began misting w/ 2% KCL, soap & polymer. String came free, blew hole for 3/4 hr. TOOH. LD 3 pt reamer & PU new ibt. TIH. DW: 14,117. CW: 188,972. DD 11.

MD	TVD	DEV	COURSE DIRECTION	VERTICAL SECTION	HORIZONTAL CORD	
					S	W
11/13-3690'	3477.97'	33 $\frac{3}{4}$	S72W	964.19	124.78	959.24
11/14-3721'	3504.33'	30 $\frac{3}{4}$	S75W	980.12	129.41	974.88
3754'	3533.12'	28 $\frac{3}{4}$	S78W	995.97	133.17	990.56
3785'	3560.39'	28 $\frac{3}{2}$	S78W	1010.52	136.23	1004.97
3816'	3587.63'	28 $\frac{3}{2}$	S78W	1025.13	139.31	1019.44
11/15-3847'	3614.81'	29	S78W	1039.86	142.41	1034.02
3874'	3638.37'	29 $\frac{1}{2}$	S78W	1052.89	145.15	1046.92
3904'	3664.42'	30	S79W	1067.61	148.12	1066.51
3935'	3691.80'	30 $\frac{1}{2}$	S78W	1083.06	151.23	1076.81
3965'	3716.95'	31 $\frac{1}{4}$	S78W	1098.27	154.43	1091.87
3996'	3743.45'	31 $\frac{1}{4}$	S78W	1114.15	157.77	1107.60
4027'	3769.77'	32 $\frac{1}{2}$	S77W	1130.30	161.31	1123.58
4058'	3795.77'	33 $\frac{1}{2}$	S78W	1146.95	164.96	1140.06
4082'	3815.75'	33-3/4	S78W	1160.08	167.72	1153.06

- 11/16/82 4190' (71'), drlg. Dakota. 8.7, 52, 8, 9.5. Fin washing & reaming to btm. Ran survey. PU kelly. Had plugged bit, TOOH. Unplugged bit. TIH, washed dn 20' of fill. Drld to 4176' w/ mist. Began experiencing hole problems & torquing. Mudded up hole. Resume drlg. Presently making 6-7 ft/hr.

MD	TVD	DEV	COURSE DIRECTION	VERTICAL SECTION	HORIZONTAL CORD	
					S	W
4141'	3862'	35 $^{\circ}$	S86.57W	1193.71	175.36	1185.24

DW: 11,310. CW: 200,232. DD 12.

- 11/17/82 4288' (98'), drlg. Dakota. 8.5, 43, 7.8, 8.5. Dakota Silt @ 4085', 1st Dakota @ 4205'. Drld to 4246'. Penetration rate was 2 ft/hr. TOOH. TIH w/ same bit & new BHA. BHA is as follows: bit, float sub, near-bit IBS, monel collar, 3 pt reamer, 1 6-1/4" DC, 3 pt reamer, 15 6-1/4" DCs, jars, 2 6-1/4" DC.

MD	TVD	DEV	COURSE DIRECTION	VERTICAL SECTION	HORIZONTAL	COORDINATES
					S	W
4204'	3914.19'	35-3/4 $^{\circ}$	S78W	1227.76	187.04	1241.18
4241'	3945.87'	36-1/4 $^{\circ}$	S78W	1251.13		

DW: 12,037. CW: 212,269. DD 13.

WELL NAME: Valentine Federal #3 PTD: 4200'
 AREA: San Arroyo ELEVATIONS: 5681' GL, 5693' KB
 LOCATION: Section 15, T16S-R25E CONTRACTOR: Veco #3
 COUNTY: Grand AFE NUMBER: 830417
 STATE: Utah LSE NUMBER: 94060
 FOOTAGE: 729' FSL & 1968' FWL TXO WI: 100%

11/18/82 4419' (131'), drlg. Morrison. 8.7, 43, 7.8, 9. Sample top: Dakota Silt @ 4085' MD, 1st Dakota @ 4210' MD, 3rd Dakota @ 4255' MD, Buckhorn @ 4310' MD, Morrison @ 4365' MD. DW: 8579. CW: 220,848. DD 14.

MD	TVD	DEV	COURSE	VERTICAL	HORIZONTAL	COORDINATES
			DIRECTION	SECTION	S	W
4308'	3999.64'	37°	S78W	1290.67	195.01	1281.35
3999.64'	4072.32'	37°	S78W	1344.76	206.40	1334.92

11/19/82 4450' (31'), short trip. Morrison. 8.7, 49, 7.4, 9.5. TD hole, circ & cond hole for 1/2 hr. Made 10 stnd short trip. No tight spots or fill. TOOH. RU & run logs. Had 12' of fill on logs. WOO for 1 hr. TIH w/ bit to cond hole for csg. TIH to btm, circ & clean out fill. Presently making 10 stnd short trip. DW: 34,825. CW: 255,673. DD 15.

MD	TVD	DEV	COURSE	VERTICAL	HORIZONTAL	COORDINATES
			DIRECTION	SECTION	S	W
4450'	4113.05	37°	S77W	1375.03	213.04	1364.89

11/20/82 4450' (0'), MORT. RR @ midnight on 11/19/82. Morrison. 8.7, 49, 7.4, 9.5. Fin short, no tight spots or fill. TOOH to run csg. RU & ran 109 jts 4-1/2" 10.5#, K-55, ST&C set @ 4448'. FC @ 4407'. Washed dn 12' of fill to btm. Centralized the first 15 jts off btm. Circ w/ mud for 20 min, pumped 20 BM flush, 10 BW spacer, cmtd w/ 250 sxs Cl "G" w/ 5% KCL, 2% gel, 1#/sx gilsonite. Dspl w/ 3% KCL wtr. PD @ 7:10 PM 11/19/82. BP to 800#. Had full returns throughout job. Float held. Drop from report until completion begins. DW: 50,614. CW: 306,287. DD 16.

12/08/82 4400' PBTB, roads very muddy. Bladed location. MIRUCU. ND wellhead. NU BOP. TIH w/ 3-7/8" bit, csg scraper, & TIH w/ 2-3/8", 4.7#, J-55, EUE tbg to 4400' KB. POOH & LD 10 jts tbg. Swabbed FL dn to 3500'. TOOH w/ tbg & tools. RU GO, ran GR-CCL correlatin log. SDFN. Prep to perf this AM. DW: 32,200. CW: 338,487.

12/09/82 4400' PBTB, RU GO. RU lubricator. Perf as follows: 4162', 65', & 67', 4215', 17', 19', 21', 23', 27', 29', 31', 34', & 37', and 4294', 96', & 98'. Total of 17 0.38" holes. RD GO & lubricator. TIH w/ notched collar, SSN & 133 jts 2-3/8", 4.7#, J-55, EUE tbg. Landed tbg @ 4120'. Installed blast jt @ surf. ND BOP & NU wellhead. TIH w/ swab. Tag FL @ 3500', made 12 swab runs from SSN. Last 4 runs were dry, no gas to surf. Well appears to be dry. RR @ 4 PM. RD. LOTPON. No csg press. No blow on tbg. Prep to acidize this AM. DW: 7040. CW: 345,527.

12/10/82 4400' PBTB, well dead. RU Dowell. Performed acid job: loaded hole w/ 2% KCL, pumped 25,000 scf N₂ pad dn tbg. Dspl tbg volume less 2 bbls & shut in annulus. Finished pad. Pumped 500 gal 7.5% MSR-100 acid w/ additives w/ 750 scf/bbl N₂. Tailed w/ 1500 gal acid w/ 30 ball sealers. Spaced evenly throughout. Dspl acid to top perfs w/ nitroified KCL wtr. Good fm break on pad. Fair ball action. No ball off. MTP 3300#, ATP 3000#, MR 6 BPM. ISDP 2400#, 5 min 2000#, 10 min 1500#, 15 min 1150#. Surged balls off & performed N₂ blow around. LOTPON on 24/64" ch w/ light mist, 6' flare, gas rate TSTM. Csg 200# & rising. SDFN. DW: 9880. CW: 355,407.

12/11/82 4400' PBTB, well flowing to pit on 3/8" ch. Flowing dry gas, appeared to stabiize @ 54# FTP on 3/8" ch, FARO 202 MCFD. LOTPON on 3/4" ch. DW: 350. CW: 355,757.

12/12/82 4400' PBTB, well flowing to pit on 3/4" ch to clean up. Will get gauge on gas rate this AM. DW: 0. CW: 355,757.

WELL NAME: Valentine Federal #3
AREA: San Arroyo
LOCATION: Section 15, T16S-R25E
COUNTY: Grand
STATE: Utah
FOOTAGE: 729' FSL & 1968' FWL

PTD: 4200'
ELEVATIONS: 5681' GL, 5693' KB
CONTRACTOR: Veco #3
AFE NUMBER: 830417
LSE NUMBER: 94060
TXO WI: 100%

12/13/82 4400' PBD, well flowing to pit on 3/4" ch. TP 0#, CP 0#. 10' flare.
Est 1 gal wtr/hr. Appears to be fm wtr. SI well @ 3 PM 12/12/82. ✓
✓ Drop from report pending frac evaluation. DW: 350. CW: 356,107.

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0800 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LOC	RUN	DAY	MO/YR	STARTING TIME
92290018	VALENTINE FEDERAL #3 14S. 25E. 35	06	12	7	11/85	1000
92122018	ARCO FEDERAL D #1 14S. 25E. 34	06	12	5	12/85	0900
92129012	VALENTINE FEDERAL #2 14S. 25E. 34	06	12	5	12/85	0800
92238016	HANCOCK FEDERAL #1X 17S. 25E. 5	06	12	12	12/85	1300
92248011	HANCOCK FEDERAL #2 17S. 25E. 2	06	12	12	12/85	1100
92297012	NICOR FEDERAL #2 14S. 25E. 28	06	12	12	12/85	1000
92299015	GRYNBERG FEDERAL #1 14S. 25E. 28	06	12	12	12/85	0900
92322017	LAUCK FEDERAL #2 14S. 25E. 29	06	12	10	12/85	0900



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• TXO PRODUCTION CORP.
P. O. BOX 2690
CODY WY 82414
ATTN: R. P. MEABON

Utah Account No. N1580
Report Period (Month/Year) 12 / 90
Amended Report

Well Name	Producing Zone	Days Oper	Production Volume
API Number Entity Location			Oil (BBL) Gas (MSCF) Water (BBL)
MOXA FEDERAL A-1 U-24638 4301930792 06730 16S 26E 4	DKTA ✓		
NICOR FED #2 U-13653 4301931020 06731 16S 25E 28	DK-BK ✓		
CREDO FEDERAL 1 U-24638 4301930797 06740 16S 26E 5	BUKHN ✓		
CREDO FEDERAL A-1 U-24638 4301930798 06745 16S 26E 5	DKTA ✓		
HANCOCK FEDERAL 2 U-38720 4301930833 06750 17S 25E 5	DKTA ✓		
BENNION FED. 1 U-24632 4301930893 06760 16S 25E 30	DK-MR ✓		
30 FEDERAL H-1 U-0126528 4301931002 06765 16S 25E 12	MRSN ✓		
VALENTINE FEDERAL 3 U-38276 4301931009 06770 16S 25E 35	DKTA ✓		
WALL FEDERAL #1 U-24632 4301930838 06771 16S 25E 30	DK-BK ✓		
OIL SPRINGS UNIT 5 U-08424A 4304715930 06775 12S 24E 5	WSTC ✓		Need successors to unit oper. (TXO to marathon)
OIL SPRINGS UNIT #10 U-08424A 4304731656 06776 12S 24E 5	WSTC ✓		
GRYNBERG FEDERAL #1 U-13653 4301930657 06781 16S 25E 28	DKTA ✓		
BMG FEDERAL #1 U-05015 4301931017 06791 16S 26E 8	BUKHN ✓		
TOTAL			

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____

Rocky Mountain Region
Production United States
RECEIVED
JAN 24 1991



P.O. Box 2690
Cody, Wyoming 82414
Telephone 307/587-4961
DIVISION OF
OIL, GAS & MINING
DRN
-a R Furth

January 22, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

UTAH DIVISION OF OIL, GAS & MINING
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203
Attention: State Director

Re: The Merger of TXO Production Corp. into
Marathon Oil Company

Gentlemen:

As Marathon Oil Company advised in its October 8, 1990 letter, TXO Production Corp., a Delaware corporation ("TXO") was being merged into Marathon Oil Company, an Ohio corporation ("Marathon"), on or before January 1, 1991. As stated in the October letter, before this merger, both TXO and Marathon were subsidiaries of USX Corporation.

Effective January 1, 1991, TXO was merged into Marathon, with Marathon becoming the surviving corporation, as evidenced by the enclosed Certificate of Merger signed by the Secretary of State for the State of Ohio. Due to this statutory merger, by operation of law, Marathon, as the surviving entity, has succeeded to all of the assets, property, rights, privileges, power and authority, and has assumed all obligations and liabilities of TXO which existed on the date of the merger.

Marathon requests that your records and filings be changed to reflect this merger, including making any appropriate change in your operator or ownership records. For the purposes of any change, mailing or notification, please substitute the following address and phone number for TXO:

Marathon Oil Company
Attention: Mr. R. P. Meabon
1501 Stampede Avenue
P. O. Box 2690
Cody, WY 82414
(307) 587-4961

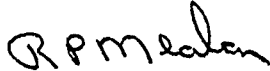
Utah Division of Oil, Gas & Mining
January 22, 1991
Page 2

Any bond in the name of TXO should be cancelled and all wells and properties shown on the attached Exhibit "A" should be placed on Marathon's statewide bond for the state of Utah.

Marathon respectfully requests that you acknowledge your receipt of this letter by signing the enclosed duplicate original of this letter in the space provided below, and returning it to me in the self-addressed, stamped envelope provided. Also, please provide Marathon with confirmation of the bond cancellations in accordance with the substitution requested above.

Marathon appreciates your patience and cooperation in this matter, and if Marathon can be of any further assistance, please feel free to contact this office.

Sincerely,



R. P. Meabon
Regulatory Coordinator
Rocky Mountain Region
Extension 3003

RPM:mh

Attachments

RECEIVED AND ACCEPTED THIS _____ DAY OF _____,
1991, BY:

[Governmental Agency or Department]

By _____
Name _____
Its _____
Title _____

UNITED STATES OF AMERICA,
STATE OF OHIO,
OFFICE OF THE SECRETARY OF STATE.

I, Sherrod Brown

do hereby certify that I am the duly elected, qualified and present acting Secretary of State for the State of Ohio, and as such have custody of the records of Ohio and Foreign corporations; that said records show an AGREEMENT OF MERGER of MARATHON PETROLEUM COMPANY, an Ohio corporation, Charter No. 7265, having its principal location in Findlay, County of Hancock, and incorporated on August 1, 1887, and TXO PRODUCTION CORP., a Delaware corporation, having qualified to do business within the State of Ohio on November 2, 1983, under License No. 623328, into MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, the survivor of said Merger, filed in this office on December 24, 1990, recorded in the Records of Incorporation. Said surviving corporation, MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, having its principal location in Findlay, County of Hancock, was incorporated on November 18, 1981 and is currently in GOOD STANDING upon the records of this office.

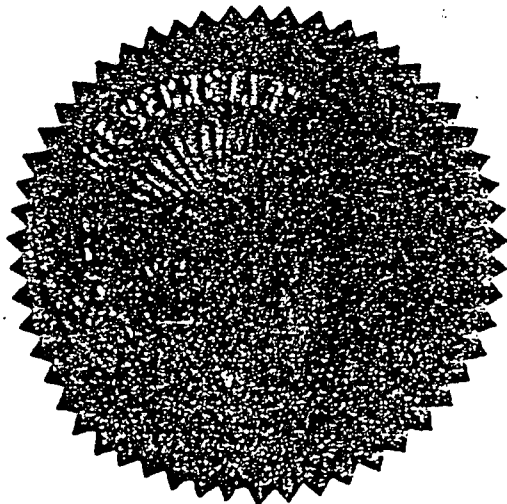
WITNESS my hand and official seal at

Columbus, Ohio, this

28th day of December, A.D. 19 90



Sherrod Brown
Secretary of State



DOGm - FYI - From Connie Larson - TAX Commission

Tax Compliance Division



Findlay, Ohio 45840
Telephone 419/422-2121

January 23, 1991

N1580

TO WHOM IT MAY CONCERN:

Effective immediately after the close of business on December 31, 1990, TXO Production Corporation, taxpayer I.D. 75-1710388, a Delaware Corporation, was merged into Marathon Oil Company, taxpayer I.D. 25-1410539.

Following the merger, all business activity previously conducted by TXO Production Corporation will be conducted by and under the name of Marathon Oil Company.

Marathon Oil Company
Tax Organization

GRL:pah
GRL100T

REC'D USIC PA
FEB 14 1991

Send a copy to DOGM 2-21-91

Copy sent to Master
File Mail

Routing:	
1- LCR	<input checked="" type="checkbox"/>
2- DTS	<input checked="" type="checkbox"/>
3- VLC	<input checked="" type="checkbox"/>
4- RJF	<input checked="" type="checkbox"/>
5- RWM	<input checked="" type="checkbox"/>
6- LQR	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-91)

TO (new operator) <u>MARATHON OIL COMPANY</u>	FROM (former operator) <u>TXO PRODUCTION CORP.</u>
(address) <u>P. O. BOX 2690</u>	(address) <u>P. O. BOX 2690</u>
<u>CODY, WY 82414</u>	<u>CODY, WY 82414</u>
phone <u>(307) 587-4961</u>	phone <u>(307) 587-4961</u>
account no. <u>N 3490</u>	account no. <u>N1580</u>

Well(s) (attach additional page if needed): *****MERGER*****

Name: <u>**SEE ATTACHED**</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(see documentation)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec. 1-24-91)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- See # 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-26-91)*
- See 6. Cardex file has been updated for each well listed above.
- See 7. Well file labels have been updated for each well listed above.
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *(Federal & State wells only)*
- 2. A copy of this form has been placed in the new and former operators' bond files. *(upon completion of routing)*
- 3. The former operator has requested a release of liability from their bond (yes/no) yes. Today's date February 27, 1991. If yes, division response was made by letter dated March 1, 1991.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases. *Sent 3-5-91*

MICROFILMING

1. All attachments to this form have been microfilmed. Date: March 11 1991.

INDEXING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

910204 Bbm/maab ~~No doc. as of yet.~~ (In the process of changing) will call when approved.
 Bbm/S.Y. Book Cliffs Unit, Oil Springs Unit, Marble Mansion Unit (Not approved as of yet)

910204 St. Lands - No documentation as of yet. (Copy hand delivered 2-8-91) fee

910222 Bbm/S.Y. - Approved 2-20-91 - OK for D&Gm to recognize eff. date 1-1-91. (T. Thompson)

910226 St. Lands - Needs additional info. "will take 2-3 weeks". (Proceed with change per DTS)

Valentine #1 & #3
T16S, R25E, Sec 35
#3 directionally drilled to east

#1 43019 30639 PGW

#3 43019 31009 PGW



LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

February 22, 1993

State of Utah
Dept. of Natural Resources
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

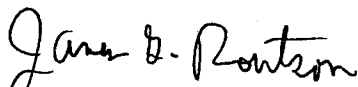
Re: Change of Operator
Sundry Notices
Grand and Uintah Counties, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for 53 wells located on Federal lands in Utah for which Lone Mountain Production Company is assuming operations effective February 22, 1993. Two separate lists of the wells and lease numbers, by sorted by BLM district, are attached. The wells were all previously operated by Marathon Oil Company. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company


James G. Routson
President

Enclosures

xc: Joe Dyk
Marathon

RECEIVED

FEB 25 1993

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

FEB 25 1993

DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.
U-38276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
CR-41

8. Well Name and No.
Valentine Fed. No. 3

9. API Well No.
43-019-31009

10. Field and Pool, or Exploratory Area
San Arroyo

11. County or Parish, State
Grand County, Utah

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Lone Mountain Production Company

3. Address and Telephone No.
P.O. Box 3394, Billings, MT 59103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
729' FSL, 1968' FWL, Sec. 35-T16S-R25E
(SE $\frac{1}{4}$ SW $\frac{1}{4}$)

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Lone Mountain Production Company has assumed operations of the above referenced well effective February 22, 1993. The former operator was Marathon Oil Company.

Bond Coverage is provided by Lone Mountain's Statewide Oil & Gas BLM Bond No. UT0719.

Field Operations will be handled by our Grand Junction office.

14. I hereby certify that the foregoing is true and correct

Signed James S. Rantam Title Petroleum Engineer Date Feb. 22, 1993

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

FEB 25 1993

UTAH FEDERAL WELLS

VERNAL BLM DISTRICT

DIVISION OF
OIL GAS & MINING

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Shuffleboard Fed. No. 1	U-31255	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-T6S-R21E
Stirrup Fed. No. 28-1	U-34711	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T6S-R21E
Stirrup Fed. No. 29-2	U-46699	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Stirrup Fed. No. 29-3	U-46699	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Football Fed. No. 29-4	U-46699	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T6S-R21E
Croquet Fed. No. 1	U-53862	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 2	U-53862	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 3	U-53862	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T6S-R21E
Bridle Fed. No. 1	U-47866	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 2	U-47866	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 3	U-47866	SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 4	U-47866	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-T6S-R22E
Cracker Fed. No. 1	U-54197	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 2	U-54197	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 3	U-54193	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T11S-R23E
Cracker Fed. No. 4	U-54196	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-T11S-R23E
Marble Mansion Unit #1	U-54201	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-T11S-R23E
Wells Fed. A No. 1	U-54198	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-T11S-R23E
Oil Springs Unit #5	U-08424-A	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T12S-R24E
Oil Springs Unit #7	U-08424-A	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-T12S-R24E
Oil Springs Unit #10	U-08424-A	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-T12S-R24E

UTAH FEDERAL WELLS

MOAB BLM DISTRICT

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Bookcliffs Unit No. 1	U-036905	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-T18S-R22E
Bookcliffs Unit No. 3	U-036905	Sw $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-T18S-R22E
Hancock Fed. No. 2	U-38720	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T17S-R25E
Hougen Fed. No. A-1	U-42480	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-T17S-R24E
TXO-POGO-USA No. 15-9	U-49535	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-T17S-R24E
Callister Fed. No. 1	U-38363	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-T16S-R24E
Ptasynski Fed. No. 1	U-24603-A	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-T17S-R23E
Arco Fed. B No. 1	U-9831	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-T16S-R25E
Arco Fed. C No. 1	U-06188-B	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T16S-R25E
Arco Fed. D No. 1	U-29645	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T16S-R25E
Arco Fed. H No. 1	U-0126528	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-T16S-R25E
Grynberg Fed. No. 1	U-13653	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T16S-R25E
Lauck Fed. A No. 1	U-34033	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T16S-R25E
Lauck Fed. No. 2	U-34033	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T16S-R25E
Nicor Fed. No. 1	U-31807	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-T16S-R25E
Nicor Fed. No. 2	U-13653	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. ²⁸ 33 -T16S-R25E
Valentine Fed. No. 1	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Valentine Fed. No. 2	U-38276	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T16S-R25E
Valentine Fed. No. 3	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Wall Fed. No. 1	U-24632	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-T16S-R25E
Bennion Fed. No. 1	U-24632	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-T16S-R25E
Harvey Fed. No. 1-X	U-10427	Sw $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R25E

UTAH FEDERAL WELLSMOAB BLM DISTRICT

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
BMG Fed. No. 1	U-05015	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 2	U-05015	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 3	U-05015-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 4	U-05015-A	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-T16S-R26E
BMG Fed. No. 5	U-05015-A	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 7	U-05015-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17-T16S-R26E
Credo Fed. No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R26E
Credo Fed. A No. 1	U-24638	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-T16S-R26E
Moxa Fed. No. 1	U-24638	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-T16S-R26E
Moxa Fed. A No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-T16S-R26E

UTAH STATE WELLS

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Texas Pacific No. 1	ML-4468-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Texas Pacific No. 2	ML-4468-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Little Berry No. 1	ML-21061	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T16S-R23E Grand County
Evacuation Creek No. 1	ML-39868	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36.T11S-R25E Uintah County
Evacuation Creek A No. 1	ML-28043	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Evacuation Creek 23-2-1	ML-28043	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Stirrup No. 32-1	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32.T6S-R21E Uintah County
Stirrup No. 32-2	ML-22036	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32.T6S-R21E Uintah County
Stirrup No. 32-4	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32.T6S-R21E Uintah County

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p>SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)</p>		5. LEASE DESIGNATION & SERIAL NO. See Below
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Marathon Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 2690, Cody, Wyoming 82414		8. FARM OR LEASE NAME See Below
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone See Below		9. WELL NO. See Below
14. API NO. See Below		10. FIELD AND POOL, OR WILDCAT See Below
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Below
		12. COUNTY Grand and Uintah
		13. STATE Utah

RECEIVED

FEB 25 1993

DIVISION OF
OIL GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) _____		DATE OF COMPLETION _____	

APPROX. DATE WORK WILL START _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

On 2/22/93 with an effective date of October 1, 1992, Marathon Oil Company sold all of its rights, title and interests shown on Exhibit 'A' and 'B' to:

Lone Mountain Production Company
P.O. Box 3394, 408 Production Building
Billings, Montana 59103-3394

By copy of this sundry notice to Lone Mountain Production Company, Marathon is advising that Lone Mountain Production Company is responsible for operating these leases and wells within the federal and state rules and regulations.

Utah O&G--cc: WRF,RDS,CLB,RPM,KJI,TITLE AND CONTR(HOU),ACCTG.,CFR,LONE MTN. PROD.

18. I hereby certify that the foregoing is true and correct

SIGNED R.P. Meabon TITLE Regulatory Coordinator DATE 2/23/93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

List of Properties sold by Marathon Oil Company to Lone Mountain Production Company, P.O. Box 3394, 408 Petroleum Building, Billings, Montana 59103-3394

WELL	LOCATION	LEASE	API #
North Horse Point Field			
Little Berry State #1	SW/4 SW/4, Sec. 2-16S-23E	ML-21061	043-019-31075
BAR X West Field			
Hancock Federal #2	NW/4 SW/4, Sec. 5-17S-25E	U-38720	043-019-30833
Bryson Canyon Field			
Hougen Federal A#1- St #1	SW/4 SW/4 Sec. 14-17S-24E	U-42480	043-019-30799
TXO Pogo USA #19-9	NE/4 SE/4, Sec. 15-17S-24E	U-49535	043-019-30779
East Canyon Field			
Callister Federal #1	NW/4 SE/4 Sec. 24-16S-24E	U-38363	043-019-30857
Ptasynski Federal #1	NE/4 NW/4 Sec. 15-17S-23E	U-24603-A	043-019-30780
Horseshoe Bend Field			
Bridle Federal #1	SW/4 SW/4 Sec. 34-6S-22E	U-47866	043-047-31533
Bridle Federal #2	NE/4 SE/4 Sec. 34-6S-22E	U-47866	043-047-31655
Bridle Federal #3	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31678
Bridle Federal #4	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31866
Croquet Federal #1	SE/4 NE/4 Sec. 35-6S-21E	U-53862	043-047-31440
Croquet Federal #2	NE/4 SE/4 Sec. 35-6S-21E	U-53862	043-047-31672
Croquet Federal #3	NE/4 NW/4 Sec. 35-6S-21E	U-53862	043-047-31867
Football Fed #29-4	SE/4 SW/4 Sec. 29-6S-21E	U-46699	043-047-31883
Shuffleboard Fed #1	NE/4 NE/4 Sec. 27-6S-21E	U-31255	043-047-31668
Stirrup Fed. #28-1	NW/4 SW/4 Sec. 28-6S-21E	U-34711	043-047-31571
Stirrup Fed. #29-2	NW/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31508
Stirrup Fed. #29-3	SE/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31634
Stirrup State #32-1	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31557
Stirrup State #32-2	SE/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31626
Stirrup State #32-4	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31648
Rockhouse Field			
Cracker Fed. #1	SE/4 NE/4 Sec. 8-11S-23E	U-54197	043-047-31532
Cracker Fed. #2	SE/4 SE/4 Sec. 8-11S-23E	U-54197	043-047-31690
Cracker Fed. #3	SW/4 SE/4 Sec. 5-11S-23E	U-54193	043-047-31689
Cracker Fed. #4	SE/4 NE/4 Sec. 7-11S-23E	U-54196	043-047-31748
Marble Mansion #1	SE/4 SE/4 Sec. 18-11S-23E	U-54201	043-047-31865
Wells Fed. A #1	SW/4 SE/4 Sec. 12-11S-23E	U-54198	043-047-31603

San Arroyo Field

Arco Fed. B #1	SE/4 SE/4 Sec. 6-16S-25E	U-9831	043-019-30552
Arco Fed. C #1	NW/4 NW/4 Sec. 35-16S-25E	U-06188-B	043-019-30572
Arco Fed. D #1	NE/4 SE/4 Sec. 34-16S-25E	U-29645	043-019-30578
Arco Fed. H #1	NW/4 SW/4 Sec. 12-16S-25E	U-0126528	043-019-31002
Bennion Fed. #1	NE/4 NW/4 Sec. 30-16S-25E	U-24632	043-019-30893
BMG Fed. #1	NE/4 NW/4 Sec. 8-16S-26E	U-05015	043-019-31017
BMG Fed. #2	SW/4 SW/4 Sec. 8-16S-26E	U-05015	043-019-31108
BMG Fed. #3	SW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31114
BMG Fed. #4	NW/4 NW/4 Sec. 17-16S-26E	U-05015-A	043-019-31130
BMG Fed. #5	NW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31131
BMG Fed. #7	NW/4 SE/4 Sec. 17-16S-26E	U-05015-A	043-019-31183
Bookcliffs #1	SE/4 SE/4 Sec. 32-18S-22E	U-036905	043-019-15410
Bookcliffs #3	SW/4 NE/4 Sec. 33-18S-22E	U-036905	043-019-15411
Credo Fed. #1	NE/4 SE/4 Sec. 5-16S-26E	U-24638	043-019-30797
Credo Fed. A #1	SE/4 NW/4 Sec. 5-16S-26E	U-24638	043-019-30798
Grynberg Fed. #1	NE/4 SW/4 Sec. 28-16S-25E	U-13653	043-019-30657
Harvey Fed. #1-X	SW/4 SE/4 Sec. 5-16S-25E	U-10427	043-019-30574
Lauck Fed. A #1	SE/4 SE/4 Sec. 29-16S-25E	U-34033	043-019-30990
Lauck Fed. #2	NW/4 SW/4 Sec. 29-16S-25E	U-34033	043-019-31109
Moxa Fed. #1	SW/4 SW/4 Sec. 9-16S-26E	U-24638	043-019-30698
Moxa Fed. A #1	NE/4 SE/4 Sec. 4-16S-26E	U-24638	043-019-30792
Nicor Fed. #1	NW/4 NE/4 Sec. 28-16S-25E	U-31807	043-019-30656
Nicor Fed. #2	NW/4 NE/4 Sec. 33-16S-25E	U-13653	043-019-31020
Texas Pac St #1	NW/4 SE/4 Sec. 36-16S-25E	ML-4468-A	043-019-30634
Texas Pac St #2	SW/4 SW/4 Sec. 36-16S-25E	ML-4468-A	043-019-30670
Valentine Fed. #1	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-30639
Valentine Fed. #2	SE/4 NW/4 Sec. 34-16S-25E	U-38276	043-019-30640
Valentine Fed. #3	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-31009
Wall Fed. #1	NE/4 SW/4 Sec. 30-16S-25E	U-24632	043-019-30838

Oil Springs Field

Oil Springs #5	NE/4 SW/4 Sec. 5-12S-24E	U-08424-A	043-047-15930
Oil Springs #7	SE/4 SW/4 Sec. 4-12S-24E	U-08424-A	043-047-31248
Oil Springs #10	NE/4 NE/4 Sec. 5-12S-24E	U-08424-A	043-047-31656

Evacuation Creek Field

Evacuation Creek State A #1	NE/4 NE/4 Sec. 2-12S-25E	ML-28043	043-047-31674
Evacuation Cr.#23-2-1	NE/4 SW/4 Sec. 2-12S-25E	ML-28043	043-047-15675
Evacuation Creek State #1	SE/4 SW/4 Sec. 36-11S-25E	ML-39868	043-047-31307

Routing:

1-LEC	7-LEC
2-DPTS	
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 2-22-93)

TO (new operator)	<u>LONE MTN PRODUCTION CO</u>	FROM (former operator)	<u>MARATHON OIL COMPANY</u>
(address)	<u>P. O. BOX 3394</u>	(address)	<u>P. O. BOX 2690</u>
	<u>BILLINGS, MT 59103-3394</u>		<u>CODY, WY 82414</u>
	<u>phone (406) 245-5077</u>		<u>phone (307) 587-4961</u>
	<u>account no. N 7210</u>		<u>account no. N 3490</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-25-93)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 2-25-93)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-30-93)*
- See 6. Cardex file has been updated for each well listed above. *(3-30-93)*
- See 7. Well file labels have been updated for each well listed above. *(3-30-93)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-30-93)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 3/31/93 1993. If yes, division response was made by letter dated 3/31/93 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 3/31/93 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: _____ 19____.

FILED

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

930316 Bfm/maab Approved some of the wells on 3-10-93 eff. 2-23-93. (see other change)

930323 Bfm/Vernal Approved some of the wells on 3-11-93 eff. 10-1-92. The remaining wells are unitized or under a C.A. (will be handled on separate change).

930330 Bfm/S.Y. Approved C.A. changes eff. 3-26-93.

Unit operator changes approved 3-25-93. (Book hills, Marble Mansion, Oil Springs)

Bureau of Land Management
Branch of Fluid Minerals
P.O. Box 45155
Salt Lake City, Utah 84145-0155

March 26, 1993

Lone Mountain Production Company
P.O. Box 3394
Billings, Montana 59103-3394

Re: Successor of Operator
Communitization Agreement (CA)
CR-41
Grand County, Utah

Gentlemen:

We received an indenture dated February 22, 1993, whereby Marathon Oil Company resigned as Operator and Lone Mountain Production Company was designated as Operator for CA CR-41, Grand County, Utah.

This instrument is hereby accepted effective as of March 26, 1993. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under CA CR-41.

Your statewide (Utah) oil and gas bond No. 0719 will be used to cover CA operations.

Please advise all interested parties of the change in operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

(Orig. Sgd.) R. A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
Division Oil, Gas, & Mining
File - CR-41 (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:09-30-92

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM CR41									
CR41	430193063900S1	1	SESW	35	16S	25E	PGW	UTU38276	MARATHON OIL COMPANY
CR41	430193109900S1	3	SESW	35	16S	25E	PGW	UTU38276	MARATHON OIL COMPANY

Marathon Oil Company
Change of Operator

CONDITIONS OF APPROVAL

We have reviewed your proposal for technical adequacy and concur with the request providing the following stipulations are included as a part of the approval.

1. This change of operator approval is for the following wells only:

<u>WELL NAME & NUMBER</u>	<u>LEASE NUMBER</u>
Stirrup Fed. 28-1	U - 34711
Stirrup Fed. 29-2	U - 46699
Stirrup Fed. 29-3	U - 46699
Stirrup Fed. 29-4	U - 46699
Croquet Fed. 1	U - 53862
Croquet Fed. 3	U - 53862
Bridle Fed. 1	U - 47866
Bridle Fed. 2	U - 47866
Bridle Fed. 3	U - 47866
Bridle Fed. 4	U - 47866
Cracker Fed. 1	U - 54197
Cracker Fed. 2	U - 54197
Cracker Fed. 3	U - 54193
Cracker Fed. 4	U - 54196
Wells Fed. 1	U - 54198

2. The other wells as listed in the attachment to this sundry notice are denied. The reason for denial is because the wells are either in a Communitization Agreement (C.A.) or a Federal Unit or they are located outside of the Vernal District. Changes of operator for wells that are C.A.s or Federal Units needed to be filed with our BLM State Office in Salt Lake City, Utah. The changes for the other wells will need to be filed in the appropriate District or Resource Area Office.

RECEIVED

MAR 22 1993

DIVISION OF
OIL GAS & MINING

Division of Oil, Gas and Mining
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 8/1/2019

FORMER OPERATOR:	NEW OPERATOR:
Lone Mountain Production Company	ARB Energy Utah, LLC
Groups: Bar X-Unit	

WELL INFORMATION:

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See attached list									

OPERATOR CHANGES DOCUMENTATION:

- Sundry or legal documentation was received from the **FORMER** operator on: 9/26/2019
- Sundry or legal documentation was received from the **NEW** operator on: 9/26/2019
- New operator Division of Corporations Business Number: 11427363-0161

REVIEW:

- Receipt of Acceptance of Drilling Procedures for APD on: NA
- Reports current for Production/Disposition & Sundries: 10/2/2019
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/17/2019
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne NA
- Surface Facility(s) included in operator change:
- BMG 2-2-Compressor Station
 - Credo-Compressor Station
 - East Grand Valley-Compressor Station
 - San Arroyo Canyon-Compressor Station
 - Texas Pacific No 1-Compressor Station
 - Valentine 1& 3-Compressor Station

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s): LICX1175451

DATA ENTRY:

Well(s) update in the RBDMS on: 10/24/2019

Group(s) update in RDBMS on: 10/24/2019

Surface Facilities update in RBDMS on: 10/24/2019

Entities Updated in RBDMS on: 10/24/2019

COMMENTS: Bond will be accepted at \$120,000.00, but the Division will continue to review the wells and require additional bonding at a later date.

From: Lone Mountain Production Company

To: ARB Energy Utah, LLC

Effective 8/1/2019

Well Name	API	Town	Twp Dir	Range	Rng Dir	Sec	Entity Number	Well Type	Well Status	Surface Owner	Lease Type
Bar X 3	4301915022	17.000000	S	25.000000	E	12	455	Gas Well	Producing	Federal	Federal
Bar X Unit 5	4301915024	17.000000	S	26.000000	E	17	8187	Gas Well	Producing	Federal	Federal
Bar X 6	4301915025	17.000000	S	25.000000	E	11	455	Gas Well	Producing	Federal	Federal
Crittenden 1	4301915027	17.000000	S	25.000000	E	12	455	Gas Well	Producing	Federal	Federal
Westbit 2	4301915048	16.000000	S	25.000000	E	9	5220	Gas Well	Producing	Federal	Federal
East Canyon Unit 33-18	4301916203	16.000000	S	25.000000	E	18	9515	Gas Well	Producing	Federal	Federal
Federal 33-13	4301930416	16.000000	S	26.000000	E	33	6615	Gas Well	Producing	Federal	Federal
State 16-4	4301930433	16.000000	S	26.000000	E	16	6620	Gas Well	Producing	State	State
State 32-1	4301930451	16.000000	S	26.000000	E	32	6625	Gas Well	Producing	Private	State
Federal 6-14	4301930462	17.000000	S	25.000000	E	6	6525	Gas Well	Producing	Federal	Federal
Federal 17-9	4301930472	16.000000	S	25.000000	E	17	6635	Gas Well	Producing	Federal	Federal
Bar X 8	4301930494	17.000000	S	25.000000	E	11	455	Gas Well	Producing	Federal	Federal
Hogle USA 14-4	4301930507	17.000000	S	24.000000	E	14	6535	Gas Well	Producing	Federal	Federal
Federal 6-7	4301930516	17.000000	S	25.000000	E	6	6540	Gas Well	Producing	Federal	Federal
Federal 7-4	4301930517	17.000000	S	25.000000	E	7	6650	Gas Well	Producing	Federal	Federal
Arco Federal B-1	4301930552	16.000000	S	25.000000	E	6	6675	Gas Well	Producing	Federal	Federal
State 2-14	4301930571	17.000000	S	24.000000	E	2	6560	Gas Well	Producing	State	State
Bar X Unit 13	4301930598	17.000000	S	26.000000	E	7	455	Gas Well	Producing	Federal	Federal
Texas Pacific St 1	4301930634	16.000000	S	25.000000	E	36	6695	Gas Well	Producing	Private	State
Valentine Fed 1	4301930639	16.000000	S	25.000000	E	35	6700	Gas Well	Producing	Federal	Federal
Valentine Federal 2	4301930640	16.000000	S	25.000000	E	34	6705	Gas Well	Producing	Federal	Federal
Grynberg Federal 1	4301930657	16.000000	S	25.000000	E	28	6781	Gas Well	Producing	Federal	Federal
Texas Pacific St 2	4301930670	16.000000	S	25.000000	E	36	6710	Gas Well	Producing	Private	State
Moxa Federal 1	4301930698	16.000000	S	26.000000	E	9	6715	Gas Well	Producing	Federal	Federal
Edwards USA 12-2	4301930702	17.000000	S	24.000000	E	12	6585	Gas Well	Producing	Federal	Federal
USA 12-9	4301930748	17.000000	S	24.000000	E	12	6605	Gas Well	Producing	Federal	Federal
Utah State 1	4301930758	16.000000	S	25.000000	E	32	400	Gas Well	Producing	State	State
Utah State 2	4301930759	16.000000	S	25.000000	E	32	405	Gas Well	Producing	State	State
Winter Camp 7-14	4301930773	17.000000	S	25.000000	E	7	6610	Gas Well	Producing	Federal	Federal
Toc Txo Pogo USA 15-9	4301930779	17.000000	S	24.000000	E	15	9155	Gas Well	Producing	Federal	Federal
Ptasynski Federal 1	4301930780	17.000000	S	23.000000	E	15	6725	Gas Well	Producing	Federal	Federal
Moxa Federal A-1	4301930792	16.000000	S	26.000000	E	4	6730	Gas Well	Producing	Federal	Federal
Credo Federal 1	4301930797	16.000000	S	26.000000	E	5	6740	Gas Well	Producing	Federal	Federal
Credo Federal A-1	4301930798	16.000000	S	26.000000	E	5	6745	Gas Well	Producing	Federal	Federal
Hancock Federal 2	4301930833	17.000000	S	25.000000	E	5	6750	Gas Well	Producing	Federal	Federal
Callister Federal 1	4301930857	16.000000	S	24.000000	E	24	6671	Gas Well	Producing	Federal	Federal
Bennion Fed 1	4301930893	16.000000	S	25.000000	E	30	6760	Gas Well	Producing	Federal	Federal
Lauck Fed A-1	4301930990	16.000000	S	25.000000	E	29	6687	Gas Well	Producing	Federal	Federal
Arco Federal H-1	4301931002	16.000000	S	25.000000	E	12	6765	Gas Well	Producing	Federal	Federal
Valentine Federal 3	4301931009	16.000000	S	25.000000	E	35	6770	Gas Well	Producing	Federal	Federal
Bmg Federal A 1	4301931031	16.000000	S	26.000000	E	9	11650	Gas Well	Producing	Federal	Federal
Little Berry St 1	4301931075	16.000000	S	23.000000	E	2	6666	Gas Well	Producing	State	State
Bmg Federal 2	4301931108	16.000000	S	26.000000	E	8	6669	Gas Well	Producing	Federal	Federal
Lauck 2	4301931109	16.000000	S	25.000000	E	29	6668	Gas Well	Producing	Federal	Federal
Bmg Federal 4	4301931130	16.000000	S	26.000000	E	17	6792	Gas Well	Producing	Federal	Federal
Bmg Federal 5	4301931131	16.000000	S	26.000000	E	7	6793	Gas Well	Producing	Federal	Federal
Bmg Federal 7	4301931183	16.000000	S	26.000000	E	17	6794	Gas Well	Producing	Federal	Federal
Federal 3-4	4301931195	17.000000	S	25.000000	E	3	4691	Gas Well	Producing	Federal	Federal
Federal Quinoco 18-4	4301931196	17.000000	S	25.000000	E	18	7200	Gas Well	Producing	Federal	Federal

From: Lone Mountain Production Company
 To: ARB Energy Utah. LLC
 Effective 8/1/2019

State 32-3 Quinoco	4301931224	16.000000	S	26.000000	E	32	7201	Gas Well	Producing	Private	State
Federal 14-2	4301931225	17.000000	S	24.000000	E	14	7202	Gas Well	Producing	Federal	Federal
Hancock State 2-16	4301931230	17.000000	S	25.000000	E	2	7206	Gas Well	Producing	State	State
Hancock Federal 15-3	4301931235	17.000000	S	25.000000	E	15	10681	Gas Well	Producing	Federal	Federal
Hancock State 16-3	4301931237	17.000000	S	25.000000	E	16	10686	Gas Well	Producing	Private	State
Federal 11-3	4301931240	17.000000	S	24.000000	E	11	10746	Gas Well	Producing	Federal	Federal
Quinoco State 16-12	4301931243	16.000000	S	26.000000	E	16	10763	Gas Well	Producing	State	State
Credo-Samedan Fed 1-13	4301931246	17.000000	S	24.000000	E	13	10820	Gas Well	Producing	Federal	Federal
State 16-1	4301931266	17.000000	S	25.000000	E	16	10924	Gas Well	Producing	Private	State
Quinoco State 32-9	4301931282	16.000000	S	26.000000	E	32	10946	Gas Well	Producing	Private	State
Federal 17	4301931306	17.000000	S	25.000000	E	11	455	Gas Well	Producing	Federal	Federal
Federal No 20	4301931337	17.000000	S	25.000000	E	12	455	Gas Well	Producing	Federal	Federal
Bar-X Federal 23	4301931347	17.000000	S	25.000000	E	1	455	Gas Well	Producing	Federal	Federal
Federal 9	4301931351	16.000000	S	26.000000	E	17	11648	Gas Well	Producing	Federal	Federal
Federal 21	4301931352	17.000000	S	25.000000	E	12	455	Gas Well	Producing	Federal	Federal
Valentine Federal 4	4301931359	16.000000	S	25.000000	E	34	12222	Gas Well	Producing	Federal	Federal
Jo Reva No 1	4301931368	17.000000	S	25.000000	E	16	12499	Gas Well	Producing	Private	State
Bar X Unit 24	4301931383	17.000000	S	26.000000	E	6	455	Gas Well	Producing	Federal	Federal
Credo Federal 3	4301931384	16.000000	S	26.000000	E	5	15412	Gas Well	Producing	Federal	Federal
BMG Fed 11	4301931385	16.000000	S	26.000000	E	17	15414	Gas Well	Producing	Federal	Federal
Fed BMG 12	4301931391	16.000000	S	26.000000	E	8	15415	Gas Well	Producing	Federal	Federal
BMG Fed 10	4301931393	16.000000	S	26.000000	E	17	15413	Gas Well	Producing	Federal	Federal
Hancock St 2-5	4301931472	17.000000	S	25.000000	E	2	15622	Gas Well	Producing	State	State
Federal 13-9	4301930468	16.000000	S	25.000000	E	13	6630	Gas Well	Shut-in	Federal	Federal
State 32-11	4301930500	16.000000	S	26.000000	E	32	6645	Gas Well	Shut-in	Private	State
Federal 14-2	4301930541	16.000000	S	25.000000	E	14	6655	Gas Well	Shut-in	Federal	Federal
Arco Federal C-1	4301930572	16.000000	S	25.000000	E	35	6680	Gas Well	Shut-in	Federal	Federal
Harvey Federal 1-X	4301930574	16.000000	S	25.000000	E	5	6685	Gas Well	Shut-in	Federal	Federal
Arco Federal D-1	4301930578	16.000000	S	25.000000	E	34	6690	Gas Well	Shut-in	Federal	Federal
Carlson USA 13-4	4301930617	16.000000	S	25.000000	E	13	6660	Gas Well	Shut-in	Federal	Federal
Hougen Fed A-1 St 1	4301930799	17.000000	S	24.000000	E	14	6686	Gas Well	Shut-in	Federal	Federal
Nicor Fed 2	4301931020	16.000000	S	25.000000	E	28	6731	Gas Well	Shut-in	Federal	Federal
Bmg Federal 3	4301931114	16.000000	S	26.000000	E	8	6681	Gas Well	Shut-in	Federal	Federal
Federal 6-16	4301931226	17.000000	S	25.000000	E	6	7203	Gas Well	Shut-in	Federal	Federal
Federal 11-10	4301931241	17.000000	S	24.000000	E	11	10747	Gas Well	Shut-in	Federal	Federal
Quinoco Federal 6-5	4301931267	17.000000	S	25.000000	E	6	10926	Gas Well	Shut-in	Federal	Federal
Federal 20-R	4301931320	17.000000	S	25.000000	E	10	11257	Gas Well	Shut-in	Private	Federal
Utah State 3	4301931360	16.000000	S	25.000000	E	32	12223	Gas Well	Shut-in	State	State



September 24, 2019

Utah Division of Oil, Gas, and Mining
1594 W. North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

RECEIVED

SEP 26 2019

DIV OF OIL, GAS & MINING

RE: Change of Operator Form 9 Sundry Notice
New Operator: ARB Energy Utah, LLC
Bond No. LICX1175451

To Whom It May Concern:

Per my conversation with Rachel Medina, enclosed in duplicate is the Form 9 Sundry Notice requesting approval for the change of operator to ARB Energy Utah, LLC effective August 1, 2019 for the Federal Wells, State of Utah wells, Pipeline Right-of-Ways, and the Bar-X Unit Area as listed in the attached Exhibit 'A'.

Please contact me at (303) 619-9657 or Heather Sondergaard at (303) 623-3444 ext. 3 with any questions or additional information you need regarding this change and thank you for your assistance.

Sincerely,


Konnie Knight
Land Consultant
Direct: (303) 619-9657

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9



SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Arb Energy Utah, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 600 Travis St., Suite 6161 CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (281) 224-8033		8. WELL NAME and NUMBER: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: Grand		9. API NUMBER: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

See attached gas well list for an Operator change effective August 1, 2019

New operator: Arb Energy Utah, LLC

DOGMA Bond No. LICX1175451

Federal Bond No.

Prior Operator:
Lone Mountain Production Company
P.O. Box 80965
Billings, MT 59108-0965
(406) 245-5077

Name: James G. Routson

Title: President - Lone Mountain Production Company

James G. Routson

NAME (PLEASE PRINT) Humberto Sirvent

TITLE CEO - Arb Energy Utah, LLC

SIGNATURE *Humberto Sirvent*

DATE 9/18/2019

RECEIVED

SEP 26 2019

DIV OF OIL, GAS & MINING

APPROVED

OCT 24 2019

DIV. OIL GAS & MINING
BY: *Rachel Medina*

(This space for State use only)

Well Operator Change Effective August 1, 2019
 New Operator: Arb Energy Utah, LLC

Well Location:

<u>Well Name</u>	<u>API</u>	<u>Sec.</u>	<u>T.</u>	<u>R.</u>	<u>Type</u>
Arco Federal B No. 1	43-019-30552	6	16S	25E	Gas
Arco Federal C No. 1	43-019-30572	35	16S	25E	Gas
Bennion Federal No. 1	43-019-30893	30	16S	25E	Gas
BMG Federal A No. 1	43-019-31031	9, 8*	16S	26E	Gas
BMG Federal No. 2	43-019-31108	8	16S	26E	Gas
BMG Federal No. 3	43-019-31114	8, 18*	16S	26E	Gas
BMG Federal No. 5	43-019-31131	8, 7*	16S	26E	Gas
BMG Federal No. 7	43-019-31183	17	16S	26E	Gas
BMG Federal No. 4	43-019-31130	17	16S	26E	Gas
BMG Federal No. 9 - 10	43-019-31351	17	16S	26E	Gas
BMG Federal No. 10	43-019-31393	17	16S	26E	Gas
BMG Federal No. 11	43-019-31385	17, 18*	16S	26E	Gas
BMG Federal No. 12	43-019-31391	8	16S	26E	Gas
Callister Federal No. 1	43-019-30857	24	16S	24E	Gas
Carlson Federal No. 13-4	43-019-30617	13	16S	25E	Gas
Credo Federal A No. 1	43-019-30798	5	16S	26E	Gas
Credo Samedan No. 1-13	43-019-31246	13	17S	24E	Gas
Credo Federal No. 1	43-019-30797	5	16S	26E	Gas
Credo Federal No. 3	43-019-31384	5	16S	26E	Gas
Crittenden No. 1 - 20	43-019-15027	12	17S	25E	Gas
Edwards USA No. 12-2	43-019-30702	12	17S	24E	Gas
Federal No. 3-4	43-019-31195	3	17S	25E	Gas
Federal No. 6-5	43-019-31267	6	17S	25E	Gas
Federal No. 6-7	43-019-30516	6	17S	25E	Gas
Federal No. 6-14	43-019-30462	6	17S	25E	Gas
Federal No. 6-16	43-019-31226	6	17S	25E	Gas
Federal No. 7-4	43-019-30517	7	17S	25E	Gas
Federal No. 7-14	43-019-30773	7	17S	25E	Gas
Federal No. 11-3	43-019-31240	11	17S	24E	Gas
Federal No. 11-10 - 30	43-019-31241	11	17S	24E	Gas
Federal No. 12-9	43-019-30748	12	17S	24E	Gas
Federal No. 13-9	43-019-30468	13	16S	25E	Gas
Federal No. 14-2	43-019-31225	14	17S	24E	Gas
Federal No. 15-3	43-019-31235	15	17S	25E	Gas
Federal No. 17-9	43-019-30472	17	16S	25E	Gas
Federal No. 18-4	43-019-31196	18	17S	25E	Gas
Federal No. 20-R	43-019-31320	10	17S	25E	Gas
Federal No. 33-13	43-019-30416	33	16S	26E	Gas
Federal No. 33-18	43-019-16203	18	16S	25E	Gas
Grynberg Federal No. 1 - 40	43-019-30657	28	16S	25E	Gas
Hancock Federal No. 2	43-019-30833	5	17S	25E	Gas
Harvey Federal No. 1-X	43-019- 30552 30574	5	16S	25E	Gas
Hogle Federal No. 14-4	43-019-30507	14	17S	24E	Gas
Hougen Federal A No. 1	43-019-30799	14	17S	24E	Gas
Lauck Federal A No. 1 - 45	43-019-30990	29	16S	25E	Gas

* Bottom hole location

Well Operator Change Effective August 1, 2019

New Operator: Arb Energy Utah, LLC

<u>Well Name</u>	<u>API</u>	<u>Sec.</u>	<u>T.</u>	<u>R.</u>	<u>Type</u>
Lauck Federal No. 2	43-019-31109	29	16S	25E	Gas
Moxa Federal A No. 1	43-019-30792	4	16S	26E	Gas
Moxa Federal No. 1	43-019-30698	9	16S	26E	Gas
Nicor Federal No. 2	43-019-31020	33, 28*	16S	25E	Gas
Omimex Federal No. 14-2-50	43-019-30541	14	16S	25E	Gas
Ptasynski Federal No. 1	43-019-30780	15	17S	23E	Gas
TXO-Pogo USA No. 15-9	43-019-30779	15	17S	24E	Gas
Valentine Federal No. 1	43-019-30639	35	16S	25E	Gas
Valentine Federal No. 2	43-019-30640	34	16S	25E	Gas
Valentine Federal No. 3	43-019-31009	35	16S	25E	Gas
Valentine Federal No. 4	43-019-31359	34	16S	25E	Gas
Westbit Federal No. 2	43-019-15048	9	16S	25E	Gas
Arco Federal D No. 1	43-019-30578	34	16S	25E	Gas
Arco Federal H No. 1	43-019-31002	12	16S	25E	Gas
Bar-X Unit No. 3 - 60	43-019-15022	12	17S	25E	Gas
Bar-X Unit No. 5	43-019-15024	17	17S	26E	Gas
Bar-X Unit No. 6	43-019-15025	17	17S	25E	Gas
Bar-X Unit No. 8	43-019-30494	11	17S	25E	Gas
Bar-X Unit No. 13	43-019-30598	7	17S	26E	Gas
Bar-X Unit No. 17	43-019-31306	11	17S	25E	Gas
Bar-X Unit No. 20	43-019-31337	12	17S	25E	Gas
Bar-X Unit No. 21	43-019-31352	12	17S	25E	Gas
Bar-X Unit No. 23	43-019-31347	1	17S	25E	Gas
Bar-X Unit No. 24	43-019-31383	6	17S	26E	Gas
Dietler State No. 2-14 - 70	43-019-30571	2	17S	24E	Gas
Hancock State No. 2-5	43-019-31472	2	17S	25E	Gas
Jo Reva State No. 1	43-019-31368	16	17S	25E	Gas
State No. 2-16	43-019-31230	2	17S	25E	Gas
State No. 16-1	43-019-31266	16	17S	25E	Gas
State No. 16-3	43-019-31237	16	17S	25E	Gas
State No. 16-4	43-019-30433	16	16S	26E	Gas
State No. 16-12	43-019-31243	16	16S	26E	Gas
State No. 32-1	43-019-30451	32	16S	26E	Gas
State No. 32-3	43-019-31224	32	16S	26E	Gas
State No. 32-9 - 80	43-019-31282	32	16S	26E	Gas
State No. 32-11	43-019-30500	32	16S	26E	Gas
Texas Pacific State No. 1	43-019-30634	36	16S	25E	Gas
Texas Pacific State No. 2	43-019-30670	36	16S	25E	Gas
Utah State No. 1	43-019-30758	32	16S	25E	Gas
Utah State No. 2	43-019-30759	32	16S	25E	Gas
Utah State No. 3	43-019-31360	32	16S	25E	Gas
Little Berry State No. 1 - 87	43-019-31075	2	16S	23E	Gas

<u>Unit Name</u>	<u>Agreement No.</u>	<u>Location:</u>
Bar-X Unit Area	UTU-63015X	Grand County

* Bottom hole location

Federal Pipeline ROW's Change Effective August 1, 2019
 New Lessee: Arb Energy Utah, LLC
 Grand County

<u>Lease No.</u>	<u>Location:</u>	
UTU-77483	<u>Township 17 South, Range 25 East, S.L.M.</u> Section 17: NESE	
UTU-64602	<u>Township 17 South, Range 25 East, S.L.M.</u> Section 10: SESW, W2SE Section 15: NW, SWNW, E2NW	
UTU-52436	<u>Township 16 South, Range 25 East, S.L.M.</u> Section 11: SESW, S2SE Section 12: W2SW	
UTU-0133409	<u>Township 16 South, Range 25 East, S.L.M.</u> Section 11: SE	
UTU-47429	<u>Township 16 South, Range 25 East, S.L.M.</u> Section 11: SW	
UTU-69263	<u>Township 17 South, Range 24 East, S.L.M.</u> Section 12: S2NE, E2SE	<u>Township 17 South, Range 25 East, S.L.M.</u> Section 5: SWSW Section 6: N2NE, SWNE, E2SW, NWSE, S2SE Section 7: N2NW, SWNW, S2SW, NESW Section 8: N2NW, SENW, NESW, N2SE Section 18: NWNW
UTU-69308	<u>Township 16 South, Range 26 East, S.L.M.</u> Section 33: SWSW	<u>Township 17 South, Range 26 East, S.L.M.</u> Section 5: N2N2, SWNE, W2SE Section 8: W2E2 Section 17: W2NE
UTU-67404	<u>Township 16 South, Range 26 East, S.L.M.</u> Section 29: N2NW Section 30: NENE Section 31: NENE	
UTU-66991	<u>Township 16 South, Range 25 East, S.L.M.</u> Section 25: SESE	<u>Township 16 South, Range 26 East, S.L.M.</u> Section 29: SESW, N2SE, SWSE Section 30: SENE, S2SW, S2SE, NESE Section 31: N2NE
UTU-66269	<u>Township 17 South, Range 25 East, S.L.M.</u> Section 10: E2SE, SWSE Section 11: SWNW, NWSW Section 15: NWNE, NENW	
UTU-65545	<u>Township 17 South, Range 25 East, S.L.M.</u> Section 11: E2NE	
UTU-40544	<u>Township 16 South, Range 25 East, S.L.M.</u> Section 17: S2NW Section 18: S2NW	
UTU-59954	<u>Township 17 South, Range 25 East, S.L.M.</u> Section 1: Lot 4, SWNW	
UTU-59955	<u>Township 17 South, Range 25 East, S.L.M.</u> Section 3: W2NW, W2NWSW Section 4: SENESE, SESE Section 9: W2E2NE, SENESW	