



TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

July 23, 1982

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

Re: Oil Springs Unit #8
Section 3-T12S-R24E
Uintah County, Utah

Dear Mr. Feight:

Enclosed, for your review and approval, please find a copy of the Federal NTL-6 application for the above-referenced well.

If you have any questions, please contact me at this office.

Very truly yours,

TXO PRODUCTION CORP.

Karen P. Laurie
35
Karen P. Laurie
Environmental Scientist

KPL/BS
Enclosure/as stated

RECEIVED

JUL 27 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, CO 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 645' FSL, 1283' FEL, Section 3-T12S-R24E
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Proposed well location is about 23 miles south of Bonanza, Utah.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilling unit line, if any) 645'
 16. NO. OF ACRES IN LEASE 640
 17. NO. OF ACRES ASSIGNED TO THIS WELL 1919.8
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2166'
 19. PROPOSED DEPTH 3300
 20. ROTARY OR CABLE TOOLS Rotary
 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5935' GR
 22. APPROX. DATE WORK WILL START* February 1, 1983

23. 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#	500'	275 sacks
7 7/8"	4 1/2"	10.5#	3300'	175 sacks

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

DATE: 7/28/82
BY: [Signature]

RECEIVED

JUL 27 1982

DIVISION OF
OIL, 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.E. Dashner TITLE District Drilling Engineer DATE July 20, 1982
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

9-331 C ADDENDUM
Oil Springs Unit #8
Section 3-T12S-R24E
Uintah County, Utah

1. SURFACE FORMATION: Green River Formation
2. ESTIMATED FORMATION TOPS:

Wasatch	1825'
Mesaverde	3000'
Total Depth	3300'

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

Expected Oil and Gas Zones:	Wasatch	1825' (gas)
	Mesaverde	3000' (gas and/or oil)

Water may be encountered in the Wasatch and Green River Formations.

4. CASING PROGRAM AS PER FORM 9-331 C.
5. 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 1500 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.

6. MUD PROGRAM:

0'-500'	Lime base mud, 8.8-9.0#/gal. viscosity 35-45 sec. API.
500'-TD	Low solids, non-dispersed mud, 8.8-9.0#/gal., vis. 35-45 sec. API.

7. 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.

8. CORING, LOGGING, TESTING PROGRAM:

A. No coring is anticipated.

B. Logging: DISFL-GR-SP (surface pipe to TD); FDC-CNL-GR-CAL (TD to 2000' above TD).

C. A DST will be run on any show of interest in the Wasatch.

9. 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.

10. ANTICIPATED STARTING DATES:

Start location	February 1, 1982
Spud date	February 8, 1983
Complete drilling	February 22, 1983
Completed, ready for pipeline	March 8, 1983

11. 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: July 20, 1982

WELL NAME: Oil Springs Unit #8

LOCATION: 645' FSL, 1283' FEL, Section 3-T12S-R24E

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 645' FSL and 1283' FWL of Section 3-T12S-R24E.
- B. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From Bonanza, Utah, go south across the White River, stay on main road for 9.1 miles. Take the right fork southwesterly toward Atchee Ridge, for 8.9 miles to a fork. Take the left fork, travel southwesterly for 0.6 miles to another fork. Take the left fork to Atchee Ridge Road, travel southeasterly for 1.4 miles. Turn right at the fork to Big Park Road, drive south for 2.2 miles to a fork. Take the right fork, continuing southwesterly 0.9 miles. Turn right onto a two-track trail which follows Long Draw westward. Drive 0.8 mile to the access road on the right.
- 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: About 0.8 mile of existing road is a two-track trail in Long Draw. Portions of this two-track trail are in the creek bed. A road will be constructed on the benches above the creek bottom to allow access year around. The road will be 18 feet wide and low-water crossings will be constructed as needed. The maximum grade will be less than 8 percent. If the well is a producer, the road will be ditched and crowned.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: The two-track trail in Long Draw will be reconstructed as described in Item 1 E. above. The newly-constructed portion of access will be about 150 feet long from the the road in Long Draw to the well pad. The road will be graded to an 18 foot wide running surface and the maximum grade will be less than 8 percent. Refer to Exhibit 5.

3. LOCATION OF EXISTING WELLS

Exhibit 6 is a one-mile radius locating and identifying the following:

- A. Water Wells-None
- B. Abandoned Wells-None

- C. Temporarily Abandoned Wells-None
- D. Disposal Wells-None
- E. Drilling Wells-None
- F. Producing Wells-Alamo-2 Oil Springs Unit, Sec. 3-T12S-R24E
Stone-4 Oil Springs Unit, Sec. 2-T12S-R24E
- G. Shut-in Wells-TXO-1 Asphalt Creek Fed., Sec. 10-T12S-R24E
- H. Injection Wells-None
- I. Monitoring or Observation Wells for Other Reasons-None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Exhibit 6 is a one-mile radius locating the following existing facilities owned by the lessee/operator: Production facilities are planned at the location of the Asphalt Creek Federal #1, Section 10-T12S-R24E.
 - 1. Tank Batteries-None
 - 2. Production Facilities-None
 - 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 facilities and attendant lines in relation to the well pad. Refer to Exhibit 7.
 - 2. Dimensions of facilities: Refer to Exhibit 7.
 - 3. The production facilities will include a bar production pit, a separator, meter run, and, if necessary, a dehydrator. The facilities will be located as shown on Exhibit 7. The pit will be located in cut and 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 pit will be fenced with barbed wire to protect livestock and wildlife.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location and type of water supply: TXO Production Corp. is considering three water source options:
 - 1) TXO currently holds a water permit from the State of Utah to divert water from the White River near Bonanza, Utah; however, the diversion point is no longer accessible to us. TXO would apply for a permit for another diversion point.
 - 2) TXO has the option to purchase water from the American Gilsonite Company in Bonanza, Utah and haul it by truck to the drill site.

- 3) TXO may use produced water from the Asphalt Creek Federal #1 well, located in the SW 1/4 NW 1/4 Section 10-T12S-R24E.
- B. Method of transporting water: The water will be hauled in trucks by a certified water hauler along the 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: It is anticipated that cuts on location will furnish sufficient quantities of materials to construct a level location. Topsoil will be stockpiled on the east end of the pad for later use during rehabilitation on the disturbed areas. No additional material will be needed.
- B. Identify if from Federal or Indian Land: The location and access road will fall entirely on federally-owned land, 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: Material other than that supplied by cuts on location should not be required to construct the pad and road. Approximately 2,061 cubic yards of material will be derived from cuts on location and approximately 860 cubic yards of fill are needed. See Exhibit 8.
- D. Show any needed access roads crossing Federal or Indian Lands: The access road will cross BLM administered lands in Section 3-T12S-R24E. Refer to Exhibit 5.

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. While drilling with air or gas, a dust arresting system will be installed on the blow line.
- C. Produced 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 trash bin and removed to a sanitary landfill upon completion.
- F. Protective Devices: The flare pit (if necessary) will be fenced with barbed wire and flagged to protect animals. 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 collected and removed from the location and hauled to a sanitary landfill. All pits will be filled after drying and the area restored as 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: The airstrip in the NW 1/4 Section 7-T12S-R25E may be used to fly rig crews to the area. Refer to Exhibit 5. No upgrading will be required.

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross section of drill pad with cuts and fills: Refer to Exhibit 8.
- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 8.
- C. Rig orientation, parking area: Refer to Exhibit 8.
- D. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface structure is too porous or is highly fractured, a 1 to 2 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 filled. The reserve pit will be allowed to dry and then will be backfilled. Disturbed areas of the pad not needed for production facilities 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 BLM. If the well is not a producer, the entire pad will be reclaimed in a similar manner.

In the event the well is not a producer, that portion of the access road requested by BLM to be rehabilitated will be covered with topsoil, disked and reseeded with a BLM-recommended seed mixture. Shrubby plants removed during road construction will be scattered randomly along the road to provide a natural appearance, control erosion and enhance seed production.

- B. Prior to rig release, pits will be fenced and so maintained until cleanup can be properly done.
- 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 March 8, 1983, and will be completed within approximately one year.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The pad is located on the north side of an intermittent drainage on a flat bench. The soil on the bench is a deep, silty loam. Vegetative cover is about 50 percent and is primarily comprised of greasewood (Sarcobatus vermiculatus), and cheatgrass (Bromus tectorum). Big sagebrush (Artemisia tridentata), four-wing saltbush (Atriplex canescens), and Indian ricegrass (Oryzopsis hymenoides) were also observed in the area. The area serves as habitat primarily for various birds and small mammals.
- B. Other surface-use activities and surface ownership of all involved lands: The primary use of the land is livestock grazing, and oil and gas development.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: There are no live streams in the immediate area. The location falls just to the north of and in the drainage valley of Long Draw. An archeological survey will be conducted and the results will be forwarded to the appropriate BLM office.

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:

K.P. Laurie
Environmental Scientist
TXO Production Corp.
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 458-6146 - 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: July 20, 1982

R.E. Dashner
R.E. Dashner
District Drilling Engineer

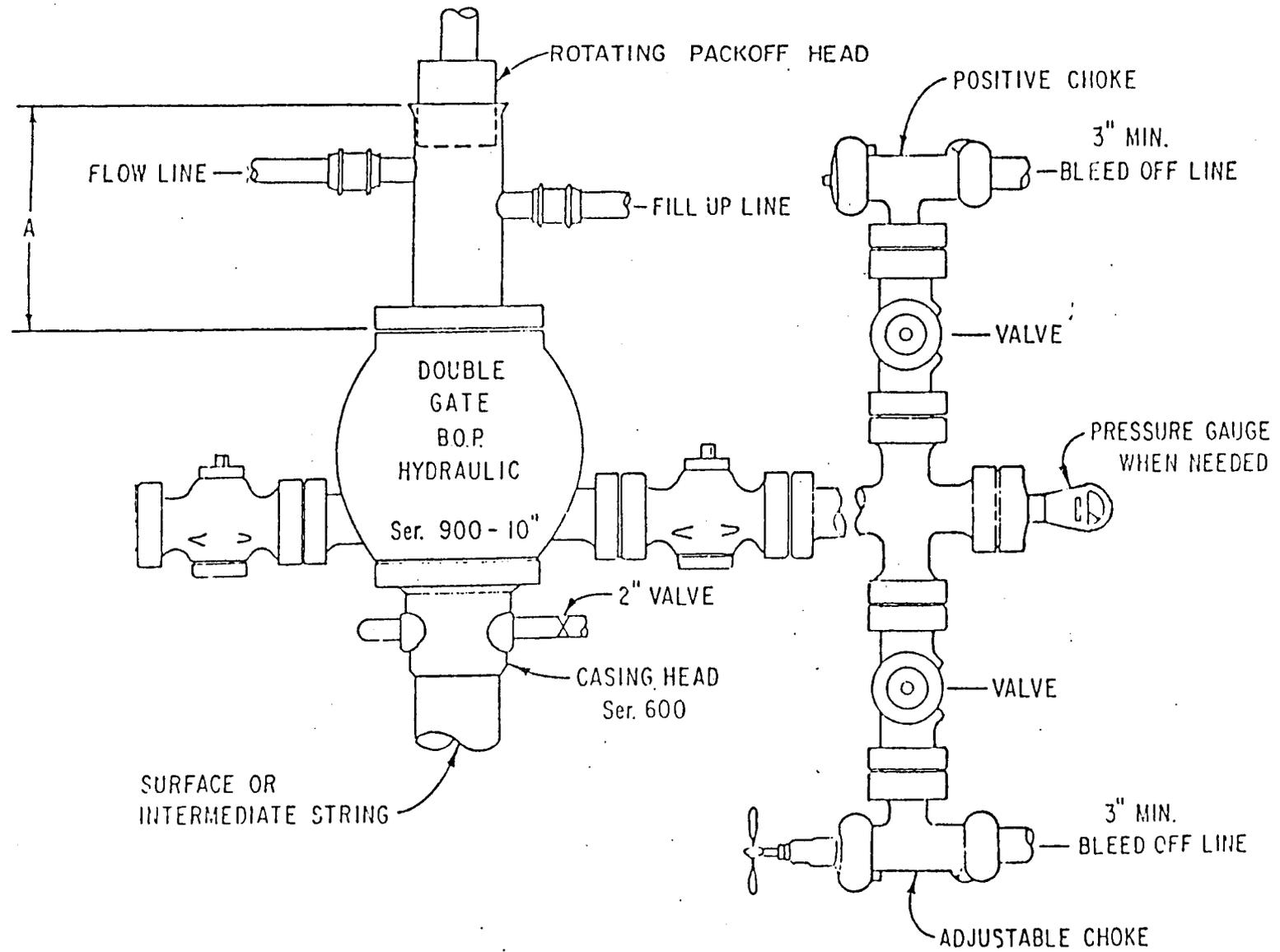
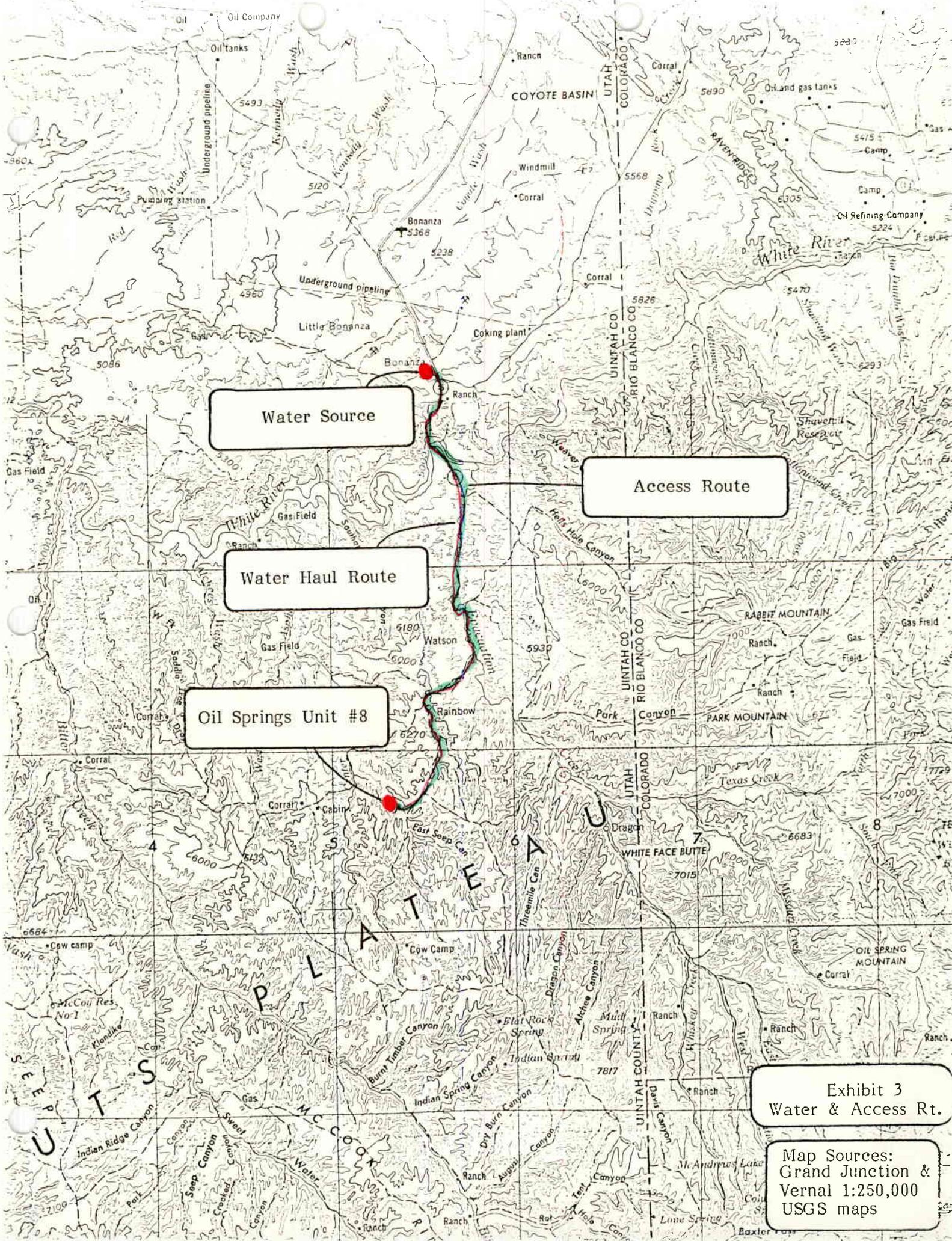


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM



Water Source

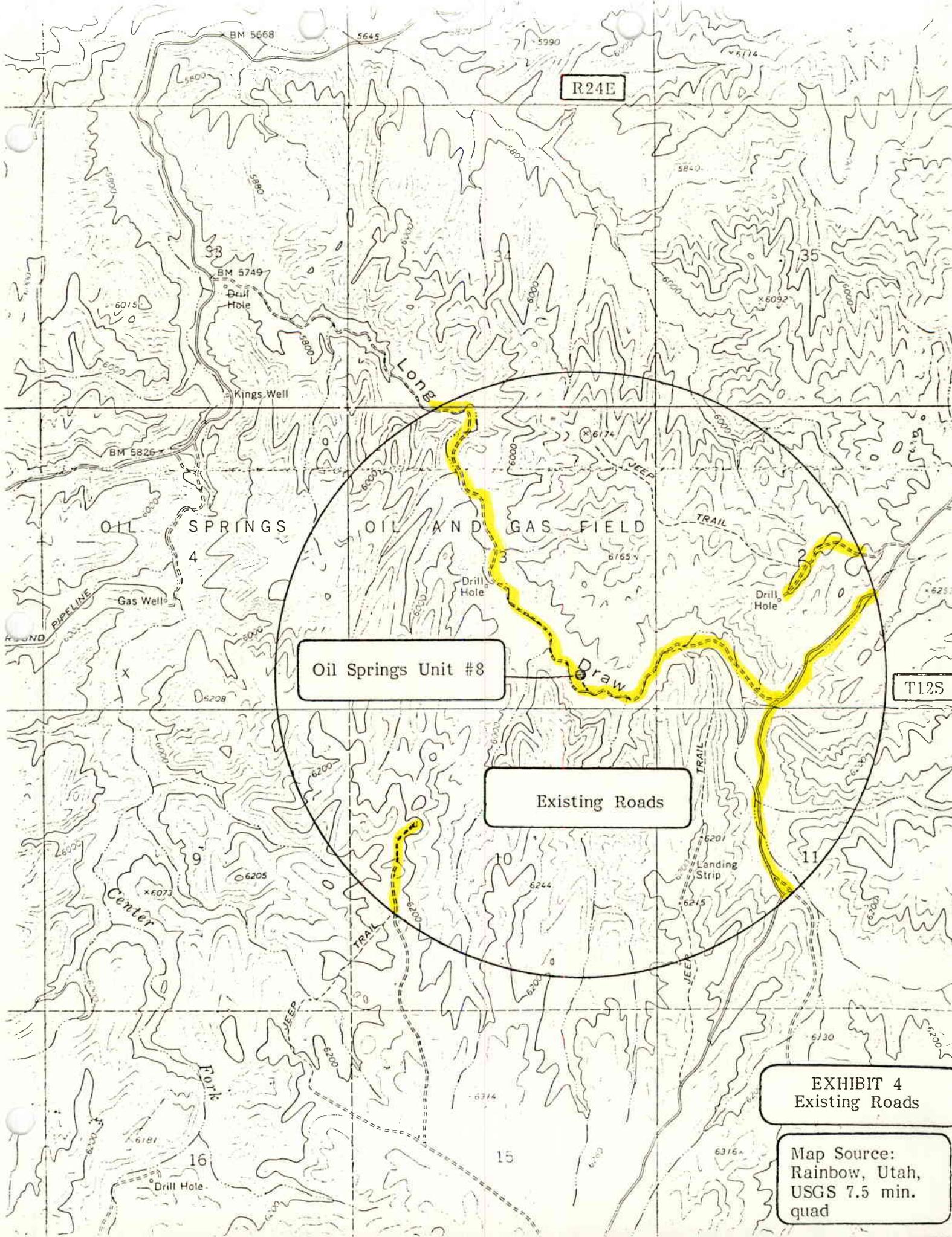
Access Route

Water Haul Route

Oil Springs Unit #8

Exhibit 3
Water & Access Rt.

Map Sources:
Grand Junction &
Vernal 1:250,000
USGS maps



R24E

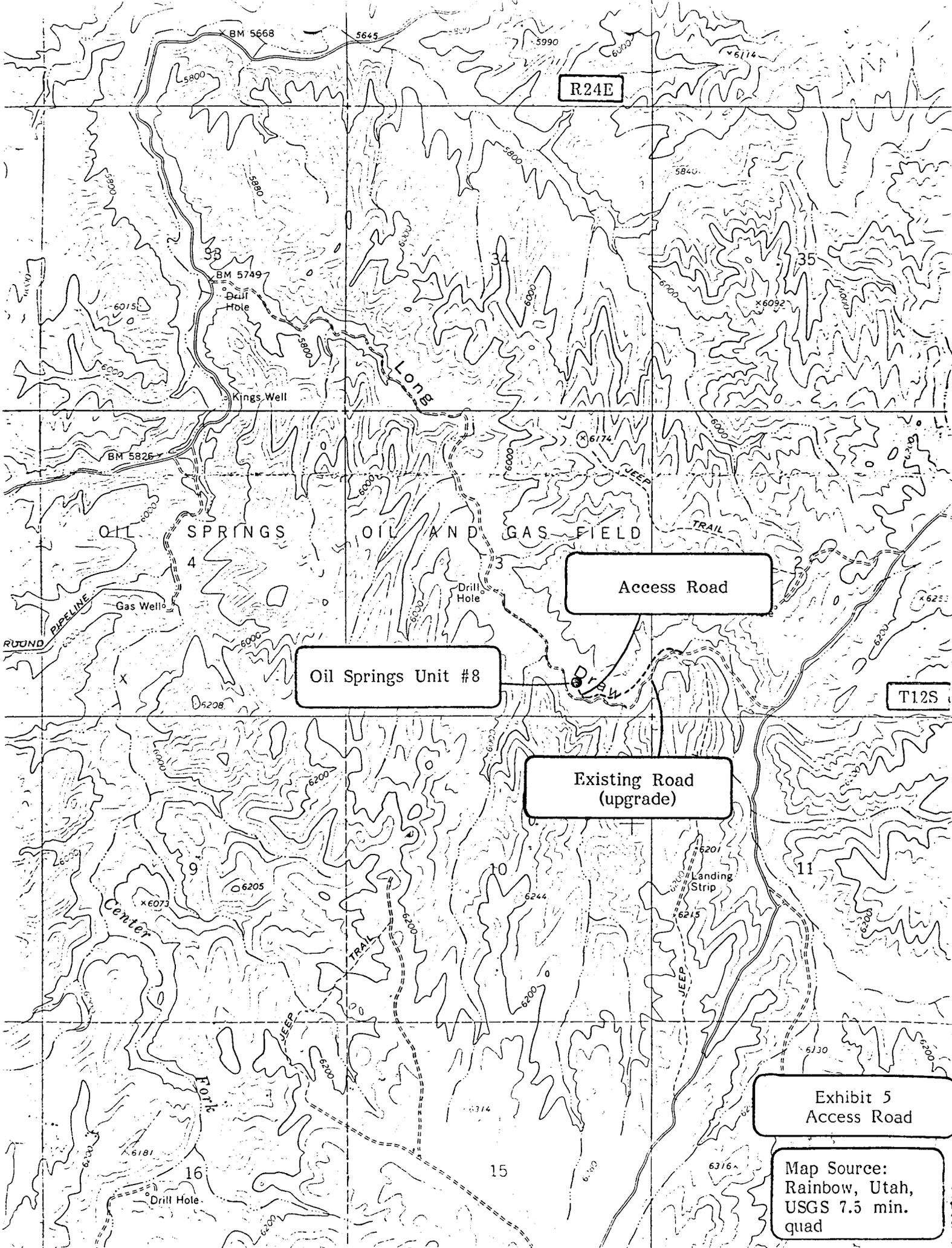
T12S

Oil Springs Unit #8

Existing Roads

EXHIBIT 4
Existing Roads

Map Source:
Rainbow, Utah,
USGS 7.5 min.
quad



R24E

Oil Springs Unit #8

Existing Road
(upgrade)

Access Road

Exhibit 5
Access Road

Map Source:
Rainbow, Utah,
USGS 7.5 min.
quad

T12S

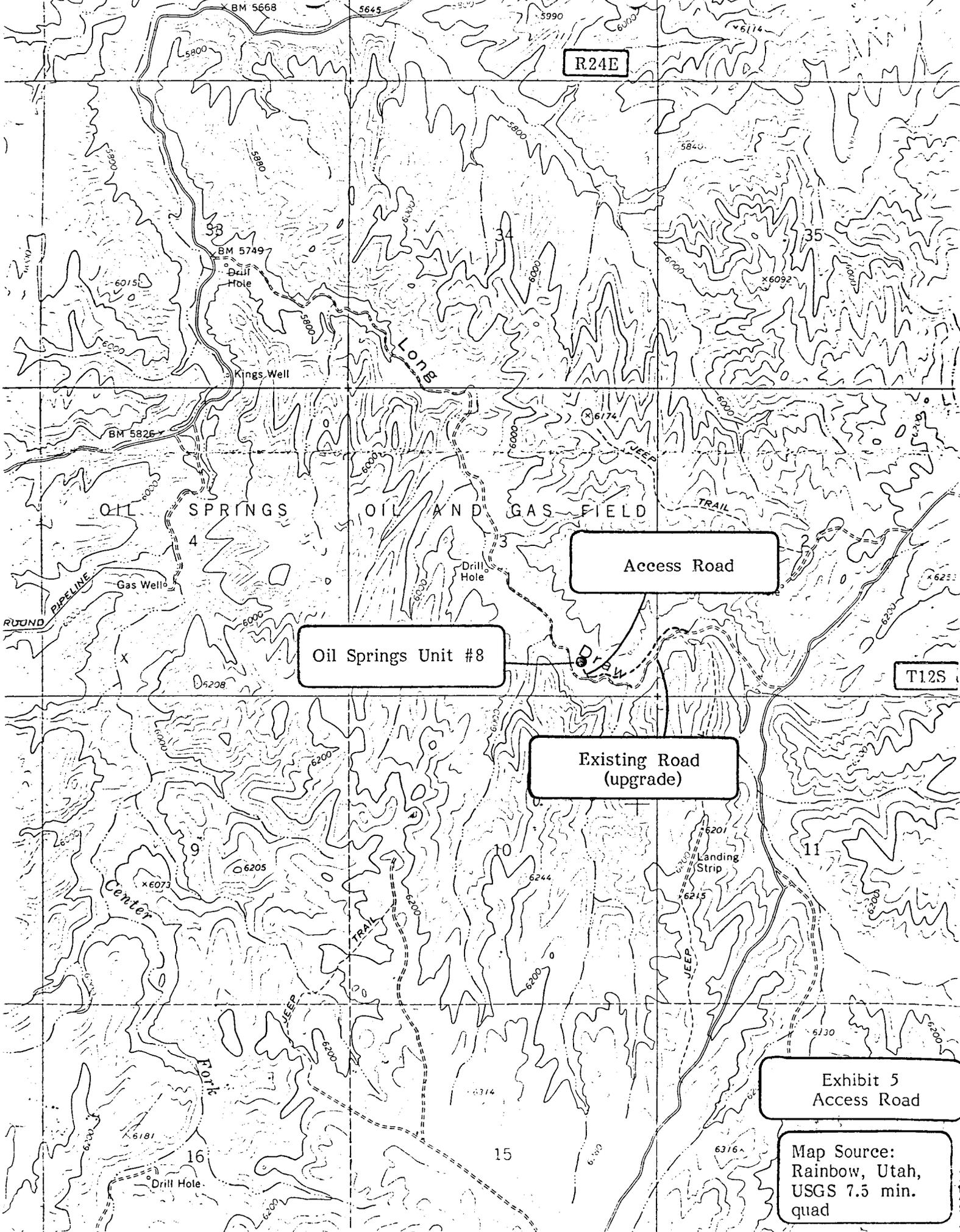
ROUND

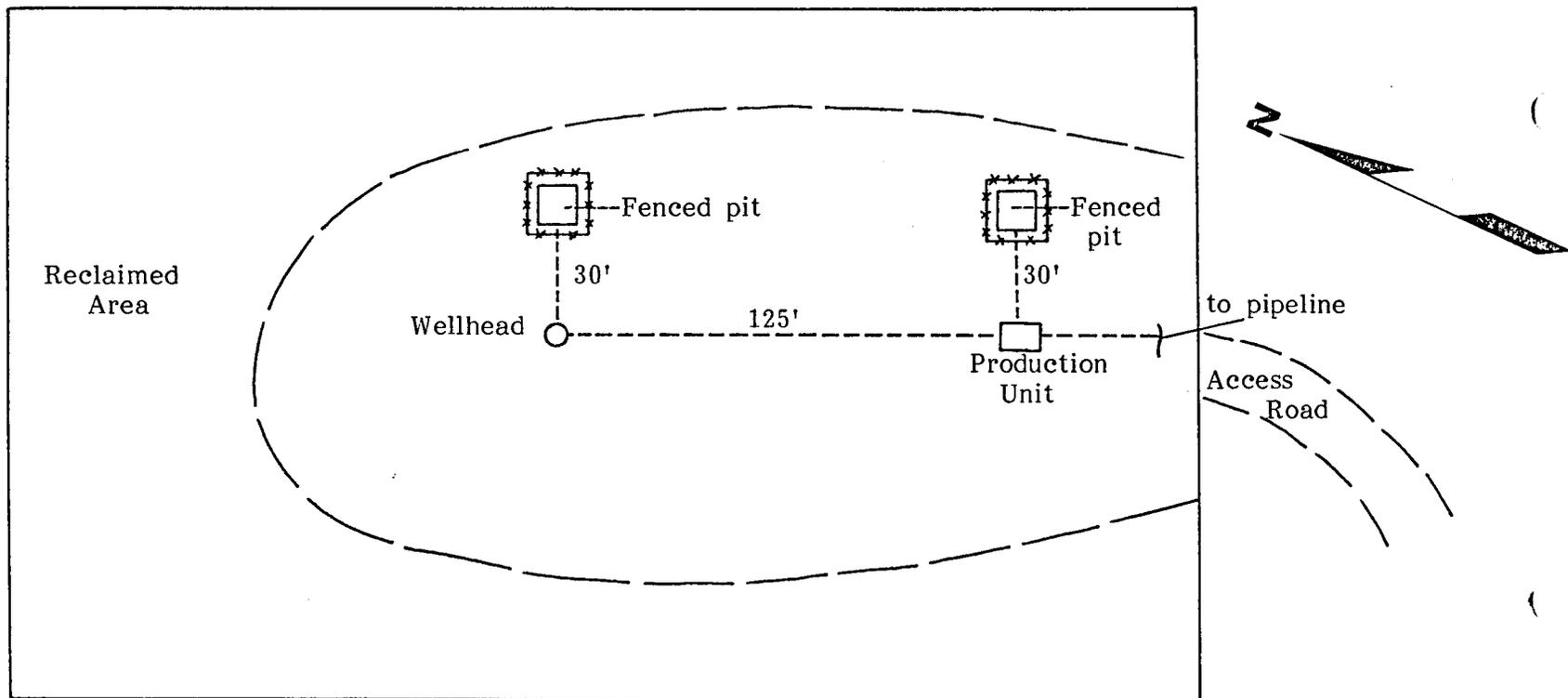
OIL SPRINGS

OIL AND GAS FIELD

Center

Fork



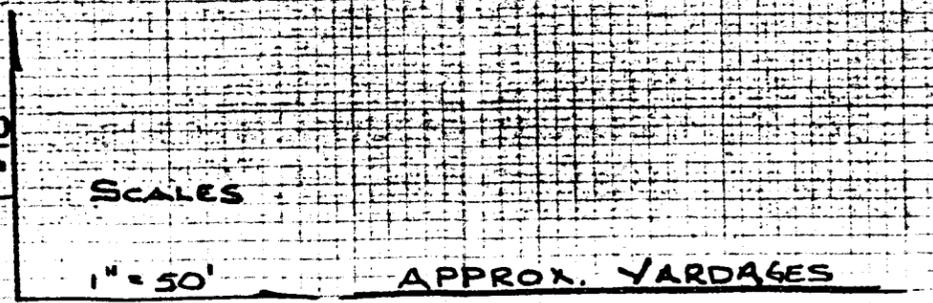
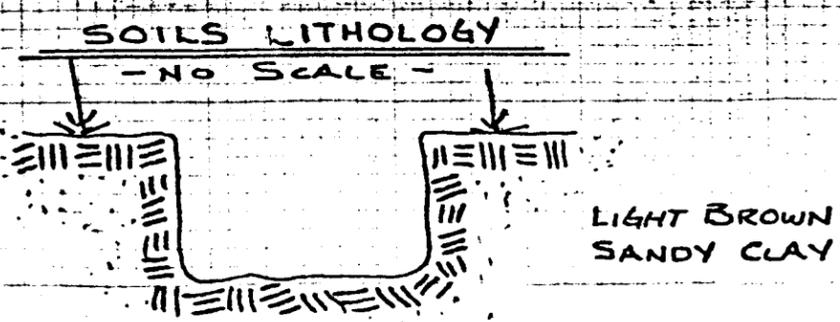
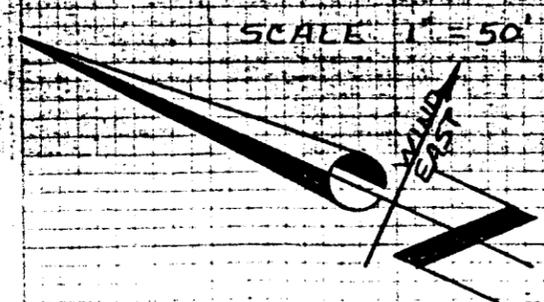
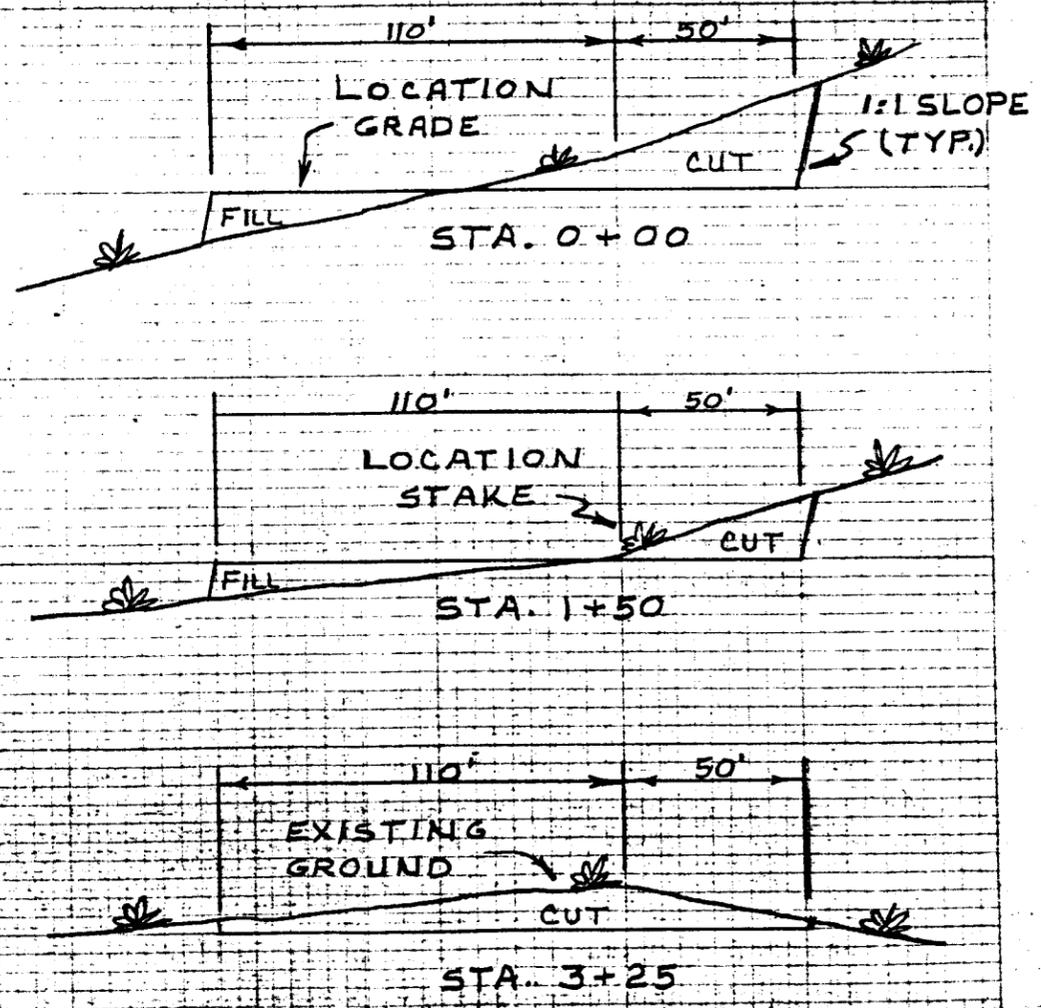
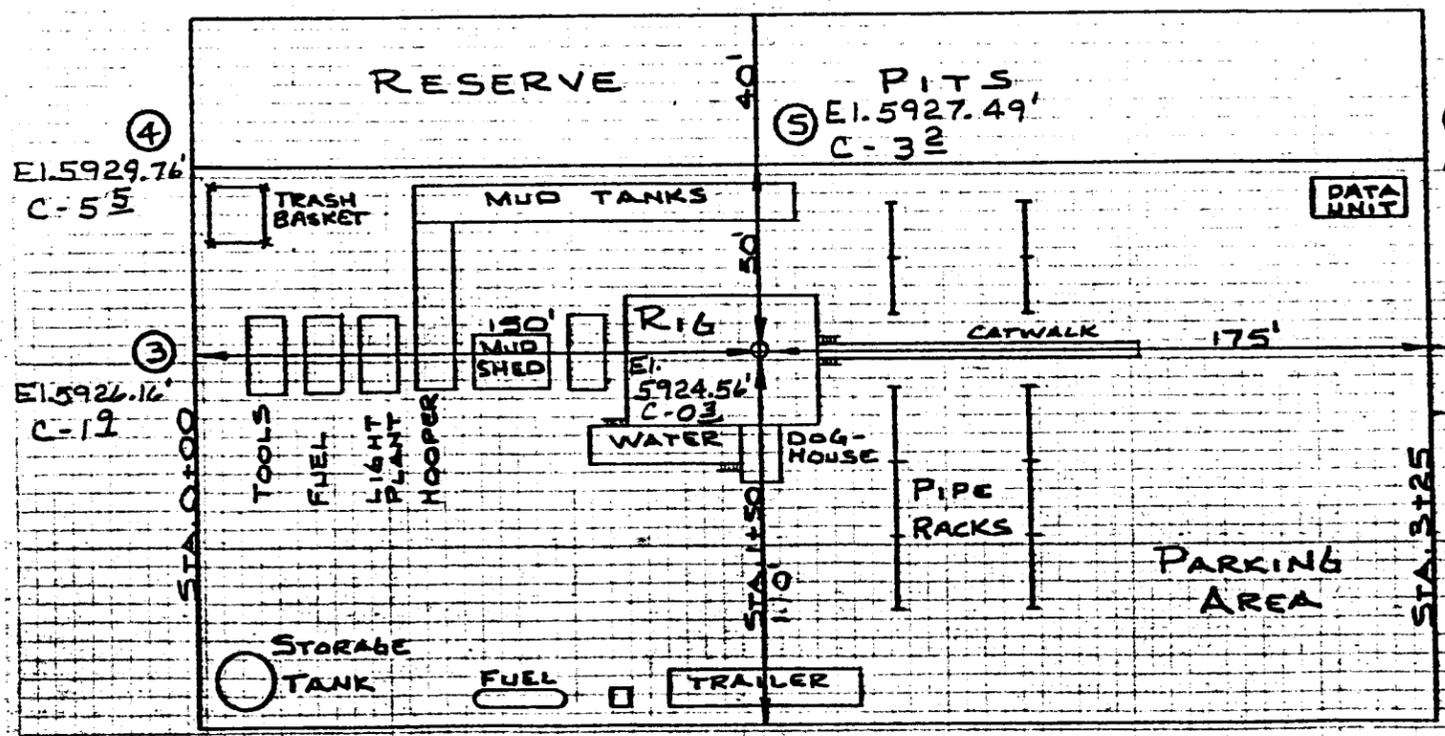


- 1) Pits will be 10' x 10' x 6' deep and will be surrounded by fencing.
- 2) Sacrificial magnesium anodes will be used, if necessary, to control corrosion.
- 3) All pipelines will be coated and wrapped, then buried.
- 4) A surface mounted high/low safety shut-down system will be installed.
- 5) Separator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

EXHIBIT 7 - PRODUCTION FACILITIES - OIL SPRINGS FEDERAL #8

TXO PRODUCTION CORP. OIL SPRINGS UNIT #8

C
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CU. YDS. CUT. - 2061
CU. YDS. FILL - 860

10/2

** FILE NOTATIONS **

DATE: July 27, 1982
 OPERATOR: TXO Production Corp.
 WELL NO: Dil Springs Unit #8
 Location: Sec. 3 T. 12S R. 24E County: Uintah

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-047-31255

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: Unit well

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed

Plotted on Map

Approval Letter Written

Hot Line

P.I.

July 28, 1982

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

RE: Well No. Oil Springs Unit #8
Sec. 3, T12S, R24E
Uintah County

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953, and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

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 43-047-31255.

Sincerely,



RONALD J. FIRTH
CHIEF PETROLEUM ENGINEER

RJF:SC
cc: Minerals Management Service
Enclosure

NOTICE OF SPUD

file 2

Company: TXO Corp.

Caller: Chuck Johns

Phone: 309-861-4246

Well Number: #8

Location: Sec. 3-125-24E

County: Uintah State: Utah

Lease Number: 71-011753

Lease Expiration Date: _____

Unit Name (If Applicable): Oil Springs

Date & Time Spudded: 11:10 AM 12-4-82

Dry Hole Spudder/Rotary: _____

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

Rotary Rig Name & Number: Weco #1

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: De Leis

Date: 1-5-82

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MINERALS MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
RECEIVED

JUL 22 1982

SALT LAKE CITY, UTAH

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, CO 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
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 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Proposed well location is about 23 miles south of Bonanza, Utah.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drill unit line, if any) 645'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 1919.8

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, IF DRILLING COMPLETED, OR APPLIED FOR, ON LEASE, FT. 2166'

19. PROPOSED DEPTH 3300

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5935' GR

22. APPROX. DATE WORK WILL START* February 1, 1983

5. LEASE DESIGNATION AND SERIAL NO.
 U-011753

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Oil Springs

8. FARM OR LEASE NAME
 Oil Springs Unit

9. WELL NO.
 8

10. FIELD AND POOL, OR WILDCAT
 Oil Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 3-T12S-R24E

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

23. 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#	500'	275 sacks
7 7/8"	4 1/2"	10.5#	3300'	175 sacks

cement must circulate to surface

RECEIVED
 DEC 09 1982
 DIVISION OF
 OIL 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.E. Dashner TITLE District Drilling Engineer DATE July 20, 1982
R.E. Dashner
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY W.M. Martin FOR E. W. GUYNN DATE DEC 08 1982
 CONDITIONS OF APPROVAL, IF ANY: _____ TITLE DISTRICT OIL & GAS SUPERVISOR

NOTICE OF APPROVAL
 CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY
 TAPPING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80
 State 016

TXO Production Corporation
Well No. 8
Section 3, T12S, R24E
Uintah County, Utah
Lease U-011753

Supplemental Stipulations:

1. Traveling off the access road right-of-way will not be allowed. The maximum width of access roads, both existing and planned, will be 30 feet total disturbed area. Turn-outs will not be required. Roads will be crowned and properly maintained. Bar ditches will be installed where necessary.
2. The top 6-8 inches of topsoil will be stockpiled between reference corners #28 and #3.
3. Burn pits will not be constructed. There will be no burning or burying of garbage or trash at the well site. Refuse must be contained in trash cages and hauled to an approved disposal site.
4. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pit.
5. All permanent structures, onsite for 6 months duration or longer, constructed or installed, including the pumpjack and covering over tank insulation, will be painted a flat, non-reflective earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities will be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.

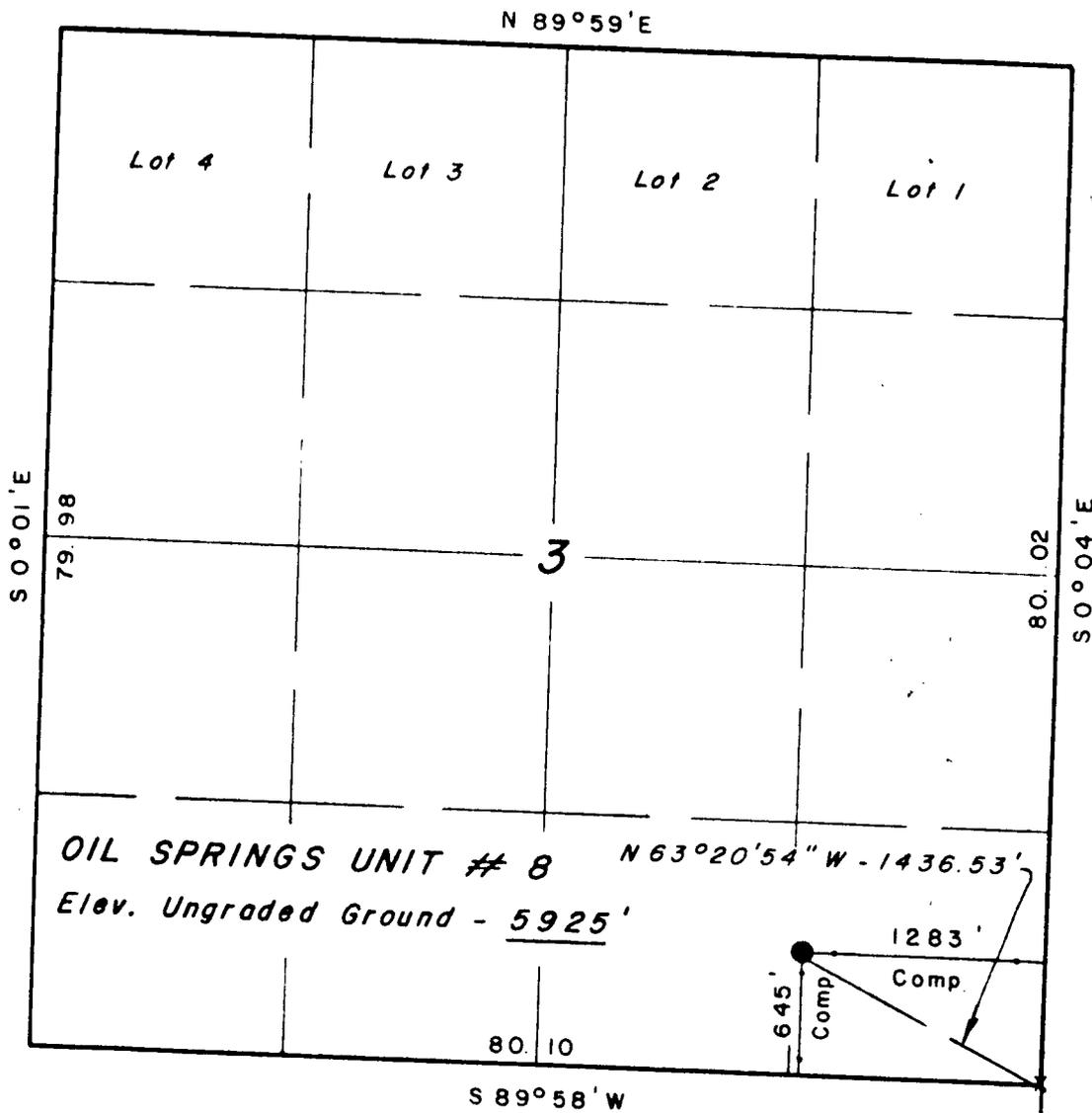
Choice of color stipulation may vary depending on location.
6. Live trees that must be removed may be pushed over and stockpiled separately from the topsoil. Large pieces of dead wood should also be stockpiled from the topsoil.
7. Trees and brush will be pushed off the road and pad prior to any mineral soil being bladed.
8. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding requirements.
9. Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Mahogany zone of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Coal beds may occur in the Mesaverde, but probably at depths greater than 3,000 feet. Surface casing program may require adjustment for protection of fresh water aquifers.

T 12 S , R 24 E , S.L.B. & M.

PROJECT

TXO PRODUCTION CORP.

Well location , OIL SPRINGS UNIT # 8 , located as shown in the SE 1/4 SE 1/4 Section 3 , T 12 S , R 24 E , S.L.B. & M. Uintah County , Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Lawrence L. Fry
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 3137
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 P.O. BOX Q - 85 SOUTH - 200 EAST
 VERNAL, UTAH - 84078

X = Section Corners Located

E 1/4 Corner Sec. 10X
 T 12 S , R 24 E , S.L.B. & M.

SCALE	1" = 1000'	DATE	6/1/82
PARTY	RK BK LZ	REFERENCES	GLO Plat
WEATHER	Clear / Warm	FILE	Exhibit 2

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: TXO Production Company

WELL NAME: Oil Springs Unit #8

SECTION SESE 3 TOWNSHIP 12S RANGE 24E COUNTY Uintah

DRILLING CONTRACTOR Veco

RIG # 1

SPUDDED: DATE 1-4-83

TIME 11:00 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Chuck Johns

TELEPHONE # 303-861-4246

DATE 1-7-83 SIGNED AS

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

OPERATION
SUSPENDED

March 24, 1983

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

Attn: Mr. Cleon B. Feight
Director

APR 1 1983
RECEIVED

DIVISION OF
OIL GAS & MINING

RE: Oil Springs Unit #8
Section 3, T12S-R24E
Uintah County, Utah

Dear Mr. Feight:

Please find enclosed two (2) copies of Form 9-330, "Well Completion or Recompletion Report and Log" for the above referenced well. Also find enclosed copies of the well history. The logs will be forwarded by the logging company.

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

Sincerely,

TXO PRODUCTION CORP.



Charles H. Johns
Petroleum Engineer

CHJ/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.

16

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 Building, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 645' FSL & 1283' FEL, Section 3, T12S-R24E

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED
43-047-31255 API 12/08/82

5. LEASE DESIGNATION AND SERIAL NO.
U-011753

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Oil Springs Unit

9. WELL NO.
#8

10. FIELD AND POOL, OR WILDCAT
Oil Springs

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 3, T12S-R24E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD
1/4/83 1/11/83 2/24/83 5934' KB, 5933' DF, 5925' GL

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE
3306' 3242' 3 → Yes No

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-CDL-CNL, SP-DIL

27. WAS WELL CORED
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	327'	12-1/4"	215 sxs Cl "G"	
4-1/2"	10.5#	3291'	7-7/8"	470 sxs 65/35 poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Attachment.	

33.* PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) *S.I*

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS

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

SIGNED *Charles H. Johnson* TITLE Petroleum Engineer DATE 3/22/83

*(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 55, 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.

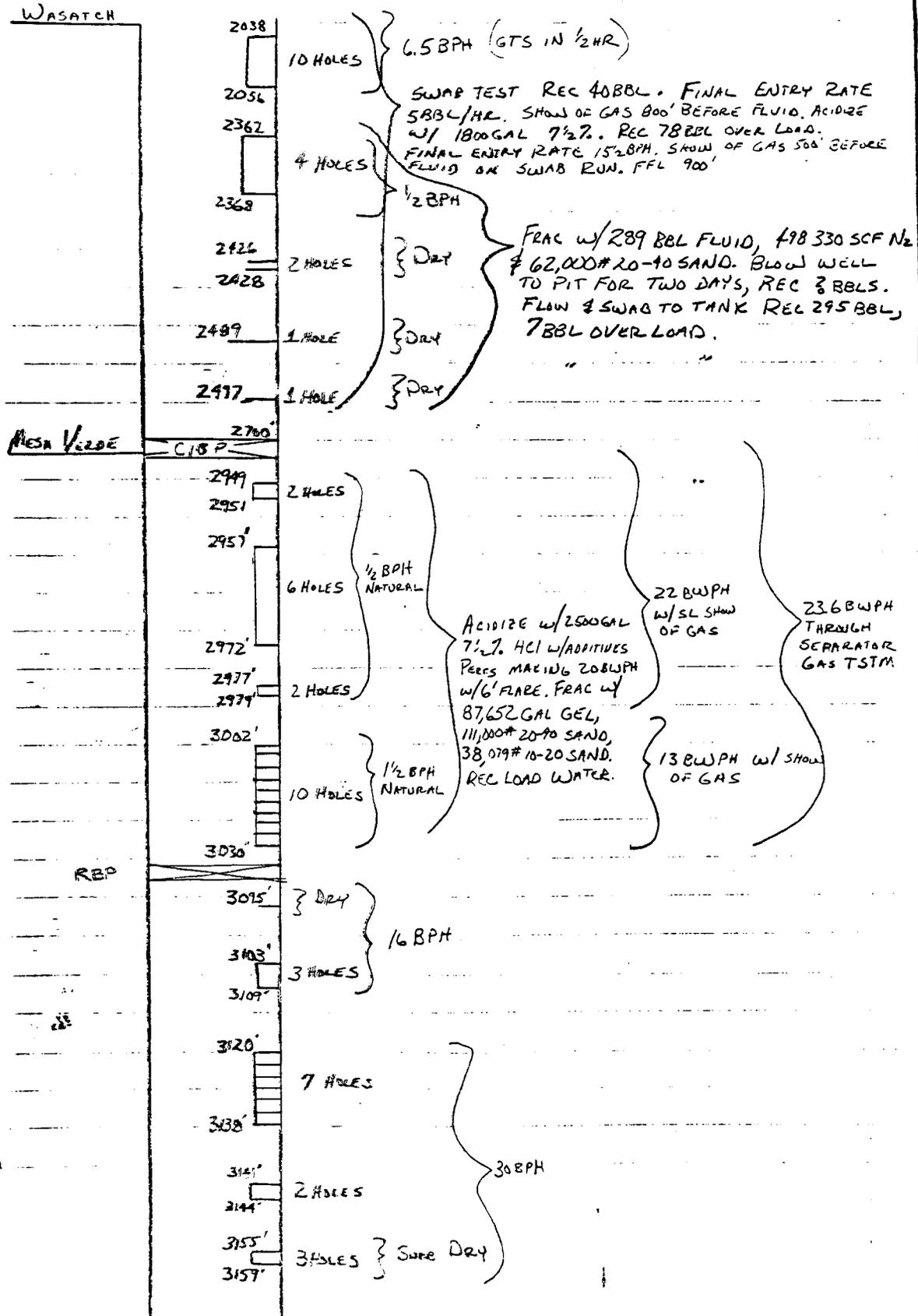
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state 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 23. 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
				Wasatch Mesaverde	1830' 2950'

OIL SPRINGS UNIT #E



OIL SPRINGS UNIT #8
Section 3, T12S-R24E
Uintah County, Utah

Perfs: 3095', 3103', 06', 09', 20', 24', 27',
29.5', 32.5', 35.5', 38.5', 41', 44',
55', 57', 59'. Total 16 holes (.36" dia
holes). No stimulation.

Perfs: 2949', 51', 57', 60', 63', 66', 69', 72',
77', 79', 3002', 06', 09', 12', 15', 18',
21', 24', 27', 30'. Total 20 holes (.36"
dia holes).

Acidize w/ 2500 gal 7-1/2% HCL w/ addit-
ives. Frac w/ 87,652 gal X-link gel,
111,000# 20/40 sand and 38,079# 20/40
sand. (CIBP @ 2700'.)

Perfs: 2038', 40', 42', 44', 46', 48', 50', 52',
54', 56', 2362', 64', 66', 68', 2426',
28', 2489', 2497'. Total 18 holes (.36"
dia holes).

Acidize w/ 1800 gal 7-1/2% HCL. Frac
perfs 2362-2497' w/ 289 bbls fluid,
498,330 scf N₂ and 62,000# 20/40 sand.

WELL NAME:	Oil Springs Unit #8	PTD:	3300'
AREA:	Oil Springs	ELEVATIONS:	5925' GL
LOCATION:	Section 3, T12S-R24E	CONTRACTOR:	Veco #1
COUNTY:	Uintah	AFE NUMBER:	830544
STATE:	Utah	LSE NUMBER:	94222
FOOTAGE:	645' FSL & 1283' FEL	TXO WI:	56.25%

ROBERT C. LAU	Just Mail
2755 South Locust Street	
Ste. 103	
Denver, Colorado 80222	
Ph: (303) 758-4495	

APCOT-FINADEL JOINT VENTURE	Just Mail
American Petrofina, Inc.	
P. O. Box 2159	
Dallas, Tx 75221	
Attn: Jim Henderson	

- 01/05/83 249' (249'), pipe stuck 15' off btm. Surf. Spud 12-1/4" hole @ 11 AM 12/04/82. Hit sulfur wtr flow @ 154'. Stuck pipe 15' off btm. Currently working stuck pipe. DW: 6422. CW: 6422. DD 1.
- 01/06/83 332' (83'), circ, WO cmtrs. Surf. 8.8, 48. Loss circ @ 259'. Work stuck pipe. Pipe came free. Regain circ. Wash & ream to btm. Lost circ again. Pipe stuck 4' off btm. RU surf driving tool. Pipe came free. TOOH for plugged bit. TIH. Commence drlg. TD 12-1/4" hole @ 4 AM 1/06/83. Currently circ, WO cmtrs. DW: 14,891. CW: 21,313. DD 2.
- 01/07/83 368' (36'), drlg. Surf. Clear wtr. Ran 8 jts 8-5/8", 24#, K-55, ST&C @ 327' KB. Float @ 287'. Cmt w/ 215 sxs Cl "G" w/ 3% CaCl₂, 1/4#/sx celloflake. PD @ 3 PM 1/06/83. Full returns. Float held. Cmt fell back 12'. 1" w/ 15 sxs cmt. Commence drlg @ 3:30 AM 1/07/83. DW: 1784. CW: 23,097. DD 3.
- 01/08/83 1136' (768'), drlg. Sd & Sh. Wtr. 1-3/4" @ 494', 1/2" @ 1012'. DW: 17,723. CW: 48,820. DD 4.
- 01/09/83 1935' (799'), drlg. Wasatch. Native. Wasatch @ 1859'. 1-3/4" @ 1502'. DW: 18,399. CW: 59,219. DD 5.
- 01/10/83 2794' (659'), drlg. Wasatch. Native. 1-3/4" @ 1992', 1" @ 2509'. DW: 15,350. CW: 74,569. DD 6.
- 01/11/83 3233' (439'), drlg. Mesaverde. 9.5, 47, 20, 7. Mesaverde top @ 3003'. Shows: 3003-36' w/ 2/52 units. 3157-65' w/ 12/165 units. 1" @ 3002'. DW: 13,050. CW: 87,619. DD 7.
- 01/12/83 3305' (72'), TIH. Mesaverde. 9.5, 52, 12.8, 11.5. TD 7-7/8" hole @ 10 AM 1/11/83. Circ 1 hr short trip. Tight hole @ 2850-3100'. TOOH w/ 30 stnds & cond mud. Wash & ream to TD. Circ & cond hole. TOOH to log. Logs hit bridge @ 3160'. RD loggers. Work on rig. TIH. DW: 7204. CW: 94,823. DD 8.
- 01/13/83 3305' (0'), LD DP. Mesaverde. 9.2, 48, 14.2, 10.5. TIH w/ bit. Wash & ream to btm. Circ on btm, TOOH. RU loggers, start logging @ 1:30 PM 1/12/83. Run DIL-GR, CNL-CDL. Fin logging @ 10 PM 1/12/83. TIH, circ on btm. Short trip. TOOH, laying dn. DW: 14,629. CW: 109,452. DD 9.
- 01/14/83 3305' (0'), RR @ 6 PM 1/13/83. Mesaverde. Ran 82 jts 4-1/2", 10.5#, K-55, ST&C csg. Float @ 3255'. Shoe @ 3291'. Circ w/ mud for 30 min. Pump 15 bbls 3% KCL wtr. Cmt w/ 470 sxs 65/35 poz, 2% gel, 5% D-65, 3% KCL, 1/4#/sx celloflake. Dspl w/ 52 bbls 3% KCL wtr. PD @ 3:10 PM 1/13/83. BP to 1500#. Float held. Full returns. RR @ 6 PM 1/13/83. Drop from report until completion begins. DW: 41,471. CW: 150,923. DD 10.

WELL NAME:	Oil Springs Unit #8	PTD:	3300'
AREA:	Oil Springs	ELEVATIONS:	5925' GL
LOCATION:	Section 3, T12S-R24E	CONTRACTOR:	Veco #1
COUNTY:	Uintah	AFE NUMBER:	830544
STATE:	Utah	LSE NUMBER:	94222
FOOTAGE:	645' FSL & 1283' FEL	TXO WI:	56.25%

- 01/28/83 3242' PBD, MIRUCU. Unload tbg. NU tbg head & BOP. TIH w/ 3-7/8" csg scraper, bit, & 2-3/8" tbg. Tag fill @ 3240'. CO fill to 3242'. Press test to 3000#. Circ hole w/ 3% KCL water & TOOH w/ tbg. MIRUWL & RIH w/ CCL-GR from 3238-1500'. SDFN. DW: 31,551. CW: 182,474.
- 01/29/83 3242' PBD, RIH & perf as follows: 3002', 06', 09', 12', 15', 18', 21', 24', 27', 30', 3095', 3103', 06', 09', 20', 24', 27', 29.5', 32.5', 35.5', 38.5', 41', 44', 55', 57', 59'. (Dresser misfired one gun in wrong position.) Total 26 holes, .38" dia. RD WL. RIH w/ tbg & pkr. Set @ 2966'. PT annulus to 1000#. Swab 12 runs. IFL surf. FFL 1700'. Final flow rate 21 BPH. Immediate gas show when TOOH w/ swab. Rec 88 bbls. Rel pkr. Reset @ 3151'. Swab 4 runs. IFL surf. FFL 3100'. Rec 10 bbls total. Good show of gas. Last 2 runs dry. Backside remained full. Rel pkr & TOOH to 2956'. SDFN. DW: 2775. CW: 185,249.
- 01/30/83 3242' PBD, tbg froze up. Thaw tbg. Well flowing approx 2 BPH. Set pkr @ 3114'. Well still unloading 2 BPH. Swab test 3120-59'. IFL surf. FFL 1300'. Swb 7 runs. Rec 49 bbls GCF. Gas show while pulling swab @ 500' from btm. Final swab rate @ 30 BPH. Rel pkr. TOOH. PU scraper. Ream csg pin in wellhead. TOOH. PU & RIH w/ pkr & retrievable BP. Set BP @ 3050'. Pkr @ 2970'. Swab test 3002-30'. Swab 4 runs. IFL surf. FFL 2700'. Last 2 swab runs rec 2 bbls. Rec 14 bbls total. Gas show 1500' into swab run. DW: 8051. CW: 193,300.
- 01/31/83 3242' PBD, SDFS.
- 02/01/83 3242' PBD, TP 150#. Open well up. Well flared. Swab test 3002-3030'. IFL @ 300'. FFL @ 2200'. Swab dn in 3 runs. Final swab rate 1-1/2 BPH. Rec 20 bbls total. Show of gas. Backside @ 1000#. Rel pkr & plug. Isolate perf @ 3095'. Set plug @ 3099', set pkr @ 3055'. Swab dn tbg in 2 runs. Made 4 runs total. IFL @ 400'. FFL @ 3055'. Rec 11 bbls total. Last 2 runs were dry. Backside remained full. Load tbg w/ 11-1/2 bbls. Press to 3000# twice. Move plug to 3101', pkr @ 3055'. Loaded tbg w/ 2 bbls. Press to 3500#. Still no brk dn. Move plug to 3115', pkr @ 3055'. Load tbg w/ 2 bbls. Press to 1650#. Press broke back to 1500#. Pump 2 bbls into perfs. Began swabbing back. IFL @ surf. FFL @ 2000'. Final entry rate 16 BPH. Rec 41.5 bbls. Backside remained full. SDFN. DW: 2375. CW: 195,675.
- 02/02/83 3242' PBD, TP 350#. Tag FL @ 300'. Rel pkr. Retrieve plug, TOOH. Left plug in hole. TIH. Retrieve plug & TOOH. MIRUWL. RIH w/ 3-1/8" gun. Well unloaded fluid @ 3-4 BPH. Perf as follows: 2949', 51', 57', 60', 63', 66', 69', 72', 77', 79'. Total 10 shots, .36" dia. RIH w/ pkr & plug. Set plug @ 2990'. Pkr @ 2980'. Press to 3000#. Reset pkr @ 2929'. Press backside to 1000#. Swab 2949-79'. Swab 7 runs. IFL 100'. FFL dry. Rec 12-1/2 bbls. Final entry rate 1/2 BPH. Gas show 1/2 way OOH w/ swab. SI. SDFN. DW: 6342. CW: 201,917.
- 02/03/83 3242' PBD, TP 5#. IFL 500'. Rel pkr & plug. Move plug to 3072', pkr @ 3056'. PT 3000#. Move pkr to 2929'. Press annulus to 1000#. Bled back to 500#. swb 4 runs. IFL surf. FFL 2600'. Rec 7 bbls. Acidize as follows: 2500 gal 7-1/2% HCL w/ additives. Pump 500 gal. Drop 10 ball sealers then 26 ball sealers evenly spaced. Ball well off 2 bbls short of flush. Surge off balls. SD 5 min. Flush acid to perfs w/ 3% KCL wtr. ISIP 1300#, 5 min 975#, 10 min 775#, 15 min 600#. ATP 2800# @ 6.8 BPM. MTP 5500# @ ball off. Good ball action on job. Begin swabbing back. BLWTBR 73. Swab 6 runs, rec 49 bbls. Well kicked off. IFL surf. Rec load wtr. Well making 20 BWP w/ 6' gas flare. DW: 6779. CW: 208,696.

WELL NAME:	Oil Springs Unit #8	PTD:	3300'
AREA:	Oil Springs	ELEVATIONS:	5925' GL
LOCATION:	Section 3, T12S-R24E	CONTRACTOR:	Veco #1
COUNTY:	Uintah	AFE NUMBER:	830544
STATE:	Utah	LSE NUMBER:	94222
FOOTAGE:	645' FSL & 1283' FEL	TXO WI:	56.25%

- 02/04/83 3242' PBTD, well flowing to pit @ est 15 BPH & 100 MCFD. Rel pkr. Pump 10 bbls & fill tbg. Latch onto plug. TOOH. RIH w/ new plug (w/o ball catcher) & pkr. Set plug @ 3082'. Set pkr @ 3056'. PT to 3500#. TOOH w/ pkr. RU to frac. Pump 32,200 gal pad @ 32 BPM @ 2800#. Pump 12,000 gal w/ 1#/gal 20/40, av 20 BPM @ 2100#. Pump 11,000 gal w/ 2#/gal 20/40, av 31 BPM @ 2800#. Pump 11,000 gal w/ 3#/gal 20/40, av 30 BPM @ 2600#. Pump 11,000 gal w/ 4#/gal 20/40, av 30 BPM @ 2430#. Pump 8462 gal w/ 4.5#/gal 10/20, av 24 BPM @ 2600#. Start flush early due to low fluid in tanks. Flush 2000 gal @ 16 BPM @ 2000#. Total fluid 87,652 gal gel, 111,000# 20/40 sd, 38,079# 10/20 sd. ISIP 1540#, 5 min 1400#, 10 min 1320#, 15 min 1270#. Open well up @ 9:30 PM 2/3/83. Flow well back into tank 600 bbls. Very slight show of gas. BLWTBR 1487. DW: 69,666. CW: 278,362.
- 02/05/83 3242' PBTD, flow well to tank. Rec 1066 BLW. BLWTBR 405. Show of gas. DW: 2225. CW: 280,612.
- 02/06/83 3242' PBTD, well flowed to tank in 9 hrs. Gauged tank @ 5 PM. BLWTBR 181. Show of gas. DW: 1450. CW: 282,062.
- 02/07/83 3242' PBTD, SDFS.
- 02/08/83 3242' PBTD, well flowing to tank. Rec 3028 bbls total @ 1:30 PM 2/7/83. 957 bbls over load. Pump 75 bbls into well. Kill well. TIH w/ Baker model "R" pkr. RIH w/ 10 jts. Pkr set, wouldn't release. TOOH. PU new model "R" pkr. TIH. Set pkr @ 2993'. Isolated lower zone 3002-3030'. Pull 2 runs & rec 19 bbls. Rec large amount of sd on swab cups. IFL surf. FFL 1200'. Pull 1st swab from 2500'. Second swab wouldn't reach SSN. Left well open to tank. SDFN. This AM well has made 104 bbls to tank in 14 hrs. Slight show of gas. DW: 3445. CW: 285,507.
- 02/09/83 3242' PBTD, well flowed 13 bbls between 8 AM & 9 AM. Show of gas. CP vacuum. Rel pkr. TOOH. RIH w/ retrieving head. Circ 70' sd off plug. Lost 30 bbls to fm. Reset plug @ 2929'. TOOH w/ tbg. Change out BOPs. TIH w/ retrieving head & pkr. Reset plug @ 2996'. Set pkr @ 2984'. PT 2000#. OK. Reset pkr @ 2926'. PT annulus to 1500#. OK. Well flowing to tank. SDFN. This AM from 5 PM to 7 AM well flowed 415 bbls. DW: 2345. CW: 287,852.
- 02/10/83 3242' PBTD, flow well to tank 8 AM to 11 AM. Rec 66 bbls SGCF. Reset plug @ 3040' & pkr @ 2926'. PT annulus to 1500#. OK. Flow well to tank. Rec 229 bbls SGCF from 11:30 AM to 5 PM. MIRU test separator. Flow well to test separator @ 6 PM. This AM well has made 319 bbls through separator. Av 23.6 BPH. Gas rate 4 MCFD. DW: 4784. CW: 292,636.
- 02/11/83 3242' PBTD, flow test well through separator from 7:30 AM to 5 PM. FL rec 133 bbls, gas 3 MCFD. Well ave ± 13 BPH. DW: 2245. CW: 294,981.
- 02/12/83 3242' PBTD, rel pkr & plug. TOOH. RU WL. Set CIBP @ 2700'. Dump 2 sxs cmt on CIBP. PT to 3000#. Perf as follows: 2038', 40', 42', 44', 46', 48', 50', 52', 54', 56', 2362', 64', 66', 68', 2426', 28', 2489', 2497'. Total 18 holes (.36" dia). RIH w/ pkr & plug. Set plug @ 2513'. Pkr @ 2020'. PT annulus to 1500'. Swab to tank 14 runs. IFL surf. FFL 1600'. Rec 30 bbls. Final entry rate 5 BPH. Show of gas 800' before fluid. SDFN. DW: 7621. CW: 302,602.
- 02/13/83 3242' PBTD, pull 7 swab runs. IFL surf. FFL 2700'. Rec 10 bbls. Acidize Wasatch perfs as follows: 1800 gal 7-1/2% acid w/ additives. Pump 500 gal, drop 6 ball sealers, then drop 30 additional balls evenly spaced through out remainder of acid. Ball off fm just prior

WELL NAME:	Oil Springs Unit #8	PTD:	3300'
AREA:	Oil Springs	ELEVATIONS:	5925' GL
LOCATION:	Section 3, T12S-R24E	CONTRACTOR:	Veco #1
COUNTY:	Uintah	AFE NUMBER:	830544
STATE:	Utah	LSE NUMBER:	94222
FOOTAGE:	645' FSL & 1283' FEL	TXO WI:	56.25%

- 02/13/83 to flush. Flush w/ 15-1/2 bbls fm wtr. Pump total fluid of 58-1/2 cont. bbls. ATP 3500# @ 6 BPM. MTP 4300# @ 1/2 BPM (during ball-off). ISIP 1200#, 5 min 750#, 10 min 600#, 15 min 500#. Swab to tank, 21 runs. IFL surf. FFL 900'. Rec 80-1/2 bbls (22 bbls over load). Final entry rate 15.5 BPH. Show of gas 500' ahead of fluid. SDFN. DW: 7955. CW: 310,557.
- 02/14/83 3242' PBTB, SDFS.
- 02/15/83 3242' PBTB, well flowed 39 bbls to tank over Sunday. Flow well to tank for 1 hr. Rec 1.3 bbls. Made 5 swab runs. IFL surf. FFL 1800'. Rec 17 bbls. Final entry rate 13 BPH. Isolate 2489-2497' w/ plug & pkr. Made 5 swab runs. Last 3 runs were dry. Rec 8 bbls. IFL 100'. FFL 2450'. Tr of gas just prior to swab cups on last 3 runs. Isolate 2426-2428' w/ plug & pkr. Made 5 swab runs. Last 3 runs were dry. IFL 100'. FFL 2400'. Rec 7.8 bbls. Good show of gas 1200' ahead of swab cups. SD for 1/2 hr. Gas to within 100' of surf. Isolate 2362-68' w/ plug & pkr. Made 3 swab runs. IFL 600'. FFL 2000'. Rec 7.5 bbls. Fair gas show 1200' ahead of swab cups. Last run rec 1.3 bbls. SDFN. DW: 2145. CW: 312,702.
- 02/16/83 3242' PBTB, swab test 2362-68'. Rec 9.8 bbls total in 4 runs. IFL 100'. FFL 2100'. Final entry rate 1/2 BPH. Gas show 1000' from swab cups on 1/2 hr runs. Rel pkr & plug. Isolate 2038-56'. Swab 18 runs. Rec 50.3 bbls. IFL 400'. FFL 1300'. Final entry rate 6.5 BPH. Rel pkr & plug. Isolate 2362-68'. Swab 2 runs. IFL 600'. FFL 2200'. Rec 6.5 bbls. SIFN. This AM no measurement press. DW: 2245. CW: 314,947.
- 02/17/83 3242' PBTB, swab test 2062-68' w/ 5 runs. IFL 300'. FFL 2100'. Rec 9.8 bbls. Final entry rate 1/2 BPH. Rel pkr & plug. Commingle all perms. Made 14 swab runs. IFL 300'. FFL 1200'. Rec 43.4 bbls. Final entry rate 5.2 BPH. GTS within 1/2 hr. TOOH w/ pkr & plug. SI. SDFN. DW: 3695. CW: 318,642.
- 02/18/83 3242' PBTB, making preparations for frac. Haliburton to frac today. DW: 0. CW: 318,642.
- 02/19/83 3242' PBTB, TIH & set pkr @ 2268'. RU Halco. Frac 2362-68', 2426', 28', 2489', 97', w/ 4200 gal 70Q foam pad @ 3150# @ 13.2 BPM, 1200 gal 70Q foam w/ 1 ppg 20/40 sd @ 3300# & 15 BPM, 3600 gal 70Q foam w/ 2 ppg 20/40 sd @ 3760# & 15 BPM, 1800 gal 70Q foam w/ 3 ppg 20/40 sd @ 3370# & 15 BPM, 1200 gal 70Q foam w/ 4 ppg 20/40 sd @ 3070# & 15 BPM. Flush w/ 130 gal 70Q foam @ 3050# & 15 BPM. Total 12,130 gal fluid, 498,330 scf N₂, 62,000# 20/40 sd. ISIP 1970#, 5 min 1940#, 10 min 1930#, 15 min 1930#. Av press 3300#. Begin flowing well back after 1 hr. This AM well flowing 100# on 3/4" ch. Gas wouldn't ignite. DW: 31,721. CW: 350,363.
- 02/20/83 3242' PBTB, well still flowing 100# on 3/4" ch. Gas wouldn't ignite. DW: 0. CW: 318,642.
- 02/21/83 3242' PBTB, this AM gas will burn. Well making 5 BPH. DW: 0. CW: 318,642.
- 02/22/83 3242' PBTB, flow well to tank 4 hrs. Rec 18.2 bbls. Well making intermittent amounts of foam & fluid w/ 2' flare. Swab & flow to tank 7 runs. Rec 38-1/2 bbls. Total rec for day 56.7 bbls. Left well open & SDFN. DW: 1745. CW: 352,108.
- 02/23/83 3242' PBTB, swab & flow well intermittantly. Rec 86 bbls @ 5 PM 2/22/83. Slightly gas cut fluid w/ 2-3' flare. DW: 2325. CW: 354,433.

WELL NAME: Oil Springs Unit #8
AREA: Oil Springs
LOCATION: Section 3, T12S-R24E
COUNTY: Uintah
STATE: Utah
FOOTAGE: 645' FSL & 1283' FEL

PTD: 3300'
ELEVATIONS: 5925' GL
CONTRACTOR: Veco #1
AFE NUMBER: 830544
LSE NUMBER: 94222
TXO WI: 56.25%

02/24/83 3242' PBTD, swab & flow to tank 557 bbls in 11 runs. Rel pkr. ND
BOP. NU wellhead. Model 32-A arrow pkr set @ 2272' w/ 1500#. Swab &
flow to tank additional 7.3 bbls. Total rec 68 bbls. RR @ 5 PM
2/23/83. Drop from report pending further evaluation. DW: 3290.
CW: 352,723.

P
D