TXO

TXO PRODUCTION CORP.
1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264
TELEPHONE (303) 861-4246

RECEIVED
JUL 13 1984
DIVISION OF OIL
GAS & MINING

July 12, 1984

Utah Division of Oil, Gas & Mining
Department of Natural Resources & Energy
4241 State Office Building
Salt Lake City, Utah 84114

Attn: Norm Stout

Re: Ouray Federal #1
Section 1-T6S-R19E
Uintah County, Utah

Gentlemen:

Enclosed please find a copy of the APD for the above referenced well.

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

Very truly yours,

TXO PRODUCTION CORP.

Ivan Urnovitz

R.K.(Ivan) Urnovitz
Environmental Scientist

RKU/gbp

Enclosure/as stated

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [X]

2. NAME OF OPERATOR
TXO Production Corp. Attn: R.K. (Ivan) Urnovitz

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
751' FSL, 590' FWL, Section 1-T6S-R19E
At proposed prod. zone
Same as above
SWSW

5. LEASE DESIGNATION AND SERIAL NO.
U-27036

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

7. UNIT AGREEMENT NAME
- - -

8. FARM OR LEASE NAME
Ouray Federal

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
~~Sand Wash~~ Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 1-T6S-R19E S.L.B.&M.

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 14 miles southwest of Vernal, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
590'

16. NO. OF ACRES IN LEASE
508.84

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.
- - -

19. PROPOSED DEPTH
5400' Green River

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5262' GR

22. APPROX. DATE WORK WILL START*
July 12, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24# K-55	250'	150 sacks
7 7/8"	4 1/2"	10.5# K-55	5400'	150 sacks
	2 3/8"	4.7# (Tubing)	5400'	

All casing will be new

Please refer to attached 9-331C (3160-C) Addendum

RECEIVED
JUL 13 1984
DIVISION OF OIL GAS & MINING

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7/18/84
BY: John R. Baza

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 Ronald E. Dashner TITLE Dist. Drilling Manager DATE June 19, 1984
~~Ronald E. Dashner~~

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

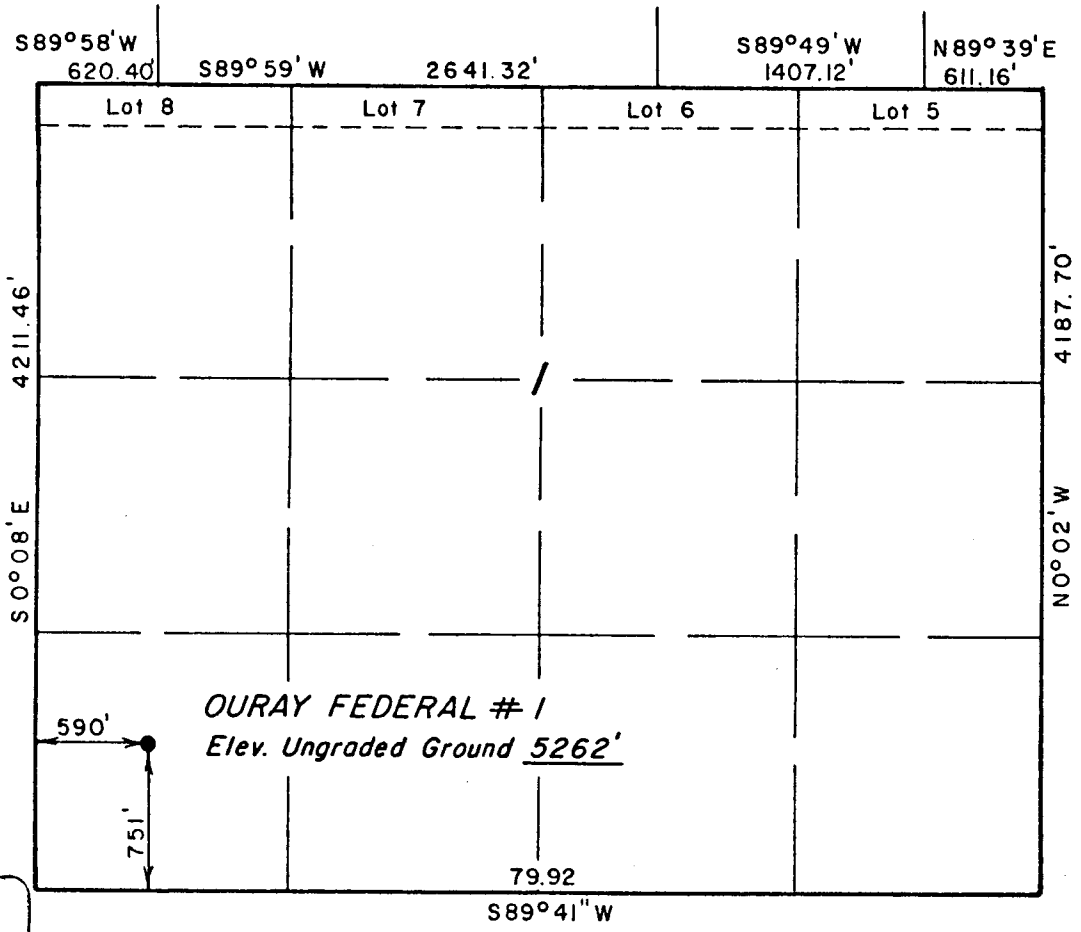
CONDITIONS OF APPROVAL, IF ANY:

PROJECT

TXO PRODUCTION CORP.

Well location, *OURAY FEDERAL* #1, located as shown in the SW 1/4 SW 1/4 Section 1, T6S, R19E, S.L.B. & M., Uintah County, Utah.

T 6 S, R 19 E, S.L.B. & M.



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.

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

Exhibit 2
Survey Plat

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

SCALE 1" = 1000'	DATE 6/7/84
PARTY DA RK DB PT	REFERENCES GLO
WEATHER Fair	FILE TXO

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company TXO Production Corp. Well No. 1

Location Sec. 1 T 6S R 19E Lease No. U-27036

Onsite Inspection Date 6-25-84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

1. Pressure Control Equipment

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notifed, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

2. Casing Program and Auxiliary Equipment

To ensure protection of all fresh water aquifers, the surface string shall be set at ±300'.

Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

3. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

4. Coring, Logging and Testing Program

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

5. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producting status.

Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. THIRTEEN POINT SURFACE USE PLAN

1. Planned Access Roads

a. Width: 30' R/W
b. Drainage: Low water crossing

All travel will be confined to existing access road rights-of-way.

2. Location of Tank Batteries and Production Facilities

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1½ times the storage capacity of the battery.

Tank batteries will be placed on the gas well-refer to APD for gasline routes.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

3. Location and Type of Water Supply

All water needed for drilling purposes will be obtained from the Ouray Valley Canal.

4. Source of Construction Material

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Construction material will be located on lease.

5. Methods of Handling Waste Disposal

The reserve pit may or may not be lined. BLM will be contacted if rocks are present and a determination will then be made.

Burning will not be allowed. All trash must be contained and disposed of by a trash cage and hauled to an approved sanitary landfill.

Produced waste water will be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

6. Ancillary Facilities

Camp facilities will not be required.

7. Well Site Layout

The reserve pit will be located on the south side of location.

The stockpiled topsoil will be stored between points 1 and 8.

Access to the well pad will be from northeast corner of location.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

8. Plans for Restoration of Surface

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage. Also, if broadcast, the seed mixture will be proportionately larger to total 14 pounds per acre.

The following seed mixture will be used:

Stipa comata	1 lb/acre
Agropyron cristatum	1 lb/acre
Poa secunda	1 lb/acre
Kochia prostrata	2 lbs/acre
Atriplex confertifolia	2 lbs/acre
Ceratoides lanata	2 lbs/acre
Total	9 lbs/acre

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

9. Other Information

R/W will be required before construction. Move east side of reserve pit west 75 feet and then move south side of reserve pit 10 feet to the south. Spoils pile will be south of reserve pit. Drainage on southwest corner will be diverted on the west side of the location.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

9-331 C (3160-C) ADDENDUM

Ouray Federal #1
Section 1-T6S-R19E
Uintah County, Utah

1. SURFACE FORMATION: Uinta

2. ESTIMATED FORMATION TOPS:

Uinta	Surface
Uinta "B" Zone	4660'
Green River	5100'
Total Depth	5400'

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

Expected Gas Zones: Uinta "B" Zone 4660'
Green River 5100'

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 1000 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'-3600' Air

3600'-TD Mud at 8.6-9.0#/gal. vis. 30-35 sec. API.
Use of LSND mud may begin before 300' depth is reached if dictated by hole conditions.

7. AUXILIARY EQUIPMENT:

   A. A kelly cock will be kept in the string at all times.

   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 program will consist of the following: DIL-GR from TD to surface pipe, FDC-CNL-GR-CAL from TD to surface pipe.

   C. DST's are planned for zones of interest.

9. ABNORMAL CONDITIONS:

   A. No abnormal pressures or temperatures are expected.

   B. No hazardous gases such as H_2S are expected.

10. ANTICIPATED STARTING DATES:

Start location construction	July 12, 1984
Spud date	July 16, 1984
Complete drilling	August 13, 1984
Completed	August 20, 1984

11. Productive zone(s) 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, if required.

TXO PRODUCTION CORP.

MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: June 14, 1984

WELL NAME: Ouray Federal #1

LOCATION: 590' FWL, 751' FSL, Section 1-T6S-R19E, Uintah County, Utah

LEASE NO.: U-27036

1. EXISTING ROADS

A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 590' FWL, 751' FSL in Section 1-T6S-R19E.

B. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From Vernal, Utah proceed southwest on U.S. Hwy 40 from the Sheraton Inn for 13.8 miles, turn right onto a dirt road between mileposts 129 and 130. Go through a cattleguard and stay left. Go 0.3 mile and turn right on a road leading to an existing well. Go 0.1 mile and turn left onto road to location. The total distance from Vernal to the location is about 14.6 miles.

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: During wet periods some maintenance may be necessary to allow passage by drilling rigs and well servicing vehicles. Dry periods may necessitate watering the roads to control dust.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: An access road, approximately 0.3 mile long, will be constructed in a north-south direction from the existing road to the pad. The proposed road will be 18-20 feet wide with a maximum disturbance width of 30 feet. A small portion of the proposed road, approximately 150 feet in length, will have a grade of about 10%. The remainder of the road will follow a grade of 5% or less. Since the road will cross no drainages, low water crossings will not be constructed on the new access. There will be no cattleguards, gates or cutting of fences. Refer to Exhibit 4. Part of the proposed access road will be on-lease with several hundred feet being off lease on BLM administered surface. An access road right-of-way application has been filed with the Vernal BLM office for the off-lease portion of the access road.

3. LOCATION OF EXISTING WELLS

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

A. Water Wells-None
B. Abandoned Wells-Globe State #1, Section 2-T6S-R19E
C. Temporarily Abandoned Wells - None
D. Disposal Wells-None
E. Drilling Wells-None
F. Producing Wells - None
G. Shut-in Wells-Triumph Federal #2, Section 12-T6S-R19E
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:

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 6.

2. Dimensions of facilities: Refer to Exhibit 6.

3. The production facilities will include a produced water pit, a production unit, and a meter. The pit will be located in cut, 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 and practices.

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.

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

5. LOCATION AND TYPE OF WATER SUPPLY

A. TXO is investigating water sources in the area. As soon as a determination is made, the location of the source will be forwarded to supplement this portion of the MSUOP.

B. Method of transporting water: The water will be hauled in trucks by a certified water hauler along existing roads.

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 stripped to a depth of 6 inches and windrowed off the west end of the pad for later use during rehabilitation on the disturbed areas. Additional material, if needed, will be purchased from the dirt contractor.

B. Identify if from Federal or Indian Land: The affected land is Federal and under the jurisdiction 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 5,825 cubic yards of material will be derived from cuts on location and approximately 558 cubic yards of fill are needed. Refer to Exhibit 7.

D. Show any needed access roads crossing Federal or Indian Lands: A small portion of the proposed access road falls outside the federal lease boundary. Refer to Exhibit 4.

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 fracing fluids will be directed to the reserve pit for evaporation.

D. 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 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 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: 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. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 7.

C. Rig orientation, parking area: Refer to Exhibit 7.

D. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface 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. BLM will be NOTIFIED IF ROCK ENCOUNTERED DURING PIT CONSTRUCTION, SO NEED FOR lining with Bentonite (available on site) CAN be determined.

10. PLANS FOR RESTORATION OF SURFACE

A. Backfilling, leveling, 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 the BLM. If the well is not commercially productive, the entire pad will be reclaimed as described above.

In the event the well is not commercially productive, 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 apearance, control erosion and enhance seed production.

B. Prior to rig release, pits will be fenced and so maintained until clean up can be properly done.

C. If any oil is in the pit, it will be removed or overhead flagging will be installed.

11. OTHER INFORMATION

General description of:

A. Topography, soil characteristics, geologic features, flora, fauna: The well site is located at the base of a short bluff on an approximate slope of 3%. Soil in the area is sandy-clay loam, and vegetative cover is sparse, about 15% or less. Plant species in the area include greasewood, big sagebrush, saltbush, cheat-grass, and various forbs. Fauna in the area include deer, antelope, and various birds and small mammals. No endangered species are known to occur in the area.

B. Other surface-use activities and surface ownership of all involved lands: The primary use of the land is oil and gas production as well as the livestock grazing.

C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: There are no live streams or occupied dwellings in the immediate area. A cultural resource survey will be completed and the results forwarded to the appropriate Resource Area Office of the BLM as soon as possible.

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 Manager
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:

R.K. (Ivan) Urnovitz
Environmental Scientist
TXO Production Corp.
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 665-2365 - Residence

13. CERTIFICATES

The following statement is to be included in the plan and must be signed by the 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: June 18, 1984

RE Dashner

R.E. Dashner
District Drilling Manager

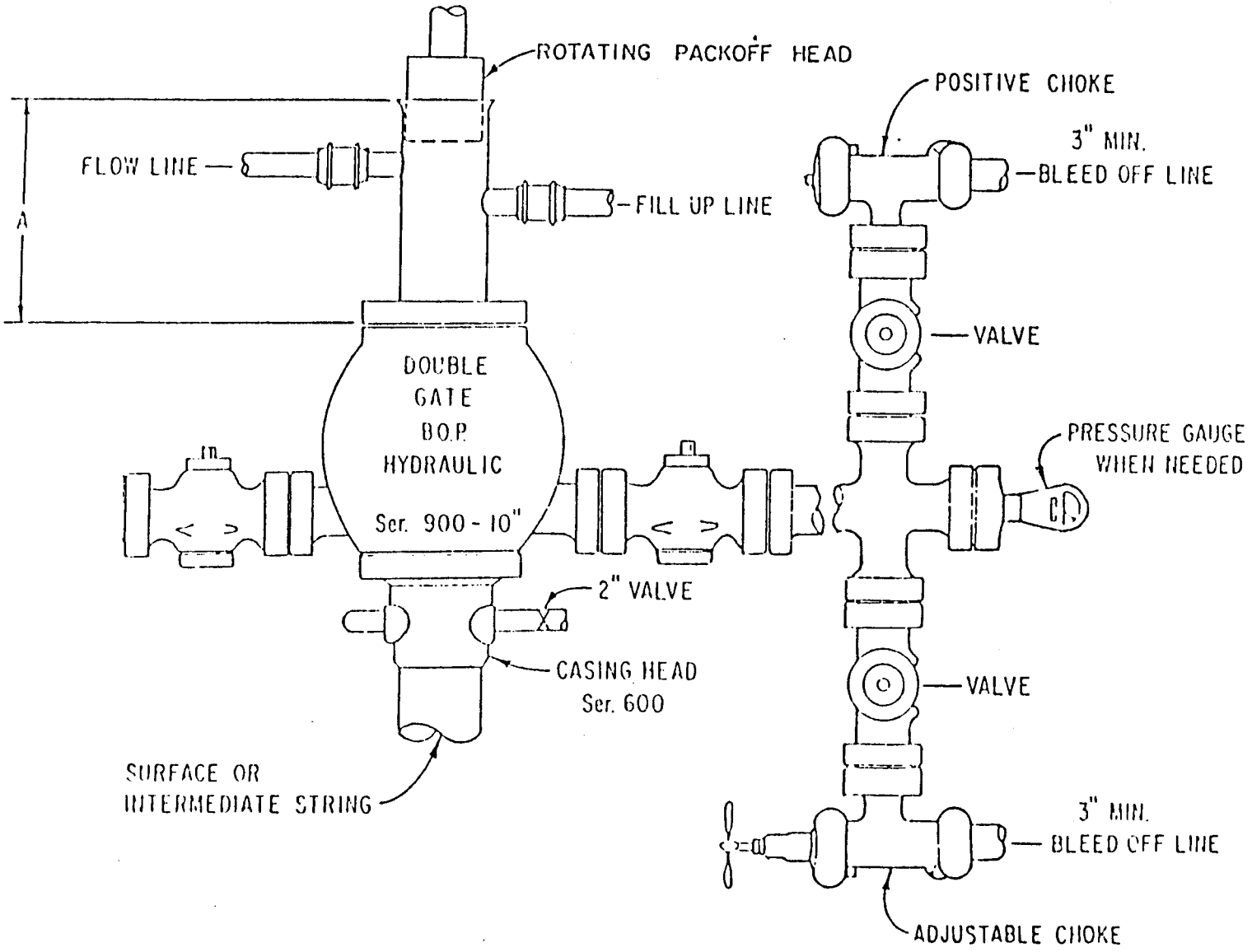
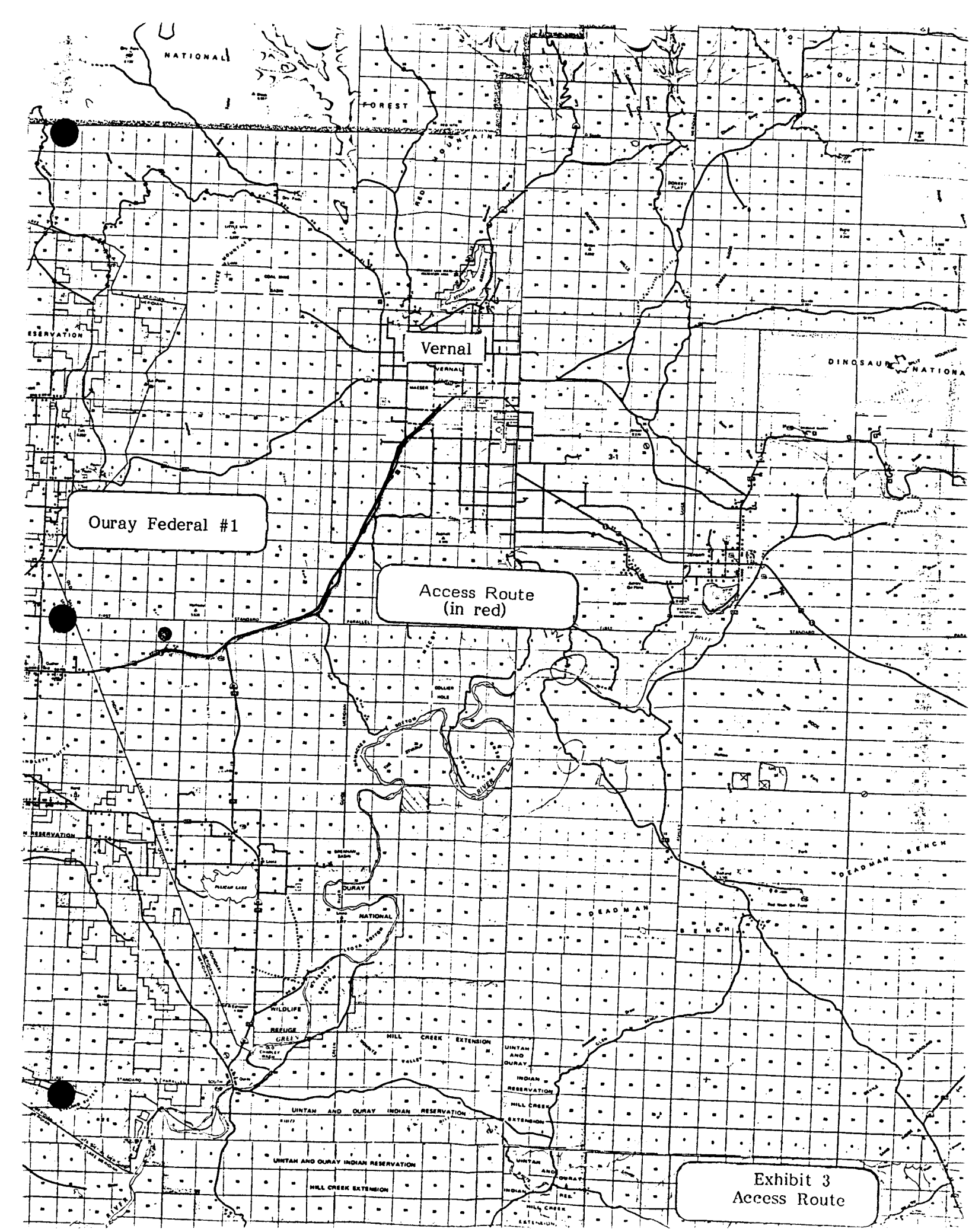
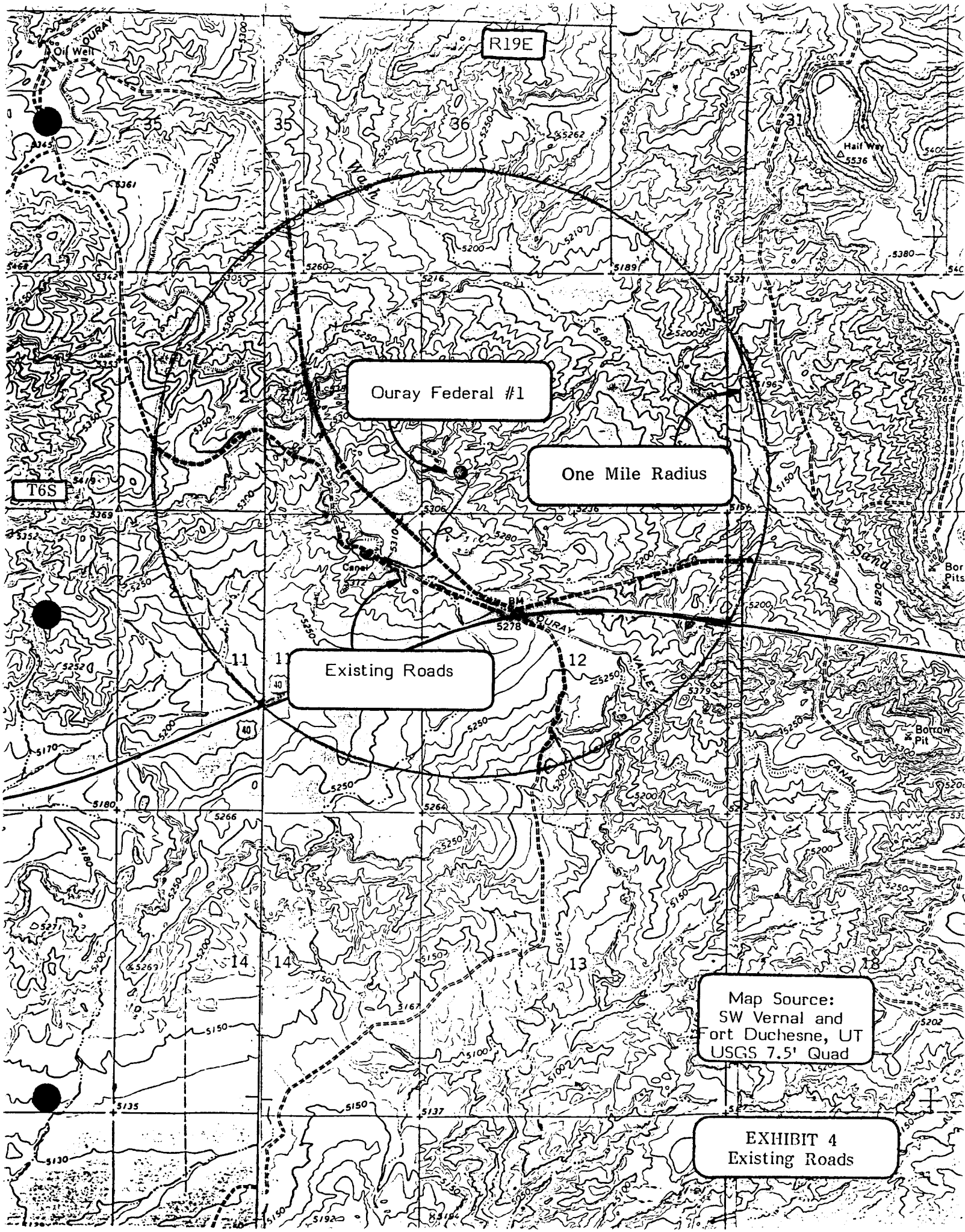
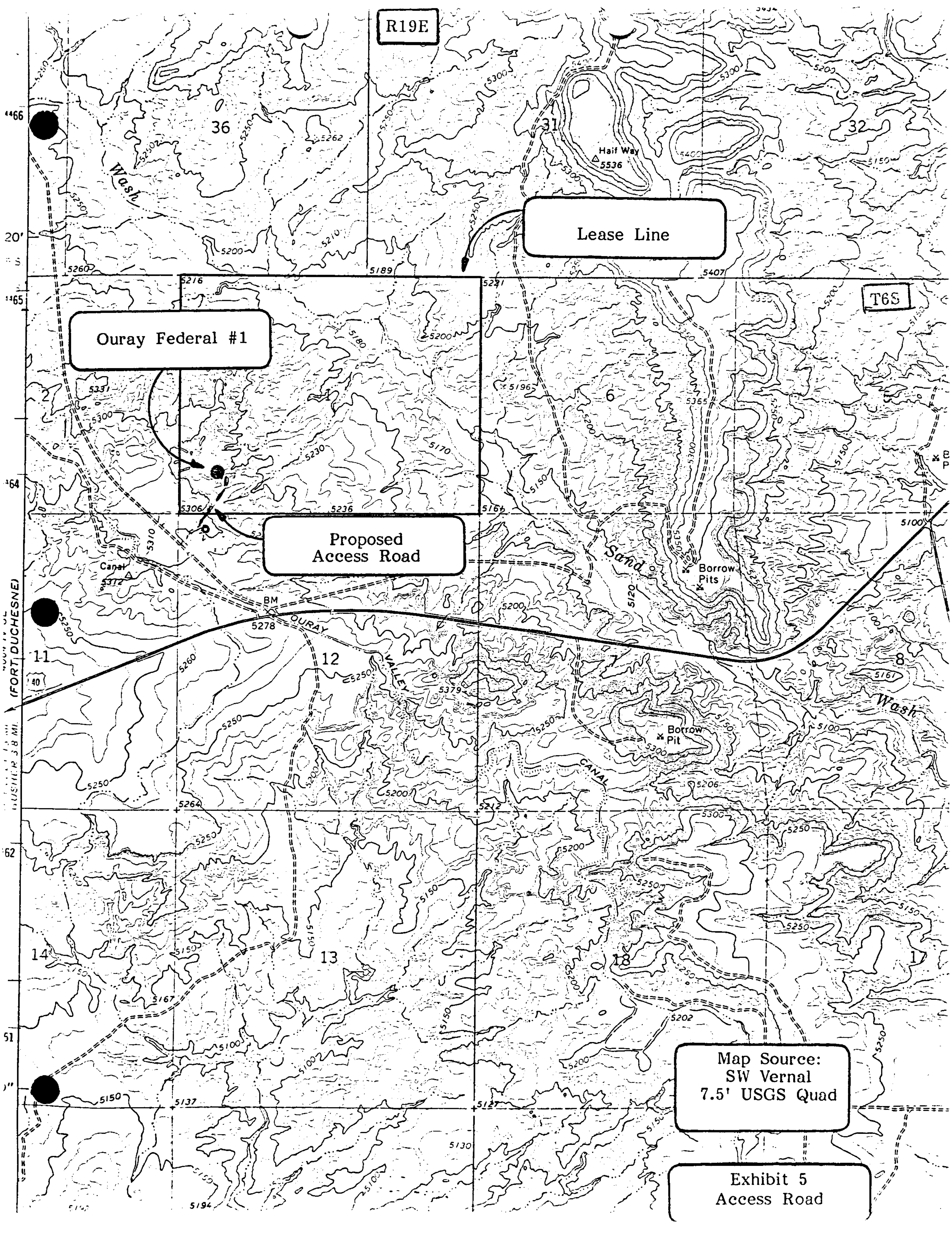


EXHIBIT I

BLOWOUT PREVENTER DIAGRAM


Vernal
Ouray Federal #1
Access Route
(in red)
Exhibit 3
Access Route


R19E
T6S
Ouray Federal #1
One Mile Radius
Existing Roads
Map Source:
SW Vernal and
Fort Duchesne, UT
USGS 7.5' Quad
EXHIBIT 4
Existing Roads


R19E
T6S
Lease Line
Ouray Federal #1
Proposed Access Road
Half Way
Borrow Pits
Borrow Pit
Sand
Wash
Canal
CANAL
OURAY
VALLEY
BM
(FORT DUCHESNE)
Map Source:
SW Vernal
7.5' USGS Quad
Exhibit 5
Access Road

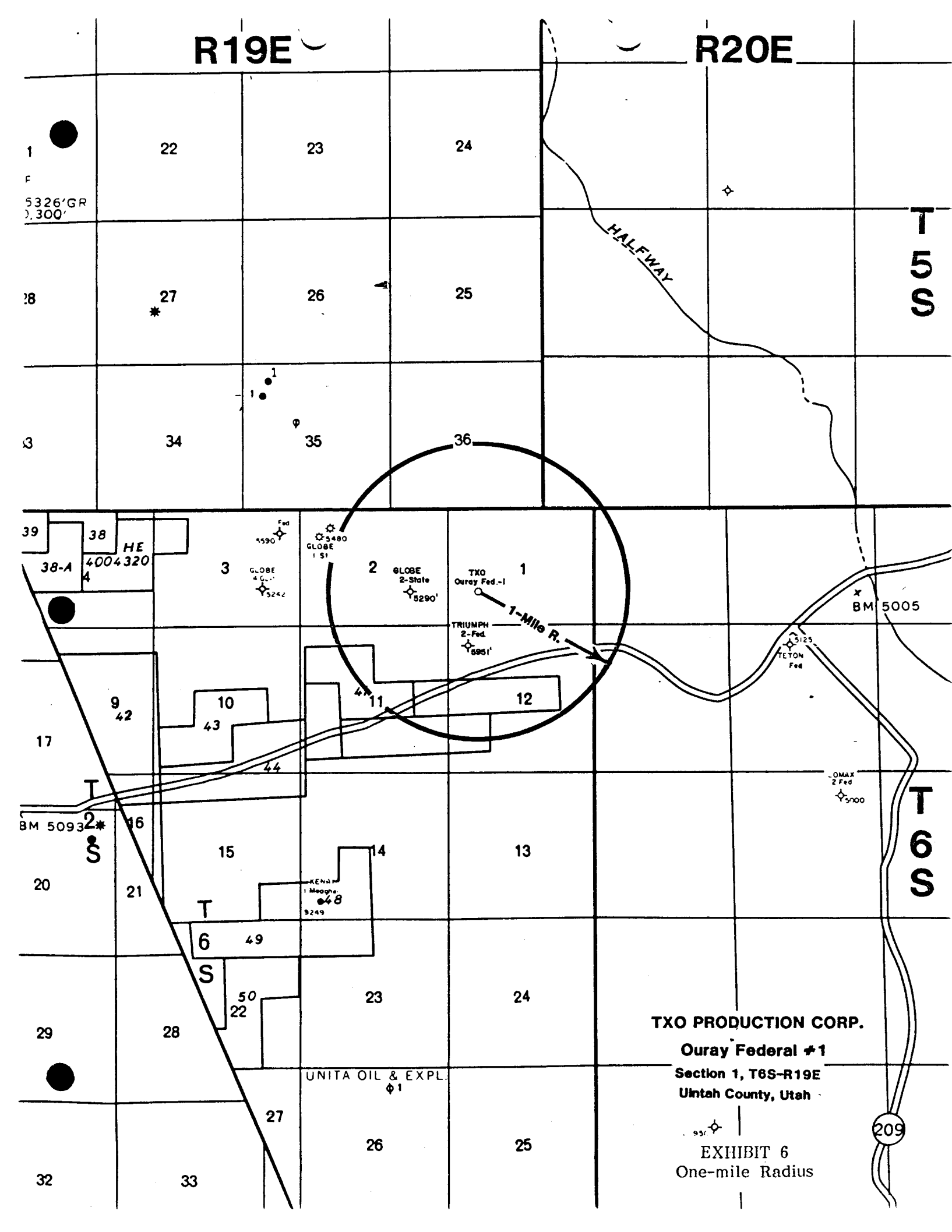
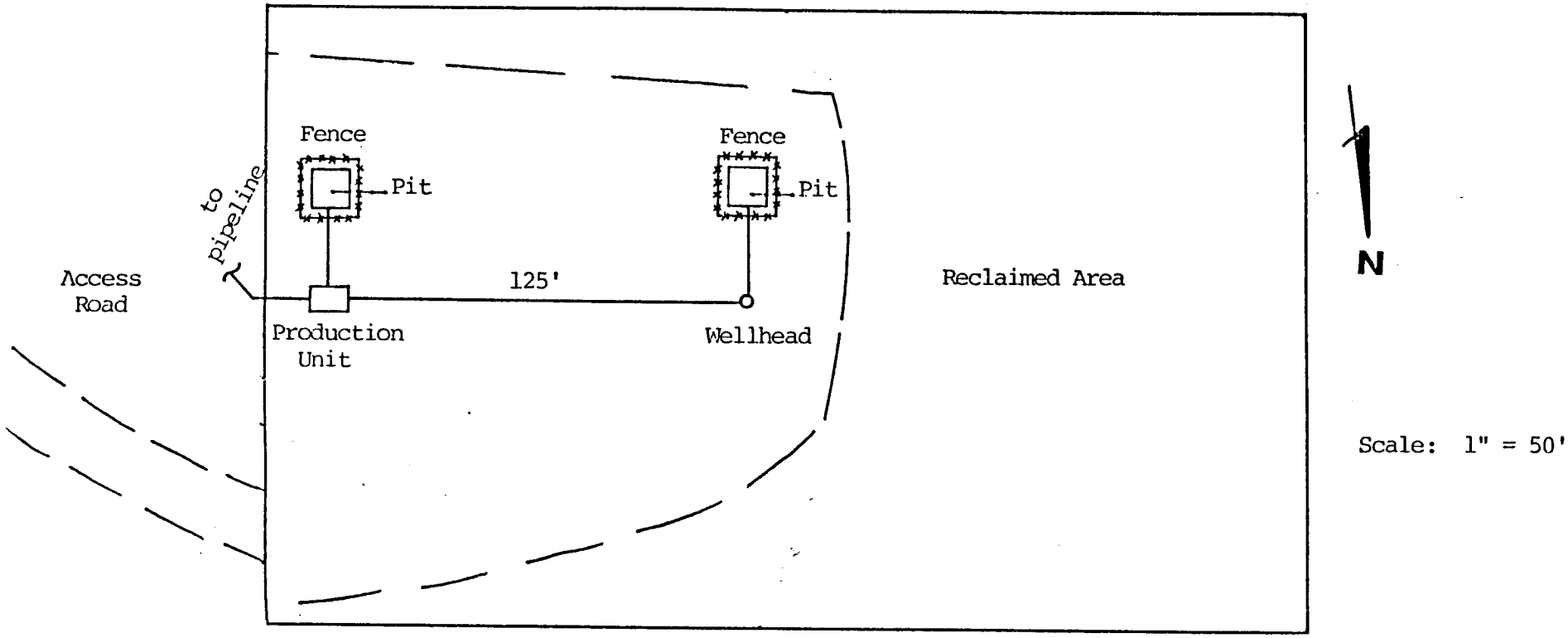


EXHIBIT 6
One-mile Radius



1) Pits will be 10' x 10' x 6' deep and will be surrounded by 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.

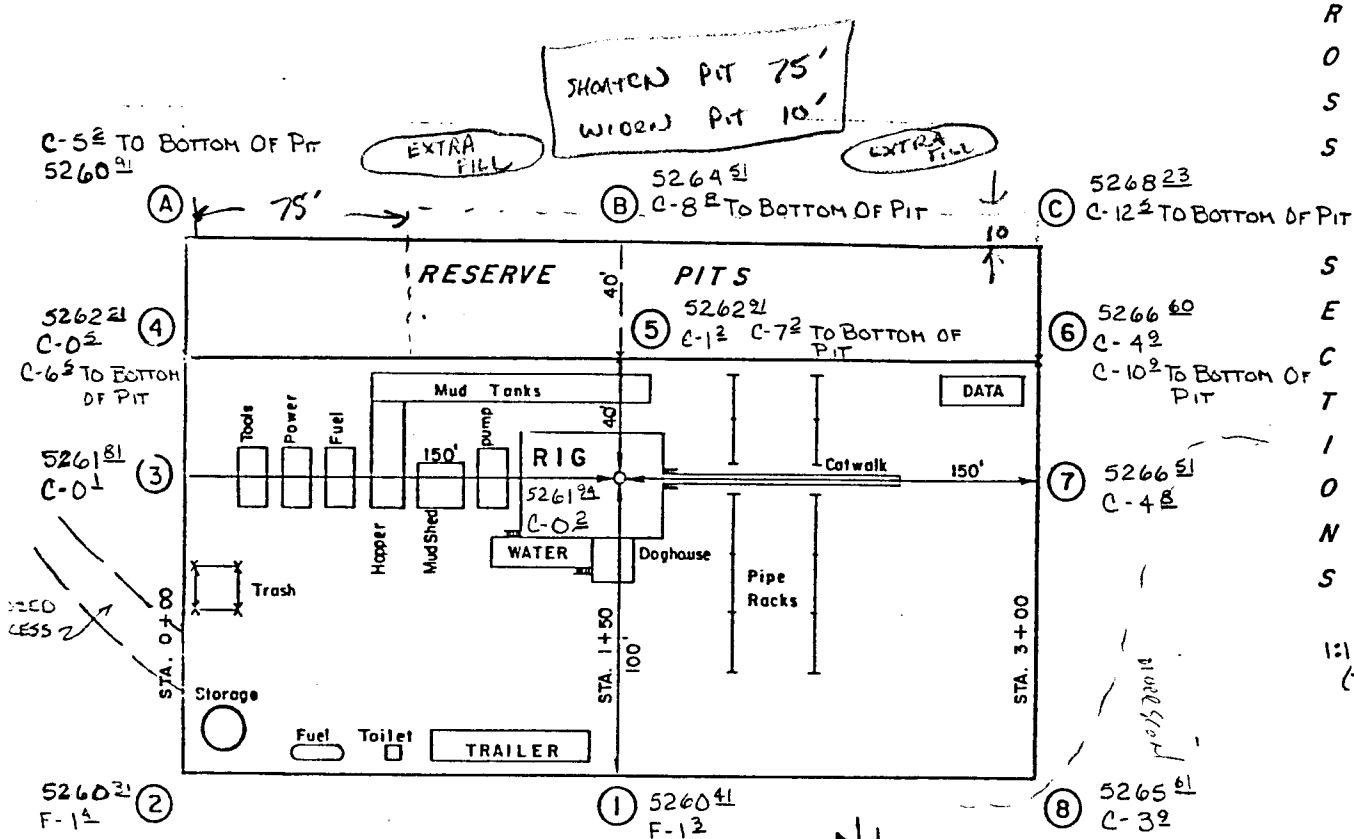
Exhibit 7

Production Facilities

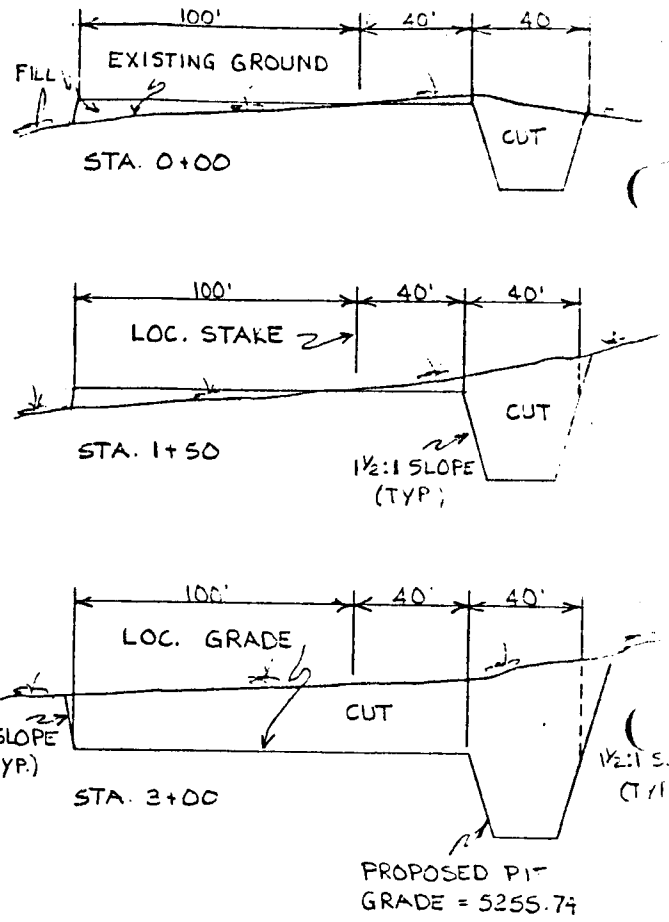
Ouray Federal #1

TXO PRODUCTION CORP

OURAY FEDERAL #1



CROSS SECTIONS



OILS LITHOLOGY

- No Scale -

Light Brown Sandy Clay

SCALE: 1" = 50'
DATE: 6/7/84

Exhibit 7a
Pit and Pad Lay-out

Scales

1" = 10'

1" = 50'

APPROX. YARDAGES

Cubic Yards Cut - 5,825

Exhibit 7b
Cross Sections

OPERATOR TXO Production Corp DATE 7-16-84

WELL NAME Quray Federal #1

SEC SWSW 1 T 6S R 19E COUNTY Uintah

43-047-31514	Fed.
API NUMBER	TYPE OF LEASE

POSTING CHECK OFF:

☐ INDEX	☐ HL	☐
☐ NID	☐ PI	☐
☐ MAP	☐	☐

PROCESSING COMMENTS:

No other wells section 1, Nearest well is Monada State #2 in Sec. 2 (1993' away) — well was never completed.

Needs water permit.

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT ☑ c-3-a 141-1 1/27/71 CAUSE NO. & DATE (for Uinta formation)

☑ c-3-b (for G. River formation) ☐ c-3-c

SPECIAL LANGUAGE:

1 = Water

July 18, 1984

TXO Production Corporation
1800 Lincoln Center Bldg.
Denver, Colorado 80264

RE: Well No. Ouray Federal #1
SWSW Sec. 1, T. 6S, R. 19E
751' FSL, 590' FWL
Uintah County, Utah

Gentlemen:

Approval to drill the above referenced gas well is hereby granted in accordance with Rule C-3 (b) (Green River Formation) General Rules and Regulations and Rules of Practice and Procedure and the Order issued in Cause No. 141-1 (Uinta Formation) dated January 27, 1971, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.

2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.

3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31514.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

RJF/as

cc: Branch of Fluid Minerals

Enclosures

w/ok

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: TXO PRODUCTION CORPORATION

WELL NAME: OURAY FEDERAL #1

SECTION SWSW 1 TOWNSHIP 6S RANGE 19E COUNTY UINTAH

DRILLING CONTRACTOR VECO

RIG # 2

SPUDDED: DATE 7-26-84

TIME 6:30 AM

HOW ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY MARK REPUSKI

TELEPHONE # 303 861-4246

DATE 7-27-84 SIGNED AS

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [X]

2. NAME OF OPERATOR: TXO Production Corp. Attn: R.K. (Ivan) Urnovitz

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: 751' FSL, 590' FWL, Section 1-T6S-R19E
At proposed prod. zone: Same as above

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JUL 27 1984
DIVISION OF OIL GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: U-27036
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: - - -
7. UNIT AGREEMENT NAME: - - -
8. FARM OR LEASE NAME: Ouray Federal
9. WELL NO.: #1
10. FIELD AND POOL, OR WILDCAT: Sand Wash
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 1-T6S-R19E S.L.B.&M.
12. COUNTY OR PARISH: Uintah
13. STATE: Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 14 miles southwest of Vernal, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 590'
16. NO. OF ACRES IN LEASE: 508.84
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.: - - -
19. PROPOSED DEPTH: 5400'
20. ROTARY OR CABLE TOOLS: Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5262' GR
22. APPROX. DATE WORK WILL START*: July 12, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24# K-55	250'	150 sacks
7 7/8"	4 1/2"	10.5# K-55	5400'	150 sacks
	2 3/8"	4.7# (Tubing)	5400'	

All casing will be new

Please refer to attached 9-331C (3160-C) Addendum

JUN 1984
RECEIVED
Vernal, Utah

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 Ronald E. Dashner TITLE Dist. Drilling Manager DATE June 19, 1984
~~Ronald E. Dashner~~

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Ronald A. Jugstad TITLE DISTRICT MANAGER acting DATE 7/15/84

CONDITIONS OF APPROVAL, IF ANY:

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

State O G & M

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
TXO PRODUCTION CORP.

3. ADDRESS OF OPERATOR
1800 Lincoln Cntr. Bldg., Denver, Co. 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 751' FSL & 590' FWL, Sec. 1.
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

5. LEASE
U-27036

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Ouray Federal

9. WELL NO.
#1

10. FIELD OR WILDCAT NAME
Sand Wash

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 1, T6S-R19E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5272' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	☐	☐
FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☐
(other) report of spud		

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AUG 1 1984
DIVISION OF OIL
GAS & MINING

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Operator spudded the above well @ 6:30 AM 7/26/84 with Veco Drilling Rig #2 with a 12-1/4" bit. Verbal notice of spud was given to Jerry Kenczka in Vernal @ the BLM and Arlene Sollis with the State of Utah on 7/27/84.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Paul E Ryaan TITLE Petroleum Engineer DATE 7/27/84

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

TXO

TXO PRODUCTION CORP.
1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

August 2, 1984

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

Attn: Mr. Cleon B. Feight
Director

RE: OURAY FEDERAL #1
Section 1, T6S-R19E
Uintah County, Utah

Gentlemen:

Please be advised that TXO Production Corp. would appreciate having the status of the above referenced well changed to a tight hole.

Sincerely,

TXO PRODUCTION CORP.

Diedre Erin Evans

Diedre Erin Evans
Drilling Secretary

DEE

RECEIVED

AUG 16 1984

DIVISION OF OIL
GAS & MINING

HALLIBURTON
SERVICES

TICKET NO. 74047300
09-AUG-84
VERNAL

FORMATION TESTING SERVICE REPORT

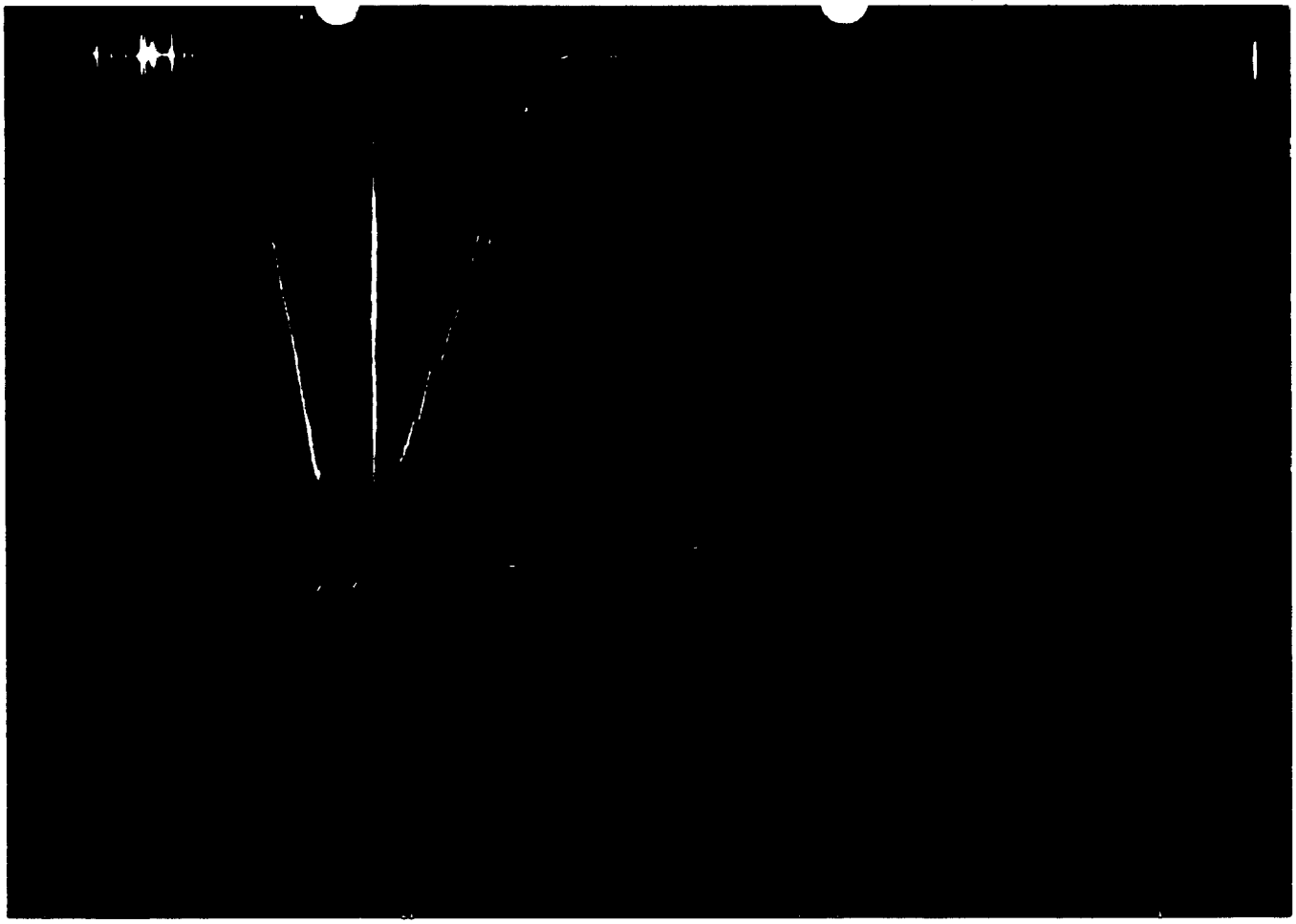
LEGAL LOCATION SEC. - TWP. - RNG.	WELL NO.	TEST NO.	FIELD AREA	COUNTY	STATE
1-6S-19E	1	1	OURAY VALLEY	UINTAH	UTAH

LEASE NAME: OURAY FEDERAL

TESTED INTERVAL

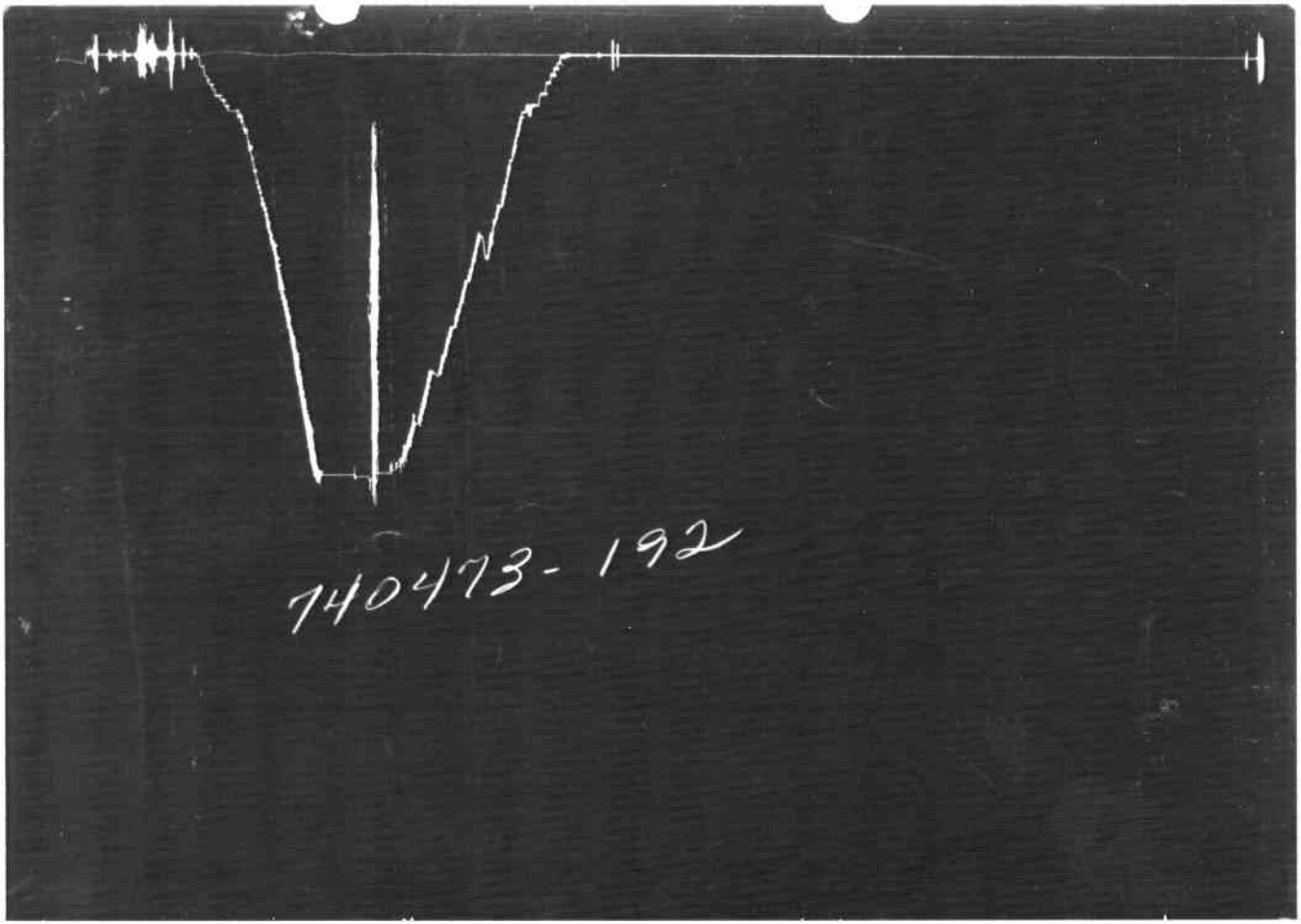
LEASE OWNER/COMPANY NAME: TXO PRODUCTION CORPORATION

IC

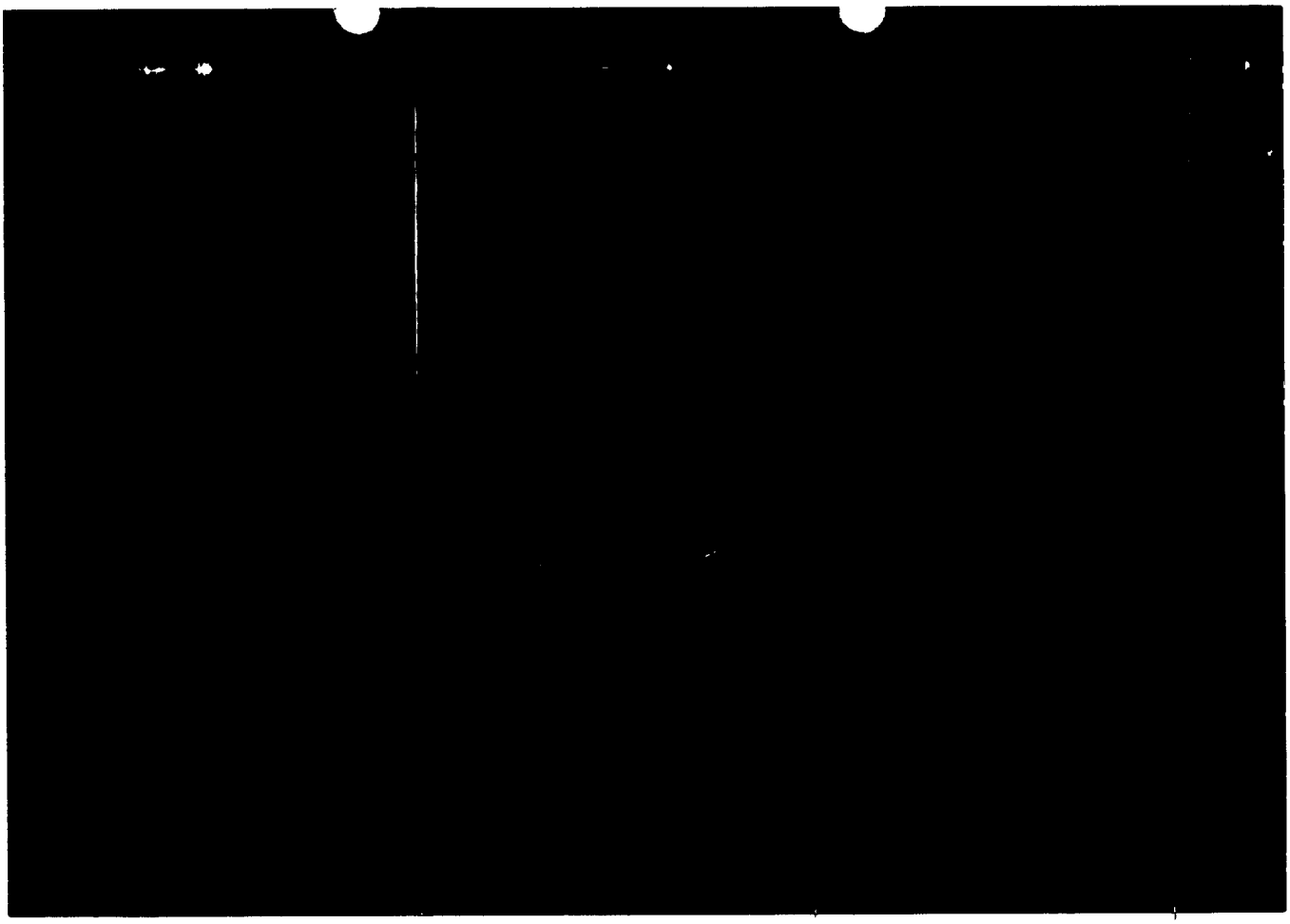


GAUGE NO: 192 DEPTH: _____ BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	FAILED TO REACH BOTTOM					

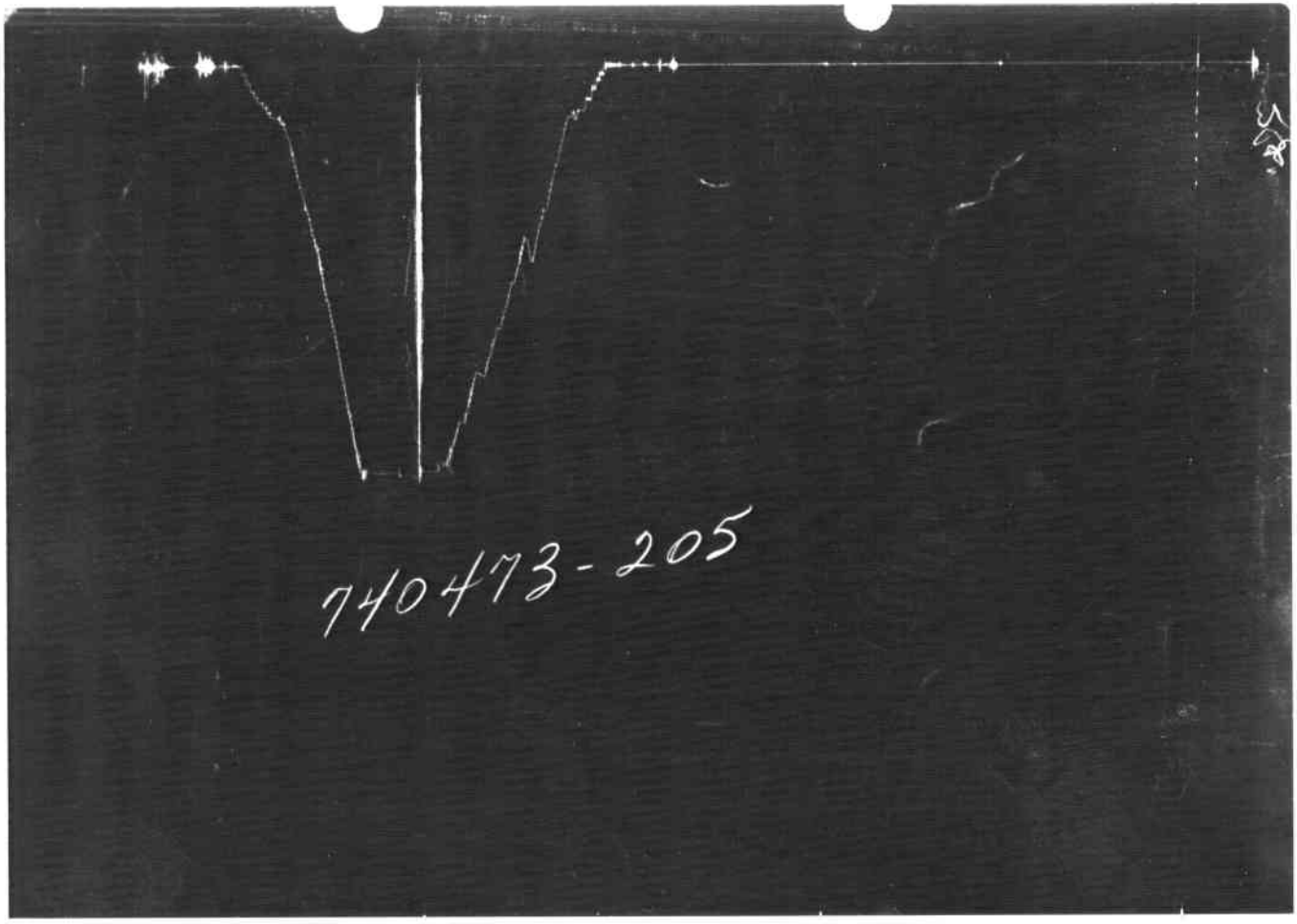


GAUGE NO: 192 DEPTH: BLANKED OFF: YES HOUR OF CLOCK: 21



GAUGE NO: 205 DEPTH: _____ BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	FAILED TO REACH BOTTOM					



GAUGE NO: 205 DEPTH: BLANKED OFF: NO HOUR OF CLOCK: 24

EQUIPMENT & HOLE DATA

FORMATION TESTED: LOWER UINTAH
NET PAY (ft):
GROSS TESTED FOOTAGE:
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 5274
TOTAL DEPTH (ft): 4870.0
PACKER DEPTH(S) (ft):
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 8.80
MUD VISCOSITY (sec): 10
ESTIMATED HOLE TEMP. (°F): 100
ACTUAL HOLE TEMP. (°F): ___ @ ___ ft

TICKET NUMBER: 74047300

DATE: 8-5-84 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: VERNAL

TESTER: CLIFFORD L. RICHARDS

WITNESS: GLEN HODGE

DRILLING CONTRACTOR: VECO DRILLING #2

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm

SAMPLER DATA

Psig AT SURFACE:
cu.ft. OF GAS:
cc OF OIL:
cc OF WATER:
cc OF MUD:
TOTAL LIQUID cc:

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): @ °F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

MEASURED FROM TESTER VALVE

REMARKS:

TESTER REPORTED 35' OF FILL ON BOTTOM.

MISRUN - UNABLE TO REACH BOTTOM OF HOLE WITH TOOL.

CLOCK NUMBER FOR GAUGE #205 WAS NOT REPORTED.

TYPE & SIZE MEASURING DEVICE: _____	TICKET NO: 74047300

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
8-5-84					
0200					CALLED OUT
0600					ON LOCATION
0620					STARTED CLOCKS
0630					PICKED UP TOOLS
0730					TRIPPED IN HOLE
1110					SET UP FLOOR MANIFOLD - RAN
					FLARE LINE - HOOKED UP FLOW
					HEAD
1128					SET PACKER
1131					OPENED TOOL - SLID 25' DOWN
					HOLE - PICKED UP AND STARTED
					OUT OF HOLE
1600					OUT OF HOLE - LAID DOWN TOOLS
1700					JOB COMPLETED

TICKET NO. 74047300

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	3.500	2.900		
3	DRILL COLLARS.....	6.250	2.250	541.4	
50	IMPACT REVERSING SUB.....	6.250	3.000	1.0	
3	DRILL COLLARS.....	6.250	2.250	61.6	
5	CROSSOVER.....	5.750	2.250	1.0	
13	DUAL CIP SAMPLER.....	5.000	0.750	6.8	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	
80	AP RUNNING CASE.....	5.000		4.1	
15	JAR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	2.8	
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	
18	DISTRIBUTOR VALVE.....	5.000	1.680	2.2	
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	
20	FLUSH JOINT ANCHOR.....	5.750	2.870	24.2	
81	BLANKED-OFF RUNNING CASE.....	5.750		4.2	

TOTAL DEPTH 4870.0

EQUIPMENT DATA

RECEIVED

AUG 16 1984

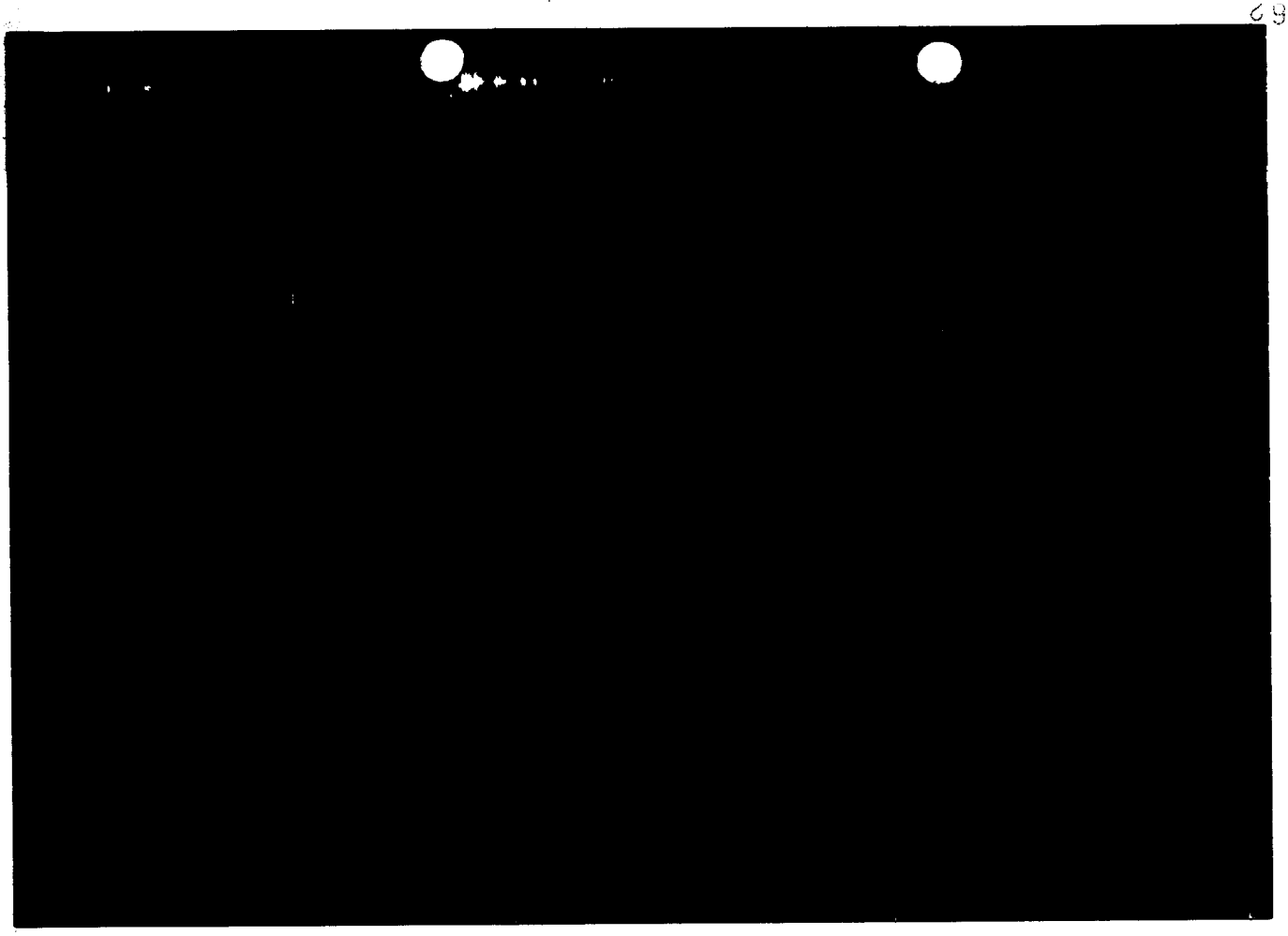
DIVISION OF OIL
GAS & MINING

HALLIBURTON
SERVICES

TICKET NO. 74047400
10-AUG-84
VERNAL

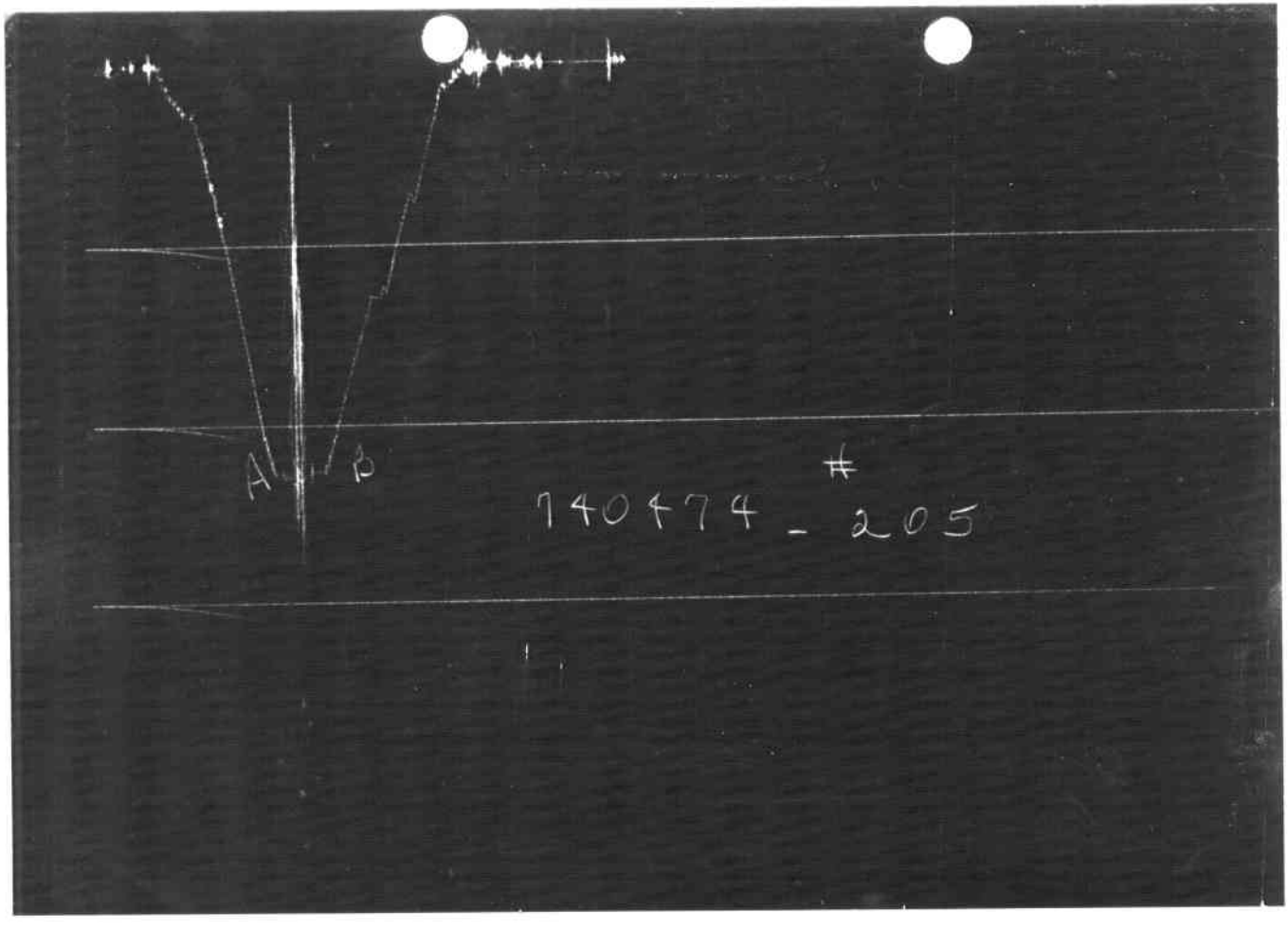
FORMATION TESTING SERVICE REPORT

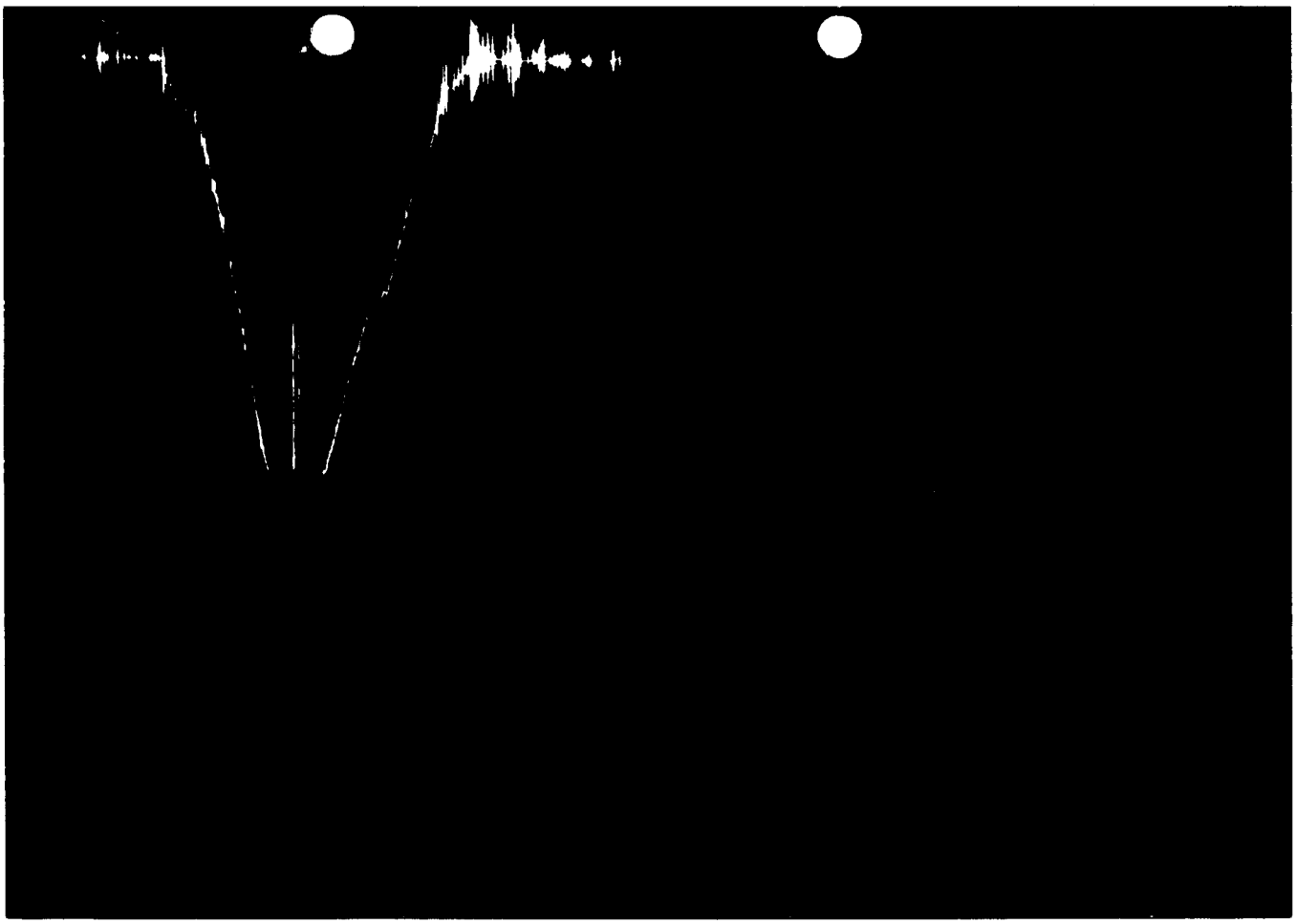
QURAY FEDERAL (LEASE NAME)	1 (WELL NO.)	2 (TEST NO.)	4840.' - 4870.' (TESTED INTERVAL)	T X O PRODUCTION CORPORATION (LEASE OWNER/COMPANY NAME)
LEGAL LOCATION SEC. - TWP. - RNG. SEC. 1 T 6S R 19E	FIELD AREA QURAY VALLEY	COUNTY UINTAH	STATE UTAH	NM



GAUGE NO: 205 DEPTH: 4817.0 BLANKED OFF: NO HOUR OF CLOCK: 24

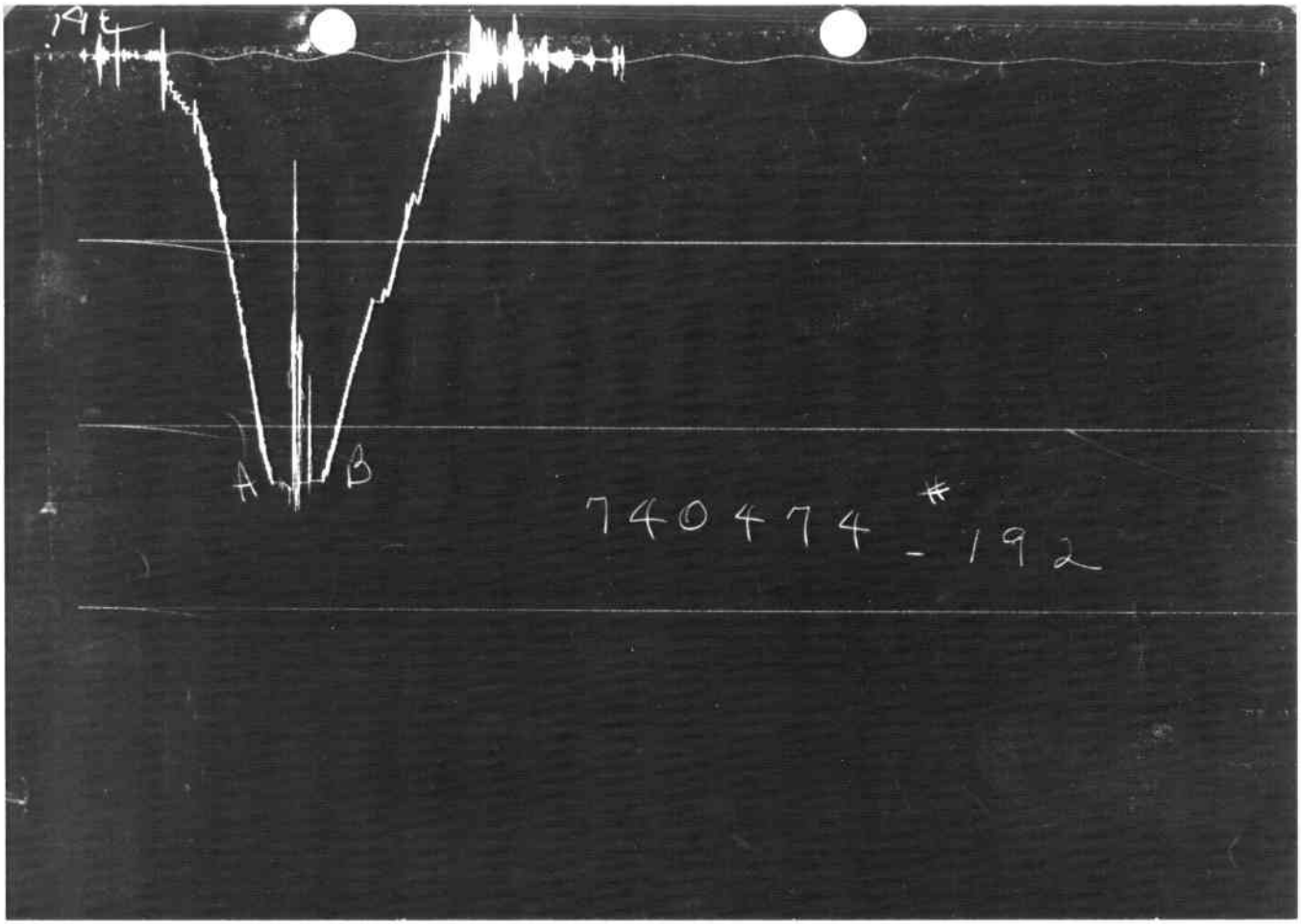
ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2272.2			
B	FINAL HYDROSTATIC		2256.8			


A
B
#
740474 - 205



GAUGE NO: 192 DEPTH: 4867.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2337.1			
B	FINAL HYDROSTATIC		2301.1			



GAUGE NO: 192 DEPTH: 4957.0 BLANKED OFF: YES HOUR OF CLOCK: 21

EQUIPMENT & HOLE DATA

FORMATION TESTED: LOWER UINTAH
NET PAY (ft):
GROSS TESTED FOOTAGE: 30.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 5274
TOTAL DEPTH (ft): 4870.0
PACKER DEPTH(S) (ft): 4832, 4840
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 8.80
MUD VISCOSITY (sec): 52
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): 120 @ _____ ft

TICKET NUMBER: 74047400

DATE: 8-6-84 TEST NO: 2

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: VERNAL

TESTER: CLIFFORD L. RICHARDS

WITNESS:

DRILLING CONTRACTOR:

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm

SAMPLER DATA

Psig AT SURFACE:
cu.ft. OF GAS:
cc OF OIL:
cc OF WATER:
cc OF MUD:
TOTAL LIQUID cc:

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ °F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

MEASURED FROM TESTER VALVE

REMARKS:

MISRUN... NO PACKER SEAT...

TICKET NO. 74047400

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	3.500	2.900	4199.3	
3	DRILL COLLARS.....	6.250	2.250	541.4	
50	IMPACT REVERSING SUB.....	6.250	3.000	1.0	4741.0
3	DRILL COLLARS.....	6.250	2.250	61.6	
5	CROSSOVER.....	5.750	2.250	1.0	
13	DUAL CIP SAMPLER.....	5.000	0.750	6.8	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	4815.0
80	AP RUNNING CASE.....	5.000	2.250	4.1	4817.0
15	JAR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	2.8	
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	4832.0
18	DISTRIBUTOR VALVE.....	5.000	1.680	2.2	
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	4840.0
20	FLUSH JOINT ANCHOR.....	5.750	2.870	24.2	
81	BLANKED-OFF RUNNING CASE.....	5.750		4.2	4867.0

TOTAL DEPTH 4870.0

EQUIPMENT DATA

TYPE & SIZE MEASURING DEVICE:					TICKET NO: 74047400
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
8-6-84					
1000					CALLED OUT.
1030					ON LOCATION.
1130					STARTED OPERATION - (PICKED
					UP THE TOOLS.)
1215					TRIP IN THE HOLE.
1523					SET PACKER.
1528					TOOL OPENED - NO PACKER SEAT.
1538					TRIP OUT OF THE HOLE.
1930					BROKE DOWN THE TOOL AND LOADED
					OUT.
2030					JOB COMPLETE.

LEASE NAME	WELL NO.	TEST NO.
OURAY FEDERAL	1	3

LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	TESTED INTERVAL
1-6S-19E	OURAY VALLEY	5017.' - 5046.'

COUNTY	STATE
UINTAH	UTAH

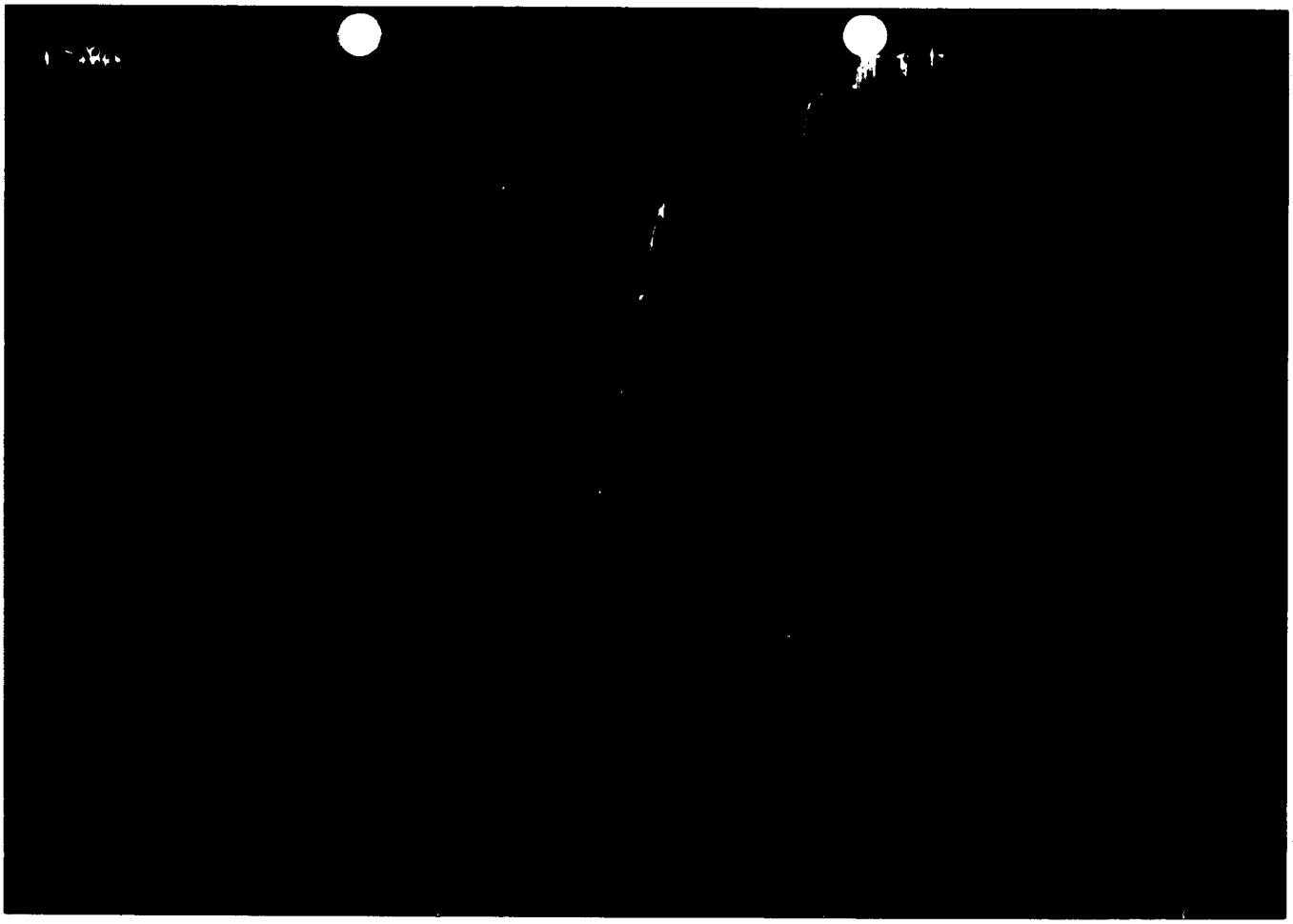
LEASE OWNER/COMPANY NAME: TXO PRODUCTION CORPORATION

IC

HALLIBURTON
SERVICES

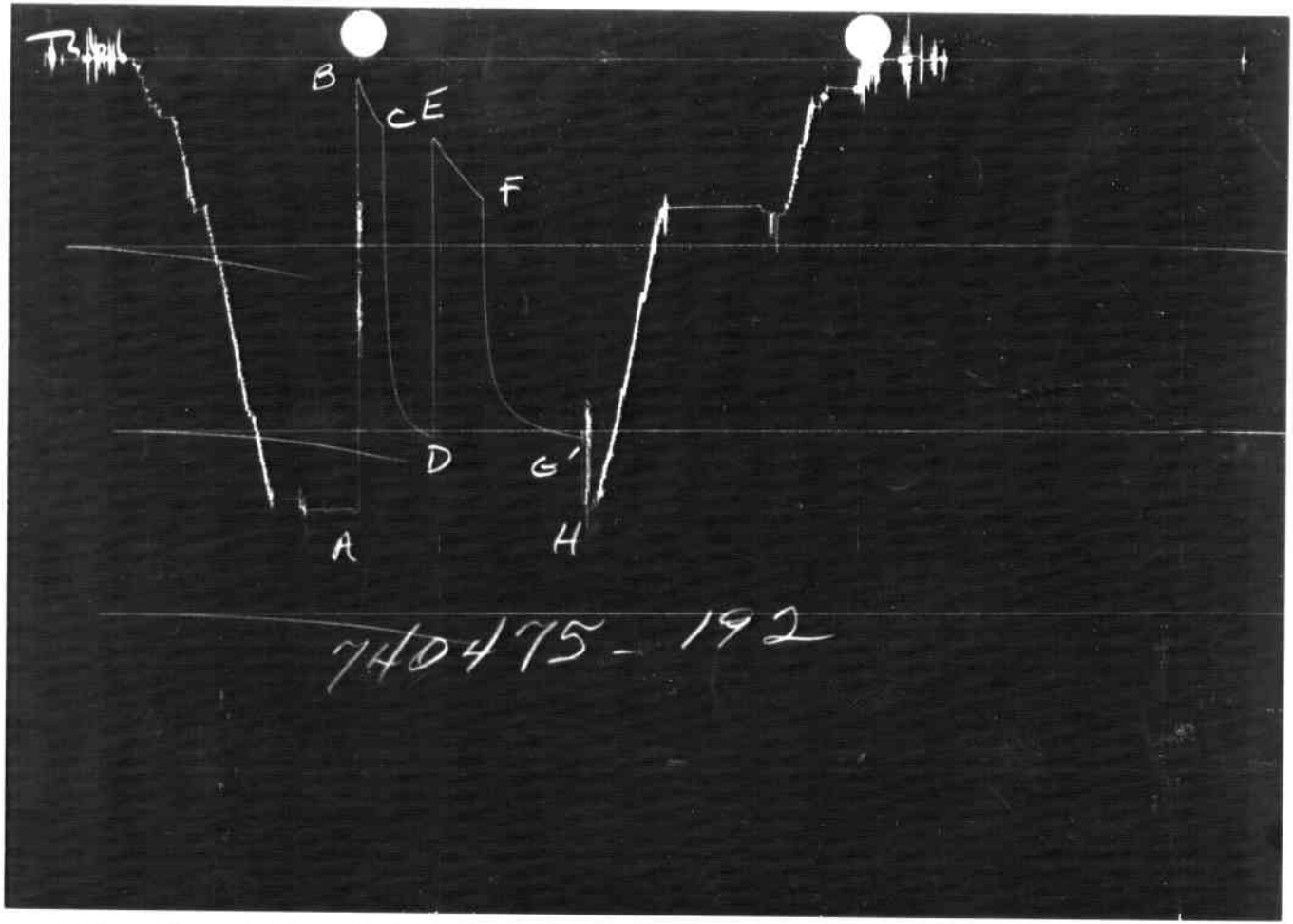
TICKET NO. 74047500
14-AUG-84
VERNAL

FORMATION TESTING SERVICE REPORT

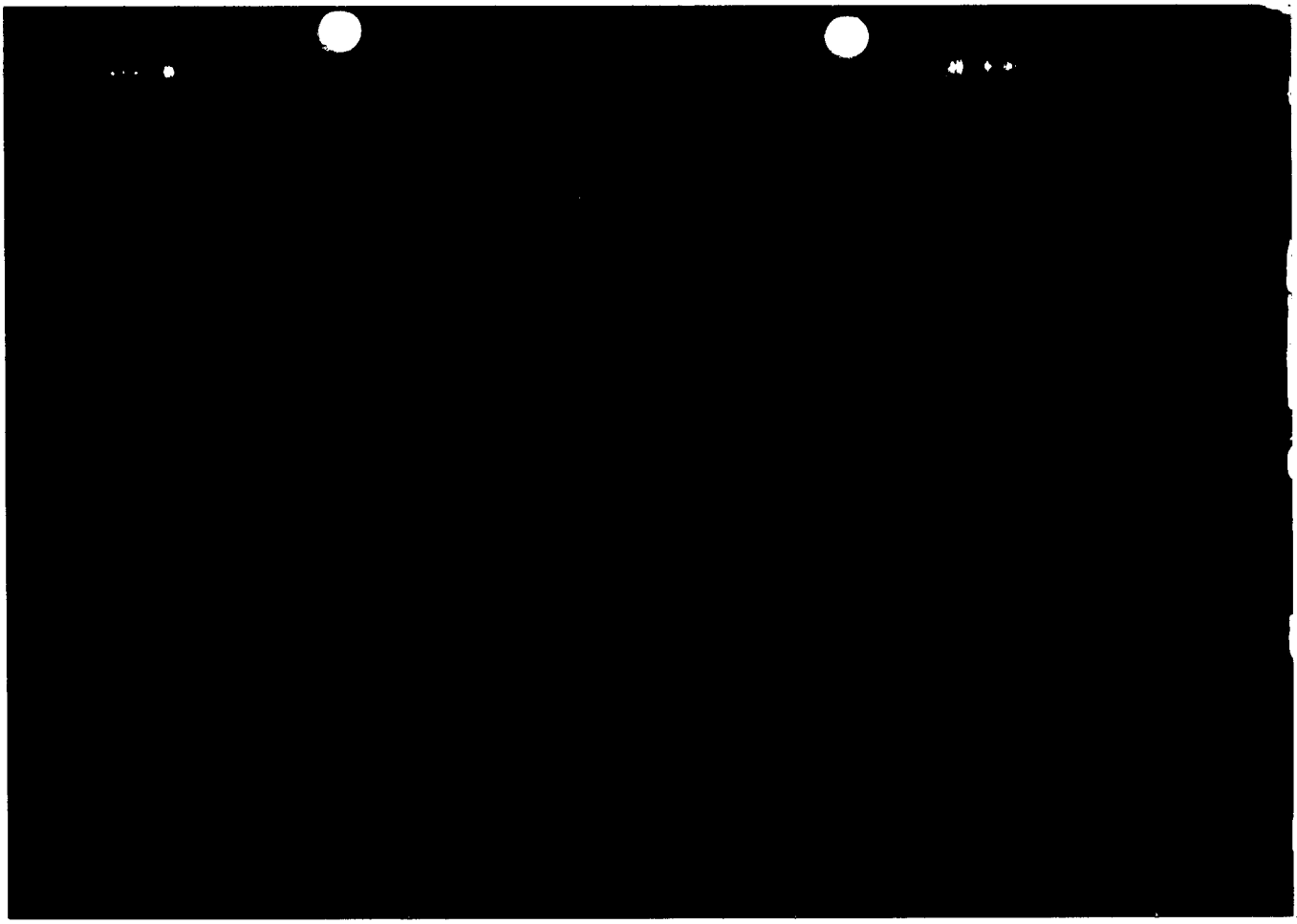


GAUGE NO: 192 DEPTH: 5043.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2364	2424.5			
B	INITIAL FIRST FLOW	81	108.3	30.0	30.7	F
C	FINAL FIRST FLOW	338	360.3			
C	INITIAL FIRST CLOSED-IN	338	360.3	60.0	59.6	C
D	FINAL FIRST CLOSED-IN	2025	2031.2			
E	INITIAL SECOND FLOW	405	420.1	60.0	60.3	F
F	FINAL SECOND FLOW	729	743.6			
F	INITIAL SECOND CLOSED-IN	729	743.6	120.0	119.4	C
G	FINAL SECOND CLOSED-IN	2025	2029.8			
H	FINAL HYDROSTATIC	2337	2419.4			

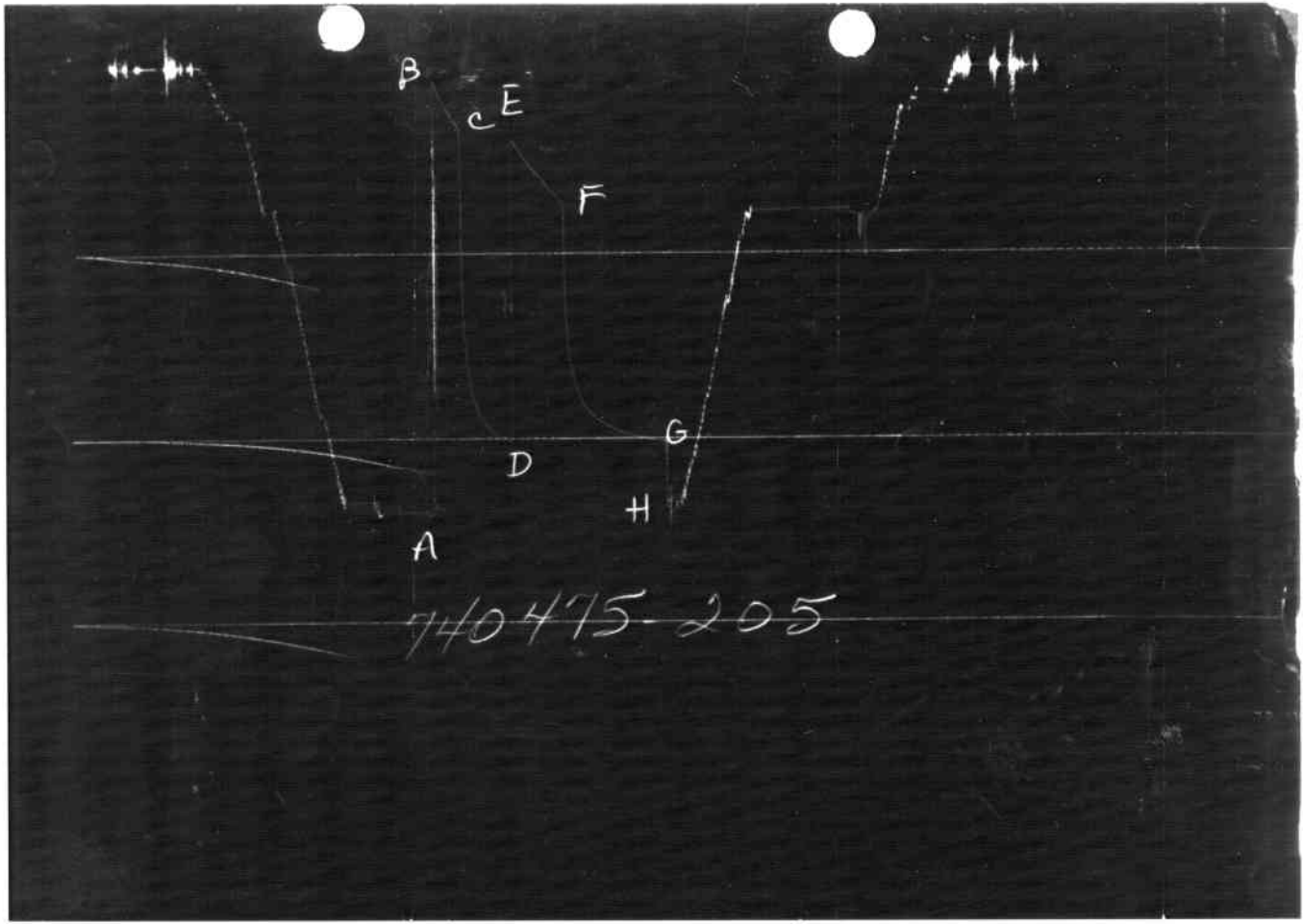


GAUGE NO: 192 DEPTH: 5043.0 BLANKED OFF: YES HOUR OF CLOCK: 24



GAUGE NO: 205 DEPTH: 4994.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2328	2397.8			
B	INITIAL FIRST FLOW	54	78.4	30.0	30.7	F
C	FINAL FIRST FLOW	343	329.7			
C	INITIAL FIRST CLOSED-IN	343	329.7	60.0	59.6	C
D	FINAL FIRST CLOSED-IN	1997	2010.2			
E	INITIAL SECOND FLOW	342	388.3	60.0	60.3	F
F	FINAL SECOND FLOW	697	725.1			
F	INITIAL SECOND CLOSED-IN	697	725.1	120.0	119.4	C
G	FINAL SECOND CLOSED-IN	1983	2012.5			
H	FINAL HYDROSTATIC	2315	2391.6			



GAUGE NO: 205 DEPTH: 4994.0 PLANKED OFF: NO HOUR OF CLOCK: 24

EQUIPMENT & HOLE DATA

FORMATION TESTED: UINTAH
NET PAY (ft): 12.0
GROSS TESTED FOOTAGE: 29.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 5274
TOTAL DEPTH (ft): 5046.0
PACKER DEPTH(S) (ft): 5009, 5017
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 8.90
MUD VISCOSITY (sec): 51
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): 108 @ 5042.0 ft

TICKET NUMBER: 74047500

DATE: 8-8-84 TEST NO: 3

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: VERNAL

TESTER: CLIFFORD L. RICHARDS

WITNESS: GLENN HODGE

DRILLING CONTRACTOR: VERCO DRILLING #2

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY		CHLORIDES
PIT	7.800 @ 80 °F		300 ppm
DRILL PIPE WATER	2.300 @ 92 °F		2100 ppm
SAMPLER WATER	2.300 @ 91 °F		2100 ppm
	@ °F		ppm
	@ °F		ppm
	@ °F		ppm

SAMPLER DATA

Psig AT SURFACE: 1000
cu.ft. OF GAS: 0.54
cc OF OIL: 300
cc OF WATER: 1750
cc OF MUD: 0
TOTAL LIQUID cc: 2050

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 15.0 @ 60°F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

1595 FEET OF FLUID
TOP - OIL, GAS CUT
MIDDLE - MUD
BOTTOM - WATER

MEASURED FROM TESTER VALVE

REMARKS:

REVERSED OUT RECOVERY.

TYPE & SIZE MEASURING DEVICE: _____					TICKET NO: 74047500
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
8-7-84					
2200					CALLED OUT
2400					ON LOCATION-STARTED CLOCKS
8-8-84					
0015	.25				PICKED UP TOOLS
0130					TRIPPED IN HOLE
0607					SET PACKERS
0614					OPENED TOOL WITH 1/4" BLOW
0615					7" BLOW IN 5 GALLON BUCKET OF
					WATER
0620		20 OZ.			
0628		1.25#			
0635		19 OZ.			
0644		21 OZ.			CLOSED TOOL
0744		3 OZ.			OPENED TOOL
0749		5 OZ.			
0750		3 OZ.			
0753		1 OZ.			
0755		1 OZ.			
0810		1.5 OZ.			GAS TO SURFACE
0820		2 OZ.			
0830		1 OZ.			
0840		2.5 OZ.			
0844		2.5 OZ.			CLOSED TOOL
1044					FINISHED CLOSED IN PRESSURE
1045					PULLED LOOSE
1050					TRIPPED OUT OF HOLE
1400					REVERSED OUT
1500					TRIPPED OUT
1730					OUT OF HOLE
1735					DRAINED SAMPLER-LOADED OUT
1900					JOB COMPLETED

TICKET NO: 74047500

CLOCK NO: 11654 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 205

DEPTH: 4994.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	78.4			
	2	2.0	83.9	5.5		
	3	4.0	114.0	30.1		
	4	6.0	140.7	26.7		
	5	8.0	162.6	21.9		
	6	10.0	177.0	14.4		
	7	12.0	195.7	18.6		
	8	14.0	212.5	16.9		
	9	16.0	225.8	13.3		
	10	18.0	241.4	15.6		
	11	20.0	255.1	13.7		
	12	22.0	269.6	14.5		
	13	24.0	284.6	14.9		
	14	26.0	296.8	12.2		
	15	28.0	309.2	12.5		
C	16	30.7	329.7	20.4		
			FIRST CLOSED-IN			
C	1	0.0	329.7			
	2	1.0	821.6	492.0	1.0	1.494
	3	2.0	1112.8	783.1	1.9	1.206
	4	3.0	1258.6	928.9	2.7	1.051
	5	4.0	1370.5	1040.9	3.5	0.940
	6	5.0	1457.4	1127.7	4.3	0.856
	7	6.0	1506.0	1176.4	5.0	0.787
	8	7.0	1556.7	1227.1	5.7	0.729
	9	8.0	1600.1	1270.5	6.3	0.685
	10	9.0	1636.7	1307.0	7.0	0.643
	11	10.0	1666.6	1337.0	7.5	0.610
	12	12.0	1723.1	1393.4	8.6	0.551
	13	14.0	1762.1	1432.5	9.6	0.504
	14	16.0	1793.7	1464.1	10.5	0.464
	15	18.0	1821.3	1491.7	11.3	0.432
	16	20.0	1846.7	1517.1	12.1	0.403
	17	22.0	1865.8	1536.2	12.8	0.379
	18	24.0	1881.8	1552.1	13.5	0.358
	19	26.0	1897.4	1567.8	14.1	0.338
	20	28.0	1908.4	1578.8	14.6	0.321
	21	30.0	1920.1	1590.5	15.2	0.306
	22	35.0	1942.9	1613.3	16.3	0.273
	23	40.0	1964.2	1634.6	17.4	0.247
	24	45.0	1979.9	1650.2	18.2	0.226
	25	50.0	1993.2	1663.5	19.0	0.208
	26	55.0	2004.6	1675.0	19.7	0.192
D	27	59.6	2010.2	1680.5	20.2	0.180
			SECOND FLOW			
E	1	0.0	388.3			

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			SECOND FLOW - CONTINUED			
	2	4.0	399.3	11.0		
	3	8.0	432.1	32.8		
	4	12.0	461.0	28.9		
	5	16.0	491.1	30.2		
	6	20.0	512.4	21.3		
	7	24.0	535.9	23.5		
	8	28.0	557.3	21.3		
	9	32.0	578.2	20.9		
	10	36.0	600.8	22.6		
	11	40.0	625.1	24.3		
	12	44.0	650.3	25.2		
	13	48.0	669.5	19.2		
	14	52.0	686.9	17.4		
	15	56.0	702.8	15.9		
F	16	60.3	725.1	22.3		
			SECOND CLOSED-IN			
F	1	0.0	725.1			
	2	1.0	1137.0	411.9	1.0	1.971
	3	2.0	1281.0	555.9	1.9	1.675
	4	3.0	1381.5	656.4	2.9	1.503
	5	4.0	1455.5	730.4	3.8	1.376
	6	5.0	1498.7	773.6	4.7	1.285
	7	6.0	1539.0	813.9	5.6	1.207
	8	7.0	1572.9	847.8	6.5	1.144
	9	8.0	1603.6	878.5	7.3	1.093
	10	9.0	1626.7	901.6	8.2	1.044
	11	10.0	1647.6	922.5	9.0	1.006
	12	12.0	1685.0	959.9	10.6	0.934
	13	14.0	1719.3	994.2	12.1	0.875
	14	16.0	1745.0	1019.9	13.6	0.825
	15	18.0	1765.7	1040.6	15.0	0.782
	16	20.0	1784.9	1059.8	16.4	0.744
	17	22.0	1802.1	1077.0	17.7	0.711
	18	24.0	1815.2	1090.1	19.0	0.681
	19	26.0	1828.6	1103.5	20.3	0.653
	20	28.0	1841.7	1116.6	21.4	0.628
	21	30.0	1853.5	1128.4	22.6	0.605
	22	35.0	1875.4	1150.3	25.3	0.556
	23	40.0	1892.7	1167.6	27.8	0.515
	24	45.0	1908.8	1183.7	30.1	0.480
	25	50.0	1922.8	1197.7	32.3	0.450
	26	55.0	1933.9	1208.8	34.3	0.424
	27	60.0	1944.2	1219.2	36.2	0.401
	28	70.0	1962.8	1237.7	39.6	0.362
	29	80.0	1978.1	1253.0	42.6	0.330
	30	90.0	1989.6	1264.5	45.2	0.303
	31	100.0	1998.6	1273.5	47.6	0.281
	32	110.0	2006.8	1281.7	49.8	0.262
G	33	119.4	2012.5	1287.4	51.7	0.246

REMARKS:

TICKET NO: 74047500

CLOCK NO: 2786 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 192

DEPTH: 5043.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	108.3			
	2	2.0	110.2	1.9		
	3	4.0	138.9	28.7		
	4	6.0	164.4	25.5		
	5	8.0	188.5	24.1		
	6	10.0	203.8	15.3		
	7	12.0	225.2	21.5		
	8	14.0	243.5	18.2		
	9	16.0	260.0	16.5		
	10	18.0	276.7	16.8		
	11	20.0	293.5	16.8		
	12	22.0	307.2	13.7		
	13	24.0	321.2	14.1		
	14	26.0	333.4	12.2		
	15	28.0	344.9	11.5		
C	16	30.7	360.3	15.4		
			FIRST CLOSED-IN			
C	1	0.0	360.3			
	2	1.0	812.2	451.9	1.0	1.490
	3	2.0	1082.2	721.9	1.8	1.221
	4	3.0	1218.8	858.5	2.7	1.052
	5	4.0	1349.1	988.8	3.5	0.943
	6	5.0	1436.3	1076.0	4.3	0.853
	7	6.0	1506.7	1146.4	5.0	0.786
	8	7.0	1559.4	1199.2	5.7	0.730
	9	8.0	1610.8	1250.5	6.3	0.685
	10	9.0	1646.3	1286.1	7.0	0.642
	11	10.0	1680.3	1320.0	7.5	0.609
	12	12.0	1741.2	1380.9	8.6	0.550
	13	14.0	1782.3	1422.0	9.6	0.504
	14	16.0	1816.8	1456.5	10.5	0.465
	15	18.0	1846.0	1485.7	11.4	0.431
	16	20.0	1870.2	1509.9	12.1	0.404
	17	22.0	1889.1	1528.8	12.8	0.379
	18	24.0	1904.1	1543.8	13.5	0.358
	19	26.0	1919.0	1558.7	14.1	0.339
	20	28.0	1930.8	1570.6	14.6	0.321
	21	30.0	1942.5	1582.2	15.2	0.306
	22	35.0	1967.2	1606.9	16.3	0.273
	23	40.0	1985.7	1625.5	17.3	0.247
	24	45.0	2002.1	1641.8	18.2	0.226
	25	50.0	2015.0	1654.7	19.0	0.208
	26	55.0	2023.7	1663.4	19.7	0.192
D	27	59.6	2031.2	1670.9	20.2	0.180
			SECOND FLOW			
E	1	0.0	420.1			

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			SECOND FLOW - CONTINUED			
	2	4.0	430.5	10.4		
	3	8.0	456.7	26.2		
	4	12.0	487.7	31.0		
	5	15.9	516.9	29.2		
	6	20.0	536.4	19.5		
	7	24.0	559.3	22.9		
	8	28.0	580.9	21.7		
	9	32.0	603.0	22.1		
	10	36.0	623.7	20.7		
	11	40.0	646.6	22.9		
	12	44.0	668.8	22.2		
	13	48.0	688.6	19.8		
	14	52.0	707.3	18.7		
	15	56.0	724.2	16.9		
F	16	60.3	743.6	19.4		
			SECOND CLOSED-IN			
F	1	0.0	743.6			
	2	1.0	1094.6	351.0	1.0	1.979
	3	2.0	1273.7	530.1	2.0	1.663
	4	3.0	1372.3	628.7	2.9	1.502
	5	4.0	1434.7	691.2	3.8	1.375
	6	5.0	1499.3	755.7	4.7	1.283
	7	6.0	1537.4	793.8	5.6	1.211
	8	7.0	1578.1	834.5	6.5	1.145
	9	8.0	1613.0	869.4	7.3	1.093
	10	9.0	1634.6	891.1	8.2	1.045
	11	10.0	1659.6	916.1	9.0	1.004
	12	12.0	1701.0	957.5	10.6	0.933
	13	14.0	1735.0	991.4	12.1	0.875
	14	16.0	1759.7	1016.1	13.6	0.826
	15	18.0	1782.0	1038.5	15.0	0.783
	16	20.0	1801.0	1057.4	16.4	0.744
	17	22.0	1818.1	1074.6	17.7	0.711
	18	24.0	1831.8	1088.2	19.0	0.680
	19	26.0	1845.7	1102.2	20.2	0.654
	20	28.0	1857.9	1114.3	21.4	0.629
	21	30.0	1868.7	1125.1	22.6	0.606
	22	35.0	1889.1	1145.6	25.3	0.556
	23	40.0	1908.6	1165.0	27.8	0.515
	24	45.0	1924.8	1181.3	30.1	0.481
	25	50.0	1938.6	1195.1	32.3	0.450
	26	55.0	1950.5	1207.0	34.3	0.424
	27	60.0	1962.2	1218.6	36.2	0.401
	28	70.0	1981.5	1237.9	39.6	0.362
	29	80.0	1995.8	1252.3	42.6	0.330
	30	90.0	2006.6	1263.0	45.2	0.303
	31	100.0	2016.4	1272.8	47.6	0.281
	32	110.0	2025.6	1282.0	49.8	0.262
G	33	119.4	2029.8	1286.2	51.7	0.246

REMARKS:

TICKET NO. 74047500

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	3.500		4376.5	
3	DRILL COLLARS.....	6.250		541.8	
50	IMPACT REVERSING SUB.....	5.938	2.750	1.0	4918.0
3	DRILL COLLARS.....	6.250		61.3	
5	CROSSOVER.....	5.750	2.500	1.0	
13	DUAL CIP SAMPLER.....	5.000	0.750	6.8	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	4992.0
80	AP RUNNING CASE.....	5.000		4.1	4994.0
15	JAR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	2.8	
70	OPEN HOLE PACKER.....	7.000	1.530	5.8	5009.0
18	DISTRIBUTOR VALVE.....	5.000	1.680	2.2	
70	OPEN HOLE PACKER.....	6.750	1.530	5.8	5017.0
20	FLUSH JOINT ANCHOR.....	5.750	2.870	22.9	
81	BLANKED-OFF RUNNING CASE.....	5.750		4.2	5043.0
	TOTAL DEPTH				5046.0

EQUIPMENT DATA

consultants

A GEOSCIENCE EXTENSION OF XCO

910 Sixteenth Street, #524, Denver, Colorado 80202 (303) 893-6138

TXO PRODUCTION CORPORATION
OURAY FEDERAL #1
SECTION 1 - T6S - R19E
SW SW
UINTAH COUNTY, UTAH

GEOLOGIST: Richard G. Steele
GX Consultants

TABLE OF CONTENTS

RESUME

OPERATOR:	TXO Production Corporation
WELL NAME & NUMBER:	Ouray Federal #1
LOCATION:	SW SW Section 1 - T6S - R19E
COUNTY & STATE:	Uintah County, Utah
SPUD DATE:	July 27, 1984
COMPLETION DATE (TD):	August 10, 1984
ELEVATIONS:	5,262' GL 5,274' KB
TOTAL DEPTH:	5,392' LOGS 5,395' DRLR
CONTRACTOR:	Veco Drilling Company
RIG:	#2
TYPE RIG:	Double
GEOLOGIST:	Richard G. Steele, GX Consultants
ENGINEER:	Glen Hodges
TOOL PUSHER:	--
TYPE DRILLING MUD:	Water, LSND
MUD COMPANY:	Davis Mud Company
MUD ENGINEER:	Joe Little
HOLE SIZES:	12-1/4" to 265' 7-7/8" to TD
CASING:	8-5/8" set @ 265' 4-1/2" set @ TD
MUD LOGGING BY:	Analex
TYPE UNIT:	Unmanned Unit
CORE INTERVALS:	None
DST DEPTHS:	#1: 4,838'-4,874' Misrun #2: 4,838'-4,874' Misrun #3: 5,018'-5,046' Successful
DST COMPANY:	Halliburton
ELECTRIC LOGS BY:	Gearhart
TYPE LOGS RUN:	DIL-GR-SP (Surface pipe - TD) FDC-CNL-GR-CAL (TD to 2,000' uphole; subject to change pending uphole shows and hole condition)
LOGGING ENGINEER:	Steve Slatky
BOTTOM FORMATION:	Green River Formation
WELL STATUS:	Awaiting Completion

SUMMARY AND CONCLUSIONS

The TXO Production Corporation's Ouray Federal #1 was spudded on July 26, 1984 and reached a total depth of 5,395' (driller) on August 10, 1984.

The primary objective was the Uinta "B" Sands. The first Uinta "B" Sands were encountered from 4,854'-4,874'. The sand produced a 70 unit gas kick. The lithology was sandstone - very fine to fine grained, white to clear, moderately sorted, subangular to subround, poorly cemented, visible oil with orange fluorescence, fair to good streaming cut, and orange stain. Log porosity showed a cross-plot porosity of 18%. This zone was tested twice, but each test failed due to poor hole conditions.

The second major show was from 5,012'-5,018'. This sand produced a 200 unit gas kick. Lithology consisted of sandstone - white-clear, fine grained, moderately to well sorted, subround, very poorly cemented, fair to good porosity, visible oil in sample, orange fluorescence, fair to good streaming cut, and orange stain. This zone was tested successfully and recovered approximately 5 barrels of oil in the drill pipe. The oil was measured at a gravity of 21° at 120°F. It is also highly gas cut. Log porosity showed a cross-plot porosity of 33% and a water saturation of 43%.

Drilling continued to the Green River formation, but no major shows were seen. Some oil was visible in the sands, but it is most likely dead oil.

Production casing was run in the Ouray Federal #1 on August 11, 1984. Prospects for completion are very good.

FORMATION TOPS

Formation	Depth	Datum	(KB: 5,274')
Duchesne River	Surface		
Uinta	1,420	+3,854	
Uinta "B"	4,720	+ 554	
Green River	5,098	+ 176	

WELL HISTORY

1984 DATE	12:01AM DEPTH	ACTIVITY
7/26	0	Spud well, set surf csg, wait on cement.
7/27	265	Nipple up, drilling, survey @ 636' 3/4°, survey @ 1,038' 1/4°.
7/28	1,125	Drilling, survey @ 1,470' 1/4°, survey @ 1,987' 1/2°.
7/29	2,362	Drilling, survey @ 2,489' 3/4°, survey @ 2,921' 1/2°.
7/30	2,994	Drilling, survey @ 3,418' 1/4°, trip for bit.
7/31	3,433	Trip in w/Bit #3, drilling.
8/1	3,868	Drilling, survey @ 3,947' 2-1/4°, drilling.
8/2	4,165	Drilling, survey @ 4,196' 2-3/4°, trip for bit, trip in w/ Bit #4.
8/3	4,305	Drilling, survey @ 4,537' 2-1/4°, lost 30 bbls @ 4,574', drilling.
8/4	4,617	Drilling.
8/5	4,870	Run DST #1, misrun, recondition hole for DST #2.
8/6	4,870	Run DST #2, misrun.
8/7	4,875	Drilling, trip out for DST #3.
8/8	5,046	Run DST #3, drilling.
8/9	5,069	Drilling.
8/10	5,290	Drilling, TD @ 11:00 am @ 5,395' (driller), condition hole for E-logs.

MUD RECORD

MUDDED UP AT 4500' ON 8/3/84

1984 DATE	DEPTH	WT.	F.VIS	P.VIS	YIELD	GEL STRNT	PH	FILTR	CK.	ALKA	SALT	CHLO	CALCIUM	GYP/ SAND	SOLID/ %WTR.	CUMULATIV COST
8/3	4,385	8.5	29	--	--	--	11	--	1/32	.4/.45		300	20	tr	tr	$ 2,669
8/4	4,700	8.5+	35	7	7	3/10	11	10.4	2/32	.45/.5		300	20	1/8	2	4,178
8/6	4,870	8.8	53	18	12	6/22	11	8.8	2/32	.43/.52		300	20	1/8	2.5	5,628
8/7	4,973	8.9	65	22	18	6/19	11	7.6	2/32	.4/.55		300	30	1/4	3	5,836
8/8	5,046	8.9	55	20	12	6/20	11	8.8	2/32	.43/.57		300	20	1/4	3	6,200
8/9	5,121	9.1	47	22	8	3/7	10	8.2	2/32	.25/.3		300	30	1/2	4	6,364
8/10	5,354	9.3	49	24	9	4/10	10	8.4	2/32	.24/.31		300	30	3/4	5	6,658

BIT RECORD

BIT NO.	MAKE	TYPE	SIZE	DEPTH IN	DEPTH OUT	FOOTAGE	HOURS
1	HTC	OSC-3AJ	12-1/4	0	265	265	7-1/2
2	STC	F-3	7-7/8	265	3,433	3,168	83-1/2
3	STC	F-4	7-7/8	3,433	4,305	872	56-3/4
4	STC	F-4	7-7/8	4,305	5,395	1,090	60-1/2

DIRECTIONAL SURVEYS

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
646	3/4°				
1,038	1/4°				
1,470	1/4°				
1,987	1/2°				
2,489	3/4°				
2,921	1/2°				
3,418	1/4°				
3,947	2-1/4°				
4,196	2-3/4°				
4,537	2-1/4°				

DRILLING FUNCTIONS

(Include air pressure if air drilled hole)

DATE 1984	DEPTH	WOB	RPM	PP
7/26	0	5,000	60	700
7/27	265	8,000	60	800
7/28	1,125	20,000	60	800
7/29	2,362	20,000	60	800
7/30	2,994	30,000	60	900
7/31	3,433	30,000	60	--
8/1	3,868	35,000	60	1000
8/2	4,165	35,000	60	1000
8/3	4,305	35,000	60	1000
8/4	4,617	35,000	60	1000
8/5	4,870	--	--	--
8/6	4,870	--	--	--
8/7	4,875	40,000	60	800
8/8	5,046	43,000	60	800
8/9	5,069	43,000	60	900
8/10	5,290	44,000	60	900

DRILL STEM TEST #1

Formation: Uinta "B"

Interval: 4,838'-4,874'

Remarks: Misrun due to poor hole conditions.

DRILL STEM TEST #2

Formation: Uinta "B"

Interval: 4,838'-4,874'

Remarks: Misrun due to poor hole conditions.

DRILL STEM TEST #3

Formation:	Uinta "B"
Interval:	5,018' to 5,046'
Reason for Test:	200 unit gas kick, oil in sample
Type Test:	Conventional On-Bottom
Testing Company:	Halliburton
Tester:	Cliff Richards
Water Cushion:	None
IF 30 Minutes:	Tool opened at 1/4" blow, built to 21 oz. in 30 minutes.
ISI 60 Minutes:	--
FF 60 Minutes:	Began @ 3 oz.; 5 minutes - 6 oz; 6 minutes - 3 oz; 9 minutes - 1 oz; 26 minutes - 1-1/2 oz; 46 minutes - 1 oz; 56 minutes - 2-1/2 oz; 60 minutes - 2-1/2 oz.
FSI 120 Minutes:	--
Recovery:	1,595' Fluid, top-oil (gas cut) approximately 5 bbls bottom-water
Bottom Hole Sampler:	Recovery - .541 cu. ft. gas 300 cc oil 1750 cc water Pressure - 1000 psi
Resistivity Data:	Pit: 7.8 @ 80°F 300 ppm Cl Drill Pipe Water: 2.3 @ 92°F 2100 ppm Cl Sampler Water: 2.3 @ 92°F 2100 ppm Cl

Pressures:

Top Chart	Bottom Chart
IH: 2328.8	IH: 2364
IF: 54.8 to 342.5	IF: 81 to 338
ISI: 1997.3	ISI: 2025
FF: 342.4 to 697.1	FF: 405 to 729
FSI: 1983.6	FSI: 2025
FH: 2315	FH: 2337

Top Choke:	1/4"
Bottom Choke:	3/4"
Bottom Hole Temperature:	108°F
Remarks:	Oil Gravity - 21° @ 120°F

TICKET NO. 240475 DATE 8-7 HALLIBURTON CAMP Vernal ut

LEASE OWNER TXO Production Corporation

LEASE NAME Ouray Federal WELL NO. 1 TEST NO. 3

LEGAL LOCATION Sec 1 T 6 S R, 1? FORMATION TESTED [illegible]

FIELD AREA Ouray Valley COUNTY [illegible] STATE utah

TYPE OF D.S.T. Open hole

TESTER(S) Clifford L Richards

WITNESS Glenn Hodge DRILLING CONTRACTOR Veeco Drilling #2

DEPTHS MEASURED FROM KB CASING PERFS (FT.)

TYPE AND SIZE OF GAS MEASURING DEVICE

CUSHION DATA

TYPE — AMOUNT WEIGHT (lb./gal.)

TYPE — AMOUNT WEIGHT (lb./gal.)

RECOVERY (ft. or bbl.): 1595' of Fl[illegible] *

992' X .00742 = 7.3606 Pipe

603 X .0044 = 2.6532 Collars

Top Oil Gas cut

Middle mud

Bottom water

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
Pit	7.8 @ 80 °F	30		@ °F	
Drill pipe water	.33 @ 93 °F	21[illegible]		@ °F	
Sampler water	.23 @ 71 °F	21[illegible]		@ °F	

REMARKS:

*Reversed out amounts [illegible] are Just Estimates

FORMATION TEST DATA (SHEET 1)

TICKET NO. 240475 DATE 8-6 ELEVATION (ft.) 5274 KB

TOP OF TESTED INTERVAL (ft.) 5017.5 BOTTOM OF TESTED INTERVAL (ft.) 5046

NET PAY (ft.) 12' TOTAL DEPTH (ft.) 5046

HOLE OR CASING SIZE (in.) 7 7/8 MUD WEIGHT (lb./gal.) 8.9 VISCOSITY (sec.) 51

SURFACE CHOKE (in.) 1/4 BOTTOM CHOKE (in.) 1/2

OIL GRAVITY 21 @ 120 °F GAS GRAVITY—ESTIMATED ACTUAL

SAMPLER DATA

PRESSURE (P.S.I.) 1000 CUBIC FT. OF GAS .541

C.C.'s OF OIL 300 C.C.'s OF WATER 1750

C.C.'s OF MUD TOTAL LIQUID C.C.'s 2050

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER OTHER

TEMPERATURE (°F)

ESTIMATE

ACTUAL

DEPTH (ft.) 5041

H.T.-500 ☐; THERMOMETER ☒;
T.E. OR R.T.-7 ☐; OTHER ☐

SERIAL NO.

RECORDER AND PRESSURE DATA

CHARTS READ BY Clifford L. Richmond DATA APPROVED BY

RECORDERS	GAUGE NUMBER	192 BT	205 Top			
	GAUGE TYPE	2	1			
	GAUGE DEPTH (ft.)	5043	4994			
	CLOCK NUMBER	2786	11634			
	CLOCK RANGE (HR.)	24	24			
PRESSURES	INITIAL HYDROSTATIC	2364	2328			
	INITIAL FLOW	81	54.			
	1st. FINAL FLOW	338	342.			
	CLOSED-IN	2025	1971.			
	INITIAL FLOW	405	397.1			
	2nd. FINAL FLOW	729	697.1			
	CLOSED-IN	2025	1983.			
	INITIAL FLOW					
	3rd. FINAL FLOW					
	CLOSED-IN					
	FINAL HYDROSTATIC	2337	2315			

TIMES

(00:00-24:00 HRS.)

TOOL OPENED 0614

DATE 8-8-81

BYPASS OPENED

DATE

PERIOD	MINUTES
XXX	XXX
1st. FLOW	30
1st. C.I.P.	60
XXX	XXX
2nd. FLOW	60
2nd. C.I.P.	120
XXX	XXX
3rd. FLOW	
3rd. C.I.P.	
XXX	XXX

ADDITIONAL RECORDER AND PRESSURE DATA SPACE ON BACK SHEET IF NEEDED

DO NOT WRITE IN THIS AREA—FOR REPORT SECTION USE ONLY

TICKET NO. 140475

TOOL NAME	TOOL NO.	O.D. (IN.)	I.D. (IN.)	LENGTH (FT.)	DEPTH (FT.)
				4326.55	
Drill Pipe	1	3.50			
Drill Collars	3	3.5		541.1	
Reverse Circ Sub	50	3.50	2.25	1	4918
Drill Collars	3	4.75		61.25	
Cross over Sub	5	4.75	2.50	1	
Dual CIP Sampler	13	4.00	2.75	6.25	
Hydrospring	60	5.00	2.75	5.00	4912.3
AP Running Case	80	5.00		4.13	4194.3
Big John Jams	15	5.00	2.25	5.00	
VR Safety Joint	16	5.00	1.00	2.28	
NR #2 Packer	20	4.00	1.53	4.11/1.69	5009.32
Distributor Valve	18	4.00	1.680	2.17	
NR #2 Packer	20	4.75	1.53	4.11/1.69	5012.29
Rush Joint Anchor	20	4.75	2.270	2.86	
Bt Running Case	81	4.75		1.16	5043
				TD	5046

TOOL NUMBERS AS ASSIGNED BY TESTER

97 =
98 =
99 =

TOOL NAMES

EQUIPMENT DATA

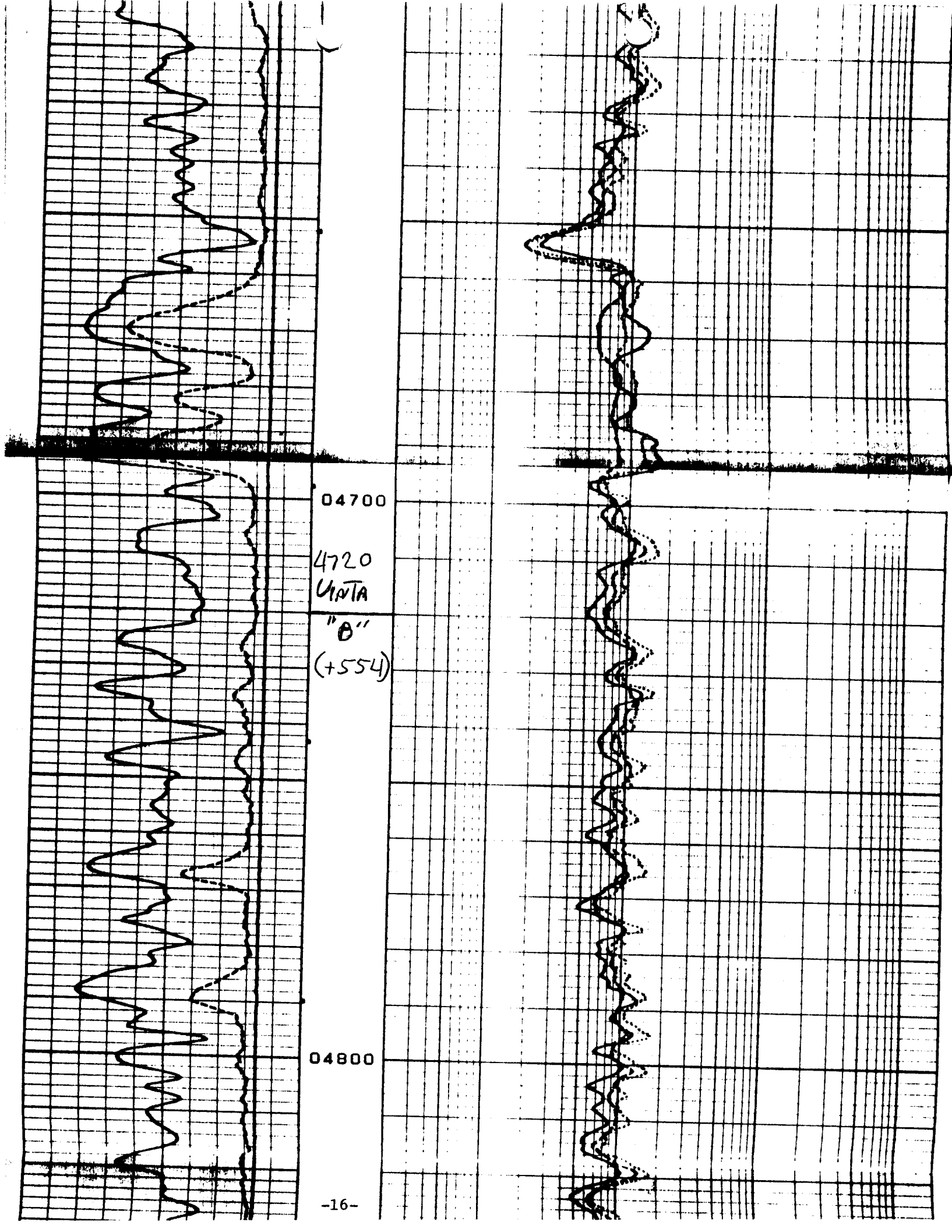
TICKET NO. [illegible]

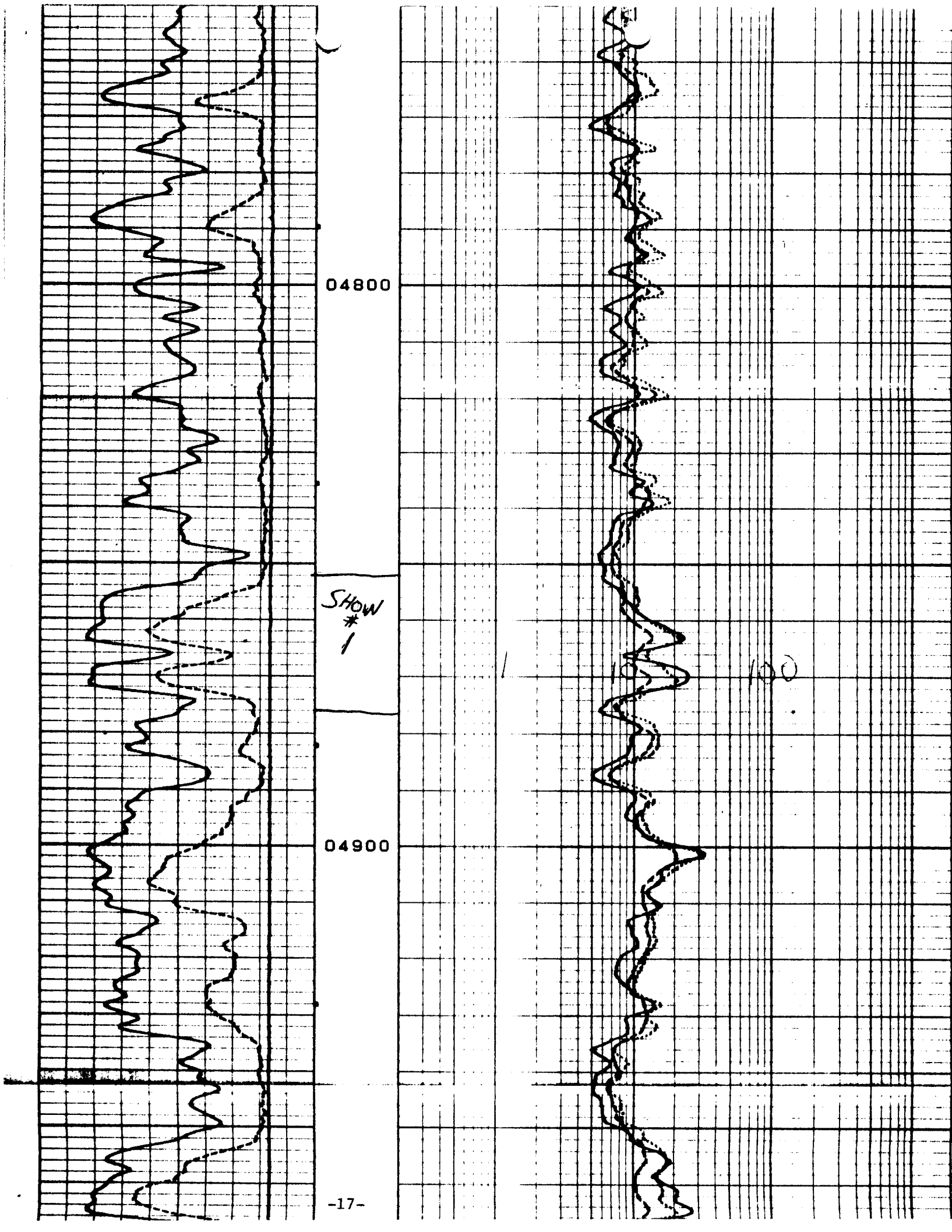
DATES AND TIMES (00.00-24.00 HRS.)	CHOKE SIZE (IN.)	SURFACE PRESSURE (P.S.I.)	GAS RATE (MCF/D)	LIQUID RATE (BBL./D)	REMARKS
8-7-84					
2200					...lled out
2400					... location
2400					...led clocks
8-8-84 0005	1/4				...ked up tools
0130					...ip in hole
0607					...t packers
0614					...l opened [illegible] Blow
0615					...low in 5 gal bucket of water
0620		20 oz			
0628		14 oz			
0635		19 oz			
0644		21 oz			
0644					...ed for Shut IN
0744		3 oz			...ned tool
0747		5 oz			
0750		3 oz			
0753		1 oz			
0755		1 oz			
0810		1½ oz			... to surface
0820		2 oz			
0830		1 oz			
0840		2½ oz			
0844		2½ oz			
0844					...sed tool for final shut IN
1044					...ded shut in
1045					...l loose
1050					...ip out of the hole
1400					...rsed out
1500					... out of the hole
1730					...t of Hole with tools
1835					...own Sampler & load out tools
1900					Job completed

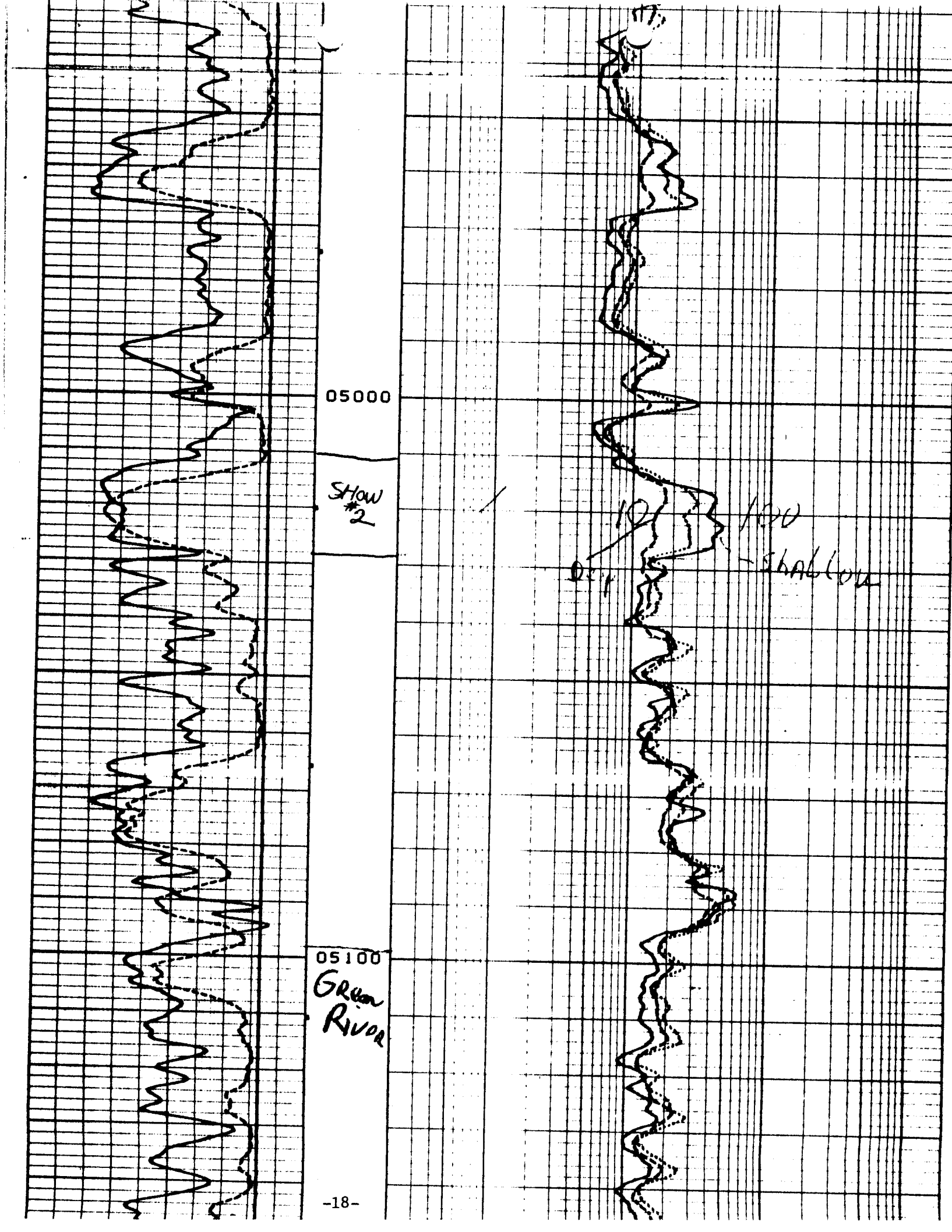
PRODUCTION TEST DATA

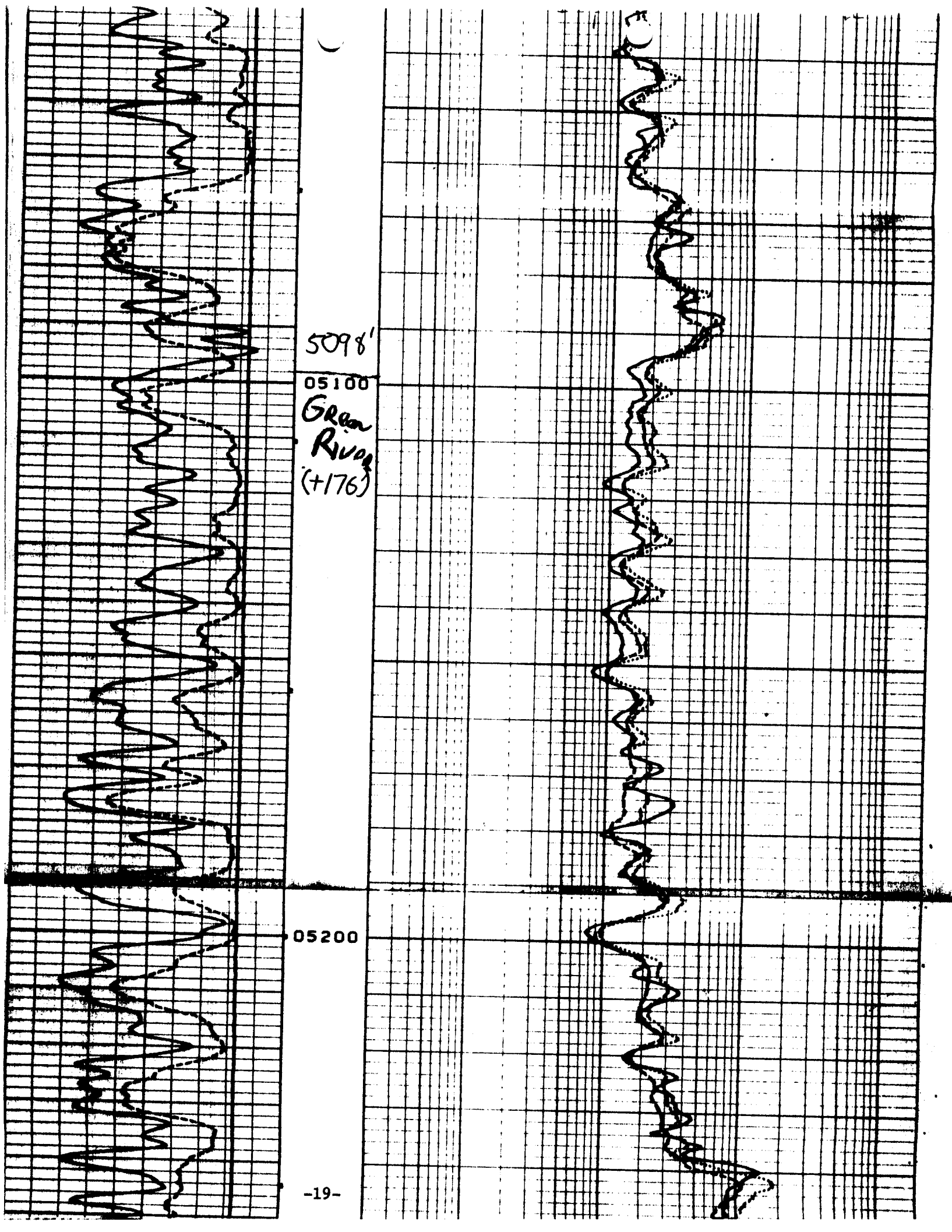
SHOW REPORT & LOG ANALYSIS

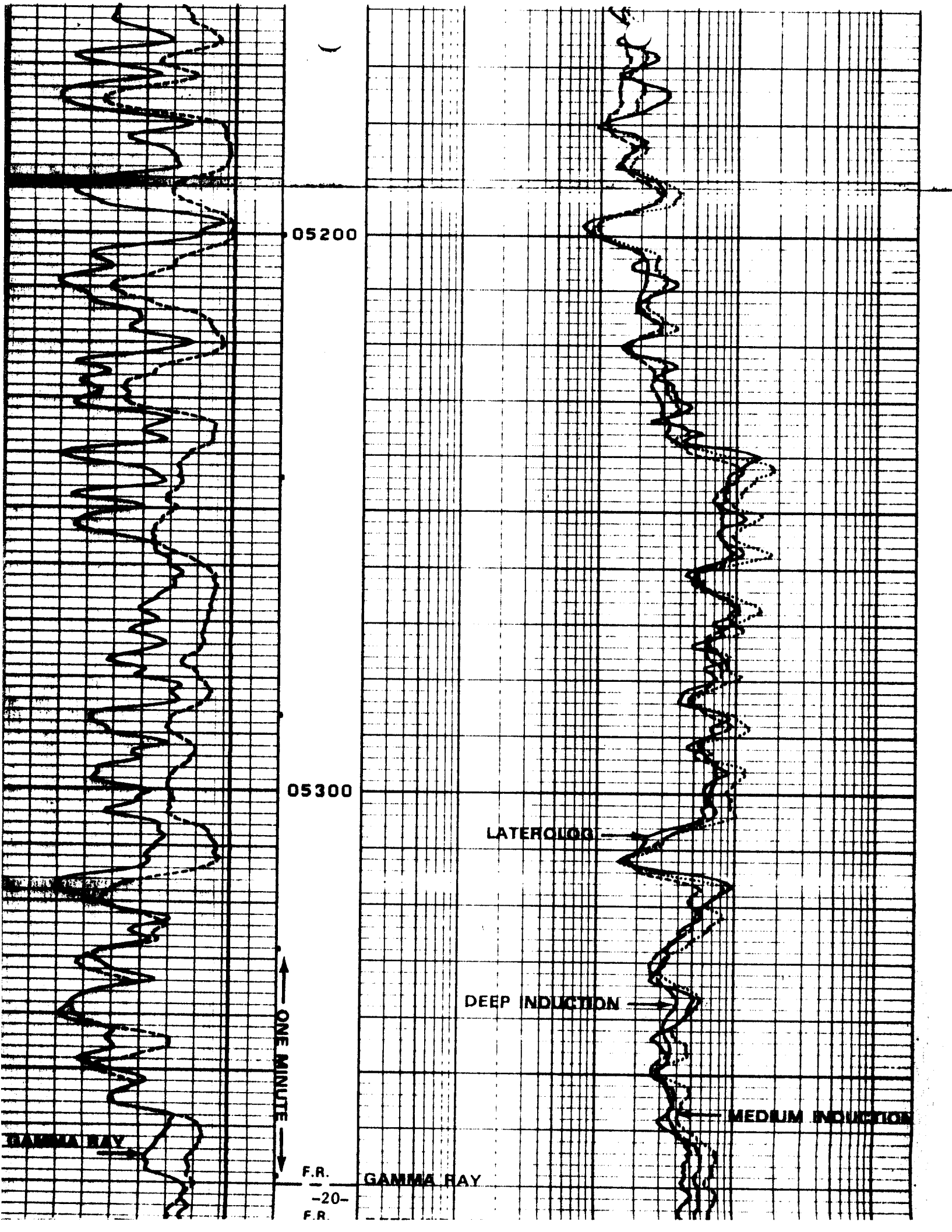
INTERVAL	FORMATION	Rw	Rt	ØN	ØD	ØAVG	Sw%	TG	C1	C2	C3	iC4	nC4
4,854-73	Uinta "B"	.15	15	24	17	18		70	.8				
5,010-28	Uinta "B"	.15	20	21	18	33	43	200	.91	.03	.04	.05	.05

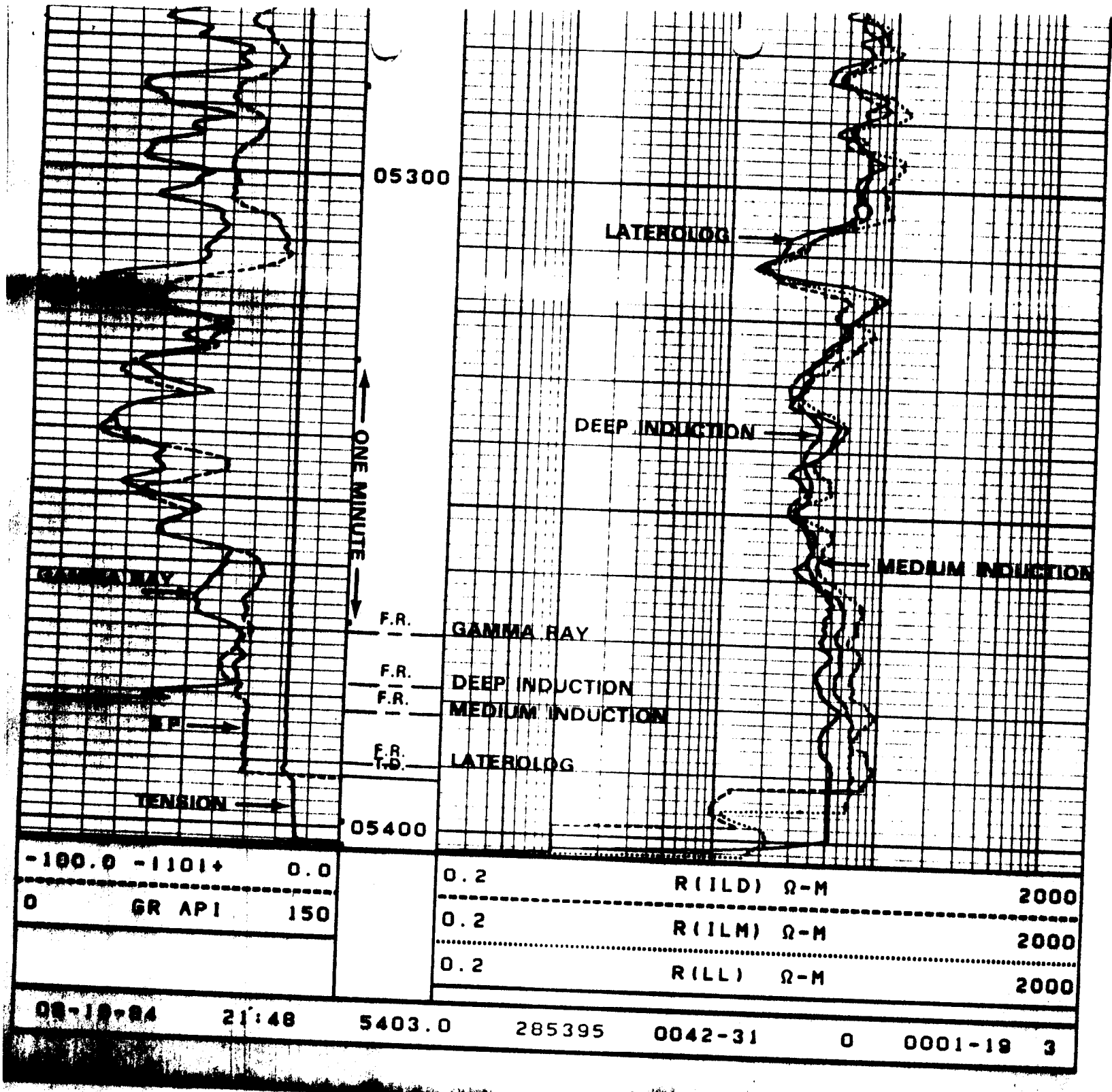

04700
4720
UINTA
"B"
(+554)
04800

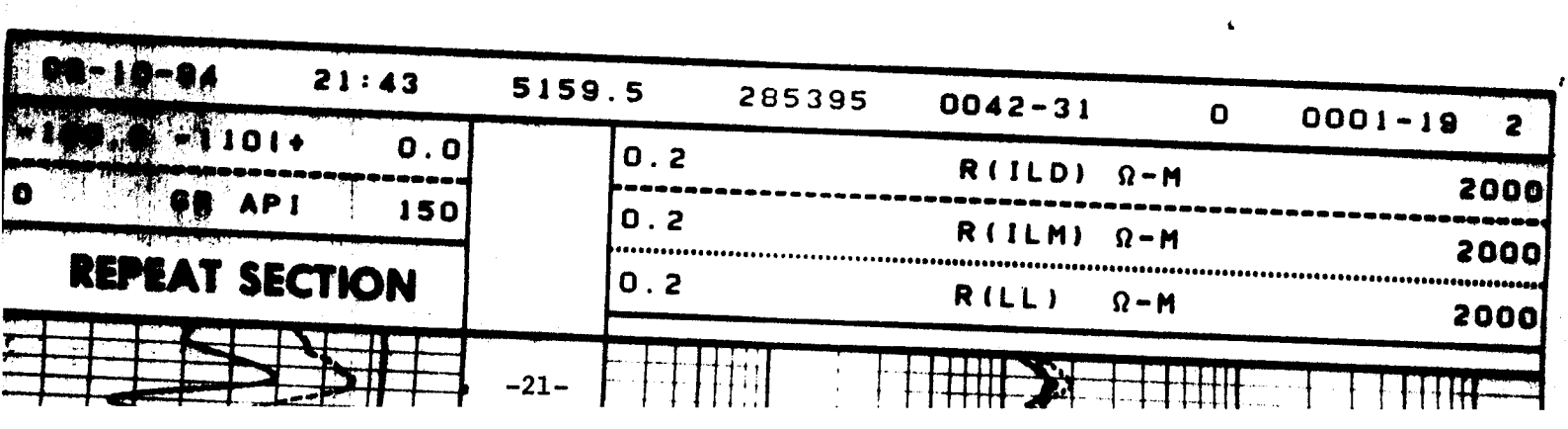

04800
SHOW
#
1
1
100
04900

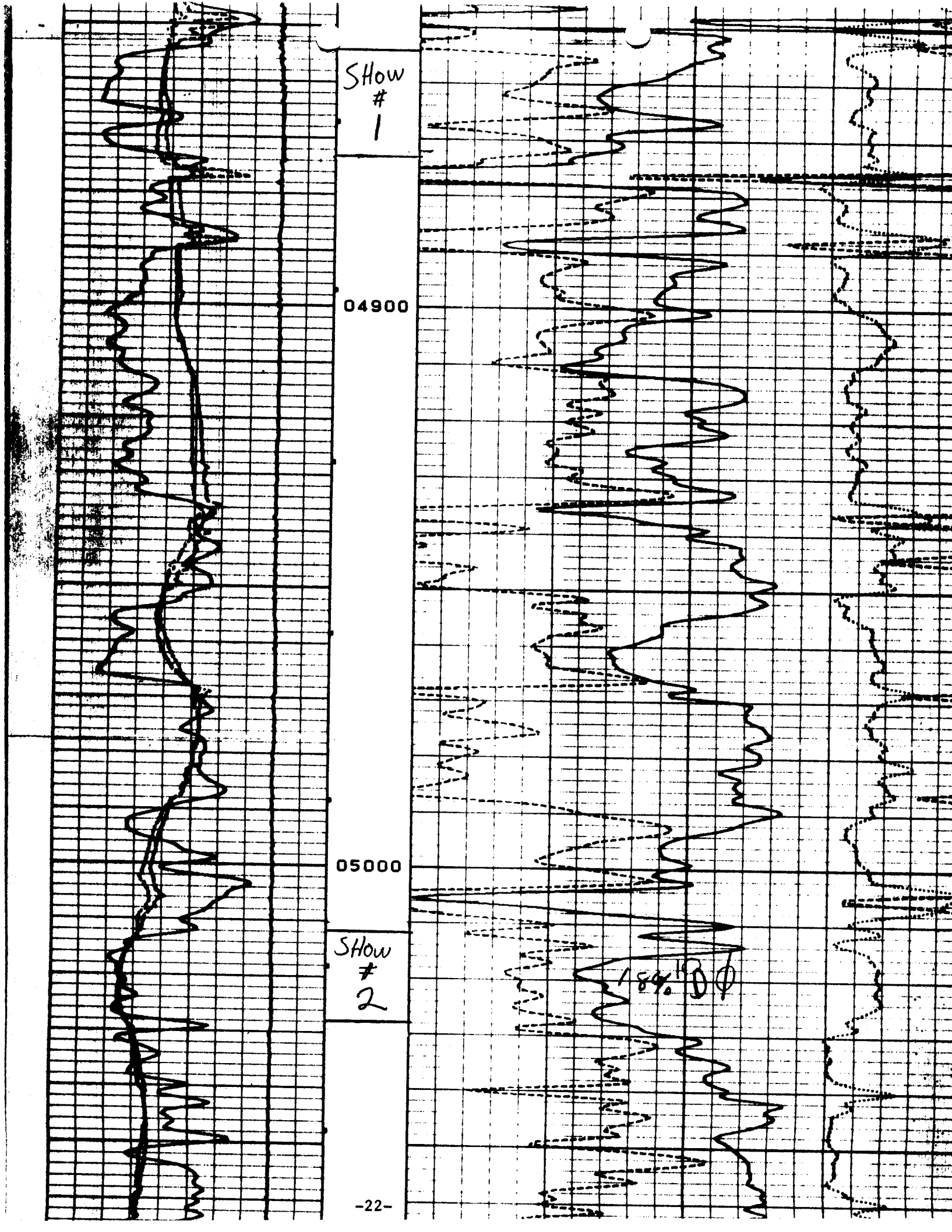

05000
SHOW #2
10
05100
GREEN RIVER


5098'
05100
Green River
(+176)
05200


05200
05300
LATEROLOG
DEEP INDUCTION
MEDIUM INDUCTION
ONE MINUTE
GAMMA RAY
F.R.
GAMMA RAY
-20-
F.R.


05300
LATEROLOG
DEEP INDUCTION
MEDIUM INDUCTION
ONE MINUTE
GAMMA RAY
SP
TENSION
F.R.
GAMMA RAY
F.R.
DEEP INDUCTION
F.R.
MEDIUM INDUCTION
F.R.
T.D.
LATEROLOG
05400
-100.0 -1101+ 0.0
0 GR API 150
0.2 R(ILD) Ω-M 2000
0.2 R(ILM) Ω-M 2000
0.2 R(LL) Ω-M 2000
08-10-84 21:48 5403.0 285395 0042-31 0 0001-19 3


08-10-84 21:43 5159.5 285395 0042-31 0 0001-19 2
-1101+ 0.0
0 GR API 150
0.2 R(ILD) Ω-M 2000
0.2 R(ILM) Ω-M 2000
0.2 R(LL) Ω-M 2000
REPEAT SECTION


SHOW
#
1
04900
05000
SHOW
#
2
18% DØ

LITHOLOGY

30-60 SHALE - brn, rdbrn, gybrn, sft-frm, blky, v calc.

60-90 SHALE - a/a.

90-120 SHALE - redbrn, gybrn, brn, sft, blky, v calc.

120-150 SHALE - a/a.

150-180 SHALE - brn, gybrn, rdbrn, sft, blky, v calc.
Tr SANDSTONE.

180-210 SHALE - a/a.
Tr SANDSTONE.

210-240 SHALE - rdbrn, brn, gybrn, sft, blky, v calc.

240-270 SHALE - a/a.

270-300 SANDSTONE - wh-clr, vfgr, w rd, n cmt, NSFOC.

300-330 SANDSTONE - a/a.

330-360 SANDSTONE - wh-clr, vfgr, w rnd, n cmt, NSFOC.

360-390 SANDSTONE - a/a.

390-420 SANDSTONE - wh-clr, vfgr, m-w srt, w rnd, n cmt, n flor.

420-450 SANDSTONE - a/a.
SHALE - rdbrn, gygn, sft, blky, v calc.

450-480 SANDSTONE - a/a.
SHALE - a/a.

480-510 SHALE - gybrn, rdbrn, brn, sft, blky, v calc.

510-540 SHALE - a/a.
SANDSTONE - wh-clr, m srt, w rnd, n cmt, n flor.

540-570 SHALE - a/a.
SANDSTONE - a/a.

570-600 SHALE - gy, gygn, sft-frm, blky, v calc.

600-630 SHALE - a/a.

630-650 SHALE - a/a.
SANDSTONE - wh-clr, vfgr, w srt, w rnd, n cmt, NSFOC.

650-680 SANDSTONE - wh-clr, ltbrn, vfgr, w srt, sbang-sbrnd, n cmt, NSFOC.

680-710 SANDSTONE - a/a.

LITHOLOGY (Cont.)

710-740	SHALE - ylgn, gygn, rdbrn, sft-frm, blky, v calc.
740-770	SHALE - a/a. SANDSTONE - clr, ltgy, wh, vfgr, m srt, sbrnd-sbang, n cmt, NSFOC.
770-800	SHALE - a/a. SANDSTONE - a/a.
800-830	SHALE - ylbrn, gygn, rdbrn, sft-frm, blky, v calc.
830-860	SHALE - a/a.
860-890	SHALE - a/a. SANDSTONE - wh, clr, vfgr, m srt, sbang-sbrnd, n cmt, NSFOC.
890-920	SHALE - gygn, ylbrn, rdbrn, sft, blky, v calc.
920-950	SHALE - a/a.
950-980	SHALE - a/a.
980-1,010	SHALE - a/a. SANDSTONE - wh, clr, vfgr, m srt, sbang-sbrnd, n cmt, NSFOC.
1,010-1,040	SHALE - rdbrn, ylbrn, sft, blky, v calc.
1,040-1,070	SHALE - a/a. Tr SANDSTONE.
1,070-1,100	SHALE - rdbrn, ylgn, gygn, sft, blky, v calc.
1,100-1,130	SHALE - a/a. SANDSTONE - wh, clr, vfgr, m srt, sbang, vp cmt, NSFOC.
1,130-1,160	SANDSTONE - a/a. Tr SHALE.
1,160-1,190	SHALE - rdbrn, ylgn, gygn, sft, blky, v calc.
1,190-1,220	SHALE - a/a. SANDSTONE - wh, clr, fgr, m srt, sbrnd-rnd, p cmt, NSFOC.
1,220-1,250	SANDSTONE - a/a.
1,250-1,280	SHALE - rdbrn, gygn, ylbrn, sft, blky, v calc.
1,280-1,310	SANDSTONE - wh, clr, vf-fgr, m srt, p cmt, calc cmt, sbrnd, NSFOC.
1,310-1,340	SHALE - rdbrn, ylgn, gybrn, sft, blky, v calc.
1,340-1,370	SHALE - a/a.

LITHOLOGY (Cont.)

1,370-1,400 SHALE - ylgn, rdbrn, gygn, sft, blky, v calc, occ sdy.
Tr SANDSTONE.

1,400-1,430 SHALE - a/a.
Tr SANDSTONE.

1,430-1,460 SHALE - a/a.
SANDSTONE - wh, clr, vfgr, m srt, p cmt, NSFOC.

1,460-1,490 SHALE - gygn, lav, ylgn, rdbrn, sft, blky, calc.
SANDSTONE - a/a.

1,490-1,510 SHALE - a/a.

1,510-1,550 SHALE - a/a.

1,550-1,580 SHALE - ylgn, rdbrn, sft, blky, v calc.
Tr SANDSTONE.

1,580-1,610 SHALE - ylgn, gygn, rdbrn, sft-frm, blky, v calc.
Occ SANDSTONE.

1,610-1,640 SHALE - a/a.

1,640-1,670 SANDSTONE - wh, clr, vf-fgr, m srt, sbang-sbrnd, n cmt, NSFOC.

1,670-1,700 SANDSTONE - a/a.

1,700-1,730 SANDSTONE - a/a.
SHALE - gybrn, gygn, frm-sft, blky, v calc.

1,730-1,760 SHALE - a/a.
Tr SANDSTONE.

1,760-1,790 SHALE - rdbrn, gygn, ylbrn, frm-sft, blky, calc.

1,790-1,820 SHALE - a/a.
Tr SANDSTONE.

1,820-1,850 SANDSTONE - wh, ltbrn, vfgr, m srt, sbang-sbrnd, n cmt, NSFOC.

1,850-1,880 SHALE - brn, rdbrn, gygn, ylgn, sft-frm, blky, calc.

1,880-1,910 SHALE - a/a.

1,910-1,940 SHALE - a/a.

1,940-1,970 SHALE - rdbrn, gygn, ylgn, sft-frm, blky, v calc.

1,970-2,000 SHALE - a/a.

2,000-2,030 SHALE - rdbrn, gygn, ylbrn, sft-frm, blky, v calc.

LITHOLOGY (Cont.)

2,030-2,060 SHALE - a/a.

2,060-2,090 SHALE - a/a.
SANDSTONE - wh-clr, vf-fgr, m srt, sbang-sbrnd, calc cmt, NSFOC.

2,090-2,120 SHALE - rdbrn, ylgn, gygn, sft-frm, blky, v calc.

2,120-2,150 SHALE - a/a.

2,150-2,180 SHALE - gygn, ylgn, rdbrn, sft-frm, blky, calc.
Tr SANDSTONE.

2,180-2,210 SHALE - rdbrn, gygn, ylbrn, sft-frm, blky, occ sdy, v calc.

2,210-2,240 SHALE - a/a.

2,240-2,270 SHALE - gygn, rdbrn, ylgn, sft-frm, blky, v calc.

2,270-2,300 SHALE - a/a.

2,300-2,330 SHALE - rdbrn, gygn, ylgn, sft-frm, blky, v calc.

2,330-2,360 SHALE - a/a.

2,360-2,390 SHALE - brn, rdbrn, gygn, sft-frm, blky, v calc.
Tr LIMESTONE.

2,390-2,420 SHALE - a/a.

2,420-2,450 SHALE - a/a.

2,450-2,480 SHALE - rdbrn, gygn, gy, sft-frm, blky, v calc.

2,480-2,510 SHALE - a/a.
Tr SANDSTONE.

2,510-2,540 SHALE - rdbrn, ylbrn, gygn, sft-frm, blky, v calc.
Tr LIMESTONE.

2,540-2,570 SHALE - a/a.

2,570-2,600 SHALE - rdbrn, ylgn, gygn, sft-frm, blky, v calc.

2,600-2,630 SHALE - a/a.

2,630-2,660 SHALE - gygn, rdbrn, ylgn, sft-frm, blky, v calc.
Tr SANDSTONE.

2,660-2,690 SHALE - a/a.
Tr OIL SHALE (Gilsonite?).

2,690-2,720 SHALE - a/a.

LITHOLOGY (Cont.)

2,720-2,750 SHALE - gy, gygn, ylgn, rdbrn, sft-frm, blky, m-v calc.

2,750-2,780 SHALE - a/a.

2,780-2,810 SHALE - gygn, ylgn, rdbrn, sft-frm, blky, v calc.

2,810-2,840 SHALE - a/a.
SANDSTONE - wh, clr, fgr, m srt, sbang-sbrnd, calc cmt, NSFOC.

2,840-2,870 SHALE - a/a.
SANDSTONE - a/a.

2,870-2,900 SHALE - rdbrn, gygn, ylbrn, sft-frm, blky, v calc, occ sdy.

2,900-2,930 SHALE - a/a.

2,930-2,960 SHALE - gygn, rdbrn, ylgn, sft-frm, blky, v calc.

2,960-2,990 SHALE - a/a.

2,990-3,020 SHALE - a/a.

3,020-3,050 SHALE - gygn, rdbrn, ylgn, sft-frm, blky, v calc.

3,050-3,080 SHALE - a/a.

3,080-3,110 SHALE - rdbrn, ylgn, gygn, sft-frm, blky, v calc.

3,110-3,140 SHALE - gygn, rdbrn, ylgn, sft-frm, blky, v calc.

3,140-3,170 SHALE - a/a.

3,170-3,200 SHALE - gygn, rdbrn, sft-frm, blky, v calc.

3,200-3,230 SHALE - a/a.

3,230-3,250 SHALE - a/a.

3,250-3,290 SHALE - gygn, ylgn, rdbrn, sft-frm, blky, v calc.

3,290-3,320 SHALE - a/a.

3,320-3,350 SHALE - a/a.

3,350-3,380 SHALE - gygn, ylgn, rdbrn, sft-frm, m calc.

3,380-3,410 SHALE - ylgn, gygn, rdbrn, sft-frm, m-v calc.

3,410-3,440 SHALE - a/a.

3,440-3,470 SHALE - rdbrn, ylgn, gygn, sft-frm, blky, m-v calc.

3,470-3,500 SHALE - a/a.

LITHOLOGY (Cont.)

3,500-3,530 SHALE - rdbrn, gygn, ylgn, frm, blky, m-v calc, tr oil SH.

3,530-3,560 SHALE - a/a.
Tr BENTONITE.

3,560-3,590 SHALE - rdbrn, gygn, ylgn, frm, blky, m calc.

3,590-3,620 SHALE - a/a.

3,620-3,650 SHALE - ylgn, rdbrn, gygn, frm, blky, m-v calc.

3,650-3,680 SHALE - a/a.

3,680-3,710 SHALE - ylgn, rdbrn, gygn, frm-sft, blky, m-v calc, occ sdy.

3,710-3,740 SHALE - a/a.

3,740-3,770 SHALE - ylgn, gygn, rdbrn, frm, blky, m-v calc.

3,770-3,800 SHALE - a/a.

3,800-3,830 SHALE - rdbrn, gygn, ylgn, frm, blky, m calc.

3,830-3,860 SHALE - a/a.
Tr SANDSTONE.

3,860-3,890 SHALE - rdbrn, gygn, ylgn, lav, blky, sl-m calc.

3,890-3,920 SHALE - a/a.

3,920-3,950 SHALE - rdbrn, gygn, ylgn, frm, blky, sl calc.

3,950-3,980 SHALE - a/a.

3,980-4,010 SHALE - a/a.

4,010-4,040 SHALE - rdbrn, gyblu, gygn, frm-sft, blky, v-sl calc.

4,040-4,070 SHALE - a/a.

4,070-4,100 SHALE - rdbrn, gygn, gybl, frm-sft, blky, sl-m calc.

4,100-4,130 SHALE - a/a.

4,130-4,160 SHALE - rdbrn, ylgn, lav, frm-sft, blky, sl-m calc.
Tr SANDSTONE.

4,160-4,190 SHALE - a/a.

4,190-4,220 SHALE - rdbrn, gygn, lav, frm-sft, blky, sl calc.

4,220-4,250 SHALE - a/a.

LITHOLOGY (Cont.)

4,250-4,280 SHALE - rdbrn, gygn, lav, sft-frm, blky, sl calc.

4,280-4,310 SHALE - a/a.

4,310-4,340 SHALE - gygn, rdbrn, lav, frm-sft, blky, sl-m calc.

4,340-4,370 SHALE - a/a.

4,370-4,400 SHALE - rdbrn, gygn, frm-sft, blky, plty, sl calc.

4,400-4,430 SHALE - a/a.

4,430-4,460 SHALE - rdbrn, gygn, dkgy, frm-sft, blky, plty, sl calc.

4,460-4,490 SHALE - a/a.

4,490-4,520 SHALE - rdbrn, gygn, ylgn, frm, sl-m calc.
Tr SANDSTONE.

4,520-4,530 SHALE - a/a.

4,530-4,540 SHALE - a/a.

4,540-4,550 SHALE - rdbrn, yl, ylgn, gygn, sft-frm, blky, sl-m calc, occ sdy.

4,550-4,560 SHALE - a/a.

4,560-4,570 SHALE - a/a.

4,570-4,580 SHALE - rdbrn, gygn, ylgn, frm, blky, sl calc.

4,580-4,590 SHALE - a/a.

4,590-4,600 SHALE - a/a.

4,600-4,610 SHALE - rdbrn, gygn, ylgn, frm, blky, sl calc.

4,610-4,620 SHALE - a/a.

4,620-4,630 SHALE - rdbrn, gygn, ylgn, frm, blky, sl calc.

4,630-4,640 SHALE - a/a.

4,640-4,650 SHALE - a/a.

4,650-4,660 SHALE - rdbrn, gygn, ylgn, frm, blky, sl calc.

4,660-4,670 SANDSTONE - wh, clr, fgr, m-w srt, sbrd, calc cmt, NSFOC.

4,670-4,680 SHALE - rdbrn, gygn, ylgn, frm, blky, sl calc.

4,680-4,690 SHALE - a/a.
Tr SANDSTONE.

LITHOLOGY (Cont.)

4,690-4,700 SHALE - rdbrn, gygn, ylgn, frm, blky, sl calc.
Tr SANDSTONE.

4,700-4,710 SHALE - a/a.
Tr SANDSTONE.

4,710-4,720 SHALE - rdbrn, gygn, frm, blky, sl calc.
Tr SANDSTONE.

4,720-4,730 SHALE - a/a.

4,730-4,740 SHALE - a/a.

4,740-4,750 SHALE - rdbrn, ylgn, gybrn, frm, blky, sl-m calc.
Tr SANDSTONE.

4,750-4,760 SHALE - a/a.

4,760-4,770 SHALE - rdbrn, gygn, ylgn, frm, blky, sl calc.
Tr SANDSTONE - wh-clr, vfgr, m-w srt, sbrnd, calc cmt, n flor.

4,770-4,780 SHALE - gygn, gn, rdbrn, frm, blky, sl calc.

4,780-4,790 SHALE - a/a, occ sdy.

4,790-4,800 SHALE - rdbrn, gygn, frm, blky, sl calc.

4,800-4,810 SHALE - a/a.

4,810-4,820 SHALE - a/a.

4,820-4,830 SHALE - rdbrn, gygn, occ dkgy, frm, blky, sl-m calc.
Tr SANDSTONE.

4,830-4,840 SHALE - a/a.

4,840-4,850 SANDSTONE - wh-clr, vf-fgr, m-w srt, sbrnd, p cmt, f Ø, vis oil, abnt orng flor, f strmg cut, dull orng stn.

4,850-4,860 SANDSTONE - a/a.

4,870-4,880 SHALE - rdbrn, gygn, frm, blky, sl-m calc.

4,880-4,890 SHALE - a/a.

4,890-4,900 SHALE - a/a.

4,900-4,910 SHALE - rdbrn, gygn, frm, blky, sl-m calc.

4,910-4,920 SHALE - a/a.
Occ SANDSTONE.

4,920-4,930 SHALE - rdbrn, gygn, frm, occ sdy, blky, sl-m calc.

LITHOLOGY (Cont.)

4,930-4,940 SHALE - a/a.

4,940-4,950 SHALE - a/a.

4,950-4,960 SANDSTONE - wh-clr, vf-fgr, m srt, sbang-sbrnd, calc cmt, vis oil, orng flor, p strmg cut.

4,960-4,970 SHALE - rdbrn, gygn, frm, blky, occ sdy, sl-m calc.

4,970-4,980 SHALE - a/a.

4,980-4,990 SHALE - a/a.

4,990-5,000 SANDSTONE - wh, clr, vf-fgr, m srt, sbang-sbrnd, vp cmt, NSFOC.

5,010-5,020 SANDSTONE - a/a.

5,020-5,030 SANDSTONE - wh-clr, fgr, m srt, sbrnd, vp cmt, orng flor, f-g strmg cut, orng stn, vis oil.

5,030-5,040 SHALE - a/a.

5,040-5,050 SHALE - a/a.

5,050-5,060 SHALE - rdbrn, gygn, frm, blky, m calc.

5,060-5,070 SHALE - a/a.

5,070-5,080 SHALE - rdbrn, gygn, lav, frm, blky, sl-m calc.

5,080-5,090 SHALE - a/a.
SANDSTONE - vf-fgr, m srt, sbrnd, calc cmt, p cmt, vis oil, f strmg cut.

5,090-5,100 SHALE - a/a.
SANDSTONE - a/a.

5,100-5,110 SHALE - rdbrn, gygn, lav, frm, blky, sl-m calc.
SANDSTONE - wh-clr, vf-fgr, m-w srt, sbrnd, calc cmt, occ vis oil, orng flor, f strmg cut, dull orng stn.

5,110-5,120 SHALE - a/a.
SANDSTONE - a/a.

5,120-5,130 SHALE - brn, rdbrn, gygn, frm, blky, m calc.

5,130-5,140 SHALE - a/a.

5,140-5,150 SHALE - brn, rdbrn, gygn, frm, blky, m calc.
Tr SANDSTONE.

5,150-5,160 SHALE - a/a.
Tr SANDSTONE.

LITHOLOGY (Cont.)

5,160-5,170 SHALE - brn, rdbrn, frm, blky, m calc.

5,170-5,180 SHALE - a/a.
SILTSTONE - lt gy, lt gygn, frm, blky, sl-m calc.

5,180-5,190 SILTSTONE - a/a.
SHALE - a/a.

5,190-5,200 SHALE - brn, rdbrn, gygn, frm, blky, m calc.
SILTSTONE - a/a.

5,200-5,210 SILTSTONE - ltgy, ltgygn, frm, blky, occ sdy, m calc.
SHALE - a/a.

5,210-5,220 SILTSTONE - a/a.

5,220-5,230 SILTSTONE - a/a.
SHALE - a/a.

5,230-5,240 SILTSTONE - ltgy, ltgygn, frm, blky, occ sdy.
SHALE - a/a.

5,240-5,250 SILTSTONE - a/a.
SHALE - a/a.

5,250-5,260 SILTSTONE - ltgy, ltgygn, frm, blky, occ sdy.
Tr SANDSTONE - sl calc.

5,260-5,270 SILTSTONE - a/a.
SHALE - a/a.

5,270-5,280 SILTSTONE - ltgy, ltgygn, frm, blky, occ sdy, sl-m calc.
Tr SANDSTONE.

5,280-5,290 SHALE - rdbrn, lav, frm, blky, sl calc.

5,290-5,300 SILTSTONE - wh, ltgy, ltgygn, frm, blky, sl-m calc, occ sdy.

5,300-5,310 SHALE - rdbrn, gygn, lav, frm, blky, occ sdy, sl calc.

5,310-5,320 SHALE - a/a.
SANDSTONE - vfgr, m srt, sbang-sbrnd, calc cmt, occ vis oil, vp flor, p strmg cut.

5,320-5,330 SHALE - rdbrn, brn, frm, blky, sl-m calc.

5,330-5,340 SILTSTONE - ltgy, ltgygn, frm, blky, sl-m calc.

5,340-5,350 SHALE - a/a.
SILTSTONE - a/a.

5,350-5,360 SILTSTONE - lt gygn, lt gybrn, frm, blky, sl calc.

LITHOLOGY (Cont.)

5,360-5,370	SHALE - a/a. SILTSTONE - a/a.
5,370-5,380	SHALE - rdbrn, gygn, gy, frm, blky, sl calc.
5,380-5,390	SHALE - a/a. SILTSTONE - a/a.
5,390-5,400	SHALE - a/a. SILTSTONE - a/a.

WELL NAME:	Ouray Federal #1	PTD:	5400'
AREA:	Ouray Valley	ELEVATIONS:	5274' KB, 5262' GL
LOCATION:	Section 1, T6S-R19E	CONTRACTOR:	Veco #2
COUNTY:	Uintah	AFE NUMBER:	842638
STATE:	Utah	LSE NUMBER:	74651
FOOTAGE:	751' FSL & 590' FWL	TXO WI:	75%

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09/01/84 5306' PBTD, SITP 1000#. HU 2 phase vertical separator. Test well for 3 hrs. Well stabilized @ 132 MCFD, 800 BWPD, 31 BOPD. FTP 100# on 1" orifice. Rec 127 BW in 3 hrs, 4 BO in 3 hrs. RD separator. Unset pkr. Pump 30 bbls 3% KCL wtr dn tbg. Kill well. PU 2 jts tbg. Retrieve RBP. TOOH. RU Gearhart. RIH & tag fill @ 5035'. Correlate CCL w/ log dated 8/17/84. Perf Uintah "B" 4861-4864', 7 holes, 4868-4672', 9 holes, .36" dia. POOH. RD Gearhart. PU RBP. TIH to 4925'. Set RBP. PU 10'. Set pkr & test RBP to 2000# for 10 min, OK. POOH. LD 3 jts tbg. Set pkr @ 4830'. Test pkr 2000# for 10 min, OK. Bleed off press. SWI. SDFN. DW: 5950. CW: 315,310.

09/02/84 5306' PBTD, SITP 600#, SICP 0#. Blow well dn in 5 min. RU swab. IFL @ 600'. Made 3 swab runs. Well KO'd. Well flowed 42 BF (41 BW & 1 BO) from 6:30 AM to 8:30 AM. RD swab. Turn well to separtor. Well flowed 123 BF in 4 hrs (121 BW & 2 BO), 110 MCFD gas on 1" orifice, FTP 75#. Total fluid rec for day 165 (162 BW & 3 BO). SWI. SDFN. DW: 1525. CW: 316,835.

09/03/84 5306' PBTD, SDFS. DW: 0. CW: 316,835.

09/04/84 5306' PBTD, SDFH. DW: 0. CW: 315,835.

09/05/84 5306' PBTD, SITP 800#. Blew well dn in 10 min. Well began flowing wtr. Unset pkr. TIH to 4900. Set pkr. Test RBP to 3000# for 15 min, OK. Unset pkr. Roll hole w/ 9 ppg mud to kill well. TOOH w/ pkr & RBP. Inspect tools. Tools OK. TIH w/ pkr & RBP. Set RBP @ 4940'. POOH 8'. Set pkr. Test RBP to 3000# for 15 min, OK. Unset pkr. POOH w/ 3 jts. Roll hole w/ KCL wtr. Set pkr @ 4830'. Test pkr to 3000# for 15 min, OK. RU swab. made 4 swab runs. Well KO'd. Flow well 2 hrs. Rec 98 BW, tr oil. Fluid gas cut. SWI. SDFN. Will run tracer survey today. DW: 3435. CW: 320,270.

09/06/84 5306' PBTD, SITP 950#. Blow well dn in 5 mins. RU OWP. RIH w/ RA tracer tools. Hit bridge @ 4856'. POOH, unset pkr, PU 3 jts tbg. Make 3 wiper runs w/ pkr through perfs. POOH to 4830'. Reset pkr. Test pkr to 3000#, OK. RU OWP & RIH w/ tracer tools. Log well w/ tracer survey & temp survey. Logs indicate no channel. Production coming from perfs. AIR 1 BPM @ 1300#. POOH, LD tools. RD OWP. RU swab. Made 5 swab runs. KO'd well. Flowed approx 35 BLW to pit. SWI. SDFN. DW: 8625. CW: 328,895.

09/07/84 5306' PBTD, SITP 325#. Blow well dn. Unset pkr. PU 3 jts tbg. Retrieve RBP & TOOH. LD pkr & RBP. PU notched collar, 1 jt tbg, SSN, 157 jts tbg & TIH. Landed tbg @ 4940'. ND BOP's. NU wellhead. SWI. RD rig. Clean location. RR @ 4 PM 9/6/84. Note: 17 jts 2-3/8" on location, 158 jts in hole. 30 BO on location. Drop from report pending further operations. DW: 2575. CW: 331,470.

11/10/84 MIRUWSU. SITP 1500#. SICP 1500#. Blew well dn to pit. Kill well w/ wtr. ND wellhead. NU BOP. TOOH w/ tbg. RU NL McCullough. TIH. Set CIBP @ 4920'. Dump bail 2 sxs cmt on top. Set 2nd CIBP @ 4820'. Dump 2 sxs cmt on top. Load hole w/ wtr. ND BOP. Weld onto 4-1/2" csg. SDFN. DW: 8005. CW: 339,475.

11/11/84 PU csg. Pulled slips. Work csg. RU NL McCullough. Run free pt. Free @ 3990'. TIH w/ jet cutter. Cut off csg @ 3977' KB. TOOH. TOOH & LD csg. SDFN. DW: 6000. CW: 345,475.

11/12/84 TIH w/ 2-3/8" tbg to 4077'. RU Halliburton. Set plugs as follows: 63 sxs 4077-3977', 66 sxs 364-164', 25 sxs @ surf. LD tbg. Installed dry hole marker. Well is P & A. FINAL REPORT!!! DW: 5745. CW: 351,220.

WELL NAME:	Ouray Federal #1	PTD:	5400'
AREA:	Ouray Valley	ELEVATIONS:	5274' KB, 5262' GL
LOCATION:	Section 1, T6S-R19E	CONTRACTOR:	Veco #2
COUNTY:	Uintah	AFE NUMBER:	842638
STATE:	Utah	LSE NUMBER:	74651
FOOTAGE:	751' FSL & 590' FWL	TXO WI:	75%

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08/24/84 MIRU Gibson Well Service. Spot frac tanks. Prep to frac. DW: 0. CW: 261,920.

08/25/84 5306' PBTD, SITP 900#. TFL @ 2500'. Made 4 swab runs. Rec 3.5 BO & 6.5 BW. FFL @ 4900'. Unset pkr. Swab FL dn to 4500'. TOOH w/ tbg. RU Dowell. Frac perfs 5014-5026' via csg as follows: 1000 gal toulene @ 3 BPM to load hole, 1000 gals 40# gel pad. Caught press @ 2100 gals. Incr rate to 15 BPM @ 3100#, 4000 gals 40# gel w/ 1 ppg 20/40 sd @ 15 BPM @ 2530#, 4000 gals 40# gel w/ 2 ppg 20/40 sd @ 15 BPM @ 2100#, 4000 gals 40# gel w/ 3 ppg 20/40 sd @ 15 BPM @ 1950#, 4000 gals 40# gel w/ 4 ppg 20/40 sd @ 15 BPM @ 1770#, 2000 gals 40# gel w/ 5 ppg 20/40 sd @ 15 BPM @ 1640#, 3370 gals slick wtr as flush @ 15 BPM @ 1520#. ISIP 1050#, 5 min 970#, 10 min 930#, 15 min 920#. Mx press 3100#. ATP 1800#. AIR 15 BPM. SWI. SDFN to let gel brk. BLWTBR 728. DW: 30,790. CW: 292,710.

08/26/84 5306' PBTD, SITP 150#. Opened well & flowed 3 BLW in 1 hr. TIH w/ tbg to 5035'. Tag no sd. PU tbg to + 4960'. RU swab. IFL @ surf. Made 27 swab runs. Rec 198 BLW. Av 8 BLW per run. FFL 1400'. Tr oil in last 10 runs. Last 15 runs fluid was gas cut. LWOTTON. SDFN. BLWTBR 527. DW: 1650. CW: 294,360.

08/27/84 5306' PBTD, SICP 150#. IFL 300'. 1st swab run tr oil. Made 31 swab runs. Rec 308 BLW. FL stable @ 1400'. Fluid is gas cut frac fluid w/ tr oil cut. Av entry rate 28 BPH. SWI. SDFN. DW: 1650. CW: 296,010.

08/28/84 5306' PBTD, SICP 50#, SITP 50#. IFL 600'. Made 23 swab runs. Rec 268 BF. Gas cut w/ tr oil. FL stable @ 1400'. Wtr sample taken @ 690 bbls recovered. Samples indicate diluted frac fluid. Cl-9500 ppm, sg 1.012, ph 7. Wtr sample taken on last run. SWI. SDFN. 46 bbls over load recovered. DW: 1650. CW: 297,660.

08/29/84 5306' PBTD, SITP 175#, SICP 100#. IFL 600'. Made 14 swab runs. Rec 2 BO on top of first run. Rec 134 BW total. Slight gas cut fluid, tr oil cut. FL stable @ 1400'. 180 bbls overload. 28 BPH fluid entry. TIH & tag sd @ 5042'. TOOH. RU Gearhart. TIH w/ 3-1/8" csg gun. Perf 4955-4966', 1 JSPF, 12 holes, .36" dia. TOOH. RD Gearhart. No reaction after perf. PU 4-1/2" Model "A" RBP & Model 32A tension pkr, 2-3/8" SSN on 2-3/8" tbg. Set RBP @ 4985'. PU 5'. Set pkr. Test to 1000#, 15 min, OK. TOOH & set pkr @ 4725'. PT pkr to 1000# for 15 min, OK. RU swab. IFL @ surf. Made 4 swab runs. Rec 21 BF. Last run dry. Left tbg open to pit overnight. SDFN. Wtr sample #2: rec'd @ 46 bbls overload, analysis indicates fm wtr Cl 12,250, total dissolved soldis 22,683 ppm, Rw=1.014 ohms @ 74°F, sg 1.014. DW: 6150. CW: 303,810.

08/30/84 5306' PBTD, SICP 0#. FTP TSTM. Light blow. IFL 4000'. 1st run fluid highly gas cut. Rec'd 1 BW & 1 BO. 2nd run dry. Waited 30 min. Made 4 runs in 1/2 hr increments. Rec'd 1/4 BW per run. Gas cut tr oil. RU Western. Acidize as follows: pumped 750 gals 15% HCL spearhead acid, overflush w/ 2 bbls 2% KCL wtr @ 1 BPM. Brk dn @ 19 bbls away, 2100# to 1600# @ 3 BPM. Slowed rate to 1 BPM. AP 900#, Mx press 2000#. AIR 1 BPM. Mx rate 3 BPM. ISIP 250#, 0# in 4 min. BLWTBR 39. RU swab. IFL @ surf. From 12-3 PM made 8 swab runs. Rec'd 91 BF, heavy gas cut fluid. Est 3 BO. No measure on gas. Tbg blowing hard. Est 100 MCFD. From 3-6 Pm well KO. Made 36 BW. Heavy gas cut, 5 BO. Av 12 BWPH, 1.6 BOPH. Total wtr rec'd 127 bbls. Total oil 8 bbls. SWI. SDFN. DW: 4175. CW: 307,985.

08/31/84 5306' PBTD, SITP 1075#. Opened well to flat tank. Flowed well for 8 hrs. Well stable @ 50# FTP on 3/4" ch. Made 210 BW, 8 BO very gas cut. No gauge on gas. SWI. SDFN. DW: 1375. CW: 309,360.

WELL NAME:	Ouray Federal #1	PTD:	5400'
AREA:	Ouray Valley	ELEVATIONS:	5274' KB, 5262' GL
LOCATION:	Section 1, T6S-R19E	CONTRACTOR:	Veco #2
COUNTY:	Uintah	AFE NUMBER:	842638
STATE:	Utah	LSE NUMBER:	74651
FOOTAGE:	751' FSL & 590' FWL	TXO WI:	75%

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08/12/84 cont. Pacesetter "lite" w/ 5#/sx Hi-seal. Tail w/ 230 sxs of Cl "H" w/ 5% KCL, 5#/sx Hi-seal. Dspl w/ 85 bbls 3% KCL. PD @ 2:30 PM. BP @ 700# @ 2:30 AM 8/12/84. RD Western. ND BOP's. Set slips w/ 46,000#. Cut off. RR @ 5 AM 8/12/84. WOCT. Drop from report until completion begins. DW: 4700. CW: 153,250. DD 17.

08/17/84 5306' PBTD, MIRU Gibson well service. ND tbg head. NU BOP's. PU bit, csg scraper, SSN & TIH w/ 171 jts 2-3/8", 4.7#, J-55, tbg. Tag PBTD @ 5306' KB. Float @ 5333'. PT csg to 2000#, 15 min, OK. TOOH. LD 11 jts tbg. RU swab. Swab FL dn to 1500'. TOOH to 4900'. SDFN. DW: 58,560. CW: 211,810.

08/18/84 5306' PBTD, fin TOOH w/ tbg, bit & scraper. LD bit & scraper. RU Gearhart. TIH w/ GR & CCL. Tag up @ 5300'. Correlate w/ CNL-FDC log dated 8/11/84. POOH. TIH w/ 3-1/8" csg gun. Perf Uintah "B" 5014-5026', .36" dia, 25 holes. No reaction. RD Gearhart. PU Model 32A pkr, 1 jt tbg, SSN & TIH w/ 159 jts tbg. Set pkr @ 4965' KB. PT pkr to 2000#, 15 min, OK. Bled off press. RU swab. Tag FL @ 2500'. Made 7 swab runs. Swab FL dn to SSN. Light blow gas. Rec'd 24 BF. FFL @ SSN (4934'). Rec 1 BO, 23 bbls 3% KCL. SWI. SDFN. DW: 28,810. CW: 240,620.

08/19/84 5306' PBTD, SITP 300#. RU swab. Tag FL @ 1500'. 3500' fluid entry overnight. Could not get swab cups dn in fluid. Unset pkr. Pumped 3% KCL dn annulus. Reverse 23 BF to flat tank (approx 6 BO & 4 BW in tbg). Reset pkr. PT 2000#, 15 min, OK. RU swab. Made 6 swab runs. Rec 30 BF (24 BW & 6 BO). Swab FL dn to SSN. Gas blow after each run. RU Dowell. Acidize w/ 12 bbls xylene heated to 80°F, 60 bbls 15% HCL MSR acid w/ additives @ 105°F w/ 10% para-sperse, 6 bbls toulene @ 80°F. Dspl w/ 23 bbls 3% KCL wtr @ 105°F. Mx rate 1 BPM, Mx press 1980#, AP 1000#, AIR 1 BPM. ISIP 700#, 5 min 630#, 10 min 600#, 15 min 570#. SWI. RD Dowell. SDFN. 101 BLWTR. DW: 12,050. CW: 252,670.

08/20/84 5306' PBTD, SITP 0#. RU swab. IFL 50'. Made 14 swab runs. Light gas blow for 5 min after each run. Rec 66 BF, 25-30% oil cut spent acid. Oil show after 25 BF swabbed. FL swabbed dn to SSN in 7 runs. Went to hourly runs. 2000' fluid entry (7 bbls) per hr. Fluid entry rate remained steady through day. Pour 10 gal xylene dn tbg @ end of day. SWI. SDFN. DW: 2100. CW: 254,770.

08/21/84 5306' PBTD, SITP 675#. RU swab. IFL @ 2000'. Made total 8 swab runs. After 2 runs tbg swab dn to SSN. Went to hourly swab runs. FL stable @ 3000' throughout day. Fluid very gas cut. Rec 40 BF, 5 BO & 35 BLW. Pour 10 gals xylene dn tbg. SWI. SDFN. BLWTBR 0. Stable fluid entry rate 7 BPH. DW: 2250. CW: 257,020.

08/22/84 5306' PBTD, SITP 775#. Blow well dn in 20 mins. RU swab. IFL @ 3000'. After first swab run began making hourly runs. Made 12 swab runs. FL stable @ 3400-3700'. Rec 46.5 BF. Gas blow 10 mins after run. Fluid is very gas cut. Pour 10 gals xylene dn tbg. Stable fluid entry rate 5 BPH, 30-40% oil cut. SWI. SDFN. Note: 40 BO on location. DW: 2300. CW: 259,320.

08/23/84 5306' PBTD, SITP 800#. Blow well dn in 20 min. RU swab. IFL @ 2500'. After 2nd run FL @ SSN. Went to hourly swab runs. Made 7 swab runs. Rec 23 BF (17 BW, 6 BO). Fluid is very gas cut. Pour 10 gal xylene dn tbg. SWI. RR @ 3 PM 8/22/84. Note: 25-30% oil cut. Correction: 75 BW swabbed over load, 25 BO on location. Drop from report until production facilities are complete. DW: 2600. CW: 261,920.

WELL NAME:	Ouray Federal #1	PTD:	5400'
AREA:	Ouray Valley	ELEVATIONS:	5274' KB, 5262' GL
LOCATION:	Section 1, T6S-R19E	CONTRACTOR:	Veco #2
COUNTY:	Uintah	AFE NUMBER:	842638
STATE:	Utah	LSE NUMBER:	74651
FOOTAGE:	751' FSL & 590' FWL	TXO WI:	75%

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09/04/84 cont. UBGG. ST: Uintah "B" @ 4690'. 2-1/4° @ 4537'. DW: 6950. CW: 92,450. DD 9.

08/05/84 4870' (175'), PU DST tools. Uintah "B". 8.8, 46, 10.8, 11. Drld from 4695-4845'. DB: 4845-4855', 5 to 1-1/2 to 7 MPF, 67 units over 13 UBGG. SS stain, fluor & good cut. Drld to 4858'. DB: 4858-4863', 5 to 1-1/2 to 7 MPF, 40 units over 13 UBGG. Oil show same as above. Drld ahead to 4870'. Circ & cond mud. Raised mud visc. TOOH. DW: 6000. CW: 98,450. DD 10.

08/06/84 4870' (0'), circ & cond. Uintah "B". 8.8, 53, 9.6, 10.5. PU Halliburton DST tools for DST #1. TIH. Found 30' fill. DST #1 mis-run. TOOH. TIH to circ & cond, 600 UTG. Found 50' fill. Wash & ream to btm. Circ & cond. Raise visc. Hole apparently washed out. Short trip 10 stnds. Found 25' fill. Circ & cond. Short trip 10 stnds. Found 10' fill. Circ & cond. Run 10 bbls high visc mud sweep. Short trip. Found no fill. Circ & cond. DW: 5550. CW: 104,000. DD 11.

08/07/84 4960' (90'), drlg. Uintah. 8.9, 65, 7.6, 11. TOOH. PU DST tools for DST #2. TIH. No fill. Pkrs wouldn't set. Hole too large. TOOH. LD DST tools. PU 7-7/8" bit #4. TIH. Had 35' fill. Wash & ream to btm. Drld from 4870-4960', 30-40 UBGG, 400 UTG. DW: 10,600. CW: 114,600. DD 12.

08/08/84 5046' (86'), testing DST #3. Uintah "B". 8.9, 55, 8.8, 71. Drld from 4960-5046'. Drlg brk 5018-5030'. Ss, clear, fn gr, 9-1½-5 MPF, 22-200-35 UBGG. C_1 thru C_4 visible oil in samples. Circ & cond hole. Short trip 10 stnds. Found 3' fill. Circ & cond hole. TOOH for DST #3. RU Halliburton. TIH. Set pkr @ 5018'. Open tool @ 6:07 AM. Opened w/ 1/4" blow, in 10 min 12" blow, in 15 min guage @ 21 oz. 1° @ 5046'. DW: 6150. CW: 120,750. DD 13.

08/09/84 5121' (75'), drlg. Green River. 9.1, 47, 8.2, 10. DST #3, 5018-5046', Uintah "B". IFP, TO w/ 1/4" blow, build to 1-1/4 psi in 13 min, decr to 21 oz @ end of flow period. FFP, TO w/ 3 oz blow, in 5 min 5 oz, 6 min 3 oz, 9 min 10 oz, 26 min 1-1/2 oz, 36 min 2 oz, 60 min 2-1/2 oz. Rec 1595' fluid: 800' oil, 600' mud, 195' wtr, GTS on second open in 23 min, 3-4' lazy flare, no gauge. IHHP 2364#, IFP (30 min) 81/338#, ISIP (60 min) 2025#, FFP (60 min) 405/729#, FSIP (120 min) 2025#, FHHP 2337#, BHT 108°F. BHSC @ 1000#, 300 cc oil, .541 ft^3 gas, 1750 cc wtr. Total 2050 cc. Rw=2.3 @ 91°F, Cl^- 2100 ppm. TOOH w/ 54 stnds. Had 1600' fluid. Rev circ. Fin TOOH. LD DST tools. PU bit #4 re-run. TIH. Drld from 5046-5121', no shows, 800 UTG, 30-50 UBGG. Sample top: Green River @ 5120'. DW: 8600. CW: 129,350.

08/10/84 5355' (234'), drlg. Green River. Drilled from 5121-5355'. Ss 5318-22', 80 units over 35 UBGG, no drlg brk. Corrected ST Green River 5090'. DW: 4850. CW: 134,200. DD 15.

08/11/84 5394' (39'), TIH w/ DP & DC's. Green River. 9.3, 52, 9.6, 10. Drld from 5355-5391'. Lost returns. Mix 30% LCM, 50 bbl pill. Regain circ. Drld to TD of 5394'. TD 7-7/8" hole 8/10/84 @ 11 AM. Circ & cond. Short trip 10 stnds. Found 1' fill. Circ & cond. TOOH. RU Gearhart. Run DIL, CNL-FDC, GR, CAL. RD Gearhart. TIH to circ & cond. 1/2° @ 5394'. DW: 14,350. CW: 148,550. DD 16.

08/12/84 5394' (0'), RDRT. Green River. 9.3, 52, 9.6, 10. Fin TIH. Wash & ream to btm 30'. Circ & cond hole. Short trip 10 stnds. Circ & cond. TOOH. LD DP & DC's. RU & run 125 jts 4-1/2", 10.5#, K-55, ST&C csg (0-5375'). Shoe @ 5375'. Float @ 5333'. RU Western. Circ w/ mud for 45 min. Pumped 20 bbls of mud flush. Cmtd w/ 210 sxs of

WELL NAME:	Ouray Federal #1	PTD:	5400'
AREA:	Ouray Valley	ELEVATIONS:	5274' KB, 5262' GL
LOCATION:	Section 1, T6S-R19E	CONTRACTOR:	Veco #2
COUNTY:	Uintah	AFE NUMBER:	842638
STATE:	Utah	LSE NUMBER:	74651
FOOTAGE:	751' FSL & 590' FWL	TXO WI:	75%

****

APCOT FINADEL JOINT VENTURE
P. O. Box 2159, Ste. 1848
Dallas, Texas 75221
Attn: Houston Welch

Just Mail

BOW VALLEY PETROLEUM, INC.
1700 Broadway, Ste. 900
Denver, Colorado 80290
Attn: Tom Gillen
Phone: (303) 861-4366

Just Mail

INTERNORTH
7600 E. Orchard, Ste. 300
Harliquin Plaza South
Englewood, Colorado 80111
Attn: Drew Morris

Just Mail

****

07/26/84 MIRU Veco Rig #2. DW: 0. CW: 0.

07/27/84 275' (275'), drlg out cmt. Spudded 12-1/4" hole @ 6:30 AM 7/26/84. Drld to 275'. Circ & cond. TOOH. Run 6 jts 8-5/8", 24#, K-55, ST&C csg from 0-264'. Shoe set @ 264', float set @ 222'. Pumped 35 bbls of wtr, cmtd w/ 175 sxs Cl "H", 1/4#/sx celloflake w/ 2% $CaCl_2$. Dspl w/ 14.5 bbls H_2O. PD @ 5:30 PM. Baffle held. Full returns. NU & test BOP's to 800#/15 min. OK. TIH w/ 7-7/8". Drill cmt. 1/2° @ 265'. DW: 18,300. CW: 18,300.

07/28/84 1521' (1246'), drlg. 8.3, 28. Drld from 275-1521'. Some tight connections. Incr mud sweeps. 3/4° @ 646', 1/4° @ 1038'. DW: 18,500. CW: 36,800. DD 2.

07/29/84 2535' (1014'), drlg. Uintah. 8.4, 28. Drld from 1521-2535'. Some tight connections. UBGG 0. No shows. 1/4° @ 1470', 1/2° @ 1987', 3/4° @ 2489'. DW: 14,700. CW: 51,500. DD 3.

07/30/84 3120' (585'), drlg. Uintah. 8.9, 30. Drld from 2535-3120'. Sweep when necessary. Gas incr @ 2640', 35 units decr to UBGG 6. 1/2° @ 2921'. DW: 9650. CW: 61,150. DD 4.

07/31/84 3433' (323'), wash & ream to btm. Uintah. 8.3, 28. Drld to 3433'. Bit locked up. TOOH w/ bit #2. PU bit #3. TIH. Wash & ream to btm 40'. No background gas. UTG 35. 1/4° @ 3418'. DW: 6400. CW: 67,550. DD 5.

08/01/84 3980' (537'), drlg. Uintah. Varying wt & RPM to control deviation. At 3947', had 400 UCG. No drlg brk. Drld ahead to 3980', 0 UBGG. 2-1/4° @ 3947'. 2-1/4° @ 3947'. DW: 8900. CW: 76,450. DD 6.

08/02/84 4215' (235'), drlg. Uintah. 8.4, 28. Drld from 3980-4215' w/ 7-7/8" bit. At 4196' had 200 UCG, 20 UBGG. 2-3/4° @ 4190'. DW: 5050. CW: 81,500. DD 7.

08/03/84 4385' (170'), drlg. Uintah. 8.5, 29. Drill from 4215'. At 4246' had tight hole. Drill to 4305'. TOOH for bit #4. TIH & wash & ream 40' & drill to 4385'. 110 UTG @ 4305', 20 UBGG. DW: 4000. CW: 85,500. DD 8.

08/04/84 4695' (310'), drlg. Uintah "B". 8.5, 35, 10.4, 11. Drld from 4385-4695'. Mudded up hole @ 4500'. LC @ 4574' & 4617'. Lost approx 50 bbls. DB: 4656-4666', 4/1/4 MPF. Clean wht sd, no fluor, 5/35/5

TXO

TXO PRODUCTION CORP.
1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

January 2, 1985

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

Attn: Ms. Dianne R. Nielson
Director

RE: OURAY FEDERAL #1
Section 1, T6S-R19E
Uintah County, Utah

Gentlemen:

Please find enclosed two (2) copies of Form 9-330, "Well Completion or Recompletion Report and Log", and Form 9-331, "Sundry Notices and Reports on Wells", for the above referenced well. Also find enclosed a copy of the well history.

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

Sincerely,

TXO PRODUCTION CORP.

Mark E Repasky

Mark E. Repasky
Petroleum Engineer

MER/dee
encls.

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other D & A
2. NAME OF OPERATOR: TXO PRODUCTION CORP.
3. ADDRESS OF OPERATOR: 1800 Lincoln Cntr. Bldg., Denver, Co. 80264
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
   AT SURFACE: 751' FSL & 590' FWL, Sec.1
   AT TOP PROD. INTERVAL: same as above
   AT TOTAL DEPTH: same as above
5. LEASE: U-27036
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Ouray Federal
9. WELL NO.: #1
10. FIELD OR WILDCAT NAME: Sand Wash
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 1, T6S-R19E
12. COUNTY OR PARISH: Uintah
13. STATE: Utah
14. API NO.:
15. ELEVATIONS (SHOW DF, KDB, AND WD): 5274' KB
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	☐	☐
FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☒	☐
(other)		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Operator requests approval to P & A the above well as follows:
Plug #1 CIBP @ 4920' w/ 2 sxs cmt on top.
Plug #2 CIBP @ 4820' w/ 2 sxs cmt on top.
Cut off 4-1/2" csg @ 3977'.
Plug #3 from 3877-4077' w/ 63 sxs.
Plug #4 from 364-164' w/ 66 sxs.
Plug #5 w/ 25 sxs @ surf w/ dry hole marker.

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JAN 07 1985
DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Mark E Ryasey TITLE Petroleum Engineer DATE Jan 2, 1985

(This space for Federal or State office use)

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

ACCEPTED
~~APPROVED~~ BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 1/8/85
BY: John R Baza

*See Instructions on Reverse Side

Form 9-330
(Rev. 5-63)

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.

13

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: U-27036

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Ouray Federal

9. WELL NO.: #1

10. FIELD AND POOL, OR WILDCAT: ~~Sand Wash~~ Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 1, T6S-R19E

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

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

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JAN 07 1985
DIVISION OF
OIL, GAS & MINING

2. NAME OF OPERATOR: TXO PRODUCTION CORP.

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

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 751' FSL & 590' FWL, Sec. 1. SWSW
At top prod. interval reported below: same as above
At total depth: same as above

14. PERMIT NO.: 43-047-31514 DATE ISSUED: 7-18-84

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
7/26/84	8/10/84	N/A 11-12-84	5274' KB	5262'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5394' MD&TVD	N/A		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL-CNL-FDC-GR-Cal BRC Laserlog Sample

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#	264'	12-1/4"	175 sxs Cl "H"	none
4-1/2"	10.5#	5375'	7-7/8"	210 sxs lite, 230 sxs Cl "H"	3977'

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)

5014-5026', .36" dia, 25 holes.
4955-4966', .36" dia, 12 holes.
4861-64', 4868-4872', .36" dia, 16 holes.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5014-26' - 500	gals xylene, 2500 gals 15% HCL,
1000	gals toulene, 19,000 gals gelled
wtr,	50,000# 20/40 sd.
4955-66' - 750	gals 15% HCL.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
		P & A

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: DST's

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

SIGNED Mark E Ryasey TITLE Petroleum Engineer DATE Jan 2, 1985

*(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.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Uinta "B"	4861'	4864'	gas, wtr.
Uinta "B"	4868'	4872'	gas, wtr.
Uinta "B"	4955'	4966'	wtr.
Uinta "B"	5014'	5026'	gas, wtr.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Uinta "B"	4690'	4690'
Green River	5096'	5096'

U. S. GOVERNMENT PRINTING OFFICE : 1975 O - 574-472

871-233