

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 MAPCO Oil & Gas Company

3. ADDRESS OF OPERATOR
 705 S. Elgin Ave., P.O. Box 2115, Tulsa, OK 74101-2115

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 2382' / 1350'
 -2432' FNL & -1400' FEL SW NE
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 10 miles SW of Ouray

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1400'

16. NO. OF ACRES IN LEASE 2240

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 274'

19. PROPOSED DEPTH ±4450'

20. ROTARY OR CABLE TOOLS
 Rotary surface to TD

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5162' GR

22. APPROX. DATE WORK WILL START*
 October 15, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 U-013760

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 River Bend

8. FARM OR LEASE NAME
 RBU

9. WELL NO.
 10X-15E

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 15-T10S-\$19E

12. COUNTY OR PARISH 13. STATE
 Uintah Utah

PROPOSED CASING AND CEMENTING PROGRAM

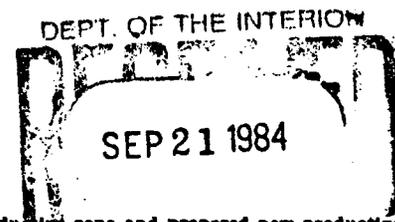
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	+400'	Cmt. calculated to surface
7-7/8"	5-1/2"	17#	+4450'	Cmt. calculated to surface

Subject exploratory well will be drilled to the proposed depth and set casing as above if producible hydrocarbons are indicated. Should the well be plugged and abandoned, it shall be done in accordance with instructions from the BLM.

Exhibits Attached

- "A" Plat
- "B" Drilling Plan
- "C" Blow-out Preventer Equipment
- "D" Surface Use Plan
- "E" Access Roads
- "F" Wellsite Layout
- "G" Production Facilities

SEP 1984
 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 Arny C. Beal TITLE Sr. Engr. Tech DATE 9-18-84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY Don Alwood TITLE ASSOCIATE DISTRICT MANAGER DATE 10-12-84
 CONDITIONS OF APPROVAL, IF ANY:

**CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY**

NOTICE OF APPROVAL

Div. O.G. & M.
 UT-280-4-11-114

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Mapco Oil and Gas Company Well No. 10X-15E
Location Sec. 15 T10S R19E Lease No. U-013766
Onsite Inspection Date 07-16-84

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

1. 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.

2. Pressure Control Equipment

Prior to drilling out the surface casing shoe, the ram-type preventers shall be tested to 2,000 psi, and the annular preventer shall be tested to 1,500 psi.

BOP and choke manifold 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 notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

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.

4. Coring, Logging and Testing Program

Daily drilling and completion reports will be submitted to this office on a weekly basis.

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 producing 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

6. Location of Tank Batteries and Production Facilities

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain $1\frac{1}{2}$ times the storage capacity of the battery.

Tank batteries will be placed on the west side of the location if the well is productive.

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.

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.

7. Methods of Handling Waste Disposal

The reserve pit will not be lined.

Burning will not be allowed.

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.

8. Ancillary Facilities

Camp facilities will not be required.

9. Well Site Layout

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

The stockpiled topsoil will be stored north of the location.

Access to the well pad will be from the north side of the location using a presently existing road. Considerable rock removal will be required in order to construct the west half of the pad.

10. Plans for Restoration of Surface

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

11. Other Information

The location was moved 50 feet east and 50 feet north at the time of the onsite. No new plat was required. The location is in a low sensitivity zone for cultural resources and we regard it as having been cleared on the basis of the previous samplings and their statistical evaluation.

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 not be required before any construction begins.

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 MAPCO Oil & Gas Company

3. ADDRESS OF OPERATOR
 705 S. Elgin Ave., P.O. Box 2115, Tulsa, OK 74101-2115

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At NW 1/4 of ^{1385'} ~~2182'~~ FNL & ^{1350'} ~~1400'~~ FEL SW NE
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 10 miles SW of Ouray

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1400'

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21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5162' GR

22. APPROX. DATE WORK WILL START* October 15, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 U-013760

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 River Bend

8. FARM OR LEASE NAME
 RBV

9. WELL NO.
 10X-15E

10. FIELD AND POOL, OR WILDCAT
 NATURAL BUTTES
 Wildcat

11. SEC., T. R. M., OR BLK. AND SURVEY OR AREA
 Sec. 15-T10S-\$19E

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

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#	+400'	Cmt. calculated to surface
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Subject exploratory well will be drilled to the proposed depth and set casing as above if producible hydrocarbons are indicated. Should the well be plugged and abandoned, it shall be done in accordance with instructions from the BLM.

Exhibits Attached

- "A" Plat
- "B" Drilling Plan
- "C" Blow-out Preventer Equipment
- "D" Surface Use Plan
- "E" Access Roads
- "F" Wellsite Layout
- "G" Production Facilities

RECEIVED
SEP 21 1984

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

DIVISION OF OIL
GAS & MINING

DATE: 9/11/84

BY: [Signature]

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 [Signature] TITLE Sr. Engr. Tech DATE 9-18-84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

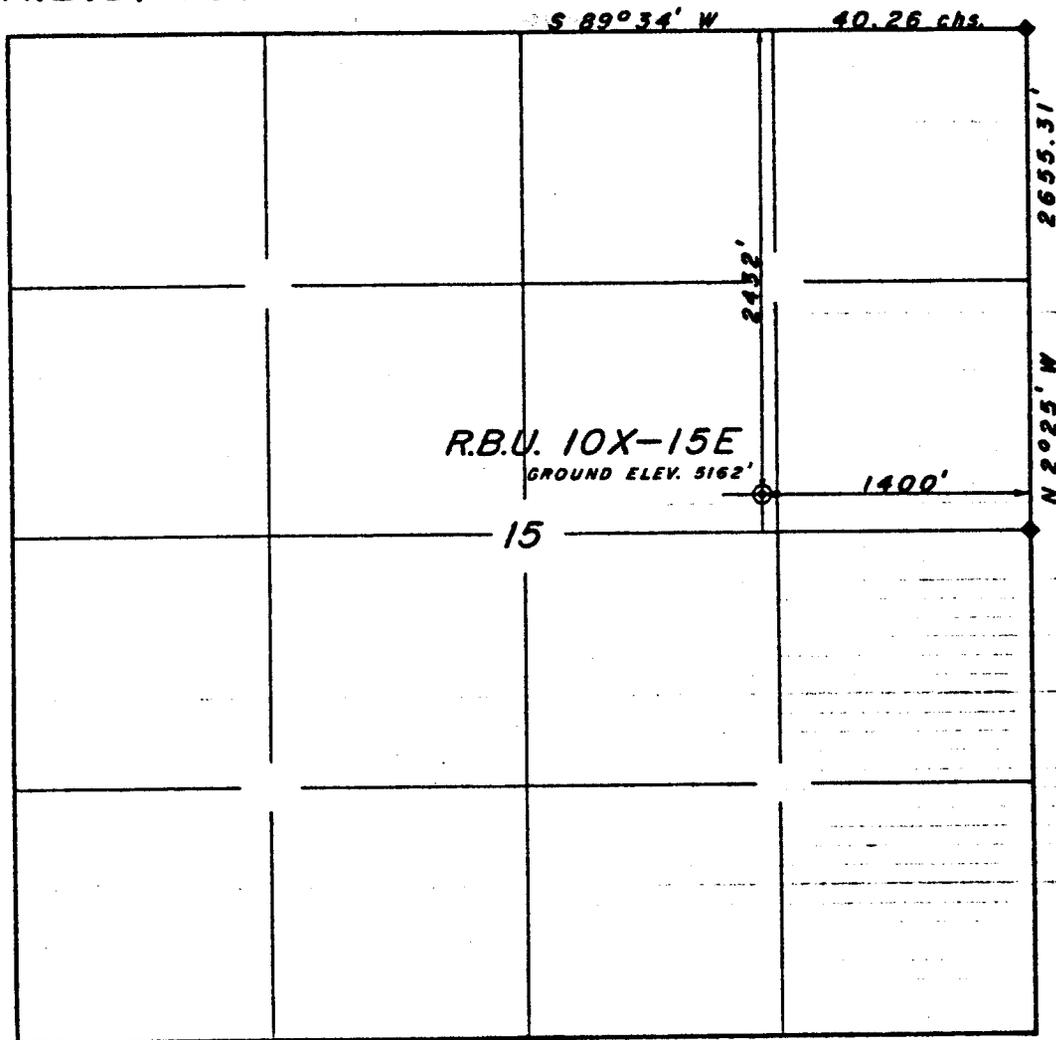
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

**MAPCO, INC.
WELL LOCATION PLAT
R.B.U. 10X-15E**

LOCATED IN THE SW $\frac{1}{4}$ OF THE NE $\frac{1}{4}$ OF
SECTION 15, T10S, R19E, S.L.B.&M.

EXHIBIT "A"



LEGEND & NOTES

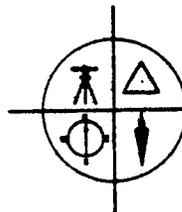
- ◆ FOUND ORIGINAL CORNER MONUMENTS
USED FOR THIS SURVEY.

THE GENERAL LAND OFFICE PLAT WAS
USED FOR REFERENCE AND CALCULATIONS.

SURVEYOR'S CERTIFICATE

I hereby certify that this plat was prepared
from field notes of an actual survey
performed by me, during which the shown
monuments were found or established.

Jerry D. Allred
Jerry D. Allred, Registered Land
Surveyor, Cert. No. 3817 (Utah)



JERRY D. ALLRED & ASSOCIATES
Surveying & Engineering Consultants

121 North Center Street
P.O. Drawer C
DUCHESNE, UTAH 84021
(801) 738-5352

6 July 1984

79-128-109

ONSHORE OIL AND GAS ORDER NO. 1Drilling Plan

MAPCO Oil & Gas Company
 River Bend Unit
 RBU 10X-15E
 Section 15, T10S, R19E
 2432' FNL & 1400' FEL
 Uinta County, Utah

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>	<u>Datam</u>
Surface	0'	+5162
X-Marker	1997'	+3165
Green River D-Zone	3024'	+2138
Wasatch Tongue	4224'	+ 938

2. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Green River D-Zone	3024'	Water
Wasatch Tongue	4224'	Oil

3. Operators Minimum Specifications for Pressure Control

(See Exhibit "C")

Exhibit "C" is a schematic diagram of the BOPE. BOP's and choke manifold will be installed and pressure tested before drilling out casing cement plugs. The BOP's will be pressure tested to 1000 psi and annular type preventer to 750 psi. Pipe rams will be operated daily and blind rams as possible.

4. Proposed Casing Program

<u>Size of Casing</u>	<u>Weight & Grade</u>	<u>Setting Depth</u>	<u>Quantity of Cement</u>
8-5/8"	24#, K-55	± 400'	Calculated to surface
5-1/2"	17#, K-55 & N-80	± 4450'	Calculated to surface

5. Proposed Mud Program

The well is to be drilled with a salt water mud system maintaining a weight of approximately 9#/gal with 10# gal salt-water weighting material on location sufficient to weight up for pressure control. No chromates will be used in the drilling fluid.

6. Auxiliary Equipment To Be Used

- 1) Kelly Cock
- 2) Full opening valve on floor with DP connection for use when kelly is not in string
- 3) Pit volume indicator

7. Testing, Logging and Coring Program

A two (2) man mud logging will be in operation from base of surface casing to TD.

Testing: No DST's are anticipated

Coring: 60' core determined by wellsite geologist.

Logging: GR-DLL, FDC-CNL-Caliper

Exact logging detail and procedures will be prepared prior to reaching logging depth.

8. Any Abnormal Pressures or Temperatures

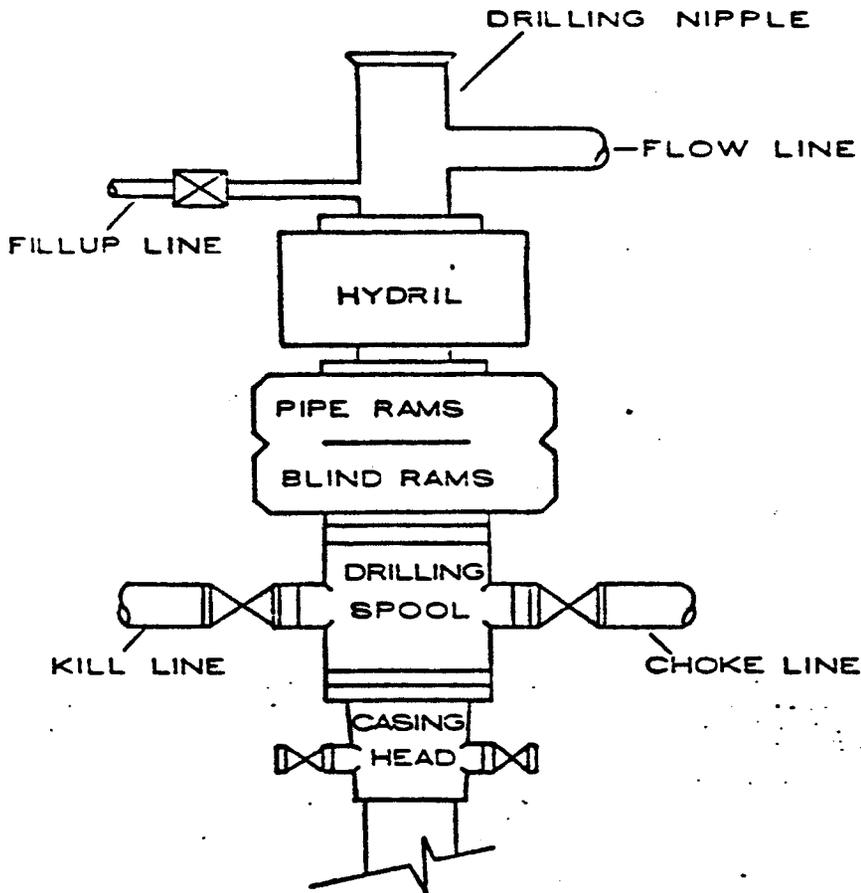
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H₂S gas. Maximum anticipated BHP is 2500 psi at total depth.

9. Anticipated Starting Date and Duration of Operations

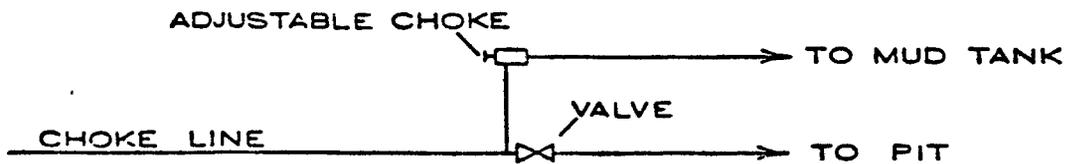
Starting Date: October 1984

Duration: 10 days

BOP STACK



CHOKER MANIFOLD



ONSHORE OIL AND GAS ORDER NO. 1Surface Use Plan

MAPCO Oil & Gas Company
River Bend Unit
RBU 10X-15E
Section 15, T10S, R19E
2432' FNL & 1400' FEL
Uintah County, Utah

The operator or his contractor will contact the Vernal District BLM, Bookcliffs Resource Area, 48 hours prior to beginning any work on public lands.

The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.

1. Existing Roads

- A. The proposed wellsite and elevation is shown on the plat, Exhibit "A". The location and existing roads are shown on Exhibit "E". There is no anticipated construction on any existing roads.
- B. The proposed wellsite is located in the River Bend Unit, approximately 10 miles SW of Ouray, Utah.

2. Access Roads To Be Constructed

- A. No access road required. Access will be via existing access to the RBU 10-15E.
- B. Construction and maintenance of roads, rehabilitation of disturbed areas and construction of pipeline routes will be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development".
 - a. Width: Not applicable.
 - b. Maximum Grade: Not applicable.
 - c. Turnouts: None
 - d. Drainage: Not applicable.

- e. Culverts: None
 - f. Surface Material: Not applicable.
 - g. Gates, cattle guards, fence cuts: None
- C. All travel will be confined to existing access road rights-of-way.

3. Location of Existing Wells

All existing wells known in the area are shown on Exhibit "E".

Wells within a one mile radius are listed below:

- A. Water wells: None
- B. Abandoned wells: None
- C. Temporarily abandoned wells: None
- D. Disposal wells: None
- E. Drilling wells: None
- F. Producing wells: OSC 7-15, 10-15E, 1-15E, 3-14E, 11-14E, 1-22E
- G. Shut-in wells: None
- H. Injection wells: None
- I. Observation wells: None

4. Location of Tank Batteries and Production Facilities

- A. The location of existing and/or proposed facilities owned or controlled by the lessee/operator within a one mile radius are shown on Exhibit "E".
 - a. Tank batteries: At above producing wells
 - b. Production facilities: None
 - c. Oil gathering lines: None
 - d. Gas gathering lines: None
 - e. Injection lines: None
 - f. Disposal lines: None
- B. It is contemplated that, in the event of production, all new facilities will be easily accomodated on the drill pad. The dimensions of the production facilities and their orientation is shown on Exhibit "G". Location of production facilities will be per Conditions of Approval of Notice to Drill.
- C. Concrete and gravel as needed will be purchased from private sources.
- D. All permanent structures constructed or installed, including 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. Facilities required to comply with O.S.H.A. will be excluded.

- E. Pits will be fenced to minimize any hazard to sheep, cattle, antelope and other animals that graze the area. Flagging material will be used as needed if water or other fluid is produced.
- F. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

5. Location and Type of Water Supply

- A. Water for drilling purposes will be hauled from the Green River permit #T5975049-1283.

6. Source of Construction Material

- A. Road surfacing and pad construction material will be native soil consisting of sandy-clay, sandstone and shale gathered in actual construction of the road and location. Construction materials will be located on the lease. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3 regulations.

7. Methods of Handling Waste Disposal

- A. Drill cuttings will be buried in the reserve pit when covered.
- B. All drilling fluids will be handled in the reserve pit. The reserve pit will be lined if necessary after testing by the BLM. Location as determined in Conditions of Approval for Notice to Drill.
- C. Any fluids produced during testing will be collected in test tanks, water drained to the pit, and the oil saved.
- D. Sewage will be handled by portable chemical toilets.
- E. There will be no burning. Garbage and other waste material will be enclosed in a wire mesh container, and then disposed of in an approved waste disposal pit.
- F. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous pit will be fenced or covered.

8. Ancilliary Facilities

- A. No additional facilities not described herein are anticipated.

9. Wellsite Layout

- A. Exhibit "F" is the wellsite layout at a scale of 1"=40'.
- B. Stock piling of top soil will be per BLM Conditions of Approval for Notice to Drill.
- C. Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

10. Plans for Restoration of Surface

- A. Upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production. All trash will be hauled to a local sanitary landfill.
- B. The operator or his contractor will contact the Vernal BLM, Bookcliffs Resource Area, 24 hours prior to starting rehabilitation work that involves earth moving equipment and upon completion of restoration measures.
- C. Before any dirt work to restore the location takes place, the reserve pit will be completely dried and all trash (cans, barrels, pipe, etc.) will be removed. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed within a reasonable time period.
- D. All disturbed areas will be recontoured to the approximate natural contours.
- E. Prior to reseeding, the operator will consult with the Vernal BLM. The seed mixture will be as determined in Conditions of Approval for Notice to Drill. Then all disturbed areas, including access roads, will be scarified and left with a rough surface.
- F. 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.

11. Surface and Mineral Ownership

Bureau of Land Management
Vernal District Office
Bookcliffs Resource Area
170 South 500 East
Vernal, Utah 84078

12. Other Information

- A. Archeological clearance was previously performed (ref. A.E.R.C. paper No. 18, June 1980). If any cultural resources are found during construction, all work will cease and the BLM notified.
- B. There will be no deviation from this proposed drilling program without prior approval of the BLM.

13. Lessee's or Operator's Representative

J. D. Holliman
Mgr. of Production
Western Production Division
P. O. Box 2115
Tulsa, OK 74101
Phone: (918) 599-4001
or (918) 627-4739

or Dennis J. Brabec
Div. Drlg Superintendent
Western Production Division
P. O. Box 2115
Tulsa, OK 74101
Phone: (918) 599-4005
or (918) 371-9424

14. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which currently exist, 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 MAPCO Oil and Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

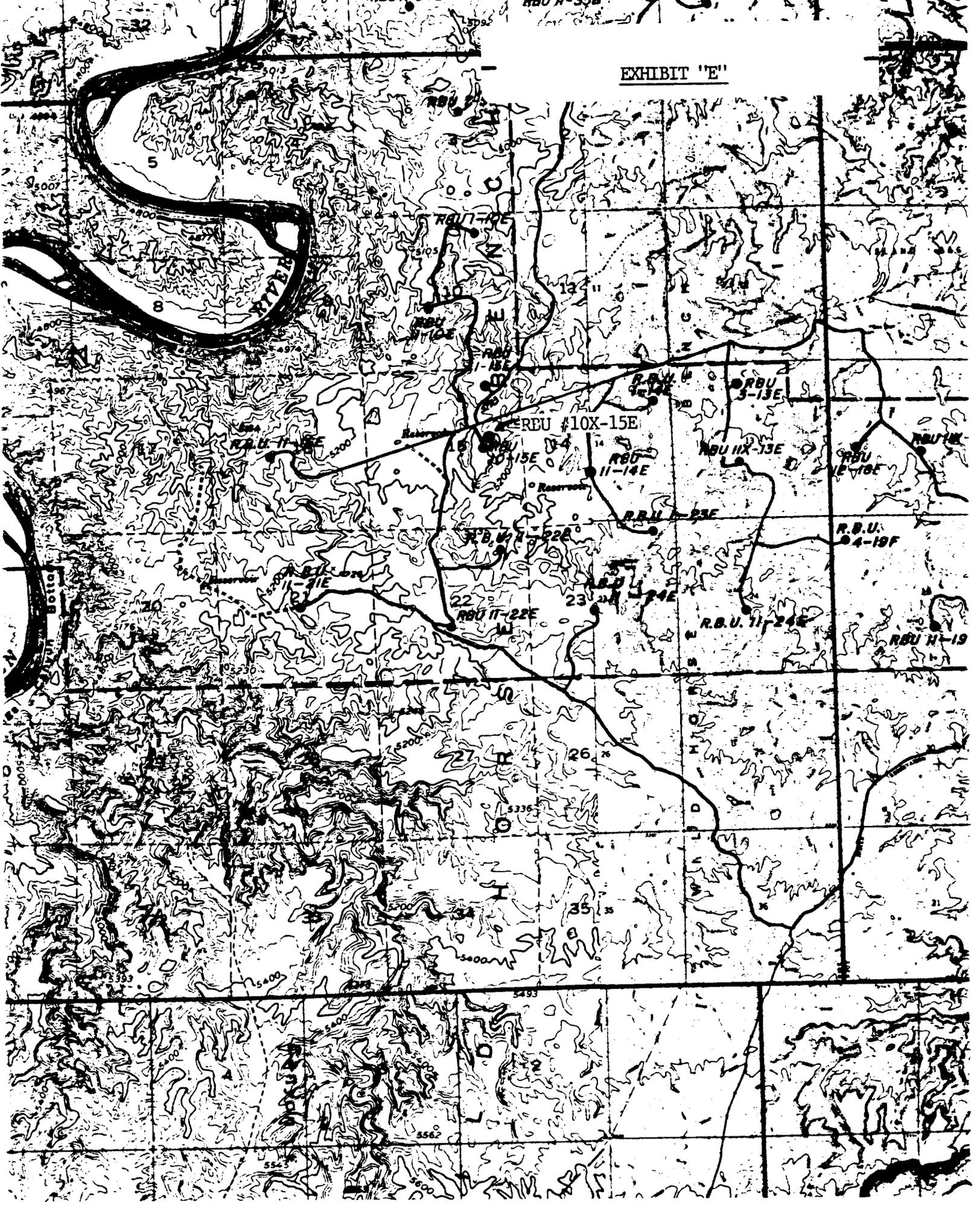
9-18-84
Date

Derry S. Lewis
Name

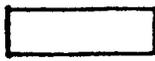
Division Engineer
Title

GCB/ab

EXHIBIT 'E'



Pumping Unit



Gas line from casing
1", 1.72#/ft. J-55 Seamless tbg.

Above ground flowline, 3-1/2" .216"
W.T. Sch. 40.

All flowlines & tanks insulated.

Production to go directly to tank.
When tank is full, fire tube heater
in the tank will be started & the
water drained to the water tank.

160' From well to Production Tanks

Load Line

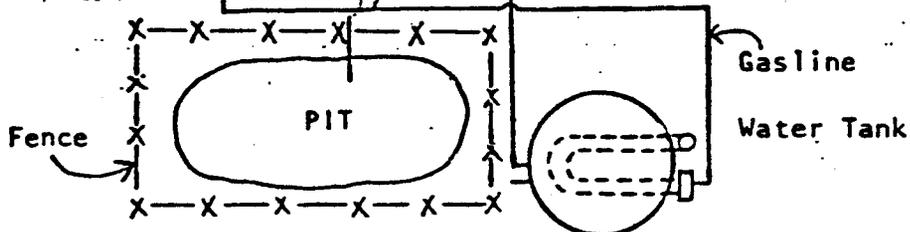
Production Tanks

Supported by
Walkway

All tanks to have ladders
and walkways.

Waterline, 2", .154" WT., Sch. 40.

TOP VIEW



Firetube Stack

Gas Vent Line

300 Bbl. Welded
Production Tanks w/ 8" heaters.

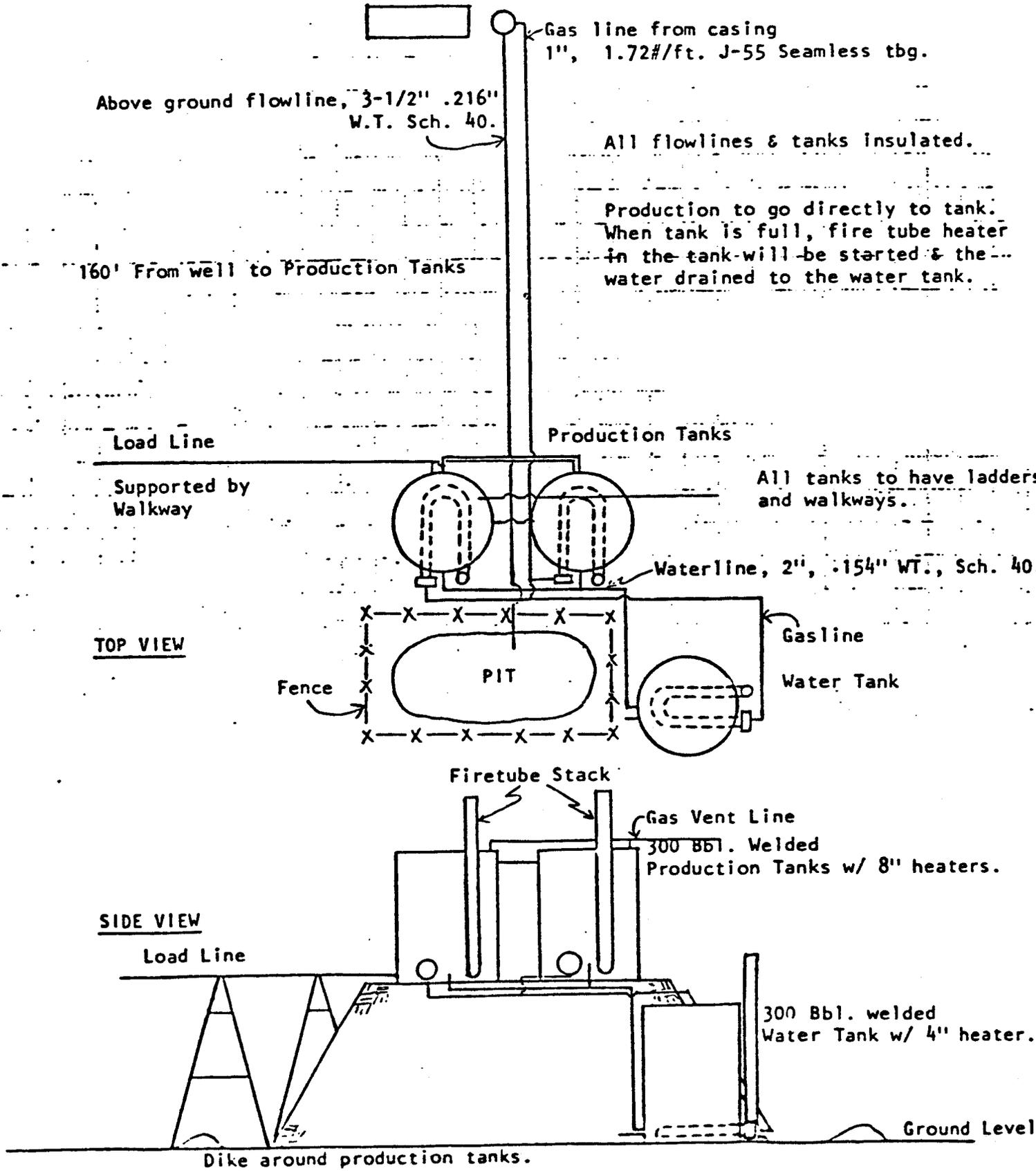
SIDE VIEW

Load Line

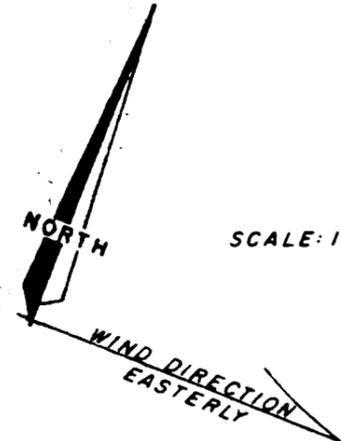
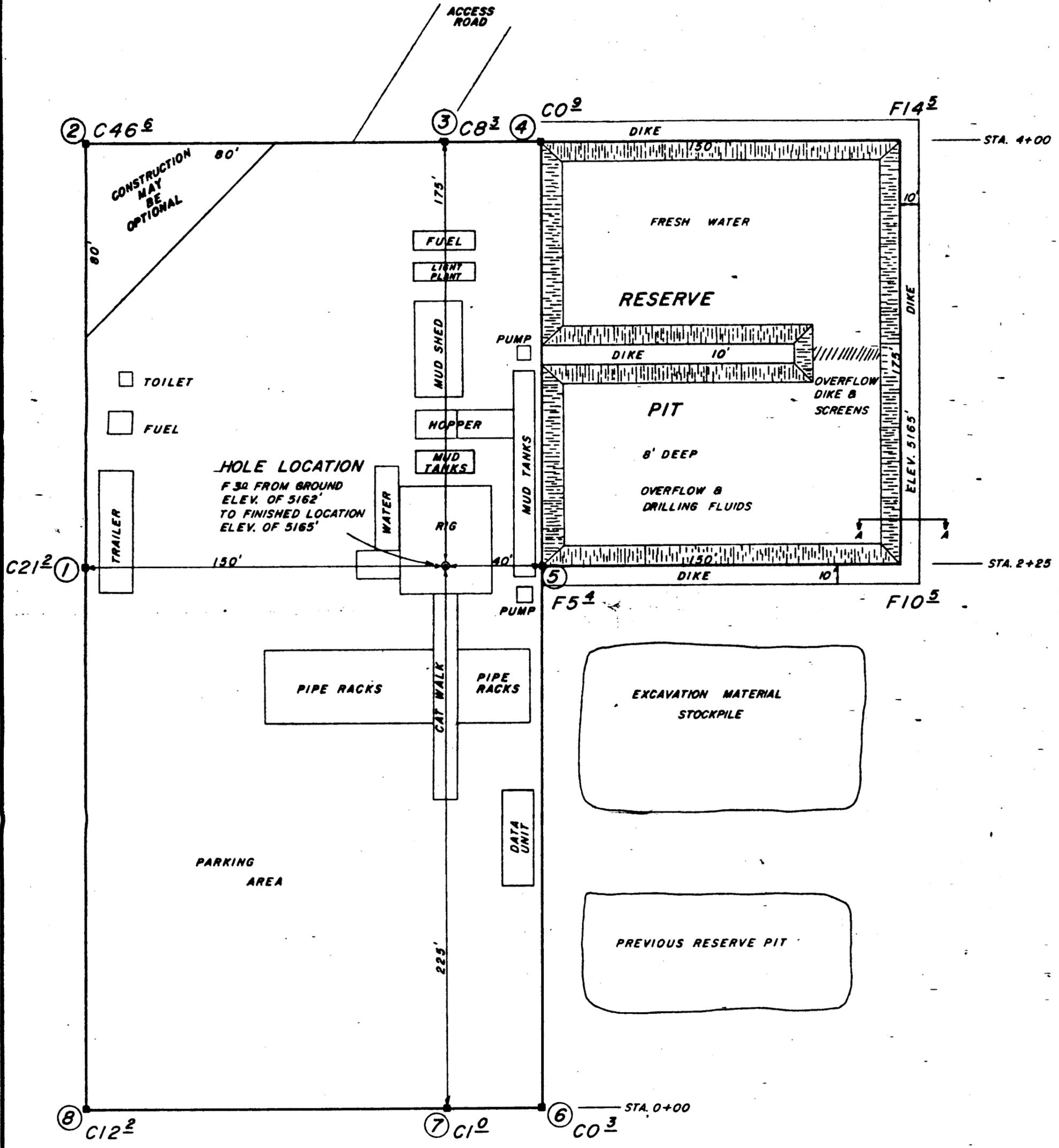
300 Bbl. welded
Water Tank w/ 4" heater.

Ground Level

Dike around production tanks.



MAPCO, INC.
WELL LAYOUT PLAT
R.B.U. 10X-15E



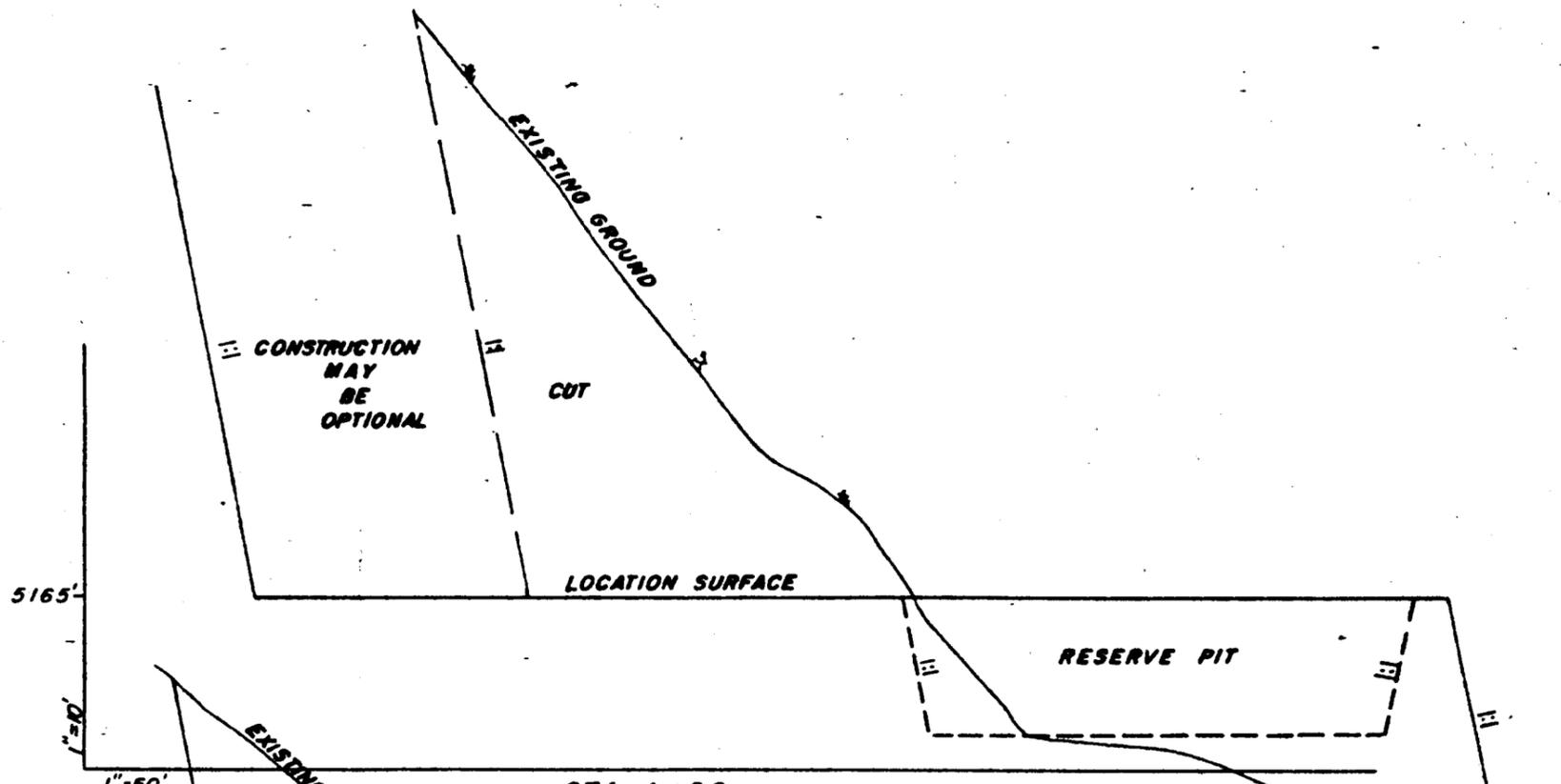
SCALE: 1" = 40'

Notes

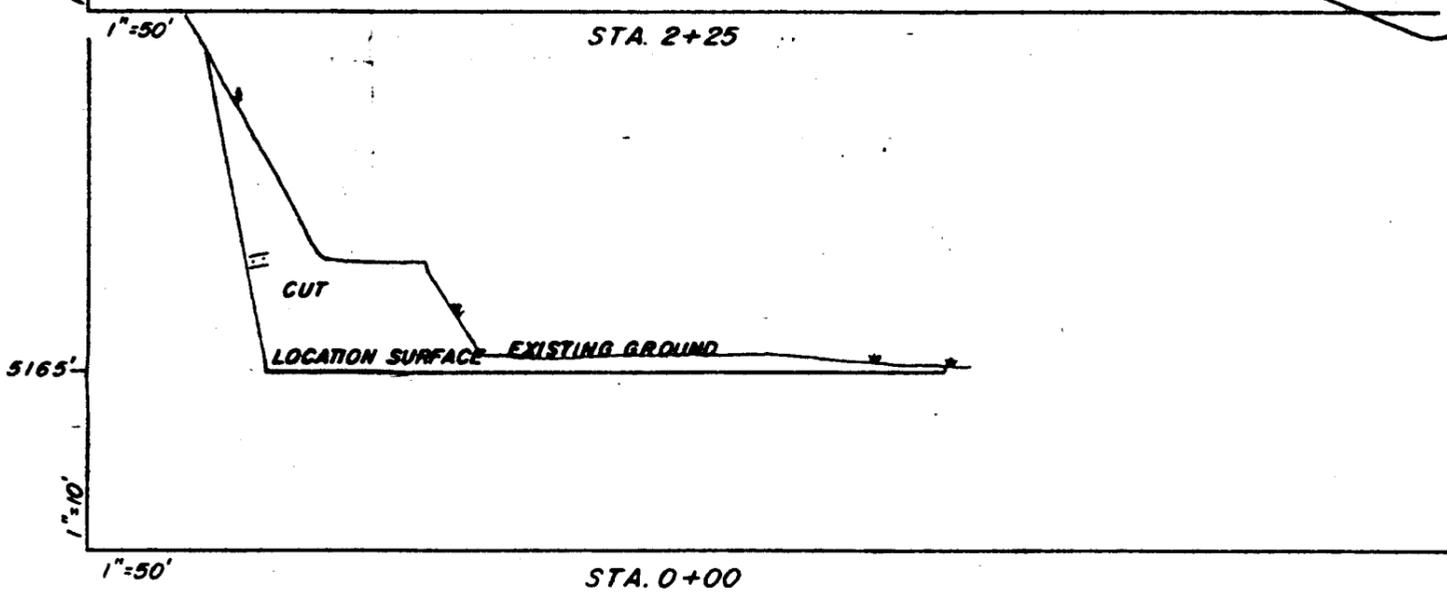
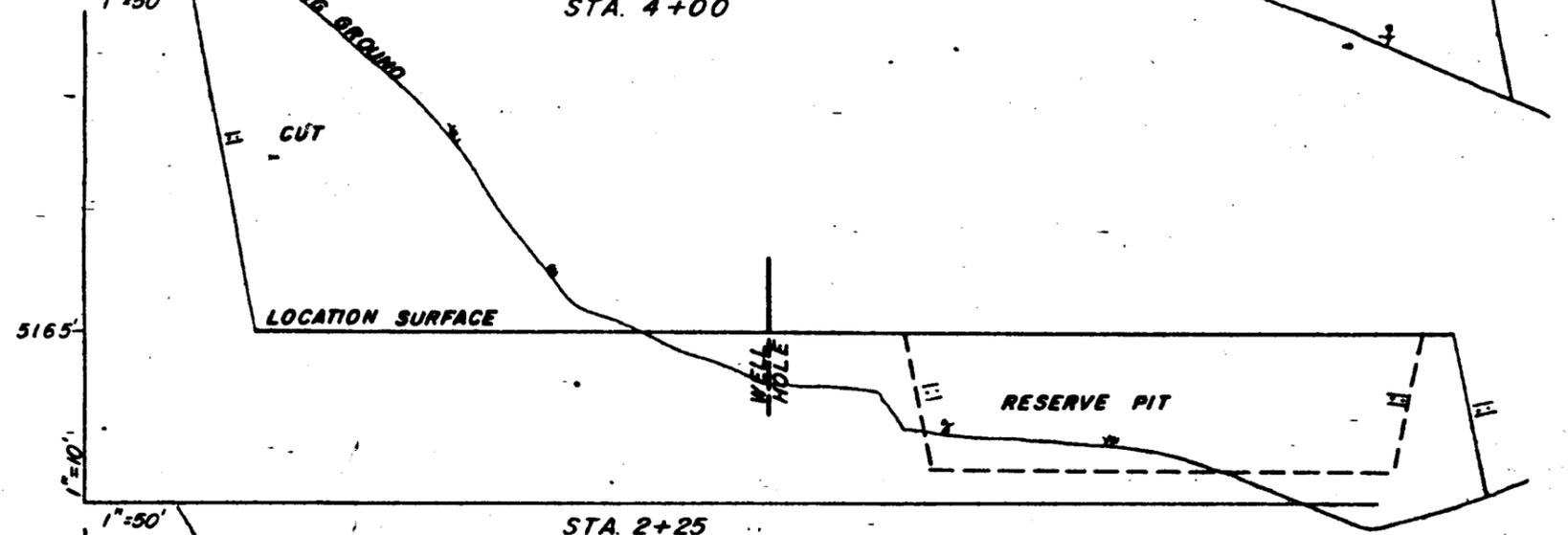
THIS LOCATION IS LOCATED IN THE BOTTOM OF A SMALL RAVINE WITH LOW HILLS ALL AROUND. THIS LOCATION UTILIZES PART OF THE EXISTING R.B.U. 10-15E LOCATION.

THE SOIL IS COMPOSED OF SHALE AND WEATHERED SANDSTONE.

STA. 4+00

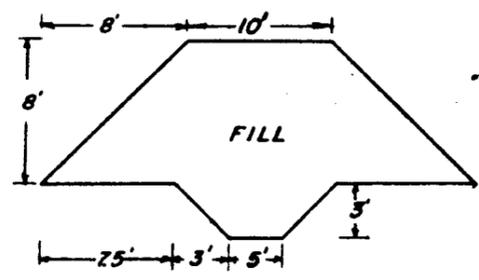


STA. 2+25



APPROXIMATE QUANTITIES

CUT: 24700 CU. YDS.
FILL: 3600 CU. YDS.



KEYWAY A—A

RECEIVED
SEP 21 1984
DIVISION OF OIL
GAS & MINING

EXHIBIT 'F'

JERRY D. ALLRED & ASSOCIATES
Surveying & Engineering Consultants
121 North Center Street
P.O. Drawer C
DUCHESNE, UTAH 84021

OPERATOR Mapco Oil & Gas DATE 9-26-84
WELL NAME River Bend Unit 10X-15E
SEC SWNE 15 T 10S R 19E COUNTY Uental

43-047-31551
API NUMBER

Fed
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/> INDEX	<input type="checkbox"/> HL	<input type="checkbox"/>
<input type="checkbox"/> NID	<input type="checkbox"/> PI	<input type="checkbox"/>
<input type="checkbox"/> MAP	<input type="checkbox"/>	<input type="checkbox"/>

PROCESSING COMMENTS:

Unit well - OK on P.O.D. 1984
Water OK - 47-1714 (T59608)

APPROVAL LETTER:

SPACING: A-3 River Bend c-3-a _____
UNIT CAUSE NO. & DATE

c-3-b c-3-c

SPECIAL LANGUAGE:

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.



October 1, 1984

MAPCO Oil & Gas Company
705 S. Elgin Avenue
Tulsa, Oklahoma 74101-2115

Gentlemen:

Re: Well No. River Bend Unit 10X-15E - SW NE Sec. 15, T. 10S, R. 19E
~~2432'~~ FNL, ~~1400'~~ FEL - Uintah County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

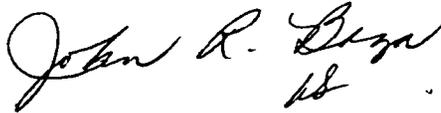
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
MAPCO Oil & Gas Company
Well No. River Bend Unit 10X-15E
October 1, 1984

5. 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 43-047-31551.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza". There is a small mark below the signature that appears to be "18".

John R. Baza
Petroleum Engineer

gl
Enclosures
cc: Branch of Fluid Minerals

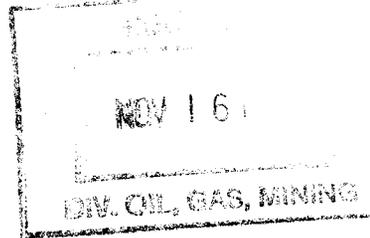


mapco
INC.

#43-047-31551

PRODUCTION DIVISION

Bureau of Land Management
Minerals Management Service
170 S. 500 E.
Vernal, Utah 84078



This is to inform you that the RBU 10X-15E, lease # U-013766, located in the SW 1/4 of the NE 1/4 of Section 15, T 10 S, R 19 E, Uintah County, Utah, was spudded 10-22-84 at 10:00 ^{am}~~pm~~ by Leon Ross Drilling Co. (dry hole driller).

They drilled 400 feet of 12-1/4" inch hole then ran 10 joints of 8-5/8", 24#, k-55 casing with 3 centralizers, float collar or insert float at 320', and shoe at 360'.

Cemented with Western Co. of N.A. using 180 sacks of class/type H cement with 1/4# per sack flo seal and 2% CaCl.

Yield 1.15, weight 15.7, 38 bbls slurry. Cement to surface (yes/~~no~~).

Sincerely,

Darwin Kulland
District Superintendent

DK/sf

cc: JDH

State of Utah
Division of Oil, Gas & Mining
ATTN: Ron Firth
4241 State Office Bldg.
Salt Lake City, Utah 84111

P. O. BOX 1360

ROOSEVELT, UTAH 84066

A/C 801 722-4521

Operator Mapco Representative Tom Barnes
Riverbend Unit 722-4521
Well No. 10X-15E Location 1/4 1/4 Section 15 Township 10S Range 19E
County Uintah Field _____ State _____

Unit Name and Required Depth _____ Base of fresh water sands _____

T.D. 4452 Size hole and Fill per sack _____ " _____ ' and Top _____ #/gal. _____

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>8 5/8</u>	<u>376</u>	_____	_____	<u>① 4341</u>	<u>4141</u>	<u>85</u>
_____	_____	_____	_____	<u>② 1408</u>	<u>1208</u>	<u>90</u>
_____	_____	_____	_____	<u>③ 476</u>	<u>276</u>	<u>115</u>
Formation	Top	Base	Shows	<u>④ 25 5x</u>	_____	_____
<u>G River</u>	<u>1308</u>	_____	_____	<u>⑤ Dry hole marker</u>	_____	_____
<u>Wasatch Tongue</u>	<u>4241</u>	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

REMARKS

DST's, lost circulation zones, water zones, etc., _____

Approved by IRB Date 12/4 Time 1:30 a.m. p.m.

- Plug @ 1900 this evening.
- Alan McKee approved at BLM. Vernal

DEPARTMENT OF ENERGY
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO. (Continued on reverse side)

U-013766

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER

1b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVL. OTHER

RECEIVED
JAN 07 1985

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
River Bend

8. FARM OR LEASE NAME
PEU

9. WELL NO.
10Y-15E

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 15-T10S-R19E

2. NAME OF OPERATOR
MAPOO Oil & Gas Company

3. ADDRESS OF OPERATOR
705 S. Elgin Ave., P.O. Box 2115, Tulsa, OK

4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side)
At surface 2382' FNL & 1350' FEL SW NE
At top prod. interval reported below Same
At total depth Same

DIVISION OF OIL, GAS & MINING

14. PERMIT NO. 43-047-31551 DATE ISSUED 10-12-84

12. COUNTY OR PARISH Uintah 13. STATE Utah

15. DATE SPUDDED 11-30-84 16. DATE T.D. REACHED 12-4-84 17. DATE COMPL. (Ready to prod.) Dry 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5167 GR 5183 KB 19. BLEV. CASINGHEAD N/A

20. TOTAL DEPTH, MD & TVD 4452' 21. PLUG, BACK T.D., MD & TVD Surface 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → Surface to TI

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN BIL-GR, CIL-CNS, 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	376	12-1/4	Cement to Surface	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

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

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	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

35. LIST OF ATTACHMENTS
Plugging Record

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

SIGNED Ang C. Cantal TITLE Sr. Engineering Tech. DATE 1-4-85

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



CNG PRODUCING COMPANY
TULSA DIVISION

RECEIVED

FEB 20 1985

February 15, 1985

**DIVISION OF OIL
& GAS & MINING**

State of Utah
Division of Oil, Gas and Mining
335 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Transfer of Ownership and
Operations
Oil and Gas Wells
State of Utah

Gentlemen:

This letter is to inform you that:

CNG Producing Company
705 S. Elgin Ave., P. O. Box 2115
Tulsa, Oklahoma 74101-2115

has acquired the ownership and operations of oil and gas wells formerly
owned and operated by:

MAPCO Oil & Gas Company
Tulsa, Oklahoma

Attached is a listing of wells involved in the transfer. Should
there be any question regarding this matter, I may be contacted at
(918)599-4005.

Sincerely,

Greg Bechtol
Sr. Engineering Technician

GB/sr
Attachment

<u>Well Name</u>	<u>Location</u>	<u>Status</u>	
46.	RBU 14-2D	SE SW Sec. 2 T10S-R18E	Producing oil well
47.	RBU 6-11D	SE NW Sec. 11-T10S-R18E	Producing oil well
48.	RBU 7-3E	SW NE Sec. 3 T10S-R19E	Producing gas well
49.	RBU 13-2D	SW SW Sec. 2-T10S-R18E	Producing oil well
50.	RBU 8-4E	SE NE Sec. 4-T10S-R19E	Producing gas well
51.	RBU 16-3D	SE SE Sec. 3-T10S-R18E	Producing oil well
52.	RBU 12-18F	NW SW Sec. 18-T10S-R20E	Producing gas well
53.	RBU 10-15E	NW SE Sec. 15-T10S-R19E	Producing gas well
54.	RBU 8-11D	SE NE Sec. 11-T10S-R18E	Producing oil well
55.	RBU 1-19F	NE NE Sec. 19-T10S-R20E	Producing gas well
56.	RBU 3-14E	NE NW Sec. 14-T10S-R19E	Producing gas well
57.	RBU 16-2D	SE SE Sec. 2-T10S-R18E	Producing oil well
58.	RBU 10-11D	NW SE Sec. 11-T10S-R18E	Producing oil well
59.	RBU 1-20F	NE NE Sec. 20-T10S-R20E	Producing gas well
60.	RBU 8-10D	SE NE Sec. 10-T10S-R18E	Producing oil well
61.	RBU 3-13E	NE NW Sec. 13-T10S-R19E	Producing gas well
62.	RBU 12-2D	NW SW Sec. 2-T10S-R18E	Producing oil well
63.	RBU 15-3D	SW SE Sec. 3-T10S-R18E	Producing oil well
64.	RBU 3-15E	NE NW Sec. 15-T10S-R19E	WOC gas well
65.	RBU 16-3E	SE SE Sec. 3-T10S-R19E	WOC gas well
66.	RBU 5-10E	SW NW Sec. 10-T10S-R19E	Shut-in gas well
67.	RBU 9-10E	NE SE Sec. 10-T10S-R19E	Shut-in gas well
68.	RBU 9-14E	NE SE Sec. 14-T10S-R19E	Shut-in gas well
69.	RBU 3-23E	NE NW Sec. 23-T10S-R19E	Shut-in gas well
70.	RBU 9-23E	NE SE Sec. 23-T10S-R19E	WOC gas well
71.	RBU 3-24E	NE NW Sec. 24-T10S-R19E	Shut-in gas well
72.	RBU 1-17F	NE NE Sec. 17-T10S-R20E	WOC gas well
73.	RBU 11-11F	NE SW Sec. 11-T10S-R20E	WOC gas well
74.	RBU 10X-15E	NW SE Sec. 15-T10S-R19E	Plugged & abandoned

WOC - Waiting on completion

PLUGGING REPORT

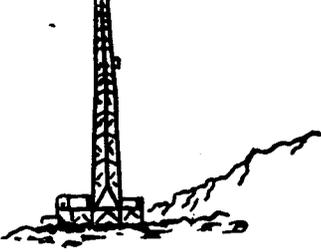
RBU 10X-15E

TD: 4452'

Casing: 8-5/8" @ 376'

Plug #1	4341'-4141'	85 sacks	Class "G"
Plug #2	1408'-1208'	90 sacks	Class "G"
Plug #3	476'- 276'	115 sacks	Class "G"
Plug #4	60'-Surface	25 sacks	Class "G"

Note: Plugging operations were witnessed by John R. Shufflebarger and Paul Limvorratre of the Vernal District BLM.



L. D. "Vern" HUNTER
Consulting Geologist

TELEPHONE
(406) 656-5197
2003 PARKHILL DRIVE
BILLINGS, MONTANA, 59102

MAPCO OIL & GAS COMPANY

RBU NO. 10X-15E

SW NE SECTION 15, T. 10 S., R. 19 E.

UINTAH COUNTY, UTAH

Prepared for: MAPCO OIL & GAS COMPANY

By: L. D. 'Vern' Hunter
Consulting Geologist
Billings, Montana

OPERATOR: MAPCO Oil & Gas Company

WELL: RBU No. 10X-15E

LOCATION: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 15, T. 10 S., R. 19 E.
2,432' FNL & 1,400' FEL
Uintah County, Utah

TOPOG REFERENCE: Nutters Hole

ELEVATIONS: 5,167' Grd.; 5,183' KB

SPUD DATE: November 29, 1984

SURFACE CASING: 8-5/8" set at 376' KB

HOLE SIZE: 12-1/4" from surface to 376'
7-7/8" from 376' to TD

TD AND DATE: 4,452' (December 3, 1984 - 4:00 p.m.)

CORES: None

LOST CIRCULATION: 1,300'⁺₋

FRACTURE ZONES: None

OIL ON PITS: None

WATER FLOWS: None

SAMPLES: 30' samples from 3,000' to 4,000'
10' samples from 4,000' to TD

DRILL STEM TESTS: None

*API -
43-047-31551*

ELECTRIC LOGS:

Gearhart

Engineer: Mr. Aitken

DLL/GR/Cal from 4,422' to 375'

Comp. Den/Neutron from 4,431' to 2,394'

Laserlog from 4,431' to 2,394'

SAMPLE AND/OR PENETRATION RATE TOPS:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Lower Green River Oil Shale	No pick	-----
Wasatch Tongue	4,218'?	+ 965?
Third Zone sandstone	Not developed	-----

LOG TOPS:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	1,310'	+3,873
X-Marker	2,005'	+3,178
A Zone	2,562'	+2,621
A+	-----	-----
B Zone	2,870'	+2,313
Purple Marker	2,916'	+2,267
C Zone	2,972'	+2,211
D Sandstone	3,036'	+2,147
E Zone	3,142'	+2,041
F Zone	3,264'	+1,919
G Zone	3,308'	+1,875
G+	-----	-----
H Zone	3,474'	+1,709
I Zone	3,586'	+1,597
J Zone	3,641'	+1,542
K Zone	3,828'	+1,355
^u Lower Green River Oil Shale	4,032'	+1,151
Wasatch Tongue	4,241'	+ 942
2	4,292'	+ 891
3	4,334'	+ 849
TD	4,452'	+ 731

MUD LOGGING UNIT:

None

CONTRACTOR:Shelby Rig #11
254 N. Center, Ste. 108-C
Casper, WY 82601Pusher: Jeff Butler
Radio: Wamsutter #318MUD:Crown
P. O. Box 1004
Vernal, UT 84078Engineer: Jack Durbin
Tp 789-5137WELL-SITE DRILLING SUPERVISOR:Tommy Barnes
Mapco Unit #103

MAPCO PRODUCTION COMPANY:

J. D. Holliman
705 S. Elgin
Tulsa, OK 74101-2115

Tp 918-599-4001 office
Tp 918-627-4739 home
Terry Reeves

WELL-SITE GEOLOGIST:

L. D. 'Vern' Hunter
2903 Parkhill Drive
Billings, MT 59102
Tp. 406-656-5197

STATUS:

Plugged and abandoned.
Plug #1 - 4,341-4,141'
Plug #2 - 1,408-1,208'
Plug #3 - 476- 276'
Plug #4 - 60' to surface

RIG RELEASED:

December 5, 1984 (10:00 a.m.)

CHRONOLOGICAL HISTORY

<u>DATE</u>	<u>PTD</u>	<u>ACTIVITY</u>	<u>FOOTAGE</u>
	7:00 a.m.		
November 30, 1984	900'	Drilling	524
December 1, 1984	2,265'	Drilling	1,365
2	3,445'	Drilling	1,180
3	4,270'	Drilling	825
4	4,452	Logging	182

DEVIATIONS

<u>DATE</u>	<u>DEPTH</u>	<u>AMOUNT</u>
November 30, 1984	421'	1-1/4°
December 1, 1984	984'	1/2°
	1,511'	1/8°
	2,062'	2°
2	2,562'	2°
	2,996'	2°
3	3,530'	1-3/4°
	4,082'	2°
4	4,452'	2-1/4°

MUD CHECKS

<u>DATE</u>	<u>DEPTH</u>	<u>WT.</u>	<u>VIS.</u>	<u>TYPE</u>	<u>WL</u>	<u>KCl</u>	<u>Ph.</u>	<u>SOLIDS</u>	<u>LCM</u>	<u>CHLORIDES</u>
November 30, 1984	900'	8.3	26	Fresh wtr.	-	-	9.5	tr	-	2,500
December 1, 1984	2,265'	8.3+	26	Fresh wtr.	-	-	9.5	tr	-	2,000
2	3,445'	8.3	26	Fresh wtr.	-	-	10.0	tr	-	2,300
3	4,270'	8.5	28	Poly/Gel	50	-	10.0	2	-	4,500
4	4,452'	9.7	41	Poly/Gel	8.4	-	9.5	9.5	-	3,000

BIT RECORDS

<u>No.</u>	<u>Size</u>	<u>Co.</u>	<u>Type</u>	<u>Out</u>	<u>Footage</u>	<u>Hours</u>	<u>Ave. Ft/Hr</u>
1	7-7/8"	STC	F-4	4,452'	4,076'	89-3/4	45.4

SAMPLE DESCRIPTIONS

<u>DEPTH</u>	<u>LITHOLOGY</u>
	<u>E. LOG TOP: D SANDSTONE 3,036'</u>
3,000-3,150	Sh, med gry to gry-grn, dol'c, firm w/ tr ls, brn to tan, lith, ti, <u>gold SF</u> ; tr ss, wht, vf, calc, ti, NS
3,150-3,240	Ss, wht, xf-vf, ang to sa, calc, ti, NS w/ osts and pyrite
3,240-3,270	Ls, med brn, dol'c, lith, ti, <u>gold min fl</u> , no cut or CF
3,270-3,300	Sh, gry-grn, dol'c, firm
3,300-3,360	Ss, wht to med gry, xf to vf, s ang, calc, NS
3,360-3,390	Aa w/ oil sh, dk brn, dol'c, firm; tr ost's
3,390-3,420	Ss aa and sh, gry-grn, dol'c, firm w/ sltstn, gry-grn, calc, ti, NS
3,420-3,540	Sh, med gry to gry-grn, dol'c, firm, pyr in pt, w/ tr ls, buff, lith, <u>yell min fl</u> , NS
3,540-3,570	Sh aa w/ tr ss, wht, vf, ang to sa, calc, clay-filled, ti, NS
3,570-3,600	Sh, med gry, dol'c, firm w/ ls, buff, lith, NS, tr oolites
3,600-3,630	Sh, med gry to gry-grn, dol'c, firm
3,630-3,720	Sh aa
3,720-3,810	Aa w/ tr oil sh, med brn
3,810-3,840	Sh, med gry, dol'c, firm
3,840-3,900	Oil sh, med brn, <u>gold SF, bluish cut & CF</u>
3,900-3,990	Sh, med brn to med gry, dol'c, <u>dull gold SF, pale bluish cut & CF</u> ; tr ls, brn, ti, <u>yell SF</u> , no cut
3,990-4,050	Sh, med gry to gry-grn, dol'c, firm; tr sltstn, med gry, ti, dirty, NS
	<u>E. LOG TOP: LOWER GREEN RIVER OIL SHALE 4,032'</u>
4,050-4,060	Sh aa
4,060-4,250	Sh, med to dk brn, dol'c, firm, <u>gold to dull yell SF, bluish yell cut & CF</u>

SAMPLE DESCRIPTIONS

<u>DEPTH</u>	<u>LITHOLOGY</u>
	<u>E. LOG TOP: WASATCH TONGUE 4,241'</u>
4,250-4,270	VPS sh aa w/ tr ss, lt gry, vf, calc, ti, NS
4,270-4,280	Sh, med to dk brn, dol'c, firm, <u>yell SF, pale yell cut & CF</u>
4,280-4,300	VPS; mostly tan, soft bent'c sh
4,300-4,450	Sh, rd-brn, gry-grn, med gry, soft, bent'c to firm, calc, occais stks sltstn, med gry, calc, clay filled, pyr'c, NS

Bit 1 (R-4)

MARCO, RBU 10X-15 E
SW NE 15-10S-19E
Uintah Co., Utah

1000

2000

3000

4000

5000

TD 4452

11/30

12/5

46 0780

10 X 10 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.



CNG PRODUCING COMPANY
TULSA DIVISION

RECEIVED

FEB 27 1985

February 25, 1985

**DIVISION OF OIL
GAS & MINING**

State of Utah
Division of Oil & Gas Mining
355 W. North Temple
3 Triad Center - Suite 350
Salt Lake City, Utah 84180-1203

Gentlemen:

Effective January 1, 1985, CNG Producing Company, New Orleans, LA., purchased the oil and gas properties of MAPCO Oil & Gas Company located in the state of Utah. Attached is a list of the properties sold for which CNG will now be responsible.

Please direct any future correspondence concerning these wells to the address shown below:

CNG Producing Company - Tulsa Division
P. O. Box 2115
Tulsa, OK 74101-2115
Attention: Joe C. Lineback

Yours truly,

Joe C. Lineback.
Manager of Accounting

JCL/cf

Attachment