

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
MAPCO Production Company  
Alpine Executive Center *406-248-7406*

3. ADDRESS OF OPERATOR  
1643 Lewis Ave., Suite 202  
Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface ~~550' FNL & 1009' FEL~~, Sec. 26, T9S, R18E *NENE*  
*550 FNL 809 FEL*  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
21 miles SE of Myton

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 550'

16. NO. OF ACRES IN LEASE  
640

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. 3700'

19. PROPOSED DEPTH  
5500' *Green River*

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4893' Ungraded G.L.

22. APPROX. DATE WORK WILL START\*  
5-25-80

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17-1/2"      | 13-3/8"        | 48#/ft, K-55    | 130'          | Cmt to surface     |
| 12-1/4"      | 8-5/8"         | 24#/ft, H-40    | 400'          | Cmt to surface     |
| 7-7/8"       | 5-1/2"         | 14#/ft, K-55    | 5500'         | Cmt to surface     |

1. Drill a 17-1/2" hole with and air rig to 130'. Run 13-3/8", K-55 casing and cement to surface.
2. NU and pressure test BOP stack prior to drilling out below surface pipe.
3. Drill a 12-1/4" hole with an air rig to 400'. Run 8-5/8", H-40 casing and cement to surface.
4. Test pipe rams daily and blind rams as possible.
5. Drill a 7-7/8" hole to 5500' with a fresh water mud system. No cores are planned. DST's will be run as needed to evaluate unexpected shows.
6. Run logs. Set 5-1/2", 14#, K-55 casing. Casing program may be modified to provide added burst strength if needed for frac program.
7. Primary zone of interest is the Green River section.
8. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.

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.

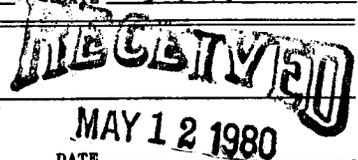
24. SIGNED Richard Baumann TITLE Engineering Technician DATE 5-8-80  
Richard Baumann

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE MAY 12 1980

CONDITIONS OF APPROVAL, IF ANY:



APPROVED BY THE DIVISION OF OIL, GAS, AND MINING  
DATE: 6-3-80  
BY: M.L. Minder

\*See Instructions On Reverse Side

DIVISION OF OIL, GAS & MINING

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

### FORMATION LOG TOPS:

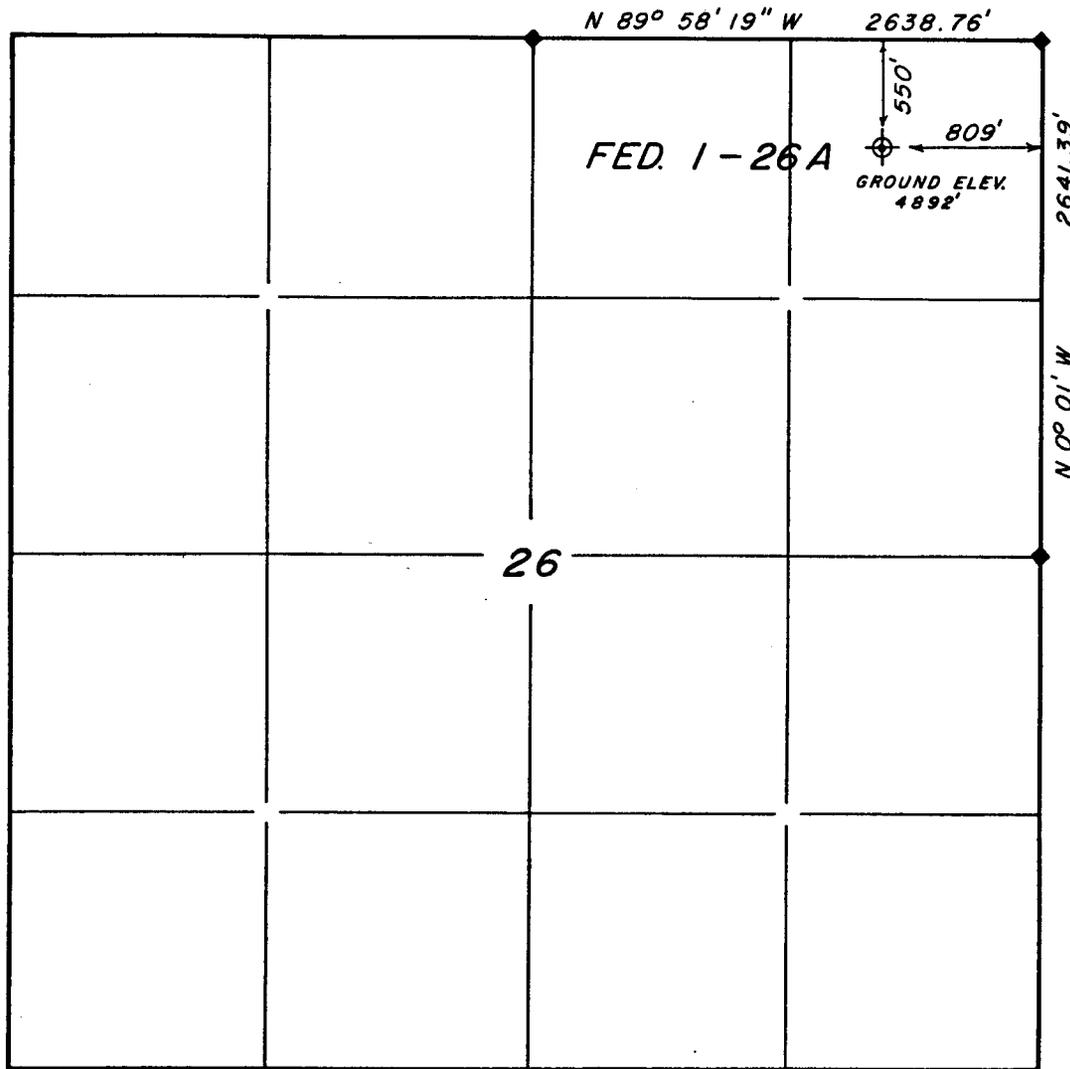
Uintah        Surface

Green River 1725'

Wasatch     5835'

**MAPCO, INC. -  
WELL LOCATION  
FEDERAL 1-26 A**

Located at the NE $\frac{1}{4}$  of the NE $\frac{1}{4}$  of  
Section 26, T9S, R18E, S. L. B. & M.



SCALE: 1"=1000'

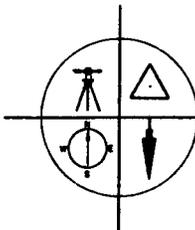
**LEGEND & NOTES**

- ◆ Found brass cap on pipe 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

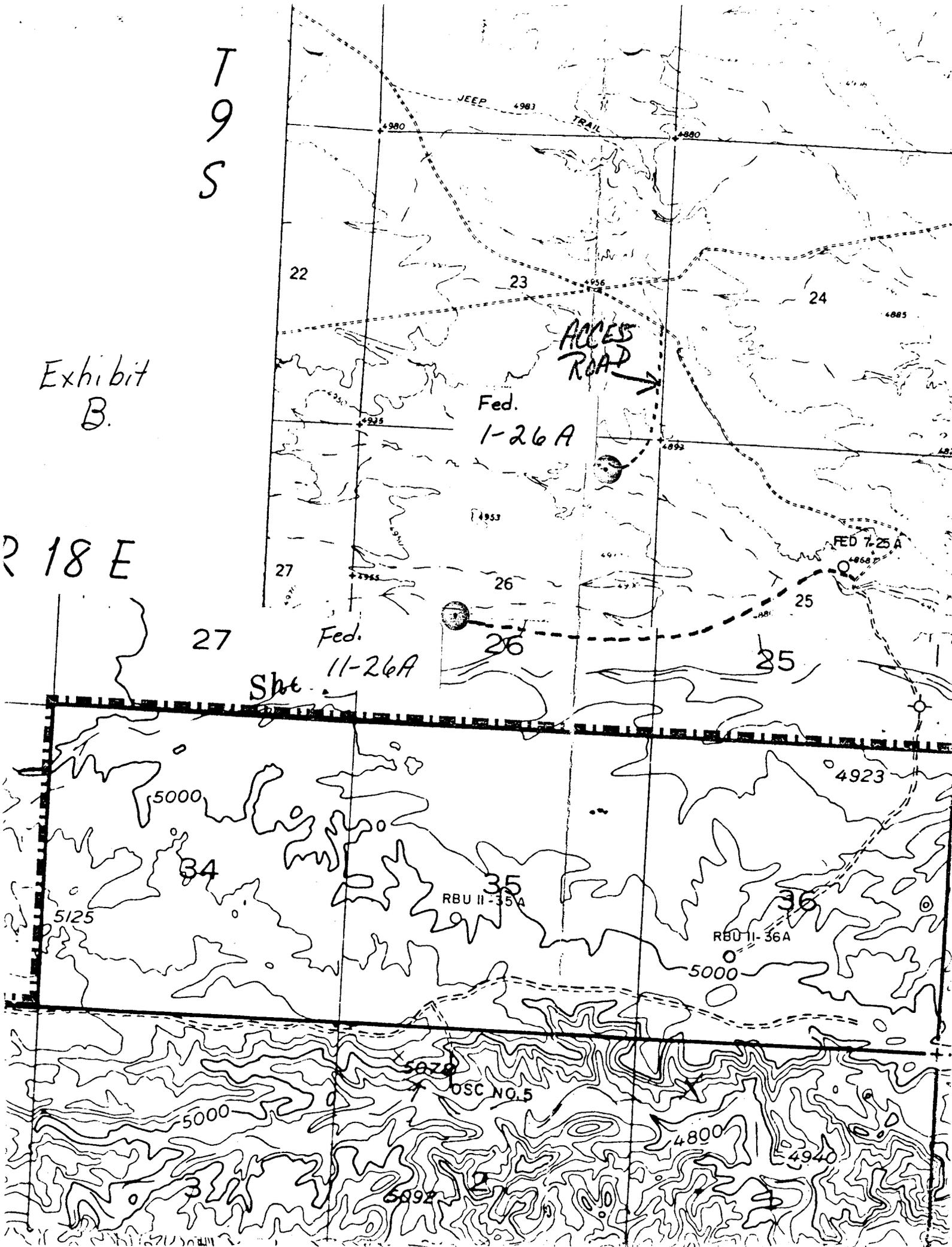
79-128-029

Revised  
 20 May 1980

T  
9  
S

Exhibit  
B.

R 18 E



MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: Federal 1-26A

WELL LOCATION: 550' FNL & 1009' FEL

Section 26, T9S, R18E

County: Uintah

State: Utah

1. Existing Roads

- A. The proposed well site and elevation plat is shown as Exhibit A.
- B. Location is as shown in Exhibit B.
- C. An access road of about 3000' will be needed to reach the location from the existing road as shown in Exhibit B.
- D. All existing roads are shown on Exhibit B.
- E. There is no anticipated construction on any existing roads.

2. Planned Access Roads

- 1. Width: Maximum of 30' right-of-way with road bed being approximately 16'-18', and remainder of right-of-way to be used for borrow ditches.
- 2. Maximum grade: 8%
- 3. Turnouts: None
- 4. Drainage design: Drain ditches along either side of the road, where necessary for drainage with material from borrow ditch used to build crown of road. As per meeting with BLM, BIA & USGS on May 3, 1979. No speed curves on hills.
- 5. Culverts: None
- 6. Surface materials: Native dirt.
- 7. Gates, cattleguards, fence cuts: None

3. Location of Existing Wells

All existing wells known in the area are shown directly on Exhibit B within the one-mile radius.

1. Water wells: None
2. Abandoned wells: None
3. Temporarily abandoned wells: None
4. Disposal wells: None
5. Drilling wells: None
6. Producing wells: None
7. Shut-in wells: One (1) - Federal 7-25A - Waiting on Completion
8. Injection wells: None
9. Monitoring or observation wells: None

4. Location of Existing and/or Proposed Facilities

A. The location of existing and/or proposed facilities, if any, owned or controlled by lessee/operator within the 1-mile radius will be shown on Exhibit B.

1. Tank batteries: None
2. Production facilities: See Exhibit C
3. Oil gathering lines: None
4. Gas gathering lines: None
5. Injection Lines: None
6. Disposal Lines: None
- B. It is contemplated that, in the event of production, all new facilities will be easily accommodated on the drill pad on the solid base of cut and not placed on the fill areas.
  1. No flagging then will be needed.

2. The dimensions of the production facilities and the location of facilities is drafted on Exhibit C. If production is obtained, then the unused areas will be restored as later described.
  3. Concrete as needed and any gravels needed will be purchased from private sources.
  4. All 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.
- C. Rehabilitaion, whether the well is productive or dry, will be accomplished as soon as possible in those areas already described, and in accordance with Item 10 following.

5. Water Supply

Water source is shown on Exhibit D.

- A. Water to be used for drilling will be hauled by truck from Pariette Draw, located in the SW/4, Sec. 35, T9S, R18E.
- B. No pipelines are anticipated. Hauling will be on the road(s) shown in Exhibit D.
- C. No water well is anticipated to be drilled at this time.

6. Source of Construction Materials

- A. No construction material, insofar as drilling, will be needed.
- B. No construction materials will be obtained from Federal or Indian land.
- C. The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soils and sandstone and shale materials gathered in actual construction of the road and location.
- D. Access roads crossing federal lands are shown under Items 1 & 2.

7. Handling Waste Disposals

1. Drill cuttings will be buried in the reserve pit when covered.
2. Drilling fluids will be handled in the reserve pit.
3. Any produced fluids during drilling tests or while making production tests will be collected in reserve pit.

4. Any sewage will be covered or removed and chemical toilets will be provided.
5. Garbage and other waste material will be enclosed in a wire mesh container, and then disposed of in an approved waste disposal facility.
6. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous open pit will be fenced or covered.

#### 8. Ancillary Facilities

No proposed airstrip, camp, or other facility will be constructed during the drilling or completion of this well.

#### 9. Well Site Layout

1. Exhibit E is the drill pad layout on a scale of 1" = 40'.
2. & 3. Exhibit E is a layout of the drilling rig, pits, and burn pits. Parking and trailers will be along the North side of the area as shown. The access road will be from the West. Soil stockpiles are also shown on Exhibit E.
4. The reserve pit will not be lined. Steel mud pits may be used, at least in part, during drilling operations.

#### 10. Plans for Restoration

1. Backfilling, leveling and gentle sloping is planned and will be accomplished as soon as possible after plugging or setting of production casing. Waste disposal and spoils materials will be buried or hauled away immediately after operations cease from drilling and/or completion.
2. The soil banked materials will be spread over the area and gentle sloping or contouring to meet the existing terrain. Revegetation will be by planting of native vegetation to the area or some other combination as recommended by The Bureau of Land Management.

The access road to the drill pad will be revegetated, if needed. Any damage to present existing roads will be repaired as needed.

3. Prior to rig release, the pits will be fenced on the fourth side and so maintained until cleanup is accomplished. The reserve pit will have fencing on three sides during drilling.

4. If any oil is on the pits, and is not immediately removed after operations cease, then the pit will be flagged overhead to keep birds and fowl out.
5. The commencement of rehabilitation operations will begin as soon as possible after drilling ceases. Planting will be planned as suggested by BLM.

11. Other Information

1. Topography: The site is located in a large flat with low ridges to the North. There is scattered brush and grass.

Soil Characteristics and Geologic features: The soils of this semi-arid area are of the Uinta and Duchesne River formation (The Fluvial Sandstone & Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structures consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with out crops of rock (sandstone, mudstone, conglomerates and shales).

Flora: Areas of sagebrush, rabbitbrush, some grasses and cacti, and large areas of bare soils devoid of any growth.

Fauna: Is sparse but consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area. Birds of the area are raptors, finches, ground sparrows, mag pies, crows and jays.

2. Type of surface use activity: Primary purpose is grazing domestic livestock.

Surface ownership of all involved lands: BLM

3. Proximity of usable water (Shown on Exhibit D)

Occupied dwellings (if any, shown on Exhibit B): None

Archaeological or historical sites (if any, shown on Exhibit B):  
An archaeological study has been conducted by A.E.R.C. of Bountiful, Utah, and no archaeological or historical sites were found.



TEN-POINT COMPLIANCE PROGRAM OF NTL-6  
APPROVAL OF OPERATIONS

Attached to Form 9-331C

Company: MAPCO PRODUCTION COMPANY

Well: Federal 1-26A

Well Location: 550' FNL & 1009' FEL

Section 26, T9S, R18E

County: Uintah

State: Utah

1. Geologic Surface Formation

UINTAH

2. Estimated Important Geologic Markers

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| Uintah           | Surface      |
| Green River      | 1725'        |
| Wasatch          | 5385'        |

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

| <u>Formation</u> | <u>Depth</u> | <u>Remarks</u>     |
|------------------|--------------|--------------------|
| Green River      | 4125'        | "I" oil zone       |
| Green River      | 4385'        | "K" zone           |
| Green River      | 5215'        | Green River tongue |

4. The Proposed Casing Program

| <u>SIZE OF CASING</u> | <u>WEIGHT &amp; GRADE</u> | <u>SETTING DEPTH</u> | <u>QUANTITY OF CEMENT</u> |
|-----------------------|---------------------------|----------------------|---------------------------|
| 13-3/8"               | 48#, K-55                 | 130'                 | Cmt to surface            |
| 8-5/8"                | 24#, H-40                 | 400'                 | Cmt to surface            |
| 5-1/2"                | 14#, K-55                 | 5500'                | Cmt to surface            |

5. The Operator's Minimum Specifications for Pressure Control

See Figure #1, attached.

BOP stack has a 3000 psi working pressure. BOP's will be pressure tested before drilling casing cement plugs.

Pipe rams will be operated daily and blind rams as possible.

6. The Type and Characteristics of the Proposed Circulating Muds

Fresh water gel system. Use LCM as required to control loss circulation. Mud system to have proper rheological properties to maintain sufficient viscosity to clean hole, run logs and to land and cement casing.

7. The 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 totalizer equipment will be used.

8. The Testing, Logging, and Coring Programs to be Followed

A two (2) man mud logging unit will be in operation from surface to T.D.

The following open hole logs will be run:

- 1) SP-Dual Induction-Laterolog 8,
- 2) FDC-CNL-GR,
- 3) Sonic Log and F-log overlay.

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

9. Any Anticipated Abnormal Pressures of Temperatures Expected

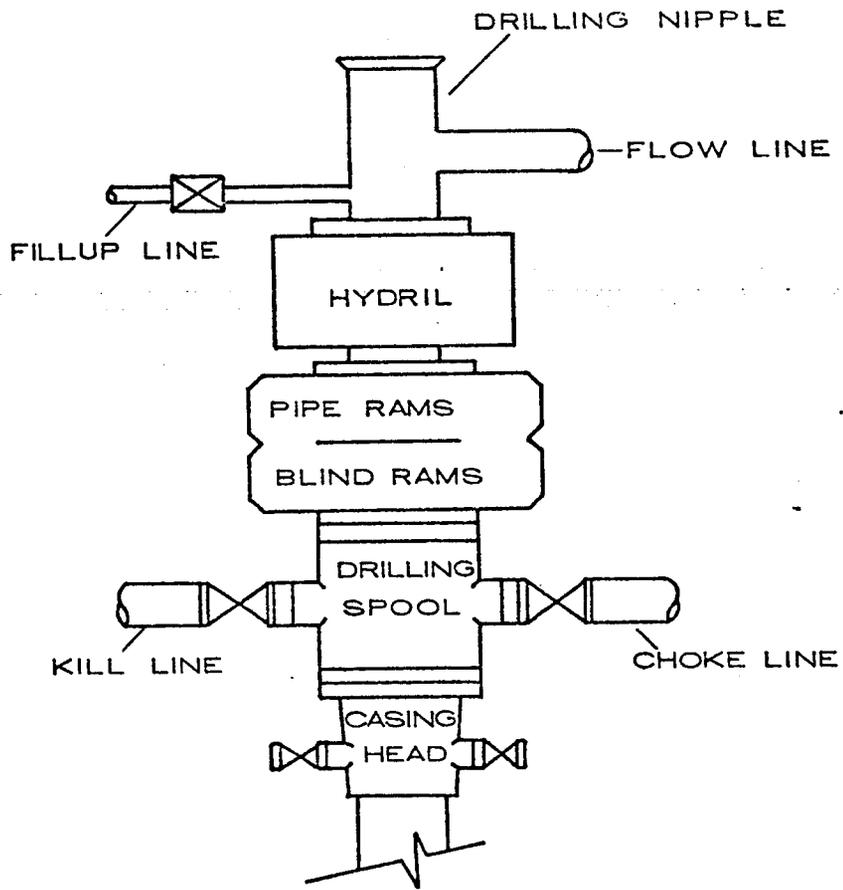
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H<sub>2</sub>S gas.

10. The Anticipated Starting Date and Duration of the Operations

Starting Date: 5-25-80

Duration: 15 days

## BOP STACK



## CHOKE MANIFOLD

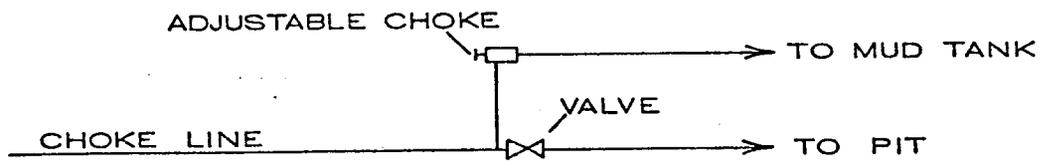


Exhibit C

PUMPING UNIT

2-3/8", 4.7#, J-55 Tbg →

Flowline buried from wellhead to treater.

160'

Completely housed Direct Fired treater.  
Gas meter is a 2" Daniels Meter Run with  
Model 2020A Barton Meter having a two  
(2) pen recorder and 100"-100# spring.  
Production meter will be calibrated in  
place prior to any deliveries.

Pit fenced with wire mesh.

1" 1.72#/ft, J-55 Seamless Tbg.

← WATER

TREATER

2-3/8", 4.7#/ft, J-55,  
CONDENSATE → Seamless Tbg

2-300 BBL Tanks

50'

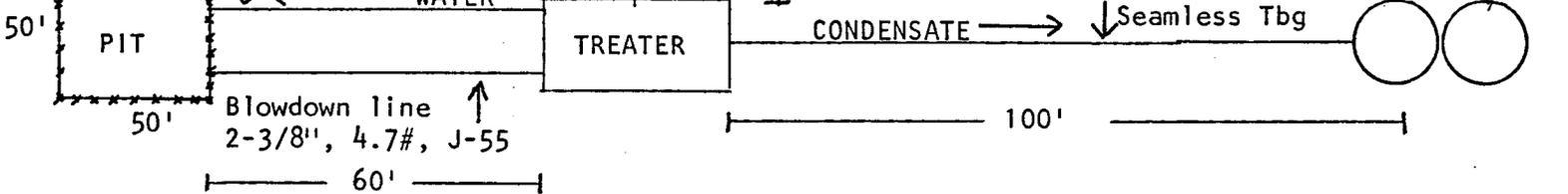
PIT

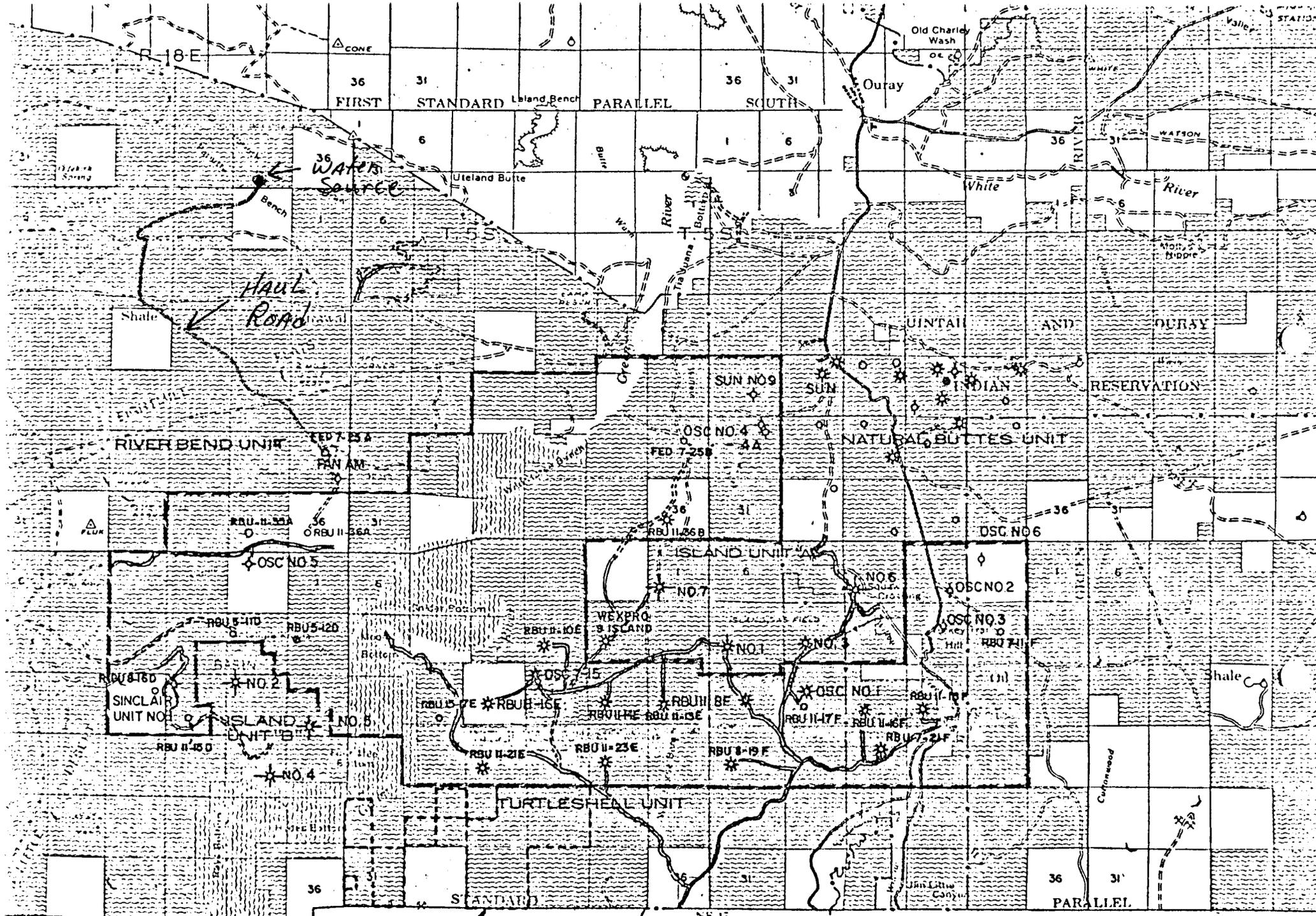
50'

Blowdown line  
2-3/8", 4.7#, J-55

60'

100'





R. 18 E.

MAPCO ACREAGE R. 19 E.

NE-17  
AUG. 1975  
(REVISED)

R. 20 E.

R. 21 E.

Exhibit D

\*\* FILE NOTATIONS \*\*

DATE: May 12, 1980  
OPERATOR: Mapco Production Company  
WELL NO: Federal # 1-26A  
Location: Sec. 26 T. 95 R. 18E County: Uintah

File Prepared:  Entered on N.I.D:   
Card Indexed:  Completion Sheet:

API Number 43-047-30716

CHECKED BY:

Petroleum Engineer: M. J. Minder 6-3-80  
Will change location per call Dick Baumann 5-16-80

Director: \_\_\_\_\_

Administrative Aide: Rule C-3: too close to gte-gte line  
Asked to Dick Baumann 5/14/80 - requesting topographic  
OK on oil spacing requested location change 5/30/80 ?

APPROVAL LETTER:

Bond Required:  Survey Plat Required:

Order No. \_\_\_\_\_ O.K. Rule C-3

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

#1

Lease Designation  Plotted on Map

Approval Letter Written

Hot Line  P.I.

Well file copy

9-331  
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 MAPCO PRODUCTION COMPANY  
Alpine Executive Center  
3. ADDRESS OF OPERATOR 1643 Lewis Ave., Suite 202  
Billings, MT 59102  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 550' FNL & 809' FEL, Sec. 26  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

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

REQUEST FOR APPROVAL TO:      SUBSEQUENT REPORT OF:

|                                |                          |                          |
|--------------------------------|--------------------------|--------------------------|
| TEST WATER SHUT-OFF            | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT                 | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE               | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL                    | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING           | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE              | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES                   | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON*                       | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) <u>Change location</u> |                          |                          |

5. LEASE U-19266  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
9. WELL NO. Federal 1-26A  
10. FIELD OR WILDCAT NAME Wildcat  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T9S, R18E  
12. COUNTY OR PARISH Uintah      13. STATE Utah  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD) 4893' G.L.

(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.)\*

MAPCO has moved the location of the Fed. 1-26A 200' to the East of the previous location of 550' FNL & 1009' FEL, Sec. 26, to the new location of 550' FNL & 809' FEL, Sec. 26. The new location should be within the legal limits.

Enclosed please find revised plats to accompany the APD which was filed on May 8, 1980.

APPROVED BY THE  
COMMISSIONER OF OIL, GAS, AND MINES  
DATE 6-3-80  
BY M. J. Minder



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct  
SIGNED Richard Baumann TITLE Engineering Tech. DATE 5-28-80  
Richard Baumann

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

June 6, 1980

Mapco Production Co.  
Alpine Executive Center  
1643 Lewis Ave.  
Billings, Montana 59102

Re: Well No. Federal # 1-26A, Sec. 26, T. 9S, R. 18E., Uintah County, Utah  
Well No. Federal # 4-30B, Sec. 30, T. 9S, R. 19E., Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

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

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

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

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

The API numbers assigned to these wells are Fed. #1-26A: 43-047-30716;  
Fed. #4-30B: 43-047-30717.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Petroleum Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**DUPLICATE**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|   |   |  |
|---|---|--|
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>  |   | 5. LEASE DESIGNATION AND SERIAL NO.<br>F 9266                          |
| b. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |   | 6. INDIAN, ALLOTTEE OR TRIBE NAME                                      |
| 2. NAME OF OPERATOR<br>MAPCO Production Company<br>Alpine Executive Center  |   | 7. UNIT AGREEMENT NAME   |
| 3. ADDRESS OF OPERATOR<br>1643 Lewis Ave., Suite 202<br>Billings, MT 59102  |   | 8. FARM OR LEASE NAME  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface 550' FNL & 1009' FEL, Sec. 26, T9S, R18E<br>At proposed prod. zone Same <i>809' Location change</i> |   | 9. WELL NO.<br>Federal 1-26A   |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>21 miles SE of Myton   |   | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat                              |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 550'  | 16. NO. OF ACRES IN LEASE<br>640              | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 26, T9S, R18E |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3700'   | 19. PROPOSED DEPTH<br>5500'                   | 12. COUNTY OR PARISH<br>Uintah   |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>4893' Ungraded G.L.   | 17. NO. OF ACRES ASSIGNED TO THIS WELL<br>320 | 13. STATE<br>Utah  |
| 20. ROTARY OR CABLE TOOLS<br>Rotary   |   | 22. APPROX. DATE WORK WILL START*<br>5-25-80                           |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17-1/2"      | 13-3/8"        | 48#/ft, K-55    | 130'          | Cmt to surface     |
| 12-1/4"      | 8-5/8"         | 24#/ft, H-40    | 400'          | Cmt to surface     |
| 7-7/8"       | 5-1/2"         | 14#/ft, K-55    | 5500'         | Cmt to surface     |

1. Drill a 17-1/2" hole with and air rig to 130'. Run 13-3/8", K-55 casing and cement to surface.
2. NU and pressure test BOP stack prior to drilling out below surface pipe.
3. Drill a 12-1/4" hole with an air rig to 400'. Run 8-5/8", H-40 casing and cement to surface.
4. Test pipe rams daily and blind rams as possible.
5. Drill a 7-7/8" hole to 5500' with a fresh water mud system. No cores are planned. DST's will be run as needed to evaluate unexpected shows.
6. Run logs. Set 5-1/2", 14#, K-55 casing. Casing program may be modified to provide added burst strength if needed for frac program.
7. Primary zone of interest is the Green River section.
8. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.

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.

SIGNED Richard Baumann TITLE Engineering Technician DATE 5-8-80  
Richard Baumann

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE FOR E. W. GUYNN DATE JUN 30 1980  
DISTRICT ENGINEER

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
\*See Instructions On Reverse Side

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

NOTICE OF APPROVAL

*State D. S.*

RECEIVED

JUL 02 1980

Oil and Gas Drilling

EA # 424-80

DIVISION OF  
OIL, GAS & MINING

United States Department of the Interior  
Geological Survey  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84104

Usual Environmental Analysis

Date June 13 1980

Operator Mapco Production Company Project or Well Name and No. 1-26A

Location 550' FNL & 809' FEL Sec. 26 T. 9S R. 18E

County Uintah State Utah Field/Unit Wildcat

Lease No. U-19266 Permit No..

Joint Field Inspection Date June 2 1980

Prepared By. Greg Darlington

Field Inspection Participants, Titles and Organizations:

Greg Darlington  
Gary Slagel  
Larry England  
Darwin Kulland

USGS-Vernal  
BLM-Vernal  
BLM-Vernal  
Mapco Production Company

Related Environmental Analyses and References

Unit Resource Analysis, Duchesne Planning Unit (08-06), BLM, Vernal

6-26-80 kr

*Admin Camp? 1/2 190 x 400  
Plot 120 x 175  
3000' x 30' road access  
36/1000  
Access moved to 580' FEL  
Oil State Strip  
Cable 182  
1979*

## DISCRIPTION OF PROPOSED ACTION

Proposed Action.

1. Location State Utah  
County. Uintah  
550' FNL 809' FEL NE 1/4 NE 1/4  
Section 26, T9S R18E SL M.
2. Surface Ownership Location Public.  
Access Road: Public.

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JUL 02 1980

DIVISION OF  
OIL, GAS & MINING

Status of  
Reclamation Agreements

Generally adequate for the APD. The BLM will be consulted regarding any associated reclamation activities related to this proposed project.

3. Dates APD Filed May 12, 1980 .  
APD Technically Complete. June 2, 1980  
APD Administratively Complete. May 30, 1980
4. Project Time Frame  
Starting Date upon approval .  
Duration of Drilling activities: 15 days.  

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseeding would normally occur within one year, revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation
5. Related actions of other federal or state agencies and Indian tribes  
None known.
6. Nearby pending actions which may affect or be affected by the proposed action  
None known.
7. Status of Variance Requests  
None known

The following elements of the proposed action would/could result in environmental impacts:

1. A drill pad 190' wide x 400' long and a reserve pit 150' x 175' would be constructed. Approximately 3000 feet of new access road, averaging 18' driving surface would be constructed a maintained road. 3.6 acres of disturbed surface would be associated with the project. Maximum disturbed width of access road would be limited to 30'.
2. Drilling would be to a proposed depth of 5500 feet.
3. Waste disposal
4. Traffic
5. Water requirements
6. Completion
7. Production
8. Transportation of hydrocarbons
9. Other

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JUL 02 1980

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OIL, GAS & MINING

Details of the proposed action are described in the Application for Permit to Drill.

The location was moved to 550' FNL and 809' FEL to accommodate State spacing. The new location had been staked and one copy of the layout diagram was shared at the onsite. We each were furnished a copy of the Sundry Notice detailing correct new footages at the time of the onsite.

The access road was changed per the attached map to adjust for the relocated site. According to the operator, the relocation was to accommodate State spacing requirements. My interpretation of this move is that possibly the geology was really the reason since the previous site was not really in conflict with State spacing according to my understanding of it.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography The location is on a small hill. The new road to be built will be quite close to an existing fence line. The location is relatively flat with some small washes nearby.

PARAMETER

A. Geology

1. Other Local Mineral Resources to be Protected. The land is withdrawn for oil shale. The Mahogany Zone is thought to be at about 2300 feet depth.

Information Source: Mineral Evaluation Report.

2. Hazards.

- a. Land Stability. Apparently suitable for this proposed project.

Information Source: Field observation

- b. Subsidence: Not likely to be a significant problem at this location.

Information Source: Field observation.

- c. Seismicity. This location is in an area of minor seismic risk.

Information Source. Geologic Atlas of the Rocky Mountain Region, 1972 , "Earthquakes of Record and Interpreted Seismicity 1852-1869", Rocky Mountain Association of Geologists.

- d. High Pressure Zones/Blowout Prevention. No abnormal pressures or temperatures are anticipated. BOP equipment is described in the APD.

Information Source. APD.

B. Soils:

1. Soil Character: The soil is a sandy clay with poorly graded gravels and shales.

Information Source: APD.

2. Erosion/Sedimentation: This is unlikely to have any significant impacts beyond the applied for area of disturbance. On the area of disturbance associated with the pad and access road to be built several minor impacts may be present requiring a regular maintenance.

Information Source: Field observation.

- C. Air Quality: Likely to be temporarily impacted during construction and drilling activities.

Information Source: Field observation.

- D. Noise Levels: Likely to be temporarily impacted during construction and drilling activities.

Information Source: Field observation.

E. Water Resources

1. Hydrologic Character

- a. Surface Waters. Drainage from the location is nonperennial to the Green River about 3 1/2 miles east of the location.

Information Source: APD.

b. Ground Waters: Fresh water may be encountered in the Uintah and Green River Formations to about 3500 feet.

Information Source: Mineral Evaluation Report.

2. Water Quality

a. Surface Waters: The potential for contamination of surface water is not very high. Proper pit construction and nature of the nonperennial drainages at the location will tend to minimize this danger, although the Green River is only about 3 1/2 miles East of the location.

Information Source: Field observation and APD.

b. Ground Waters. The APD describes a casing program which should suitably prevent the commingling of drilling fluids with potentially usable groundwater.

Information Source. APD

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the BLM comments received from Vernal District, BLM on June 5, 1980, we determine that there would be no effect on endangered and threatened species and their critical habitat.

2. Flora: Areas of sagebrush, rabbitbrush, cacti, native grasses and large areas of relatively bare soil with sparse vegetation are common to the area. Most of the proposed location and access road are vegetated.

Information Source: APD and personal observation.

3. Fauna: Mule deer, coyotes, pronghorn antelope, rabbits, small rodents, small reptiles, and various birds, such as raptors, finches, ground sparrows, magpies, crows and jays.

Information Source: APD.

G. Land Uses

1. General: Grazing of livestock and sheep is the primary land use. Oil well exploration and development has been recently involved in several nearby wells.

Information Source: APD and Field observation.

2. Affected Floodplains and/or Wetlands: None.

Information Source: Field observation.

3. Roadless/Wilderness Area Not Applicable.

Information Source: BLM, Utah Wilderness Inventory Map, August, 1979.

H. Aesthetics: There would be a minor impact to aesthetics. This area is remote and seldom visited, hence the impact would not be severe. The location is presently relatively flat and should be easy to build although an existing fence must be routed around it.

Information Source: Field observation.

I. Socioeconomics: The impact of one well would not be very significant. This well is likely if successful to lead to limited cumulative impacts of further exploration. Two other wells have been drilled this past year within 3/4 mile of this location and have been moderately disappointing.

Information Source: G. Darlington and Darwin Kulland.

J. Cultural Resources Determination: Based on the BLM comments received from Vernal District BLM on June 5, 1980, we determine that there would be no effect on cultural resources subject to the mentioned receipt of suitable archaeological clearances and statement that Vernal BLM has these.

Information Source: BLM stipulations letter.

K. Other:

Information Source:

L. Adequacy of Restoration Plans: These seem to be adequate. The BLM will be further consulted when the time comes for reclamation activities at this location, or when production is established regarding any portions of the pad no longer needed by the operator.

Information Source: APD and BLM stipulations letter.

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.

2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

3. Other -

Adverse Environmental Effects:

## 1. If approved as proposed:

- a. About 3.6 acres of vegetation would be removed, increasing and accelerating erosion potential.
- b. Pollution of groundwater systems could occur with the introduction of drilling fluids into the aquifer(s). The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.
- c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.
- d. The potential for fires, leaks, spills of gas and oil or water exists.
- e. During construction and drilling phases of the operation, noise and dust levels would increase.
- f. Distractions from aesthetics during the lifetime of the project would exist.
- g. Erosion from the site would eventually be carried as sediment in the Green River. The potential for pollution to Green River would exist through leaks and spills.
- h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.
- i. Other:

## 2. Conditional Approval:

- a. All adverse impacts described in section one above would occur.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. See attached Lease Stipulations.
2. See attached BLM Stipulations.

3. Note the comments of Oil Shale Office Geologist, Ray Brady, concerning the proposed casing program.
4. Check the mining report for possibly requested logging records.

Controversial Issues and Conservation Division Response:

None are evident at present.

We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination:

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102 (2)(C).

*E. W. [Signature]* DISTRICT ENGINEER  
 Signature & Title of Approving Official

JUN 30 1980  
Date



West View of Mapco 1-26A  
 Sec 26, T9S, R18E 6/5

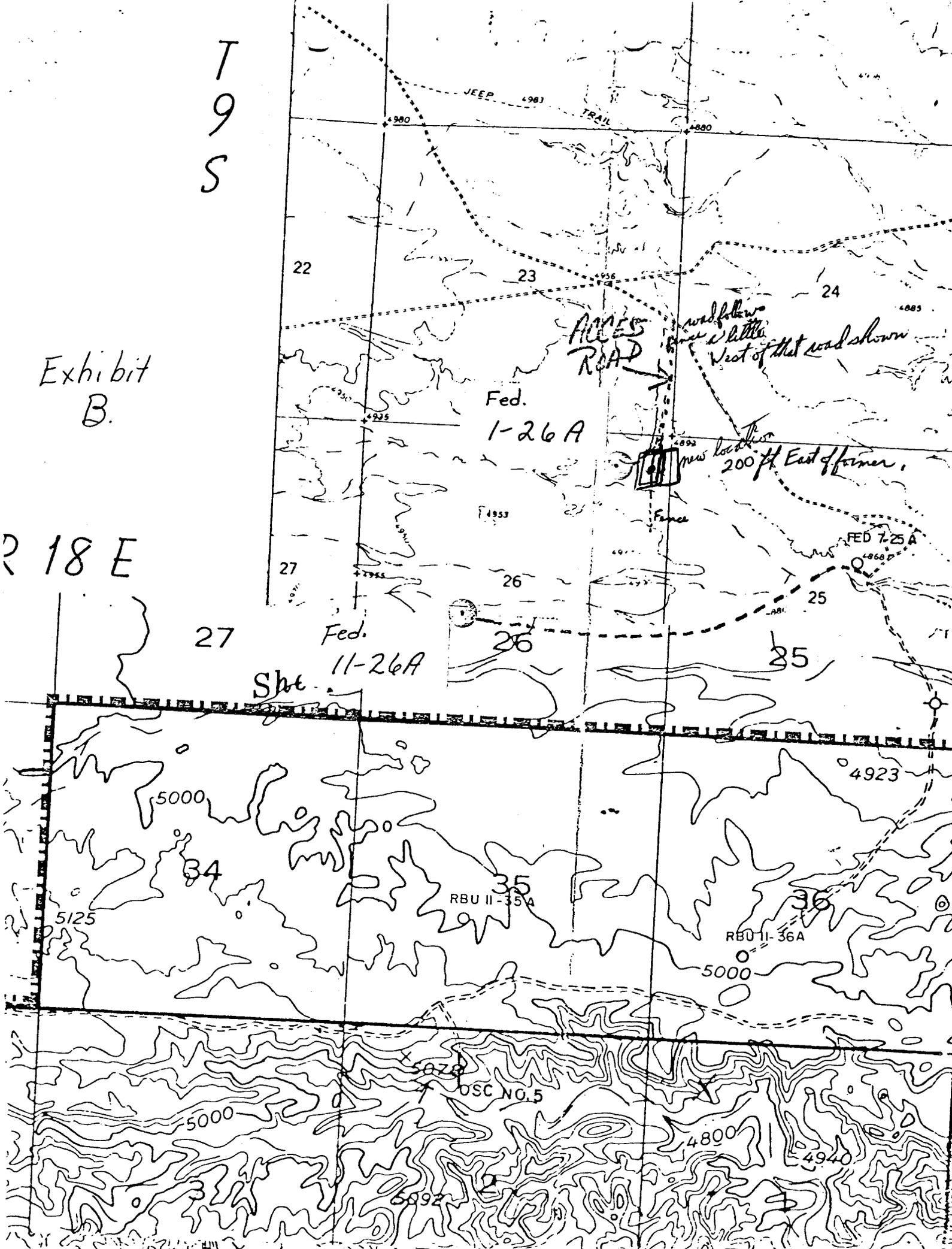


East View of Mapco 1-26A  
 Sec 26, T9S, R18E 6/5

T  
9  
S

Exhibit  
B.

R 18 E



JEEP TRAIL

22

23

24

ACCESS ROAD

will follow fence a little West of that road shown

Fed. 1-26A

new location 200 ft East of former.

27

26

25

27

Fed. 11-26A

26

25

Shr

5000

4923

34

RBU II-35A

36

5125

RBU II-36A

5000

OSC NO. 5

5000

4800

4940

5092

USO 3110-4  
(3/71)

STIPULATIONS FOR LANDS IN OIL SHALE WITHDRAWAL,  
EXECUTIVE ORDER 5327 OF APRIL 15, 1930

The lessee under the above oil and gas lease hereby agrees that the following agreement and stipulations are by this reference incorporated as terms and conditions of said lease as to the following lands:

All the lands in the lease.

The lessee agrees that:

1. No wells will be drilled for oil or gas except upon approval of the Regional Oil and Gas Supervisor of the Geological Survey, it being understood that drilling will be permitted only in the event that it is established to the satisfaction of the Supervisor that such drilling will not interfere with the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods or that the interest of the United States would best be served thereby.
2. No wells will be drilled for oil or gas at a location which, in the opinion of the Regional Oil and Gas Supervisor of the Geological Survey, would result in undue waste of oil shale deposits or constitute a hazard to or unduly interfere with mining or other operations being conducted for the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods.
3. When it is determined by the Regional Oil and Gas Supervisor of the Geological Survey that unitization is necessary for orderly oil and gas development and proper protection of oil shale deposits, no well shall be drilled for oil or gas except pursuant to an approved unit plan.
4. The drilling or the abandonment of any well on this lease shall be done in accordance with applicable oil and gas operating regulations including such requirements as the Regional Oil and Gas Supervisor of the Geological Survey may prescribe as necessary to prevent the infiltration of oil, gas or water into formations containing oil shale deposits or into mines or workings being utilized in the extraction of such deposits.

STIPULATION

As to the lands described in the above identified oil and gas lease which are administered by the Bureau of Land Management, the lessee hereby agrees, under penalty of cancellation of his lease, that the following stipulations are by this reference incorporated as terms and conditions of said lease:

At least 10 days in advance of any proposed operations which may disturb the surface of the land, the lessee shall submit in writing to the Bureau of Land Management District Manager of the district in which the land is located for advance written approval by that officer, a detailed plan of operations which will, or which may result in damage to federal property or land or scarring of the land surface, or induce erosion, including any planned use of bulldozers, earth-moving equipment or similar mobile equipment. Said operations include, but are not limited to, exploratory drilling, the construction of access roads, and the conduct of seismographic explorations. The said operations will be conducted only to the extent so approved in writing by the District Manager.

Greg

FROM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&amp;G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-19266OPERATOR: MAPCOWELL NO. Federal 1-26ALOCATION: NW $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$  sec. 26, T. 9S., R. 18E., SLMUintah County, Utah

1. Stratigraphy: Operator estimates top of Green River at a depth of 1720'.  
My data indicates a depth of ~1400'.

|             |         |
|-------------|---------|
| Uintah      | Surface |
| Green River | 1400    |
| Wasatch     | 5385    |
| TD          | 5500    |

2. Fresh Water:

Fresh and useable water may be encountered in the Uintah and Green River to ~3500'.

3. Leasable Minerals:

Land is withdrawn for oil shale.

The mahogany zone will be encountered at ~2300' depth.

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards: None anticipated



6. References and Remarks:

PI cards for estimating depth to Green River

Signature: Gregory W WoodDate: 6-5-80



# United States Department of the Interior

IN REPLY REFER TO

T & R  
(U-801)

BUREAU OF LAND MANAGEMENT

VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

June 3, 1980



Mr. Ed Guynn, District Engineer  
USGS, Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

Re: MAPCO Production Company  
Well #5-12D T10S, R18E, Sec. 12  
Well #4-30B T9S, R19E, Sec. 30  
✓ Well #1-26A T9S, R18E, Sec. 26

Dear Mr. Guynn:

A joint field examination with personnel from the BLM, USGS, and MAPCO Production Company, was made on June 2, 1980 of the above referenced well site locations and their access roads. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads and rehabilitation of disturbed areas shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development".
2. The maximum width of access roads will be 30 feet total disturbed area. Roads will be crowned and properly maintained by the operator. Travelling off access road right-of-ways will not be allowed. Turnouts will not be required.
3. Topsoil will be stockpiled as addressed in the applicants 13 point plan. The BLM recommends that the top 8-10 inches of soil be stockpiled at each site.
4. A cattleguard will be necessary for the access road to well #4-30B.
5. A fence that crosses the pad for well #1-26A will have to be re-routed around the location. The fence will be reconstructed in the manner in which it is presently built. Should the well prove to be a dry hole, the fence will be put back in its original place.



6. The pit for well #5-12D will be reduced to 100' x 175'.
7. It was decided at the joint on-site to move the pad for well #5-12D south 50 feet, and to rotate the entire pad clockwise 10° to run with the slope of the hill.
8. A burn pit will not be constructed. There will be no burying of garbage and trash at well sites. All trash and garbage must be contained and hauled to the nearest sanitary landfill for proper disposal.
9. The BLM will be contacted at least 24 hours prior to pad construction.
10. The BLM will be contacted at least 24 hours prior to any rehabilitation so that the operator may be appraised of seeding and restoration requirements.

Archeological clearances have been received by this office for these proposed wells and their access roads.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna or their habitats.

Sincerely,



Ralph J. Heft  
Area Manager  
Diamond Mtn. Resource Area

cc: USGS, Vernal



United States Department of the Interior

GEOLOGICAL SURVEY  
Conservation Division  
8440 Federal Building  
Salt Lake City, Utah 84138

Well # 1-26A  
Mapco Prod. Co.  
26-95-18E  
Quintch Comm  
EQ # 424-8

RECEIVED  
JUN 2 1980  
OFFICE OF  
OIL SHALE SUPERVISOR

Mr. Peter Rutledge  
Area Oil Shale Supervisor  
Area Oil Shale Office  
131 North Sixth, Suite 300  
Grand Junction, Colorado 81501

Dear Mr. Rutledge,

The Office of Oil and Gas Operations, Conservation Division, received the attached Application for Permit to Drill, Deepen, or Plug Back (Form 9-331C).

Please review this proposal for any conflict with any of the resources in the oil shale tracts and withdrawal areas. If needed, set forth the stipulations you determine necessary for adequate protection. Please use the following space for your response (if there is none, so state), together with date and initials of person responsible and return to the Office of Oil and Gas Operations.

U.S. Geological Survey  
8440 Federal Building  
125 South State Street  
Salt Lake City, Utah 84138

Mapco 1-26A

June 2, 1980

Proposed casing and cementing program indicates that 5½-inch casing will be set at a depth of 5500' with cement circulated to the surface. This program is acceptable for protection of the Green River oil shale section and aquifer.

If cement cannot be circulated, then the program should be revised to include a lower cement plug at the base of the Green River oil shale section, and an upper plug across the Mahogany oil shale zone and top of the Green River section.

Ray A. Brady  
Geologist

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Mapco Production Company

WELL NAME: Federal #1-26A

SECTION 26 NE NE TOWNSHIP 9S RANGE 18E COUNTY Uintah

DRILLING CONTRACTOR All Western Drilling

RIG # 2

SPUDDED: DATE 8/19/80

TIME p.m.

How dry hole spudder

DRILLING WILL COMMENCE 8/21/80

REPORTED BY Darwin Kulland

TELEPHONE #

DATE August 19, 1980

SIGNED *M. J. M.*

cc: USGS

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-19266  
Communitization Agreement No. NA  
Field Name NA  
Unit Name RIVER BEND UNIT  
Participating Area NA  
County UINTAH State UTAH  
Operator MAPCO PRODUCTION COMPANY  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

| Well No.  | Sec. & 1/4 of 1/4 | TWP   | RNG   | Well Status          | Days Prod. | *Barrels of Oil | *MCF of Gas | *Barrels of Water | Remarks |
|-----------|-------------------|---|-------|----------------------|------------|-----------------|-------------|-------------------|---------|
| FED.1-26A | 26 NENE           | 9S  | 18E   | DRLG                 |            |                 |             |                   |         |
|           | 8-27-80           | Drilled to 400' w air rig. Set 8 5/8" csg @ 391' cmt w 250 sx |       |                      |            |                 |             |                   |         |
|           | 10-19-80          | Spudded well (3566-3638)                                      |       |                      |            |                 |             |                   |         |
|           | 10-27-80          | Ran DST #1 Pipe Recovery 2464' water                          |       |                      |            |                 |             |                   |         |
|           | 10-31-80          | TD 4693'  |       | Drlg Green River     |            |                 |             |                   |         |
|           | DST #2            | 4518'   | 4576' | Pipe Recovery 3' mud |            |                 |             |                   |         |

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

|                          | Oil & Condensate (BBLs) | Gas (MCF)          | Water (BBLs)       |
|--------------------------|-------------------------|--------------------|--------------------|
| *On hand, Start of Month | _____                   | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *Produced                | _____                   | _____              | _____              |
| *Sold                    | _____                   | _____              | XXXXXXXXXXXXXXXXXX |
| *Spilled or Lost         | _____                   | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *Flared or Vented        | XXXXXXXXXXXXXXXXXX      | _____              | XXXXXXXXXXXXXXXXXX |
| *Used on Lease           | _____                   | _____              | XXXXXXXXXXXXXXXXXX |
| *Injected                | _____                   | _____              | _____              |
| *Surface Pits            | XXXXXXXXXXXXXXXXXX      | XXXXXXXXXXXXXXXXXX | _____              |
| *Other (Identify)        | _____                   | _____              | _____              |
| *On hand, End of Month   | _____                   | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *API Gravity/BTU Content | _____                   | _____              | XXXXXXXXXXXXXXXXXX |

Authorized Signature: Richard Brumana Address: 1643 Lewis Ave. Suite 202, Billings, M  
Title: Engineering Technician Page \_\_\_\_\_ of \_\_\_\_\_ 59102

COMPANY MARCO, INC. WELL ~~CARBONATE~~ TEST NO. 12 COUNTY UINTAH STATE UTAH

*Field 1204 R.S. Field*

**JOHNSTON-MACCO**  
**Schlumberger**

**technical  
report**

FIELD REPORT #25387 D



----- SURFACE INFORMATION -----

| DESCRIPTION(RATE OF FLOW)  | TIME | PRESSURE<br>PSIG | SURFACE<br>CHOKE |
|----------------------------|------|------------------|------------------|
| SET PACKER                 | Ø816 | -                | 1/4"             |
| OPENED TOOL                | Ø819 | Ø                | "                |
| NO BLOW THROUGHOUT TEST    |      |                  |                  |
| CLOSED FOR INITIAL SHUT-IN | Ø832 | -                | "                |
| RE-OPENED TOOL             | Ø935 | Ø                | "                |
| CLOSED FOR FINAL SHUT-IN   | 1ØØ5 | -                | "                |
| FINISHED SHUT-IN           | 1135 | -                | "                |
| PULLED PACKER LOOSE        | 1136 | -                | "                |

|                 |      |        |                        |
|-----------------|------|--------|------------------------|
| CUSHION TYPE: - | - FT | - PSIG | 15/16 IN. BOTTOM CHOKE |
|-----------------|------|--------|------------------------|

----- RECOVERY INFORMATION -----

| RECOVERY    | FEET | BARRELS | %OIL | %WATER | %OTHERS | API<br>GRAV. | DEG. | RESIST | DEG. | CHL<br>PPM |
|-------------|------|---------|------|--------|---------|--------------|------|--------|------|------------|
| GAS CUT MUD | 3    | .Ø1     |      |        |         |              |      | .4     | 8Ø   | 24ØØØ      |

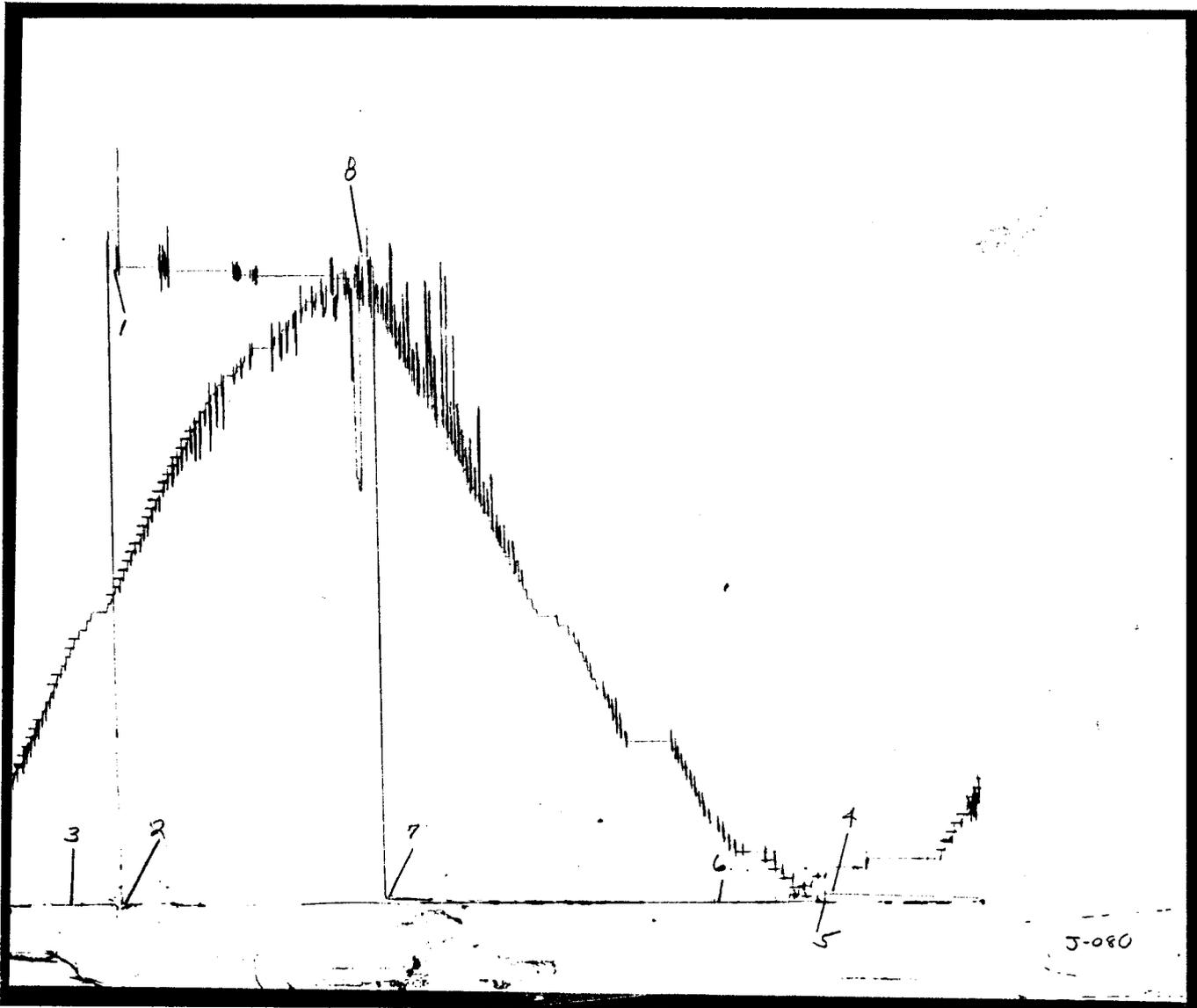
FIELD REPORT NO. 25387D

FIELD REPORT NO.: 25387 D

CAPACITY: 2,800#

INSTRUMENT NO.: J-084

NUMBER OF REPORTS: 9+



BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-084  
 PORT OPENING: INSIDE

CAPACITY (PSI): 2800  
 BOTTOM HOLE TEMP (F): 180

DEPTH (FT): 4537

| EXPLANATION              | LABELED POINT | PRESSURE (PSIG) | ELAPSED TIME (MIN) |
|--------------------------|---------------|-----------------|--------------------|
| HYDROSTATIC MUD          | 1             | 2148            | 1.6                |
| START FLOW               | 2             | 2               | 0.0                |
| END FLOW & START SHUT-IN | 3             | 1               | 14.3               |
| END SHUT-IN              | 4             | 30              | 72.5               |
| START FLOW               | 5             | 4               | 74.5               |
| END FLOW & START SHUT-IN | 6             | 4               | 104.0              |
| END SHUT-IN              | 7             | 17              | 195.9              |
| HYDROSTATIC MUD          | 8             | 2176            | 201.2              |

\*\*\*\*\*  
 \* SUMMARY OF FLOW PERIODS \*  
 \*\*\*\*\*

| FLOW PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF FLOW (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) |
|-------------|-----------------------------|---------------------------|------------------------|--------------------------|------------------------|
| 1           | 0.0                         | 14.3                      | 14.3                   | 2                        | 1                      |
| 2           | 74.5                        | 104.0                     | 29.5                   | 4                        | 4                      |

\*\*\*\*\*  
 \* SUMMARY OF SHUT-IN PERIODS \*  
 \*\*\*\*\*

| SHUT-IN PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF SHUT-IN (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) | FINAL FLOW PRESSURE (PSIG) | PRODUCING TIME (MIN) |
|----------------|-----------------------------|---------------------------|---------------------------|--------------------------|------------------------|----------------------------|----------------------|
| 1              | 14.3                        | 72.5                      | 58.2                      | 1                        | 30                     | 1                          | 14.3                 |
| 2              | 104.0                       | 195.9                     | 91.9                      | 4                        | 17                     | 4                          | 43.8                 |

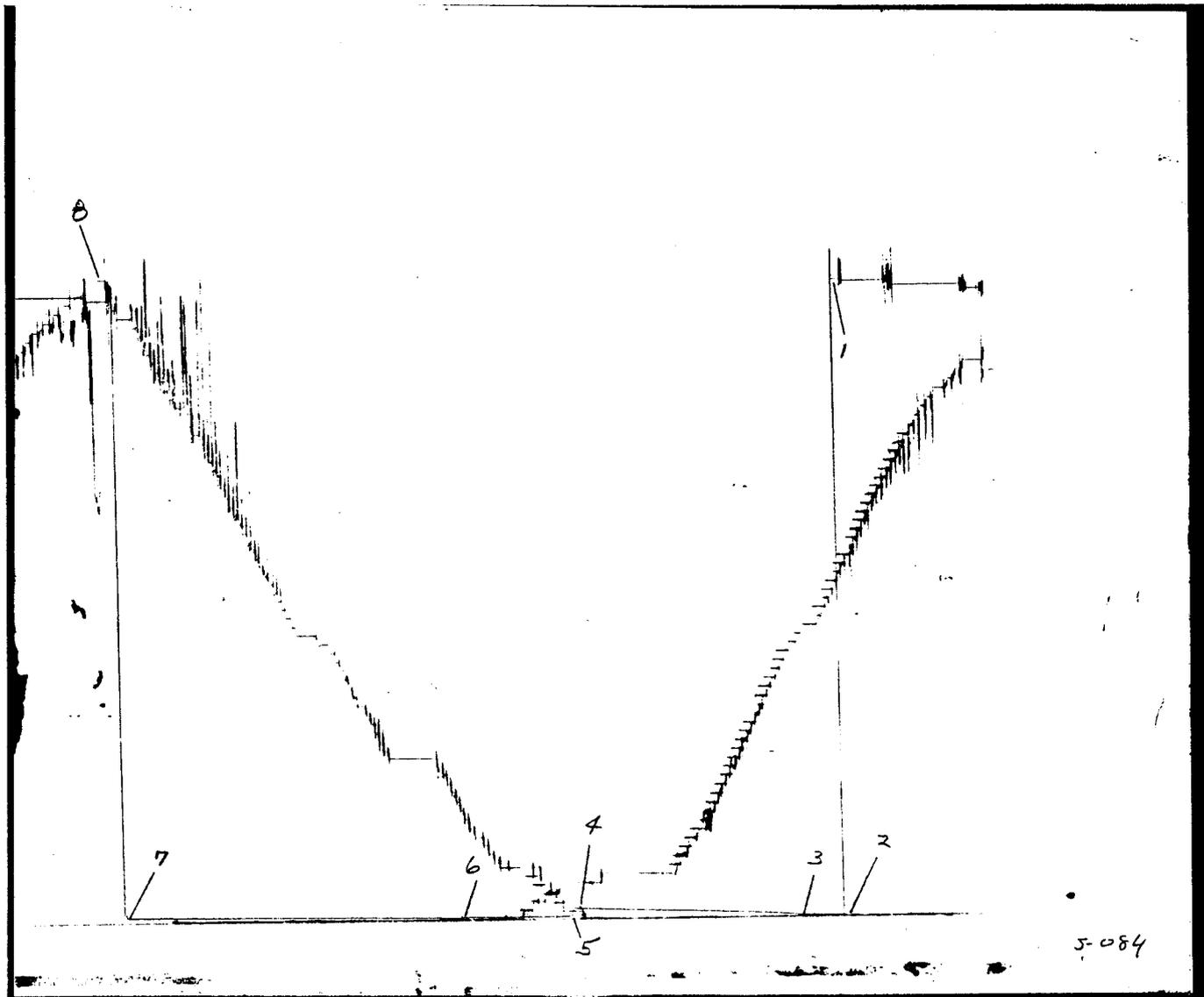
FIELD REPORT NO.: 25387 D

CAPACITY: 2,800#

JOHNSTON  
Schlumberger

INSTRUMENT NO.: J-080

NUMBER OF REPORTS: 9+



J-084

# PRESSURE LOG

FIELD REPORT NO. 25387D

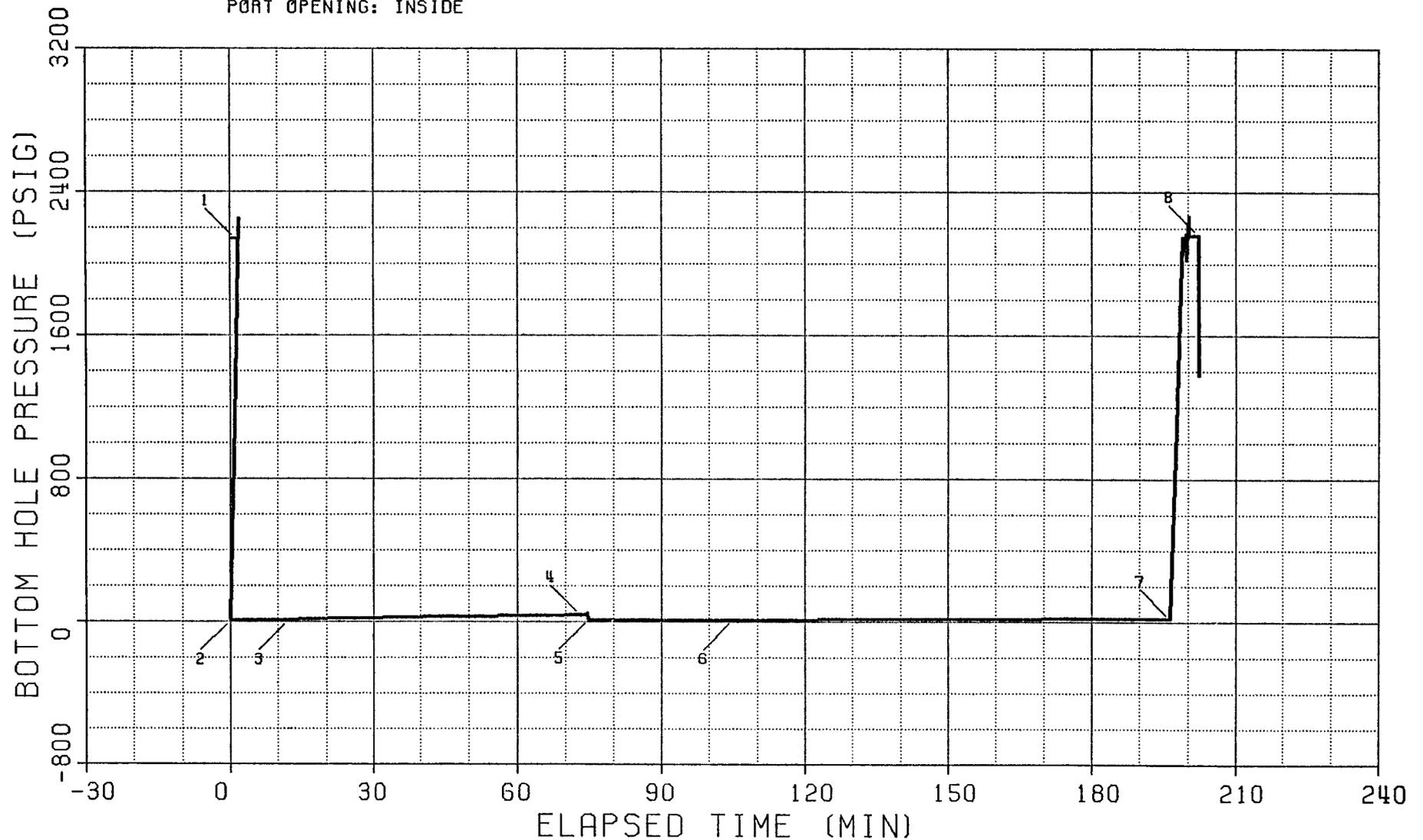
INSTRUMENT:

NUMBER: J-080

CAPACITY: 2800 PSI

DEPTH: 4543 FT

PORT OPENING: INSIDE



BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-080  
 PORT OPENING: INSIDE

CAPACITY (PSI): 2800  
 BOTTOM HOLE TEMP (F): 180

DEPTH (FT): 4543  
 PAGE 1

| EXPLANATION              | LABELED POINT | PRESSURE (PSIG) | ELAPSED TIME (MIN) |
|--------------------------|---------------|-----------------|--------------------|
| HYDROSTATIC MUD          | 1             | 2140            | 1.2                |
| START FLOW               | 2             | 8               | 0.0                |
| END FLOW & START SHUT-IN | 3             | 8               | 12.2               |
| END SHUT-IN              | 4             | 38              | 73.1               |
| START FLOW               | 5             | 14              | 74.8               |
| END FLOW & START SHUT-IN | 6             | 11              | 104.9              |
| END SHUT-IN              | 7             | 19              | 196.3              |
| HYDROSTATIC MUD          | 8             | 2162            | 202.3              |

\*\*\*\*\*  
 \* SUMMARY OF FLOW PERIODS \*  
 \*\*\*\*\*

| FLOW PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF FLOW (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) |
|-------------|-----------------------------|---------------------------|------------------------|--------------------------|------------------------|
| 1           | 0.0                         | 12.2                      | 12.2                   | 8                        | 8                      |
| 2           | 74.8                        | 104.9                     | 30.1                   | 14                       | 11                     |

\*\*\*\*\*  
 \* SUMMARY OF SHUT-IN PERIODS \*  
 \*\*\*\*\*

| SHUT-IN PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF SHUT-IN (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) | FINAL FLOW PRESSURE (PSIG) | PRODUCING TIME (MIN) |
|----------------|-----------------------------|---------------------------|---------------------------|--------------------------|------------------------|----------------------------|----------------------|
| 1              | 12.2                        | 73.1                      | 60.9                      | 8                        | 38                     | 8                          | 12.2                 |
| 2              | 104.9                       | 196.3                     | 91.3                      | 11                       | 19                     | 11                         | 42.3                 |

TEST PHASE : FLOW PERIOD # 1  
\*\*\*\*\*

| ELAPSED TIME<br>(MIN) | DELTA TIME<br>(MIN) | FLOWING PRESSURE<br>(PSIG) |
|-----------------------|---------------------|----------------------------|
| 0.0                   | 0.0                 | 8                          |
| 5.0                   | 5.0                 | 8                          |
| 10.0                  | 10.0                | 8                          |
| 12.2                  | 12.2                | 8                          |

TEST PHASE : SHUT-IN PERIOD # 1  
\*\*\*\*\*

1. FINAL FLOW PRESSURE ["P<sub>WF</sub> "] = 8 PSIG
2. PRODUCING TIME ["T<sub>P</sub> "] = 12.2 MIN

| ELAPSED TIME<br>(MIN) | DELTA TIME ["DT"]<br>(MIN) | SHUT-IN PRESSURE ["P <sub>WS</sub> "]<br>(PSIG) | LOG [(T +DT)/DT]<br>P | DELTA PRESSURE<br>[P <sub>WS</sub> - P <sub>WF</sub> ] |
|-----------------------|----------------------------|---|-----------------------|--|
| 12.2                  | 0.0                        | 8   |                       | 0  |
| 13.2                  | 1.0                        | 11  | 1.120                 | 2  |
| 14.2                  | 2.0                        | 12  | 0.851                 | 4  |
| 15.2                  | 3.0                        | 13  | 0.704                 | 5  |
| 16.2                  | 4.0                        | 14  | 0.607                 | 5  |
| 17.2                  | 5.0                        | 15  | 0.536                 | 6  |
| 18.2                  | 6.0                        | 15  | 0.481                 | 7  |
| 19.2                  | 7.0                        | 16  | 0.438                 | 7  |
| 20.2                  | 8.0                        | 16  | 0.402                 | 8  |
| 21.2                  | 9.0                        | 17  | 0.372                 | 9  |
| 22.2                  | 10.0                       | 17  | 0.346                 | 9  |
| 24.2                  | 12.0                       | 19  | 0.304                 | 10   |
| 26.2                  | 14.0                       | 20  | 0.272                 | 11   |
| 28.2                  | 16.0                       | 21  | 0.246                 | 12   |
| 30.2                  | 18.0                       | 22  | 0.224                 | 13   |
| 32.2                  | 20.0                       | 23  | 0.207                 | 14   |
| 34.2                  | 22.0                       | 24  | 0.191                 | 15   |
| 36.2                  | 24.0                       | 25  | 0.178                 | 16   |
| 38.2                  | 26.0                       | 26  | 0.167                 | 17   |
| 40.2                  | 28.0                       | 27  | 0.157                 | 18   |
| 42.2                  | 30.0                       | 27  | 0.148                 | 19   |
| 47.2                  | 35.0                       | 29  | 0.130                 | 21   |
| 52.2                  | 40.0                       | 31  | 0.115                 | 23   |
| 57.2                  | 45.0                       | 33  | 0.104                 | 25   |
| 62.2                  | 50.0                       | 35  | 0.095                 | 27   |
| 67.2                  | 55.0                       | 37  | 0.087                 | 29   |
| 72.2                  | 60.0                       | 38  | 0.080                 | 30   |
| 73.1                  | 60.9                       | 38  | 0.079                 | 30   |

FIELD REPORT NO. 25387D  
INSTRUMENT NO. J-080TEST PHASE : FLOW PERIOD # 2  
\*\*\*\*\*

| ELAPSED TIME<br>(MIN) | DELTA TIME<br>(MIN) | FLOWING PRESSURE<br>(PSIG) |
|-----------------------|---------------------|----------------------------|
| 74.8                  | 0.0                 | 14                         |
| 79.8                  | 5.0                 | 11                         |
| 84.8                  | 10.0                | 11                         |
| 89.8                  | 15.0                | 11                         |
| 94.8                  | 20.0                | 11                         |
| 99.8                  | 25.0                | 11                         |
| 104.8                 | 30.0                | 11                         |
| 104.9                 | 30.1                | 11                         |

TEST PHASE : SHUT-IN PERIOD # 2  
\*\*\*\*\*

1. FINAL FLOW PRESSURE ["P<sub>WF</sub>"] = 11 PSIG
2. PRODUCING TIME ["T<sub>P</sub>"] = 42.3 MIN

| ELAPSED TIME<br>(MIN) | DELTA TIME ["DT"]<br>(MIN) | SHUT-IN PRESSURE ["P <sub>WS</sub> "]<br>(PSIG) | LOG [(T + DT)/DT]<br>P | DELTA PRESSURE<br>[P <sub>WS</sub> - P <sub>WF</sub> ] |
|-----------------------|----------------------------|---|------------------------|--|
| 104.9                 | 0.0                        | 11  |                        | 0  |
| 105.9                 | 1.0                        | 9   | 1.636                  | -2   |
| 106.9                 | 2.0                        | 9   | 1.345                  | -1   |
| 107.9                 | 3.0                        | 10  | 1.179                  | -1   |
| 108.9                 | 4.0                        | 10  | 1.063                  | -1   |
| 109.9                 | 5.0                        | 10  | 0.976                  | 0  |
| 110.9                 | 6.0                        | 10  | 0.906                  | 0  |
| 111.9                 | 7.0                        | 11  | 0.848                  | 0  |
| 112.9                 | 8.0                        | 11  | 0.798                  | 0  |
| 113.9                 | 9.0                        | 11  | 0.756                  | 0  |
| 114.9                 | 10.0                       | 11  | 0.718                  | 1  |
| 116.9                 | 12.0                       | 12  | 0.656                  | 1  |
| 118.9                 | 14.0                       | 12  | 0.604                  | 1  |
| 120.9                 | 16.0                       | 12  | 0.561                  | 2  |
| 122.9                 | 18.0                       | 13  | 0.525                  | 2  |
| 124.9                 | 20.0                       | 13  | 0.493                  | 2  |
| 126.9                 | 22.0                       | 13  | 0.466                  | 2  |
| 128.9                 | 24.0                       | 13  | 0.441                  | 3  |
| 130.9                 | 26.0                       | 14  | 0.419                  | 3  |
| 132.9                 | 28.0                       | 14  | 0.400                  | 3  |
| 134.9                 | 30.0                       | 14  | 0.382                  | 4  |
| 139.9                 | 35.0                       | 15  | 0.344                  | 4  |
| 144.9                 | 40.0                       | 15  | 0.313                  | 5  |
| 149.9                 | 45.0                       | 16  | 0.288                  | 5  |
| 154.9                 | 50.0                       | 16  | 0.266                  | 6  |
| 159.9                 | 55.0                       | 17  | 0.248                  | 6  |

TEST PHASE: SHUT-IN PERIOD # 2  
\*\*\*\*\*

1. FINAL FLOW PRESSURE ["P "] = 11 PSIG
2. PRODUCING TIME ["T "] = <sup>WF</sup> 42.3 MIN  
P

| ELAPSED TIME<br>(MIN)<br>***** | DELTA TIME ["DT"]<br>(MIN)<br>***** | SHUT-IN PRESSURE ["P "]<br>WS<br>(PSIG)<br>***** | LOG [(T +DT)/DT]<br>P<br>***** | DELTA PRESSURE<br>[P - P ]<br>WS WF<br>***** |
|--------------------------------|-------------------------------------|--|--------------------------------|--|
| 164.9                          | 60.0                                | 17   | 0.232                          | 7  |
| 169.9                          | 65.0                                | 18   | 0.218                          | 7  |
| 174.9                          | 70.0                                | 19   | 0.205                          | 8  |
| 179.9                          | 75.0                                | 19   | 0.194                          | 8  |
| 184.9                          | 80.0                                | 19   | 0.184                          | 9  |
| 189.9                          | 85.0                                | 19   | 0.175                          | 9  |
| 194.9                          | 90.0                                | 19   | 0.167                          | 9  |
| 196.3                          | 91.3                                | 19   | 0.165                          | 9  |

JS-164-A

COMPANY MAPCO, INC. WELL FEDERAL #1-26A TEST NO. 1 COUNTY UINTAH STATE UTAH

**JOHNSTON-MACCO**  
**Schlumberger**

# **technical report**

----- WELL IDENTIFICATION -----

|                |   |                   |                 |
|----------------|---|-------------------|-----------------|
| COMPANY:       | MAPCO, INC.<br>1643 LEWIS AVENUE<br>BILLINGS, MONTANA 59102 | CUSTOMER:         | SAME            |
| WELL:          | FEDERAL #1-26A  | LOCATION:         | SEC.1-T9-R18E   |
| TEST INTERVAL: | 3566' TO 3638'  | FIELD:            | -               |
| TEST NO:       | 1   | TEST DATE:        | 10-26-80        |
| COUNTY:        | UINTAH  | STATE:            | UTAH            |
| TECHNICIAN:    | RICHARDS (VERNAL)   | TEST APPROVED BY: | MR. DENNIS IVIE |

----- EQUIPMENT AND HOLE DATA -----

|                        |                  |                      |               |     |
|------------------------|------------------|----------------------|---------------|-----|
| TEST TYPE:             | M.F.E. OPEN HOLE | DRILL PIPE LENGTH:   | 3268          | FT. |
| ELEVATION:             | 4893             | DRILL PIPE I.D.:     | 2.76          | IN. |
| TOTAL DEPTH:           | 3638             | DRILL COLLAR LENGTH: | 275           | FT. |
| MAIN HOLE/CASING SIZE: | 7 7/8            | DRILL COLLAR I.D.:   | 2.25          | IN. |
| RAT HOLE/LINER SIZE:   |                  | PACKER DEPTHS:       | 3562 & 3566   | FT. |
| FORMATION TESTED:      | GREEN RIVER      |                      |               | FT. |
| NET PROD. INTERVAL:    | 16               | DEPTH REF. TO:       | KELLY BUSHING |     |
| POROSITY:              | -                |                      |               | %   |

----- TEST TOOL CHAMBER DATA -----

|                         |         |                        |
|-------------------------|---------|------------------------|
| SAMPLER PRESSURE:       | 10      | PSIG                   |
| RECOVERED OIL GRAVITY:  | API @   | DEG. F.                |
| RECOVERY GOR:           |         | FT <sup>3</sup> /BBL.  |
| SAMPLE CHAMBER CONTENTS |         |                        |
| FLUID                   | VOLUME  | RESIST. MEAS. CHLOR.   |
|                         |         | (OHM-M) (DEG F.) (PPM) |
| GAS:                    | FT.3    |                        |
| OIL:                    | CC      |                        |
| WATER:                  | 2400 CC | .4 60 13000            |
| MUD:                    | CC      |                        |
| FILTRATE:               |         |                        |
| TOTAL LIQUID:           | 2400 CC |                        |

----- MUD DATA -----

|             |                       |
|-------------|-----------------------|
| TYPE:       | GEL                   |
| WEIGHT:     | 8.3 LB/GAL.           |
| VISCOSITY:  | 27 SEC.               |
| WATER LOSS: | - CC                  |
| FLUID       | RESIST TEMP CHLOR     |
|             | (OHM-M) (DEG F) (PPM) |
| MUD:        | .2 46                 |
| FILTRATE:   | .2 46 27000           |

----- REMARKS -----

NO. OF REPORTS REQUESTED: 9 (5X'S)

FIELD REPORT NO. 25379D

----- SURFACE INFORMATION -----

| DESCRIPTION(RATE OF FLOW)        | TIME | PRESSURE<br>PSIG | SURFACE<br>CHOKE |
|----------------------------------|------|------------------|------------------|
| SET PACKER (10-26-80)            | 2002 | -                | 1/4              |
| OPENED TOOL<br>BLOW, 8" IN WATER | 2006 | -                | "                |
|                                  | 2008 | 1                | "                |
|                                  | 2016 | 1.5              | "                |
| CLOSED FOR INITIAL SHUT-IN       | 2021 | 1.5              | "                |
| FINISHED SHUT-IN                 | 2151 | -                | "                |
| RE-OPENED TOOL                   | 2155 | -                | "                |
| BLOW, 4" IN WATER                |      |                  |                  |
|                                  | 2156 | .75              | "                |
|                                  | 2157 | 1                | "                |
|                                  | 2233 | .5               | "                |
| SLIGHT BUBBLES                   | 2256 | -                | "                |
| CLOSED FOR FINAL SHUT-IN         | 2256 | -                | "                |
| FINISHED SHUT-IN (10-27-80)      | 0056 | -                | "                |
| PULLED PACKER LOOSE              | 0057 | -                | -                |

|               |    |      |                        |
|---------------|----|------|------------------------|
| CUSHION TYPE: | FT | PSIG | 15/16 IN. BOTTOM CHOKE |
|---------------|----|------|------------------------|

----- RECOVERY INFORMATION -----

| RECOVERY      | FEET | BARRELS | %OIL | %WATER | %OTHERS | API<br>GRAV. | DEG. | RESIST | DEG. | CHL<br>PPM |
|---------------|------|---------|------|--------|---------|--------------|------|--------|------|------------|
| WATER         | 2464 | 17.55   |      |        |         |              |      |        |      |            |
| TOP SAMPLE    |      |         |      |        |         |              |      | .45    | 48   | 13500      |
| MIDDLE SAMPLE |      |         |      |        |         |              |      | .35    | 46   | 14000      |
| BOTTOM SAMPLE |      |         |      |        |         |              |      | .40    | 60   | 13500      |

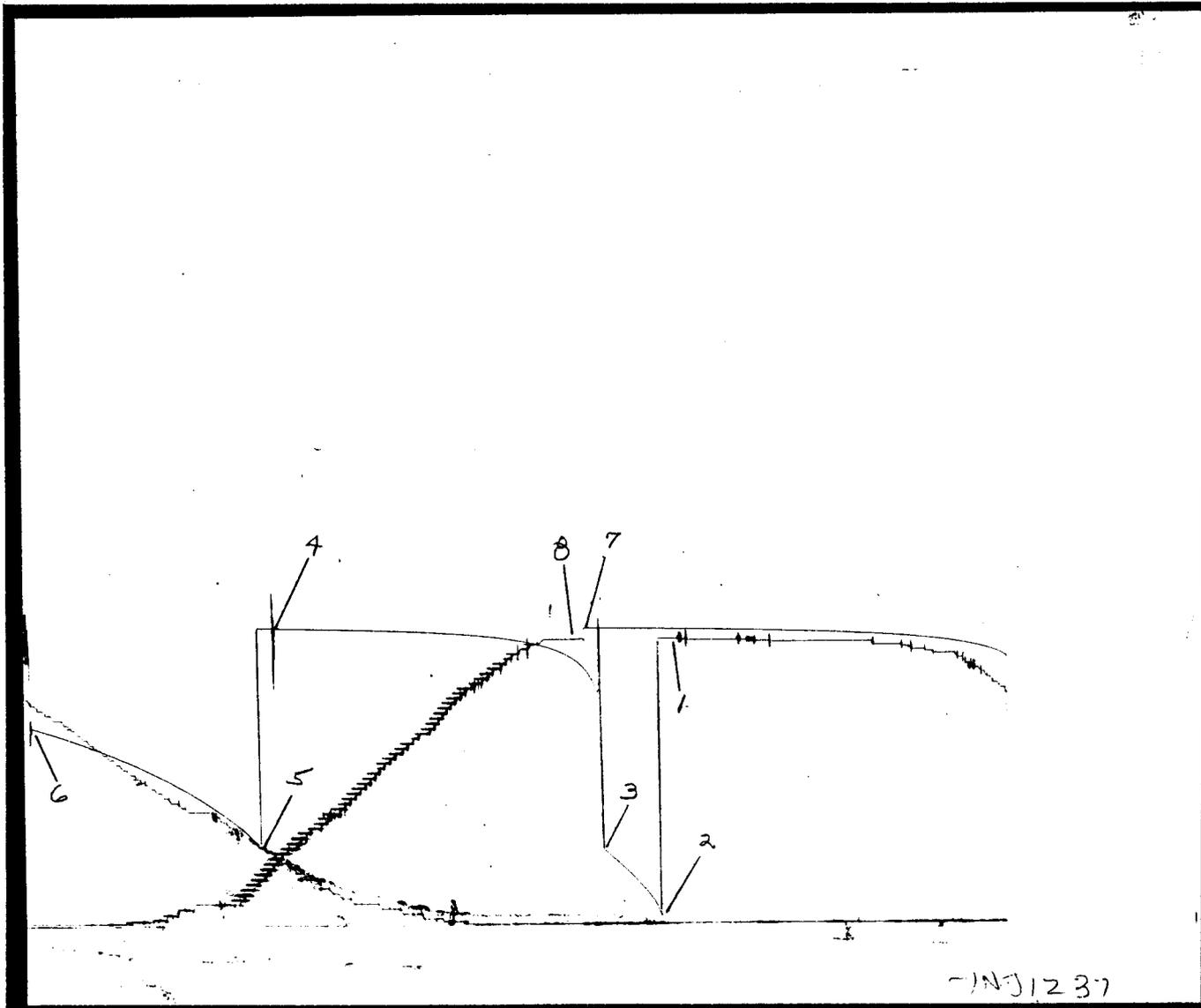
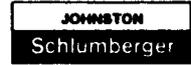
FIELD REPORT NO. 25379D

FIELD REPORT NO.: 25379 D

CAPACITY: 4700#

INSTRUMENT NO.: J-1237

NUMBER OF REPORTS: 9+



BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-1237  
 PORT OPENING: INSIDE

CAPACITY (FSI): 4700  
 BOTTOM HOLE TEMP (F): 116

DEPTH (FT): 3524

| EXPLANATION              | LABELED POINT | PRESSURE (PSIG) | ELAPSED TIME (MIN) |
|--------------------------|---------------|-----------------|--------------------|
| HYDROSTATIC MUD          | 1             | 1603            | -2.7               |
| START FLOW               | 2             | 46              | 0.0                |
| END FLOW & START SHUT-IN | 3             | 418             | 15.6               |
| END SHUT-IN              | 4             | 1667            | 105.1              |
| START FLOW               | 5             | 446             | 109.0              |
| END FLOW & START SHUT-IN | 6             | 1114            | 171.4              |
| END SHUT-IN              | 7             | 1663            | 289.8              |
| HYDROSTATIC MUD          | 8             | 1599            | 293.0              |

\*\*\*\*\*  
 \* SUMMARY OF FLOW PERIODS \*  
 \*\*\*\*\*

| FLOW PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF FLOW (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) |
|-------------|-----------------------------|---------------------------|------------------------|--------------------------|------------------------|
| 1           | 0.0                         | 15.6                      | 15.6                   | 46                       | 418                    |
| 2           | 109.0                       | 171.4                     | 62.4                   | 446                      | 1114                   |

\*\*\*\*\*  
 \* SUMMARY OF SHUT-IN PERIODS \*  
 \*\*\*\*\*

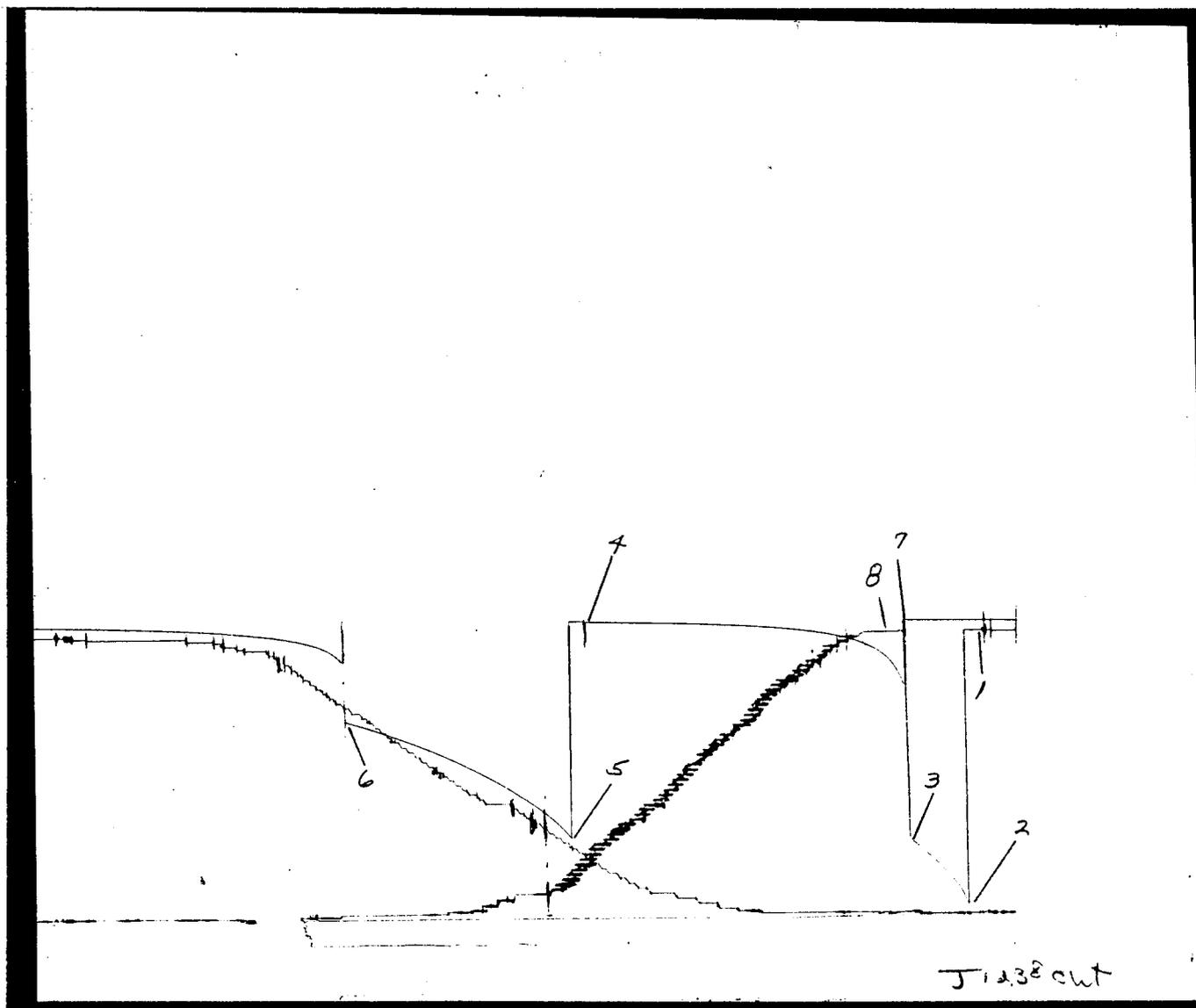
| SHUT-IN PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF SHUT-IN (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) | FINAL FLOW PRESSURE (PSIG) | PRODUCING TIME (MIN) |
|----------------|-----------------------------|---------------------------|---------------------------|--------------------------|------------------------|----------------------------|----------------------|
| 1              | 15.6                        | 105.1                     | 89.5                      | 418                      | 1667                   | 418                        | 15.6                 |
| 2              | 171.4                       | 289.8                     | 118.4                     | 1114                     | 1663                   | 1114                       | 78.0                 |

FIELD REPORT NO.: 25379 D

CAPACITY: 4700#

INSTRUMENT NO.: J-1238

NUMBER OF REPORTS: 9+



# PRESSURE LOG

FIELD REPORT NO. 25379D

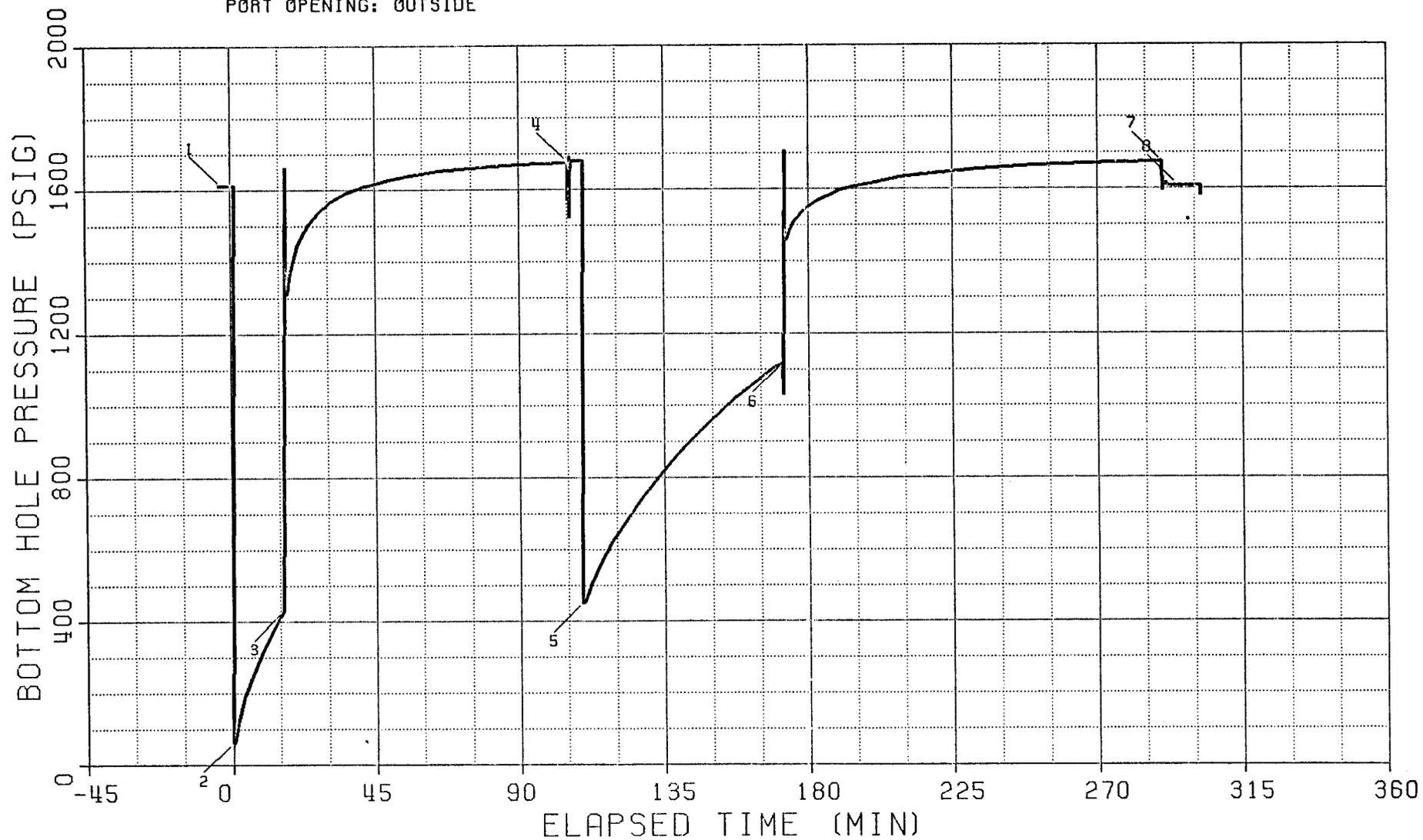
INSTRUMENT:

NUMBER: J-1238

CAPACITY: 4700 PSI

DEPTH: 3572 FT

PORT OPENING: OUTSIDE



BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-1238  
 PORT OPENING: OUTSIDE

CAPACITY (PSI): 4700  
 BOTTOM HOLE TEMP (F): 116

DEPTH (FT): 3572  
 PAGE 1

| EXPLANATION              | LABELED POINT | PRESSURE (PSIG) | ELAPSED TIME (MIN) |
|--------------------------|---------------|-----------------|--------------------|
| HYDROSTATIC MUD          | 1             | 1612            | -2.8               |
| START FLOW               | 2             | 64              | 0.0                |
| END FLOW & START SHUT-IN | 3             | 430             | 16.0               |
| END SHUT-IN              | 4             | 1675            | 105.2              |
| START FLOW               | 5             | 453             | 109.4              |
| END FLOW & START SHUT-IN | 6             | 1119            | 171.9              |
| END SHUT-IN              | 7             | 1674            | 290.1              |
| HYDROSTATIC MUD          | 8             | 1608            | 294.9              |

\*\*\*\*\*  
 \* SUMMARY OF FLOW PERIODS \*  
 \*\*\*\*\*

| FLOW PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF FLOW (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) |
|-------------|-----------------------------|---------------------------|------------------------|--------------------------|------------------------|
| 1           | 0.0                         | 16.0                      | 16.0                   | 64                       | 430                    |
| 2           | 109.4                       | 171.9                     | 62.4                   | 453                      | 1119                   |

\*\*\*\*\*  
 \* SUMMARY OF SHUT-IN PERIODS \*  
 \*\*\*\*\*

| SHUT-IN PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF SHUT-IN (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) | FINAL FLOW PRESSURE (PSIG) | PRODUCING TIME (MIN) |
|----------------|-----------------------------|---------------------------|---------------------------|--------------------------|------------------------|----------------------------|----------------------|
| 1              | 16.0                        | 105.2                     | 89.3                      | 430                      | 1675                   | 430                        | 16.0                 |
| 2              | 171.9                       | 290.1                     | 118.2                     | 1119                     | 1674                   | 1119                       | 78.4                 |

TEST PHASE : FLOW PERIOD # 1  
\*\*\*\*\*

| ELAPSED TIME<br>(MIN) | DELTA TIME<br>(MIN) | FLOWING PRESSURE<br>(PSIG) |
|-----------------------|---------------------|----------------------------|
| *****                 | *****               | *****                      |
| 0.0                   | 0.0                 | 64                         |
| 3.0                   | 3.0                 | 171                        |
| 6.0                   | 6.0                 | 246                        |
| 9.0                   | 9.0                 | 309                        |
| 12.0                  | 12.0                | 364                        |
| 15.0                  | 15.0                | 415                        |
| 16.0                  | 16.0                | 430                        |

TEST PHASE : SHUT-IN PERIOD # 1  
\*\*\*\*\*

1. FINAL FLOW PRESSURE ["P "] = 430 PSIG
2. PRODUCING TIME ["T "] = 16.0 MIN  
P

| ELAPSED TIME<br>(MIN) | DELTA TIME ["DT"]<br>(MIN) | SHUT-IN PRESSURE ["P "]<br>(PSIG) | LOG [(T +DT)/DT]<br>P | DELTA PRESSURE<br>[P - P ]<br>WS WF |
|-----------------------|----------------------------|-----------------------------------|-----------------------|-------------------------------------|
| *****                 | *****                      | *****                             | *****                 | *****                               |
| 16.0                  | 0.0                        | 430                               |                       | 0                                   |
| 17.0                  | 1.0                        | 1379                              | 1.230                 | 949                                 |
| 18.0                  | 2.0                        | 1332                              | 0.954                 | 902                                 |
| 19.0                  | 3.0                        | 1380                              | 0.601                 | 949                                 |
| 20.0                  | 4.0                        | 1415                              | 0.698                 | 985                                 |
| 21.0                  | 5.0                        | 1443                              | 0.623                 | 1013                                |
| 22.0                  | 6.0                        | 1463                              | 0.564                 | 1033                                |
| 23.0                  | 7.0                        | 1482                              | 0.516                 | 1051                                |
| 24.0                  | 8.0                        | 1497                              | 0.477                 | 1067                                |
| 25.0                  | 9.0                        | 1510                              | 0.443                 | 1080                                |
| 26.0                  | 10.0                       | 1521                              | 0.414                 | 1091                                |
| 28.0                  | 12.0                       | 1540                              | 0.368                 | 1110                                |
| 30.0                  | 14.0                       | 1556                              | 0.331                 | 1126                                |
| 32.0                  | 16.0                       | 1570                              | 0.301                 | 1140                                |
| 34.0                  | 18.0                       | 1581                              | 0.276                 | 1151                                |
| 36.0                  | 20.0                       | 1591                              | 0.255                 | 1161                                |
| 38.0                  | 22.0                       | 1598                              | 0.237                 | 1168                                |
| 40.0                  | 24.0                       | 1605                              | 0.222                 | 1175                                |
| 42.0                  | 26.0                       | 1611                              | 0.208                 | 1181                                |
| 44.0                  | 28.0                       | 1616                              | 0.196                 | 1185                                |
| 46.0                  | 30.0                       | 1621                              | 0.185                 | 1190                                |
| 51.0                  | 35.0                       | 1631                              | 0.163                 | 1201                                |
| 56.0                  | 40.0                       | 1640                              | 0.146                 | 1210                                |
| 61.0                  | 45.0                       | 1647                              | 0.132                 | 1217                                |
| 66.0                  | 50.0                       | 1653                              | 0.120                 | 1223                                |
| 71.0                  | 55.0                       | 1657                              | 0.111                 | 1227                                |
| 76.0                  | 60.0                       | 1661                              | 0.102                 | 1231                                |

FIELD REPORT NO. 25379D  
INSTRUMENT NO. J-1238TEST PHASE : SHUT-IN PERIOD # 1  
\*\*\*\*\*

1. FINAL FLOW PRESSURE ["P " ] = 430 PSIG
2. PRODUCING TIME ["T " ] = <sup>WF</sup> 16.0 MIN  
P

| ELAPSED TIME<br>(MIN) | DELTA TIME ["DT"]<br>(MIN) | SHUT-IN PRESSURE ["P " ]<br>(PSIG) | LOG [(T +DT)/DT]<br>P | DELTA PRESSURE<br>[P - P ]<br>WS WF |
|-----------------------|----------------------------|------------------------------------|-----------------------|-------------------------------------|
| *****                 | *****                      | *****                              | *****                 | *****                               |
| 81.0                  | 65.0                       | 1665                               | 0.095                 | 1234                                |
| 86.0                  | 70.0                       | 1668                               | 0.089                 | 1238                                |
| 91.0                  | 75.0                       | 1671                               | 0.084                 | 1241                                |
| 96.0                  | 80.0                       | 1673                               | 0.079                 | 1242                                |
| 101.0                 | 85.0                       | 1674                               | 0.075                 | 1244                                |
| 105.2                 | 89.3                       | 1675                               | 0.071                 | 1245                                |

TEST PHASE : FLOW PERIOD # 2  
\*\*\*\*\*

| ELAPSED TIME<br>(MIN) | DELTA TIME<br>(MIN) | FLOWING PRESSURE<br>(PSIG) |
|-----------------------|---------------------|----------------------------|
| *****                 | *****               | *****                      |
| 109.4                 | 0.0                 | 453                        |
| 114.4                 | 5.0                 | 552                        |
| 119.4                 | 10.0                | 632                        |
| 124.4                 | 15.0                | 700                        |
| 129.4                 | 20.0                | 762                        |
| 134.4                 | 25.0                | 816                        |
| 139.4                 | 30.0                | 868                        |
| 144.4                 | 35.0                | 915                        |
| 149.4                 | 40.0                | 959                        |
| 154.4                 | 45.0                | 1000                       |
| 159.4                 | 50.0                | 1030                       |
| 164.4                 | 55.0                | 1073                       |
| 169.4                 | 60.0                | 1106                       |
| 171.9                 | 62.4                | 1119                       |

FIELD REPORT NO. 25379D  
INSTRUMENT NO. J-1238TEST PHASE : SHUT-IN PERIOD # 2  
\*\*\*\*\*

1. FINAL FLOW PRESSURE ["P " ] = 1119 PSIG
2. PRODUCING TIME ["T " ] = <sup>WF</sup> 78.4 MIN  
P

| ELAPSED TIME<br>(MIN)<br>***** | DELTA TIME ["DT"]<br>(MIN)<br>***** | SHUT-IN PRESSURE ["P " ]<br>(PSIG)<br>***** | LOG [(T +DT)/DT]<br>P<br>***** | DELTA PRESSURE<br>[P - P ]<br>WS WF<br>***** |
|--------------------------------|-------------------------------------|---|--------------------------------|--|
| 171.9                          | 0.0                                 | 1119  |                                | 0  |
| 172.9                          | 1.0                                 | 1460  | 1.900                          | 342  |
| 173.9                          | 2.0                                 | 1475  | 1.604                          | 356  |
| 174.9                          | 3.0                                 | 1497  | 1.433                          | 378  |
| 175.9                          | 4.0                                 | 1512  | 1.314                          | 393  |
| 176.9                          | 5.0                                 | 1522  | 1.222                          | 404  |
| 177.9                          | 6.0                                 | 1532  | 1.148                          | 414  |
| 178.9                          | 7.0                                 | 1541  | 1.086                          | 423  |
| 179.9                          | 8.0                                 | 1548  | 1.033                          | 429  |
| 180.9                          | 9.0                                 | 1555  | 0.987                          | 436  |
| 181.9                          | 10.0                                | 1562  | 0.946                          | 443  |
| 183.9                          | 12.0                                | 1571  | 0.877                          | 453  |
| 185.9                          | 14.0                                | 1580  | 0.819                          | 462  |
| 187.9                          | 16.0                                | 1588  | 0.771                          | 470  |
| 189.9                          | 18.0                                | 1596  | 0.729                          | 477  |
| 191.9                          | 20.0                                | 1601  | 0.692                          | 482  |
| 193.9                          | 22.0                                | 1605  | 0.659                          | 487  |
| 195.9                          | 24.0                                | 1609  | 0.630                          | 491  |
| 197.9                          | 26.0                                | 1613  | 0.604                          | 495  |
| 199.9                          | 28.0                                | 1617  | 0.580                          | 498  |
| 201.9                          | 30.0                                | 1620  | 0.558                          | 502  |
| 206.9                          | 35.0                                | 1629  | 0.510                          | 510  |
| 211.9                          | 40.0                                | 1636  | 0.471                          | 517  |
| 216.9                          | 45.0                                | 1641  | 0.438                          | 523  |
| 221.9                          | 50.0                                | 1646  | 0.410                          | 527  |
| 226.9                          | 55.0                                | 1650  | 0.385                          | 532  |
| 231.9                          | 60.0                                | 1654  | 0.363                          | 536  |
| 241.9                          | 70.0                                | 1660  | 0.326                          | 542  |
| 251.9                          | 80.0                                | 1666  | 0.297                          | 547  |
| 261.9                          | 90.0                                | 1668  | 0.272                          | 550  |
| 271.9                          | 100.0                               | 1671  | 0.251                          | 552  |
| 281.9                          | 110.0                               | 1673  | 0.234                          | 554  |
| 290.1                          | 118.2                               | 1674  | 0.221                          | 555  |

Contractor Carmack Drilling Co. Top Choke 1/4"  
 Rig No. 5 Bottom Choke 1"  
 Spot -- Size Hole 7 7/8"  
 Sec. 26 Size Rat Hole --  
 Twp. 9 S Size & Wt. D. P. 3 1/2" 13.30  
 Rng. 18 E Size Wt. Pipe --  
 Field Wildcat I. D. of D. C. 2 1/4"  
 County Uintah Length of D. C. 330'  
 State Utah Total Depth 5450'  
 Elevation 4902' "K.B." Interval Tested 4470'-4544'  
 Formation Green River Type of Test Inflate  
Straddle

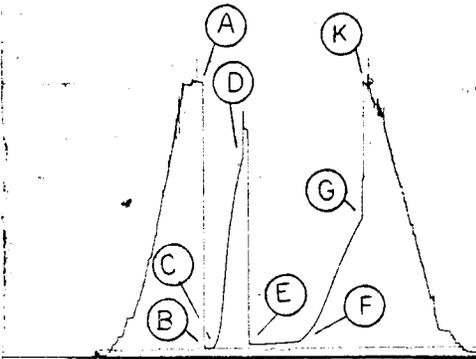
Flow No. 1 15 Min.  
 Shut-in No. 1 60 Min.  
 Flow No. 2 90 Min.  
 Shut-in No. 2 120 Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.  
 Bottom  
 Hole Temp. --  
 Mud Weight 8.6  
 Gravity --  
 Viscosity --

Tool opened @ 9:32 AM

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DIVISION OF  
OIL, GAS & MINING



Outside Recorder

PRD Make Kuster K-3

No. 16463 Cap. 3450 @ 4476'

|                     | Press | Corrected |
|---------------------|-------|-----------|
| Initial Hydrostatic | A     | 2014      |
| Final Hydrostatic   | K     | 2007      |
| Initial Flow        | B     | 59        |
| Final Initial Flow  | C     | 56        |
| Initial Shut-in     | D     | 1454      |
| Second Initial Flow | E     | 85        |
| Second Final Flow   | F     | 101       |
| Second Shut-in      | G     | 1012      |
| Third Initial Flow  | H     | --        |
| Third Final Flow    | I     | --        |
| Third Shut-in       | J     | --        |

Lynes Dist.: Rock Springs, WYO.

Our Tester: Steve Ogden

Witnessed By Jim Fraser

Did Well Flow - Gas NO Oil NO Water NO

RECOVERY IN PIPE: 274' Total fluid  
 4' Thick Oil = 0.01 bbl.  
 270' Slightly Oil cut Drilling Mud = 1.32 bbl.

Middle Sample R.W.: .21 @ 60°F = 38,000 ppm. Cl.

Bottom Sample R.W.: .21 @ 60°F = 38,000 ppm. Cl.

**Blow Description:**

1st Flow: Tool opened with a 1 1/2" underwater blow, increased to 3 1/2" in 5 minutes and remained thru flow period.

2nd Flow: Tool opened with a 2" underwater blow, increased to 6" in 7 minutes, blow decreased to 1" at end of flow period.

Operator Mapco, Inc.  
 Address See Distribution  
 Well Name and No. 20856  
 Federal # 1-26-A  
 Date 11-5-80  
 No. Final Copies 9  
 Ticket No. 20856  
 DST No. 5



WE NAME: FEDERAL 1-26 A

IST NUMBER: 005

RECORDER NUMBER: 016463

INTERVAL TESTED: 4470FT TO 4544FT

RECORDER DEPTH: 4476.000FT

TOTAL FLOW TIME: 15.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

| TIME (MIN) | (T+PHI)<br>/PHI | PRESSURE<br>(PSI) |
|------------|-----------------|-------------------|
| .0         | .0000           | 56.0              |
| 1.0        | 16.0000         | 60.0              |
| 2.0        | 8.5000          | 65.0              |
| 3.0        | 6.0000          | 69.0              |
| 4.0        | 4.7500          | 75.0              |
| 5.0        | 4.0000          | 82.0              |
| 6.0        | 3.5000          | 89.0              |
| 7.0        | 3.1429          | 99.0              |
| 8.0        | 2.8750          | 106.0             |
| 9.0        | 2.6667          | 115.0             |
| 10.0       | 2.5000          | 128.0             |
| 12.0       | 2.2500          | 158.0             |
| 14.0       | 2.0714          | 194.0             |
| 18.0       | 1.8333          | 309.0             |
| 20.0       | 1.7500          | 391.0             |
| 20.0       | 1.7500          | 483.0             |
| 22.0       | 1.6818          | 483.0             |
| 24.0       | 1.6250          | 579.0             |
| 26.0       | 1.5769          | 654.0             |
| 28.0       | 1.5357          | 741.0             |
| 30.0       | 1.5000          | 819.0             |
| 35.0       | 1.4286          | 971.0             |
| 40.0       | 1.3750          | 1095.0            |
| 45.0       | 1.3333          | 1207.0            |
| 50.0       | 1.3000          | 1300.0            |
| 55.0       | 1.2727          | 1383.0            |
| 60.0       | 1.2500          | 1454.0            |

Both shut-in pressure build-up curves have insufficient character to permit the use of a Horner plot to determine reliable extrapolated shut-in pressures.

WELL NAME: FEDERAL 1-26-A

DST NUMBER: 005

RECORDER NUMBER: 016463

INTERVAL TESTED: 4470FT TO 4544FT

RECORDER DEPTH: 4476.000FT

TOTAL FLOW TIME: 105.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

| TIME (MIN) | (T+PHI)  | PRESSURE |
|------------|----------|----------|
| PHI        | /PHI     | (PSI)    |
| .0         | .0000    | 101.0    |
| 1.0        | 106.0000 | 103.0    |
| 2.0        | 53.5000  | 105.0    |
| 3.0        | 36.0000  | 108.0    |
| 4.0        | 27.2500  | 111.0    |
| 5.0        | 22.0000  | 114.0    |
| 6.0        | 18.5000  | 118.0    |
| 7.0        | 16.0000  | 121.0    |
| 8.0        | 14.1250  | 124.0    |
| 9.0        | 12.6667  | 127.0    |
| 10.0       | 11.5000  | 130.0    |
| 12.0       | 9.7500   | 139.0    |
| 14.0       | 8.5000   | 147.0    |
| 16.0       | 7.5625   | 156.0    |
| 18.0       | 6.8333   | 165.0    |
| 20.0       | 6.2500   | 174.0    |
| 22.0       | 5.7727   | 184.0    |
| 24.0       | 5.3750   | 195.0    |
| 26.0       | 5.0385   | 206.0    |
| 28.0       | 4.7500   | 217.0    |
| 30.0       | 4.5000   | 228.0    |
| 40.0       | 3.6250   | 302.0    |
| 50.0       | 3.1000   | 392.0    |
| 60.0       | 2.7500   | 491.0    |
| 70.0       | 2.5000   | 591.0    |
| 80.0       | 2.3125   | 684.0    |
| 90.0       | 2.1667   | 770.0    |
| 100.0      | 2.0500   | 852.0    |
| 110.0      | 1.9545   | 928.0    |
| 120.0      | 1.8750   | 1012.0   |

# LYNES, INC.

## Sampler Report

Company Mapco, Inc. Date 11-5-80  
Well Name & No. Federal #1-26-A Ticket No. 20856  
County Uintah State Utah  
Test Interval 4470'-4544' DST No. 5

Total Volume of Sampler: 2000 cc.  
Total Volume of Sample: 2000 cc.  
Pressure in Sampler: 60 psig  
Oil: 400 cc.  
Water: NONE cc.  
Mud: 1600 cc.  
Gas: NONE cu. ft.  
Other: NONE

Sample R.W.: .21 @ 60°F = 38,000 ppm. Cl.

### Resistivity

Make Up Water \_\_\_\_\_ @ \_\_\_\_\_ of Chloride Content \_\_\_\_\_ ppm.

Mud Pit Sample \_\_\_\_\_ @ \_\_\_\_\_ of Chloride Content \_\_\_\_\_ ppm.

Gas/Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F

Where was sample drained Lynes Shop

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contractor Carmack Drlg. Co. Top Choke 1/4"  
 Rig No. 5 Bottom Choke 3/4"  
 Spot -- Size Hole 7 7/8"  
 Sec. 26 Size Rat Hole --  
 Twp. 9 S Size & Wt. D. P. 3 1/2" 13.30  
 Rng. 18 E Size Wt. Pipe --  
 Field Wildcat I. D. of D. C. 2 1/2"  
 County Uintah Length of D. C. 341'  
 State Utah Total Depth 5450'  
 Elevation 4902' K.B. Interval Tested 4470-4544'  
 Formation -- Type of Test Inflate  
Straddle

Flow No. 1 -- Min.  
 Shut-in No. 1 -- Min.  
 Flow No. 2 -- Min.  
 Shut-in No. 2 -- Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.  
 Bottom  
 Hole Temp. --  
 Mud Weight 9.1  
 Gravity --  
 Viscosity 32

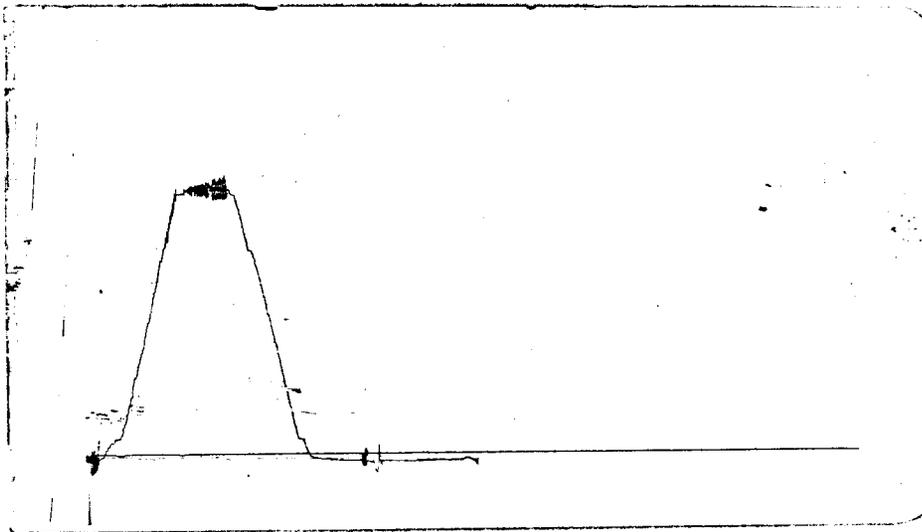
Tool opened @ --

**Outside Recorder**

PRD Make Kuster K-3  
 No. 16463 Cap. 3450 @ 4475'

|                     | Press | Corrected |
|---------------------|-------|-----------|
| Initial Hydrostatic | A     | --        |
| Final Hydrostatic   | K     | --        |
| Initial Flow        | B     | --        |
| Final Initial Flow  | C     | --        |
| Initial Shut-in     | D     | --        |
| Second Initial Flow | E     | --        |
| Second Final Flow   | F     | --        |
| Second Shut-in      | G     | --        |
| Third Initial Flow  | H     | --        |
| Third Final Flow    | I     | --        |
| Third Shut-in       | J     | --        |
|                     |       |           |
|                     |       |           |

Lynes Dist.: Rock Springs, Wyo.  
 Our Tester: Stormy Hayes  
 Witnessed By: James B. Fraser



Did Well Flow - Gas No Oil No Water No  
 RECOVERY IN PIPE:

\*MISRUN: Could not obtain packer seats.

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DIVISION OF  
OIL, GAS & MINING

Operator Mapco, Inc.  
 Address See Distribution  
 Ticket No. 31919  
 Date 11-4-80  
 Well Name and No. Federal #1-26 A  
 No. Final Copies 9  
 DST No. 4

Contractor Carmack Drlg. Co. Top Choke 1/4"  
 Rig No. 5 Bottom Choke 3/4"  
 Spot -- Size Hole 7 7/8"  
 Sec. 26 Size Rat Hole --  
 Twp. 9 S Size & Wt. D. P. 3 1/2" 13.30  
 Rng. 18 E Size Wt. Pipe --  
 Field Wildcat I. D. of D. C. 2 1/2"  
 County Utah Length of D. C. 384'  
 State Utah Total Depth 5450'  
 Elevation 4902' "K.B." Interval Tested 4980-5070'  
 Formation Wasatch Tongue Type of Test Inflate  
Straddle

Flow No. 1 15 Min.  
 Shut-in No. 1 60 Min.  
 Flow No. 2 30 Min.  
 Shut-in No. 2 120 Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.  
 Bottom Hole Temp. 123°  
 Mud Weight 9.0  
 Gravity --  
 Viscosity 32

Tool opened @ 8:55 AM

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NOV 13 1980

DIVISION OF  
OIL, GAS & MINING

Outside Recorder

PRD Make Kuster K-3  
 No. 13735 Cap. 2900 @ 4985'  
 Press Corrected

|                     |   |      |
|---------------------|---|------|
| Initial Hydrostatic | A | 2336 |
| Final Hydrostatic   | K | 2332 |
| Initial Flow        | B | 43   |
| Final Initial Flow  | C | 73   |
| Initial Shut-in     | D | 2209 |
| Second Initial Flow | E | 102  |
| Second Final Flow   | F | 159  |
| Second Shut-in      | G | 2230 |
| Third Initial Flow  | H | --   |
| Third Final Flow    | I | --   |
| Third Shut-in       | J | --   |

Lynes Dist.: Rock Springs, Wy.  
 Our Tester: Stormy Hayes  
 Witnessed By: James B. Fraser

Did Well Flow - Gas No Oil No Water No  
 RECOVERY IN PIPE: 227' Drilling Fluid = 1.11 bbl.  
 Top Sample: R.W. .27 @ 84° = 20,000 ppm. cl.  
 Middle Sample: R.W. 2.7 @ 80° = 22,000 ppm. cl.  
 Bottom Sample: R.W. .24 @ 84° = 23,500 ppm. cl.

Blow Description:  
 1st Flow: Tool opened with a 2" underwater blow and remained thru flow period.  
 2nd Flow: Tool opened with a 2" underwater blow, decreased and died at end of flow period.

Operator Mapco, Inc.  
 Address See Distribution  
 Well Name and No. Federal #1-26A  
 Ticket No. 31918  
 Date 11-4-80  
 No. Final Copies 9  
 DST No. 3

# LYNES, INC.

Mapco, Inc.

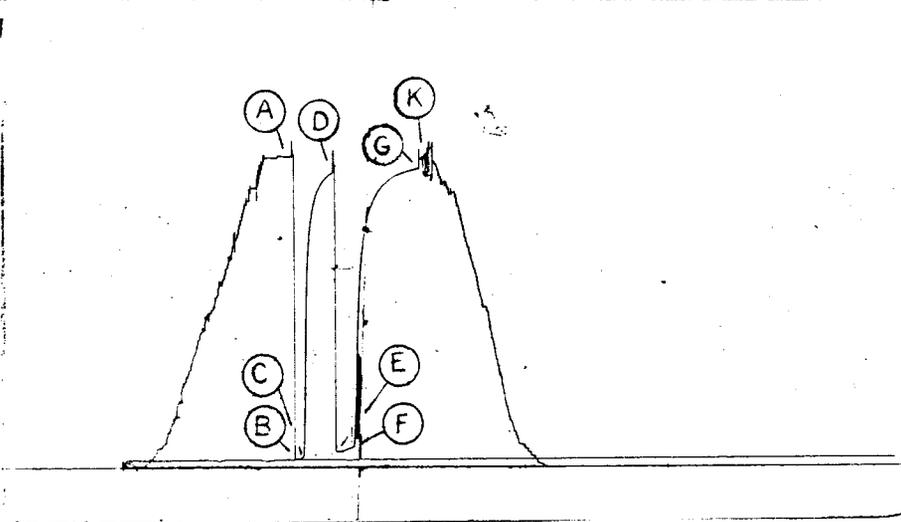
Federal #1-26

3

Operator

Well Name and No.

DST No.



**Outside Recorder**

PRD Make Kuster K-3

No. 16463 Cap. 3450 @ 4985'

|                     | Press | Corrected |
|---------------------|-------|-----------|
| Initial Hydrostatic | A     | 2323      |
| Final Hydrostatic   | K     | 2321      |
| Initial Flow        | B     | 56        |
| Final Initial Flow  | C     | 72        |
| Initial Shut-in     | D     | 2195      |
| Second Initial Flow | E     | 116       |
| Second Final Flow   | F     | 154       |
| Second Shut-in      | G     | 2223      |
| Third Initial Flow  | H     | --        |
| Third Final Flow    | I     | --        |
| Third Shut-in       | J     | --        |

Pressure Below Bottom Packer Bled To

PRD Make \_\_\_\_\_

No. \_\_\_\_\_ Cap. \_\_\_\_\_ @ \_\_\_\_\_

|                     | Press | Corrected |
|---------------------|-------|-----------|
| Initial Hydrostatic | A     |           |
| Final Hydrostatic   | K     |           |
| Initial Flow        | B     |           |
| Final Initial Flow  | C     |           |
| Initial Shut-in     | D     |           |
| Second Initial Flow | E     |           |
| Second Final Flow   | F     |           |
| Second Shut-in      | G     |           |
| Third Initial Flow  | H     |           |
| Third Final Flow    | I     |           |
| Third Shut-in       | J     |           |

Pressure Below Bottom Packer Bled To

WELL NAME: FEDERAAL 1-26A

DST NUMBER: 003

RECORDER NUMBER: 013735

INTERVAL TESTED: 4980FT TO 5070FT

RECORDER DEPTH: 4985.000FT

TOTAL FLOW TIME: 15.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

| TIME (MIN) | (T+PHI)<br>/PHI | PRESSURE<br>(PSI) |
|------------|-----------------|-------------------|
| .0         | .0000           | 73.0              |
| 1.0        | 16.0000         | 112.0             |
| 2.0        | 8.5000          | 161.0             |
| 3.0        | 6.0000          | 283.0             |
| 4.0        | 4.7500          | 512.0             |
| 5.0        | 4.0000          | 921.0             |
| 6.0        | 3.5000          | 1197.0            |
| 7.0        | 3.1429          | 1335.0            |
| 8.0        | 2.8750          | 1463.0            |
| 9.0        | 2.6667          | 1536.0            |
| 10.0       | 2.5000          | 1603.0            |
| 12.0       | 2.2500          | 1708.0            |
| 14.0       | 2.0714          | 1789.0            |
| 16.0       | 1.9375          | 1855.0            |
| 18.0       | 1.8333          | 1907.0            |
| 20.0       | 1.7500          | 1948.0            |
| 22.0       | 1.6818          | 1982.0            |
| 24.0       | 1.6250          | 2011.0            |
| 26.0       | 1.5769          | 2041.0            |
| 28.0       | 1.5357          | 2063.0            |
| 30.0       | 1.5000          | 2083.0            |
| 35.0       | 1.4286          | 2117.0            |
| 40.0       | 1.3750          | 2147.0            |
| 45.0       | 1.3333          | 2167.0 *          |
| 50.0       | 1.3000          | 2185.0 *          |
| 55.0       | 1.2727          | 2200.0 *          |
| 60.0       | 1.2500          | 2209.0 *          |

\* VALUES USED IN HORNER ANALYSIS

SLOPE: 1518.80416 PSI/CYCLE

EXTRAPOLATED PRESSURE: 2357.5 PSI

"Steady State" conditions may not have been attained during the initial shut-in period, therefore, the reliability of the extrapolated pressure may be subject to question.

WELL NAME: FEDERAAL 1-26A

DST NUMBER: 003

RECORDER NUMBER: 013735

INTERVAL TESTED: 4980FT TO 5070FT

RECORDER DEPTH: 4985.000FT

TOTAL FLOW TIME: 45.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

| TIME (MIN) | (T+PHI)<br>/PHI | PRESSURE<br>(PSI) |
|------------|-----------------|-------------------|
| .0         | .0000           | 159.0             |
| 1.0        | 46.0000         | 197.0             |
| 2.0        | 23.5000         | 243.0             |
| 3.0        | 16.0000         | 335.0             |
| 4.0        | 12.2500         | 446.0             |
| 5.0        | 10.0000         | 601.0             |
| 6.0        | 8.5000          | 767.0             |
| 7.0        | 7.4286          | 983.0             |
| 8.0        | 6.6250          | 1144.0            |
| 9.0        | 6.0000          | 1248.0            |
| 10.0       | 5.5000          | 1331.0            |
| 12.0       | 4.7500          | 1397.0            |
| 14.0       | 4.2143          | 1457.0            |
| 16.0       | 3.8125          | 1515.0            |
| 18.0       | 3.5000          | 1558.0            |
| 20.0       | 3.2500          | 1598.0            |
| 22.0       | 3.0455          | 1636.0            |
| 24.0       | 2.8750          | 1668.0            |
| 26.0       | 2.7308          | 1694.0            |
| 28.0       | 2.6071          | 1722.0            |
| 30.0       | 2.5000          | 1747.0            |
| 40.0       | 2.1250          | 2028.0            |
| 50.0       | 1.9000          | 2089.0            |
| 60.0       | 1.7500          | 2131.0            |
| 70.0       | 1.6429          | 2161.0            |
| 80.0       | 1.5625          | 2183.0            |
| 90.0       | 1.5000          | 2201.0 *          |
| 100.0      | 1.4500          | 2213.0 *          |
| 110.0      | 1.4091          | 2224.0 *          |
| 120.0      | 1.3750          | 2230.0 *          |

\* VALUES USED IN HORNER ANALYSIS

SLOPE: 782.52301 PSI/CYCLE

EXTRAPOLATED PRESSURE: 2339.2 PSI

# LYNES, INC.

## Sampler Report

Company Mapco, Inc. Date 11-4-80  
Well Name & No. Federal #1-26 A Ticket No. 31918  
County Uintah State Utah  
Test Interval 4980-5070' DST No. 3

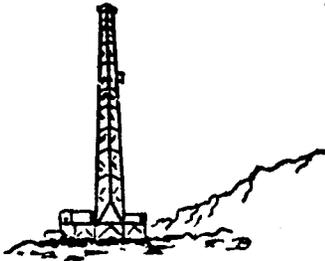
Total Volume of Sampler: 2000 cc.  
Total Volume of Sample: 950 cc.  
Pressure in Sampler: 0 psig  
Oil: None cc.  
Water: None cc.  
Mud: 950 cc.  
Gas: None cu. ft.  
Other: None  
Sample: R.W. .24 @ 85° = 24,000 ppm. cl.

### Resistivity

Make Up Water 6 @ 50° of Chloride Content 1250 ppm.  
Mud Pit Sample .18 @ 65° of Chloride Content 43000 ppm.  
Gas/Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F

Where was sample drained On location

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



L. D. "Vern" HUNTER  
Consulting Geologist

TELEPHONE  
(408) 658-5197  
2903 PARKHILL DRIVE  
BILLINGS, MONTANA, 59102

RECEIVED  
NOV 1966  
DEPARTMENT OF  
OIL AND GAS MINING

MAPCO PRODUCTION COMPANY

FEDERAL No. 1-26A

NE $\frac{1}{4}$  NE $\frac{1}{4}$  SECTION 26, T. 9 S., R. 18 E.

UINTAH COUNTY, UTAH

Prepared for: MAPCO PRODUCTION COMPANY

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

A handwritten signature in cursive script, appearing to read "L. D. Hunter". The signature is written in dark ink and is positioned below the typed name.

OPERATOR: MAPCO Production Company

WELL: Federal No. 1-26A

LOCATION: NE $\frac{1}{4}$  NE $\frac{1}{4}$  Section 26, T. 9 S., R. 18 E.  
(550' FNL & 1009' FEL)  
Uintah County, Utah

TOPOG REFERENCE: Uteland Butte

ELEVATIONS: 4893' Gr; 4902' KB

SPUD DATE: October 19, 1980 (8:30 a.m.)

SURFACE CASING: Ran 11 jts 8-5/8" 24# csg, set at 391.08'; cemented with 250 sacks class G cement with 2% CaCl and 1/4# cello-flake per sack. Cemented to surface.

HOLE SIZE: 12-1/4" hole to 400'  
7-7/8" hole from 345' to 5440'

TD AND DATE: 5450' November 2, 1980 (6:25 p.m.)

CORES: None

LOST CIRCULATION: None reported

FRACTURE ZONES: None reported

OIL ON PITS: None reported

WATER FLOWS: 2500'±

SAMPLES: 30-foot samples from under surface to 2400'; 10-foot samples from 2400' to TD. Dry cut samples sent to: Utah Geological Survey, 606 Black Hawk Way, Research Park, Salt Lake City, Utah 84108. Wet cut to: American Stratigraphic Co., 6280 East 39th Ave., Denver, Colorado 80207.

DRILL STEM TESTS: DST 1: 3566-3638 ("D" zone)  
DST 2: 4518-4576 (Lower "K" zone)  
DST 3: 4980-5070 (Wasatch Tongue)  
DST 4: 4470-4544 (Lower "K" zone)

ELECTRIC LOGS: Schlumberger Engineer: Bill Heiam  
Dual Laterolog-GR-SP from 5430 to 398 feet  
Compensated Neutron-formation density/caliper from 5441 to 2000 feet  
Cyberlook



STATUS:

To complete as Green River oil well  
Ran 132 joints 5-1/2" 15.5# K55 csg landed at 5164'.  
Cemented with 500 sacks 65/35 poz, 6% gel and 215 sacks  
10.0 RFC. Plug down 6:45 p.m. November 6, 1980.

RIG RELEASED:

Noon, November 6, 1980.

CHRONOLOGICAL HISTORY

| <u>DATE</u>      | <u>PTD</u> | <u>ACTIVITY</u>  | <u>FOOTAGE</u> |
|------------------|------------|------------------|----------------|
|                  | 6:00 a.m.  |                  |                |
| October 19, 1980 |            | Prep. Drl. Out   | 0              |
| 20               | 556        | Drilling         | 158            |
| 21               | 977        | Drilling         | 421            |
| 22               | 1432       | Drilling         | 455            |
| 23               | 1976       | Drilling         | 544            |
| 24               | 2534       | Drilling         | 558            |
| 25               | 3084       | Drilling         | 550            |
| 26               | 3633       | Drilling         | 549            |
| 27               | 3638       | TIH after DST 1  | 5              |
| 28               | 4080       | Drilling         | 442            |
| 29               | 4388       | Drilling         | 308            |
| 30               | 4576       | TIH for DST 2    | 188            |
| 31               | 4693       | Drilling         | 117            |
| November 1, 1980 | 5000       | Drilling         | 307            |
| 2                | 5302       | Drilling         | 302            |
| 3                | 5440 (SLM) | Logging          | 138            |
| 4                | 5440       | TIH for DST 3    | 0              |
| 5                | 5440       | TIH for DST 4    | 0              |
| 6                | 5440       | Laying down d.p. | 0              |
| 7                | 5440       | WOC              | 0              |

DEVIATIONS

| <u>DATE</u>      | <u>DEPTH</u> | <u>AMOUNT</u> |
|------------------|--------------|---------------|
| October 20, 1980 | 345          | 0°            |
| 21               | 580          | 1-3/4°        |
| 21               | 643          | 1-1/2°        |
| 21               | 763          | 1°            |
| 21               | 920          | 1-1/2°        |
| 22               | 1294         | 1/2°          |
| 23               | 1976         | 1°            |
| 24               | 2030         | 1-1/4°        |
| 25               | 2560         | 1°            |
| 25               | 3084         | 1°            |
| 27               | 3633         | 1°            |
| 29               | 4256         | 1-3/4°        |
| November 3, 1980 | 5440         | 1-1/2°        |

MUD CHECKS

| <u>Date</u>      | <u>Depth</u> | <u>Wt.</u> | <u>Vis</u> | <u>Type</u> | <u>WL</u> | <u>Ph</u> | <u>Solids</u> | <u>LCM</u> |
|------------------|--------------|------------|------------|-------------|-----------|-----------|---------------|------------|
| October 20, 1980 | 556          | -          | -          | Water       | -         | -         | -             | -          |
| 21               | 977          | 8.3        | 27         | Water       | -         | 11.0      | -             | -          |
| 22               | 1432         | 8.3        | 27         | Water       | -         | 11.5      | -             | -          |
| 23               | 1976         | 8.3        | 27         | Water       | -         | 11.5      | -             | -          |
| 24               | 2534         | 8.3        | 27         | Water       | -         | 11.2      | -             | -          |
| 25               | 3084         | 8.3        | 27         | Water       | -         | 10.5      | -             | -          |
| 26               | 3633         | 8.3        | 27         | Lime Wtr    | -         | 10.5      | -             | -          |
| 27               | 3638         | 8.3        | 29         | Gel         | -         | 11.0      | -             | -          |
| 28               | 4080         | 8.9        | 32         | Gel         | 10.2      | 10.5      | 3%            | -          |
| 29               | 4388         | 8.9        | 32         | Gel         | 10.2      | 10.5      | 3%            | -          |
| 30               | 4576         | 9.0        | 30         | Gel         | 10.2      | 10.5      | 2%            | -          |
| 31               | 4693         | 9.2        | 32         | Gel         | 10        | 10.5      | 2-3/4%        | -          |
| November 1, 1980 | 5000         | 9.1        | 32         | Gel         | 10        | 10.5      | 3%            | -          |
| 2                | 5302         | 9.1        | 32         | Gel         | 10        | 10.5      | 3%            | -          |
| 3                | 5440         | 9.2        | 33         | Gel         | 12        | 11        | 3%            | -          |
| 4                | 5440         | 9.1        | 32         | Gel         | 11.2      | 10        | 3-3/4%        | -          |
| 5                | 5440         | 8.5        | 27         | Gel         | -         | 10        | -             | -          |
| 6                | 5440         | 8.8        | 29         | Gel         | -         | 10.5      | 2-3/4%        | -          |

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"      | HTC        | OSC 1G      | 398        | 43             | 7                 | 6.1               |
| 2          | 7-7/8"      | HTC        | J 44        | 3638       | 3240           | 147 $\frac{1}{4}$ | 22                |
| 3          | 7-7/8"      | Smith      | F 3         | 4576       | 938            | 60 $\frac{1}{2}$  | 15.5              |
| 4          | 7-7/8"      | HTC        | J 33        | 5440       | 864            | 65                | 13.3              |

DRILL STEM TESTS

(Field Results)

DST #1: 3566-3638 (Green River - "D" zone)

IF 15 min. open w/8" blow inc. to 1-1/2 psi in 15 min.  
ISI 90 min.  
FF 60 min. open w/4" blow, 3/4 psi in 1 min, 1 psi in 2 min, 1/2 psi  
in 22 min.  
FSI 120 min.

PIPE RECOVERY: 2464' water.

SAMPLER RECOVERY:

10 psi  
2400 cc water

Nitrates

Pit 110  
Btm DST 83.6  
Chamber 48.4

Res.

Recovery water .2 @46°F  
Mud pit spl. .2 @46°F  
Mud pit spl. filt. .2 @46°F

Chlorides

13,000 ppm  
27,000 ppm  
27,000 ppm

PRESSURES: (top chart)

IFP 62-429 psi  
FFP 429-1098 psi

ISIP 1682 psi  
FSIP 1663 psi

IHP 1607 psi  
FHP 1607 psi

BHT 116°F

DATE: October 26, 1980

COMMENTS: Positive test

WITNESSED: Ivie, Brown

DRILL STEM TESTS

(Field Results)

DST #2: 4518-4576 (Green River: Lower K zone)

IF 15 min. no blow  
ISI 60 min.  
FF 30 min. no blow  
FSI 90 min.

PIPE RECOVERY: 3' slightly gas-cut mud

SAMPLER RECOVERY:

|   |          | <u>Res.</u>           | <u>Chlorides</u> |
|---|----------|-----------------------|------------------|
| 5 | psi      |                       |                  |
| 0 | cc gas   |                       |                  |
| 0 | cc oil   | Recovery mud .4 @?°F  | 24,000 ppm       |
| 0 | cc water | Mud pit spl. .4 @44°F | 23,000 ppm       |
| 0 | cc mud   |                       |                  |

PRESSURE: (top chart)

|             |                     |              |
|-------------|---------------------|--------------|
| IFP 2-7 psi | ISIP 8 psi)         | IHP 2145 psi |
| FFP 2-4 psi | FSIP 8 psi) (?=LDH) | FHP 2150 psi |
|             | BHT 180°F (?=LDH)   |              |

DATE: October 30, 1980

COMMENTS: Johnston Testers 'positive test, low permeability formation'  
LDH = reserve judgement pending e. logs.

WITNESSED: Hunter, Ivie, McMurrough

DRILL STEM TESTS  
(Field Results)

DST #3: 4980-5070 (Wasatch Tongue)

IF 15 min. 2" blow throughout  
ISI 60 min.  
FF 30 min. open with 1-1/2" blow, increase to 2", decreasing at 7 min.,  
dead in 30 min.  
FSI 120 min.

PIPE RECOVERY: 227' mud

SAMPLER RECOVERY:

0 psi  
950 cc mud

|              |      | <u>Res.</u> | <u>Chlorides</u> | <u>Nitrates</u> |
|--------------|------|-------------|------------------|-----------------|
| Recovery mud | 0.27 | @84°F       | 17,000 ppm       | 44              |
| Mud pit spl. | 0.2  | @65°F       | 16,000 ppm       | 44              |

PRESSURES: (top chart)

IFP 72-86 psi  
FFP 115-187 psi

ISIP 2158 psi  
FSIP 2201 psi

IHP 2274 psi  
FHP 2259 psi

BHT 123°F

DATE: November 4, 1980

COMMENTS: Positive test

WITNESSED: Fraser, Ivie

DRILL STEM TESTS

(Field Results)

DST #4: 4470-4544 (Lower "K" zone)

IF 15 min. open with 1-1/2" blow, increased to 3-1/2" at 5 min.,  
remained at 3-1/2".  
ISI 60 min.  
FF 90 min. open with 2" blow, increased to 6" at 7 min., began to  
decrease at 12 min., decreased to 1" at 90 min.  
FSI 120 min.

PIPE RECOVERY: 4' oil  
250' slightly oil-cut mud

SAMPLER RECOVERY:

60 psi  
2000 cc oil-cut mud (20% oil)

|              |      | <u>Res.</u> | <u>Chlorides</u> |
|--------------|------|-------------|------------------|
| Recovery mud | 0.21 | @60°F       | 14,000 ppm       |
| Mud pit spl. | 0.2  | @65°F       | 16,000 ppm       |

PRESSURES: (top chart)

IFP 57-57 psi  
FFP 72-101 psi

ISIP 1467 psi  
FSIP 1006 psi

IHP 1997 psi  
FHP 1984 psi

BHT (no thermometer)

DATE: November 5, 1980

COMMENTS: Positive test, tight formation.

WITNESSED: Fraser

REPORT FOR SHOWS & DRILLING BREAKS

| <u>DATE</u>  | <u>SHOW &amp;/or<br/>BREAK #'s<br/>MW in<br/>MW out</u> | <u>DEPTH</u> | <u>DRLG<br/>RATE<br/>BEFORE<br/>BREAK</u> | <u>DRLG<br/>RATE<br/>FOR<br/>BREAK</u> | <u>DRLG<br/>RATE<br/>AFTER<br/>BREAK</u> | <u>TOTAL GAS<br/>Before-<br/>During-<br/>After-<br/>Break</u> | <u>SAMPLE DESCRIPTION</u>   |
|--------------|---|--------------|---|--|--|---|---|
| Oct 22, 1980 | 1 $\frac{8.3}{8.3}$                                     | 960-982      | 4   | 2                                      | 4  | 0-5-0   | ss, wht, vf-f, uncon, NS  |
| 22           | 2 $\frac{8.3}{8.3}$                                     | 1034-1046    | 5   | 1                                      | 4  | 0-5-0   | ss, wht to tan, vf-f, pred. uncon, <u>70% dull gold fluor, v slow wk stmg cut</u>         |
| 22           | 3 $\frac{8.3}{8.3}$                                     | 1256-1274    | 3   | 1                                      | 2  | 0-5-0   | Sh, lt to med brn; ss, wht vf-f, uncon; ls, tan, <u>dull gold fluor, fair stmg cut</u>    |
| 22           | -   | 1432         | -   | -                                      | -  | BG 0<br>Conn 0  |   |
| 23           | 4 $\frac{8.3}{8.3}$                                     | 1802-1812    | 5   | 3                                      | 5  | 10-30-5   | Sh, med to dk brn, <u>dull gold fluor, wk-fair cut</u>                                    |
| 23           | 5 $\frac{8.3}{8.3}$                                     | 1832-1840    | 4.5                                       | 2.5                                    | 4  | 5-50-5  | Sh as above   |
| 23           | -   | 1976         | -   | -                                      | -  | BG 5<br>Conn 20   |   |
| 24           | 6   | 2008-2020    | 3   | 2                                      | 3  | 10-30-10  | Sh, lt to dk brn, dolomitic, silty to sandy, soft to firm, <u>dull gold fluor, no cut</u> |
| 24           | 7   | 2048-2070    | 5   | 3                                      | 7  | 10-30-10  | Sh as above, <u>wk cut</u>  |
| 24           | 8   | 2080-2084    | 7   | 3                                      | 4  | 10-30-10  | Sh as above, <u>fair cut</u>  |
| 24           | 9   | 2122-2132    | 2.5                                       | 2                                      | 3.5                                      | 10-30-10  | Sh as above, <u>gold to bright yell fluor, gd stmg cut</u>                                |
| 24           | 10  | 2144-2158    | 3   | 2                                      | 2  | 10-60-20  | Sh w/shows as above   |
| 24           | 11  | 2320-2330    | 2   | 1.5                                    | 2  | 30-100-30   | Sh w/shows as above   |
| 24           | 12  | 2400-2420    | 2.5                                       | 1.5                                    | 3  | 20-150-30   | Sh as above, <u>dull gold to bright yell fluor, no cut</u>                                |

REPORT FOR SHOWS & DRILLING BREAKS

| <u>DATE</u>   | <u>SHOW &amp;/or<br/>BREAK #'s<br/>MW in<br/>MW out</u> | <u>DEPTH</u> | <u>DRLG<br/>RATE<br/>BEFORE<br/>BREAK</u> | <u>DRLG<br/>RATE<br/>FOR<br/>BREAK</u> | <u>DRLG<br/>RATE<br/>AFTER<br/>BREAK</u> | <u>TOTAL GAS<br/>Before-<br/>During-<br/>After-<br/>Break</u> | <u>SAMPLE DESCRIPTION</u>   |
|---------------|---|--------------|---|--|--|---|---|
| Oct. 24, 1980 | 13  | 2420-2440    | 3.5                                       | 3                                      | 3.5                                      | 30-60-30  | Sh as above, <u>gold to yell fluor, no cut</u> ; ss, wht, vf-f, sub-ang to sub-rd, calc, ti |
| 24            | 14  | 2468-2482    | 3   | 1                                      | 4  | 30-160-30   | Ss, wht to gry, vf-f, sub-ang to rd, hard, calc, uncon in pt                                |
| 24            | -   | 2534         | -   | -                                      | -  | BG 50<br>Conn 200   |   |
| 25            | 15  | 2512-2522    | 3   | 1                                      | 2.5                                      | 50-350-150  | Ss, gry to wht, vf-f, s&p, sub-ang to sub rd, ti  |
| 25            | 16  | 2556-2582    | 2.5                                       | 1.5                                    | 2  | 50-300-200  | Sh, lt to dk brn, silty, sandy, firm, <u>brt yell fl, wk stmg cut</u>                       |
| 25            | 17  | 2602-2626    | 3.5                                       | 2                                      | 3  | 350-450-275   | Ss as above, NS   |
| 25            | 18  | 2778-2803    | 2.5                                       | 0.5                                    | 2.5                                      | 400-500-300   | Ss as above, dirty, calc w/ <u>yell fluor, fair yell stmg cut</u>                           |
| 25            | 19  | 2914-2926    | 3.5                                       | 1.5                                    | 3  | 500-600-500   | Ss, wht, gry, vf-f, tr med, ti, uncon in pt, calc, sub-ang to sub-rd, NS                    |
| 25            | -   | 3084         | -   | -                                      | -  | BG 350<br>Conn 500  |   |
| 26            | 20  | 2988-3022    | 3.5                                       | 1.5                                    | 3  | 500-600-550   | Ss as above   |
| 26            | 21  | 3078-3120    | 4.5                                       | 0.5                                    | 1.5                                      | 400-600-500   | Ss as above   |
| 26            | 22  | 3159-3170    | 3.5                                       | 2                                      | 2.5                                      | 350-400-350   | Sh, lt to dk brn, slty, sndy, dol'c, firm, <u>dull gold fl, good cut</u>                    |
| 26            | 23  | 3196-3218    | 3.5                                       | 2                                      | 4  | 350-500-400   | Sh as above w/fair cut  |
| 26            | 24  | 3400-3412    | 3   | 1                                      | 2.5                                      | 350-450-350   | Ss, wht, vf-f, sub-rd to rd, hd, calc, uncon in pt  |

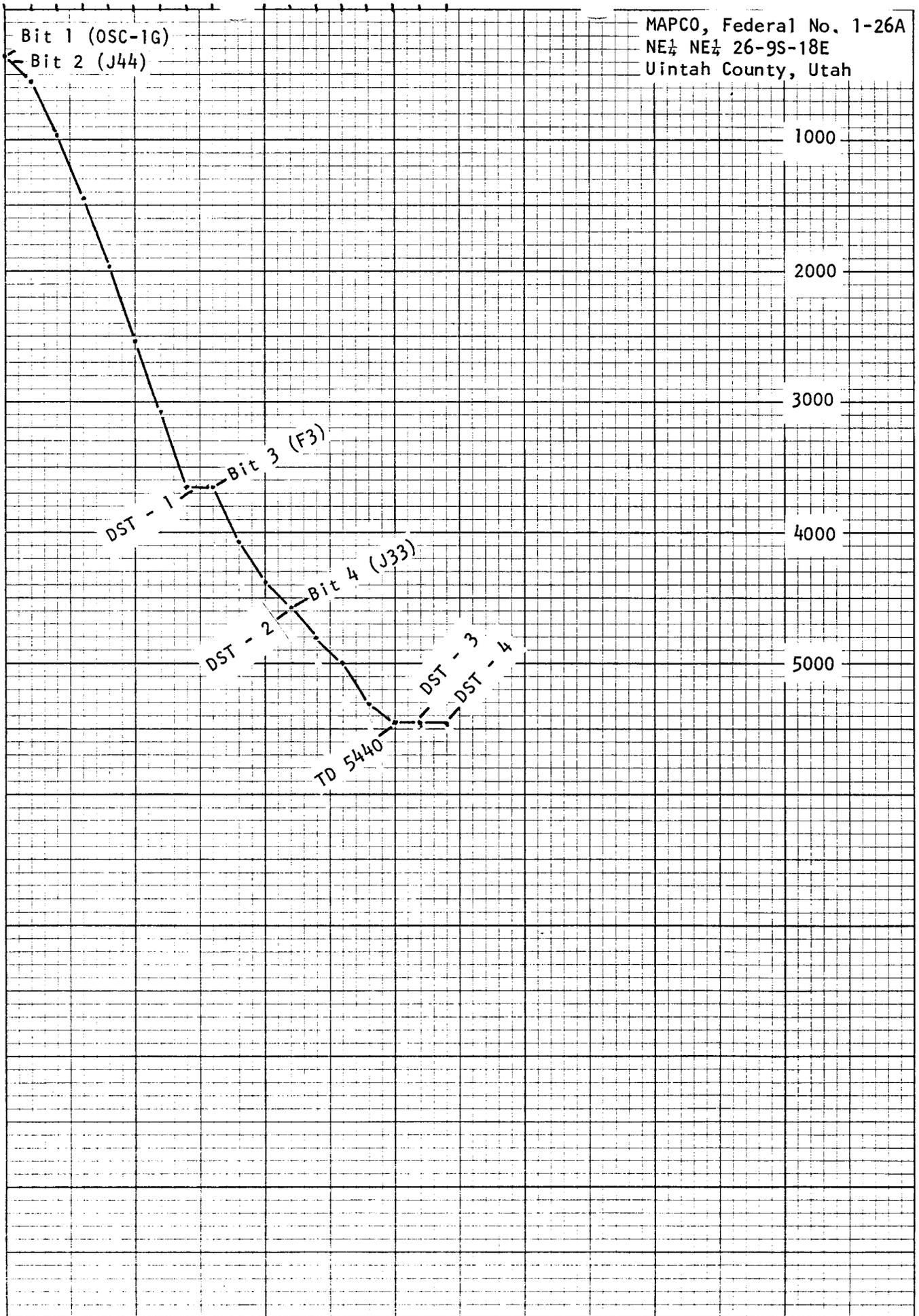
REPORT FOR SHOWS & DRILLING BREAKS

| <u>DATE</u>  | <u>SHOW &amp;/or<br/>BREAK #'s<br/>MW in<br/>MW out</u> | <u>DEPTH</u> | <u>DRLG<br/>RATE<br/>BEFORE<br/>BREAK</u> | <u>DRLG<br/>RATE<br/>FOR<br/>BREAK</u> | <u>DRLG<br/>RATE<br/>AFTER<br/>BREAK</u> | <u>TOTAL GAS<br/>Before-<br/>During-<br/>After-<br/>Break</u> | <u>SAMPLE DESCRIPTION</u>   |
|--------------|---|--------------|---|--|--|---|---|
| Oct 26, 1980 | 25 $\frac{8.3}{8.3}$                                    | 3566-3582    | 3.5                                       | 0.5                                    | 2.5                                      | 400-600-400   | Ss, wht, vf-f, sub-ang calc, mostly uncon, <u>no fl, gd stmg, yell cut</u><br>Smpl vy finely ground.                                  |
| 26           | -   | 3633         | -   | -                                      | -  | BG 400<br>Conn 800  |   |
| 28           | 26  | 3604-3620    | 3.5                                       | 1.5                                    | 3  | 400-500-450   | Ss, wht, gry, vf, sub-rd, hd dirty, calc, ti, <u>no fl, wk stmg cut</u>   |
| 28           | 27 $\frac{8.5}{8.5}$                                    | 3840-3870    | 2.5                                       | 0.5                                    | 3.5                                      | 200-500-200   | Ss, wht, gry, vf-f, ang to sub-rd, dirty, calc, ti, NS; tr ostra-cods   |
| 28           | 28 $\frac{8.9}{8.9}$                                    | 3986-4000    | 4   | 2                                      | 4  | 300-450-200   | Ss, wht, gry, vf to sltstn, ang to sub-rd, dirty, calc, ti, no stain, <u>gold fl, wk cut</u>  |
| 28           | -   | 4080         | -   | -                                      | -  | BG 200<br>Conn 400  |   |
| 29           | -   | 4388         | -   | -                                      | -  | BG 300<br>Conn 700  |   |
| 30           | 29 $\frac{9.0}{9.0}$                                    | 4526-4534    | 4   | 2                                      | 5  | 200-400-200   | Ss, gry, wht, vf-f, sub-ang to sub-rd, sl calc, ti, <u>med brn to dk brn os, gold to yell fl, gd stmg cut, pale yell cf, tan ring</u> |
| 30           | -   | 4576         | -   | -                                      | -  | BG 250<br>Conn 600  |   |
| 31           | -   | 4693         | -   | -                                      | -  | BG 800<br>Conn 1300<br>TG 1000                                |   |
| Nov 1, 1980  | 30  | 4694-4739    | 5   | 1.5                                    | 4  | 850-1400-1000   | Sh, med brn to black, carb, silty, hd, dol'c, <u>dull gold fl, wk cut, tr brn rng</u>   |

REPORT FOR SHOWS & DRILLING BREAKS

| <u>DATE</u> | <u>SHOW &amp;/or<br/>BREAK #'s<br/>MW in<br/>MW out</u> | <u>DEPTH</u> | <u>DRLG<br/>RATE<br/>BEFORE<br/>BREAK</u> | <u>DRLG<br/>RATE<br/>FOR<br/>BREAK</u> | <u>DRLG<br/>RATE<br/>AFTER<br/>BREAK</u> | <u>TOTAL GAS<br/>Before-<br/>During-<br/>After-<br/>Break</u> | <u>SAMPLE DESCRIPTION</u>  |
|-------------|---|--------------|---|--|--|---|--|
| Nov 1, 1980 | -   | 5000         | -   | -                                      | -  | BG 1200<br>Conn 1400  |  |
| 2           | 31 $\frac{9.1}{9.1}$                                    | 5042-5066    | 5   | 1.5                                    | 7  | 600-1150-<br>650  | Oil sh, med brn w/ss,<br>gry, wht, s&p, f-m<br>sub-rd to sub-ang, ti,<br>uncon in pt, calc, no<br><u>visible stn, med yell</u><br><u>SF, weak cut, pale</u><br><u>yell CF, no ring</u> |
| 2           | -   | 5302         | -   | -                                      | -  | BG 500<br>Conn 750  |  |
| 3           | 32 $\frac{9.0}{9.0}$                                    | 5260-5270    | 5   | 2                                      | 5.5                                      | 450-550-500   | Oil sh, lt to dk brn,<br><u>dull gold fl, wk cut,</u><br><u>no ring</u>  |

MAPCO, Federal No. 1-26A  
NE $\frac{1}{4}$  NE $\frac{1}{4}$  26-9S-18E  
Uintah County, Utah



46 0780

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

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**  
 (FORM 9-329)  
 (2/76)  
 OMB 42-RO 356  
**MONTHLY REPORT**  
**OF**  
**OPERATIONS**

Lease No. U-19266  
 Communitization Agreement No. NA  
 Field Name NA  
 Unit Name RIVER BEND UNIT  
 Participating Area NA  
 County UINTAH State UTAH  
 Operator MAPCO PRODUCTION COMPANY  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of November, 1980

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

| Well No.  | Sec. & 1/4 of 1/4 | TWP   | RNG | Well Status | Days Prod. | *Barrels of Oil | *MCF of Gas | *Barrels of Water | Remarks |
|-----------|-------------------|---|-----|-------------|------------|-----------------|-------------|-------------------|---------|
| FED.1-26A | 26 NENE           | 9S  | 18E | DRLG        |            |                 |             |                   |         |
|           | 11-3-80           | Drilled to 5440 TD - Ran logs DLL - FDC/CNC             |     |             |            |                 |             |                   |         |
|           | 11-4-80           | Ran DST #3 from 4980-5070                               |     |             |            |                 |             |                   |         |
|           | 11-5-80           | Ran DST #4 from 4470-4544. Had to rerun on 11-6-80      |     |             |            |                 |             |                   |         |
|           | 11-7-80           | Ran 5 1/2 15.5# K55 csg set @ 5164' Cmt with 815 sacks. |     |             |            |                 |             |                   |         |
|           | 11-18-80          | MIRU Workover rig                                       |     |             |            |                 |             |                   |         |
|           | 11-22-80          | Perfed 5037-5040, 5044-5047 2spf set pkr @ 4915         |     |             |            |                 |             |                   |         |
|           | 11-24-80          | Broke down above perfs with 1500 gal 15% HCl            |     |             |            |                 |             |                   |         |
|           | 11-25-80          | Swabbed fluid Prepared to frac.                         |     |             |            |                 |             |                   |         |

\*If none, so state.

**DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)**

|                          | Oil & Condensate (BBLS) | Gas (MCF)          | Water (BBLS)       |
|--------------------------|-------------------------|--------------------|--------------------|
| *On hand, Start of Month | _____                   | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *Produced                | _____                   | _____              | _____              |
| *Sold                    | _____                   | _____              | XXXXXXXXXXXXXXXXXX |
| *Spilled or Lost         | _____                   | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *Flared or Vented        | XXXXXXXXXXXXXXXXXX      | _____              | XXXXXXXXXXXXXXXXXX |
| *Used on Lease           | _____                   | _____              | XXXXXXXXXXXXXXXXXX |
| *Injected                | _____                   | _____              | _____              |
| *Surface Pits            | XXXXXXXXXXXXXXXXXX      | XXXXXXXXXXXXXXXXXX | _____              |
| *Other (Identify)        | _____                   | _____              | _____              |
| *On hand, End of Month   | _____                   | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *API Gravity/BTU Content | _____                   | _____              | XXXXXXXXXXXXXXXXXX |

Authorized Signature: Richard Baumann Address: 1643 Lewis Ave. Suite 202, Billings, MT  
 Title: Engineering Technician Page \_\_\_\_\_ of \_\_\_\_\_ 59102

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-19266  
Communitization Agreement No. NA  
Field Name NA  
Unit Name RIVER BEND UNIT  
Participating Area NA  
County UINTAH State UTAH  
Operator MAPCO PRODUCTION COMPANY  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of Dec., 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

| Well No.  | Sec. & 1/4 of 1/4 | TWP   | RNG | Well Status | Days Prod. | *Barrels of Oil | *MCF of Gas | *Barrels of Water | Remarks |
|-----------|-------------------|---|-----|-------------|------------|-----------------|-------------|-------------------|---------|
| FED.1-26A | 26 NENE           | 9S  | 18E | DRLG        | --         | --              | --          | ---               |         |
|           | 12-1-80           | Fraced Wasatch Tongue with 14,200 gal foamed diesel and 8000 # 20/40 sand, 8500 # 10/20 sand. |     |             |            |                 |             |                   |         |
|           | 12-11-80          | Perfed Green River K Zone 4490 → 4535.  |     |             |            |                 |             |                   |         |
|           | 12-16-80          | Acidized with 3000 gal of 15% HCL.  |     |             |            |                 |             |                   |         |
|           | 12-19-80          | Fraced Green River K zone with 15,840 gal foamed diesel and 20,000 # sand.                    |     |             |            |                 |             |                   |         |

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

|                          | Oil & Condensate (BBLs) | Gas (MCF)          | Water (BBLs)       |
|--------------------------|-------------------------|--------------------|--------------------|
| *On hand, Start of Month | _____                   | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *Produced                | _____                   | _____              | _____              |
| *Sold                    | _____                   | _____              | XXXXXXXXXXXXXXXXXX |
| *Spilled or Lost         | _____                   | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *Flared or Vented        | XXXXXXXXXXXXXXXXXX      | _____              | XXXXXXXXXXXXXXXXXX |
| *Used on Lease           | _____                   | _____              | XXXXXXXXXXXXXXXXXX |
| *Injected                | _____                   | _____              | _____              |
| *Surface Pits            | XXXXXXXXXXXXXXXXXX      | XXXXXXXXXXXXXXXXXX | _____              |
| *Other (Identify)        | _____                   | _____              | _____              |
| *On hand, End of Month   | _____                   | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *API Gravity/BTU Content | _____                   | _____              | XXXXXXXXXXXXXXXXXX |

Authorized Signature: Richard R. [Signature] Address: 1643 Lewis Ave. Suite 202, Billings, M  
Title: Engineering Technician Page \_\_\_\_\_ of \_\_\_\_\_ 59102

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-329)  
(2/76)

OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-19266  
Communitization Agreement No. NA  
Field Name NA  
Unit Name RIVER BEND UNIT  
Participating Area NA  
County UINTAH State UTAH  
Operator MAPCO PRODUCTION COMPANY  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 1981

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

| Well No.  | Sec. & 1/4 of 1/4 | TWP | RNG | Well Status   | Days Prod. | *Barrels of Oil | *MCF of Gas | *Barrels of Water | Remarks              |
|-----------|-------------------|-----|-----|---|------------|-----------------|-------------|-------------------|----------------------|
| FED.1-26A | 26 NENE           | 9S  | 18E | DRLG  | 0          | 503             | 0           | 0                 | Production from Swab |
|           | 1-12-81           |     |     | Perfed Green River I zone from 4202 - 4207 - Acidized with 800 gal 15% HCl - Fraced with 5000 #20/40 sand and 5500 gal gel. |            |                 |             |                   |                      |
|           | 1-29-81           |     |     | Perfed Green River G zone from 4001 - 4003, 3993 - 3998.  |            |                 |             |                   |                      |

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

|                          | Oil & Condensate (BBLs)   | Gas (MCF)                 | Water (BBLs)              |
|--------------------------|---------------------------|---------------------------|---------------------------|
| *On hand, Start of Month | <u>284</u>                | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |
| *Produced                | <u>503</u>                | <u>0</u>                  | <u>0</u>                  |
| *Sold                    | <u>650</u>                | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |
| *Spilled or Lost         | <u>0</u>                  | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |
| *Flared or Vented        | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |
| *Used on Lease           | <u>0</u>                  | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |
| *Injected                | <u>0</u>                  | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |
| *Surface Pits            | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |
| *Other (Identify)        | <u>0</u>                  | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |
| *On hand, End of Month   | <u>137</u>                | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |
| *API Gravity/BTU Content | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> | <u>XXXXXXXXXXXXXXXXXX</u> |

Authorized Signature: Richard B. Brown Address: 1643 Lewis Ave. Suite 202, Billings, M  
Title: Engineering Technician Page \_\_\_\_\_ of \_\_\_\_\_ 59102

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 **MAPCO PRODUCTION COMPANY**  
**Alpine Executive Center**

3. ADDRESS OF OPERATOR **1643 Lewis Ave., Suite 202**  
**Billings, MT 59102**

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: **550' FNL & 809' FEL, Sec. 26**  
AT TOP PROD. INTERVAL: **Same**  
AT TOTAL DEPTH: **Same**

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

|  |                          |                          |
|--|--------------------------|--------------------------|
| REQUEST FOR APPROVAL TO:               |                          | SUBSEQUENT REPORT OF:    |
| TEST WATER SHUT-OFF                    | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT                         | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE                       | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL                            | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING                   | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE                      | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES                           | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON*                               | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) Proposed Production Facilities |                          |                          |

|  |                          |
|--|--------------------------|
| 5. LEASE<br><b>U-19266</b>   |                          |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME   |                          |
| 7. UNIT AGREEMENT NAME   |                          |
| 8. FARM OR LEASE NAME  |                          |
| 9. WELL NO.<br><b>Federal 1-26A</b>  |                          |
| 10. FIELD OR WILDCAT NAME<br><b>Wildcat</b>                                  |                          |
| 11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA<br><b>Sec. 26, T9S, R18E</b> |                          |
| 12. COUNTY OR PARISH<br><b>Uintah</b>  | 13. STATE<br><b>Utah</b> |
| 14. API NO.<br><b>43-047-30716</b>   |                          |
| 15. ELEVATIONS (SHOW DF, KDB, AND WD)<br><b>4893' G.L.</b>                   |                          |

(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.)\*

PLEASE SEE ATTACHED COPY OF THE PROPOSED PRODUCTION FACILITIES FOR THE FEDERAL 1-26A.

APPROVED BY THE DIVISION  
OF OIL, GAS, AND MINING

DATE: 1-22-81  
BY: W.S. Menden

JAN 21 1981

DIVISION OF  
OIL, GAS & MINING

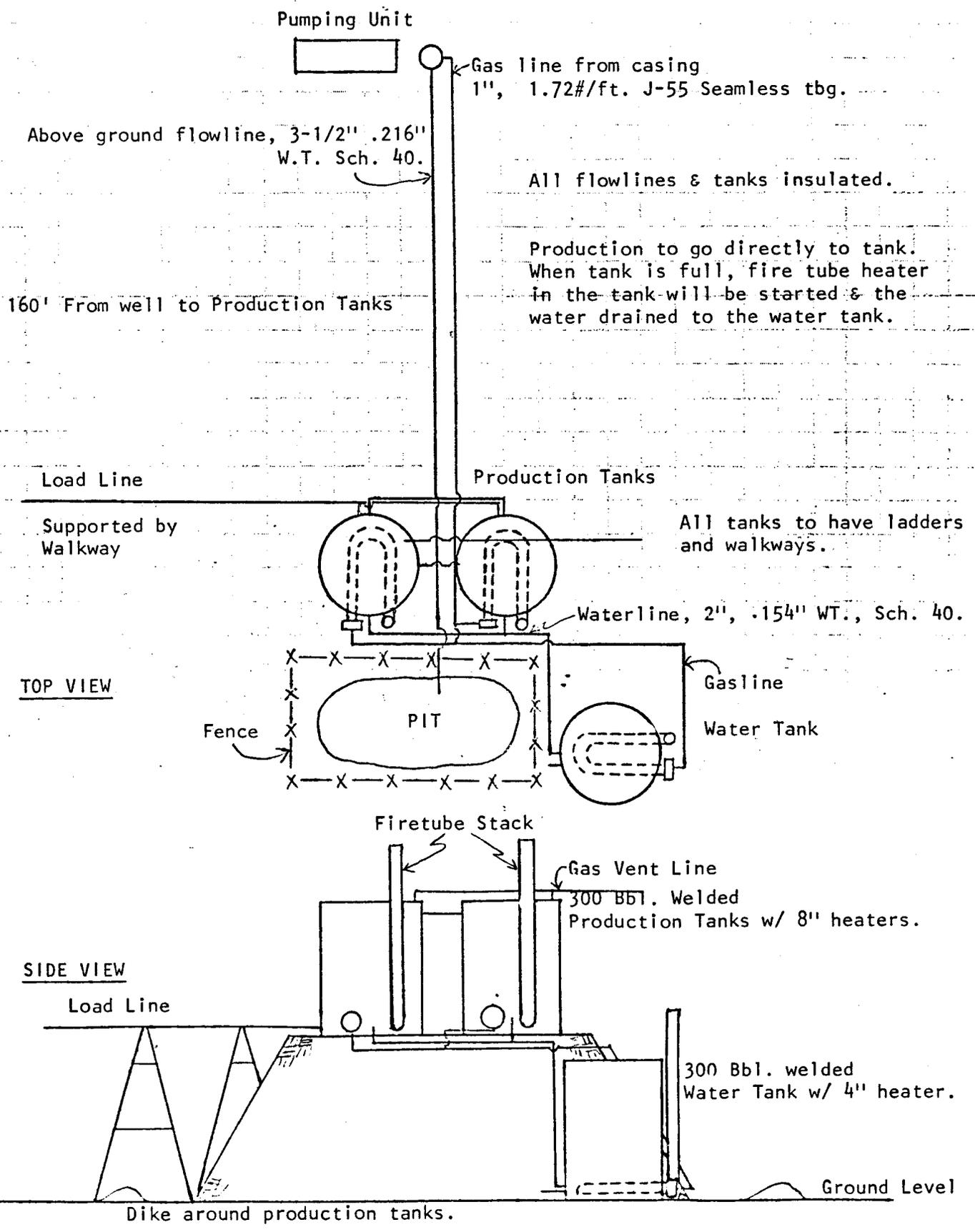
Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

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

SIGNED Richard Baumann TITLE Engineering Tech. DATE 1-22-81  
Richard Baumann

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-19266  
Communitization Agreement No. NA  
Field Name NA  
Unit Name RIVER BEND UNIT  
Participating Area NA  
County UINTAH State UTAH  
Operator MAPCO PRODUCTION COMPANY  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 1981 (1027)  
(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

| Well No.  | Sec. & 1/4 of 1/4 | TWP  | RNG | Well Status | Days Prod. | *Barrels of Oil | *MCF of Gas | *Barrels of Water | Remarks |
|-----------|-------------------|--|-----|-------------|------------|-----------------|-------------|-------------------|---------|
| FED.1-26A | 26 NENE           | 9S   | 18E | DRLG        | 5          | 264             |             |                   |         |
|           | 2-02-81           | Broke down Green River G zoner perfs 3993'-4003' with 1500 gal 15% HCl. Diesel fraced above zones with 5500 gallons gel diesel, 7750# 20/40 sand |     |             |            |                 |             |                   |         |
|           | 2-22-81           | Set 2 7/8" tubing @ 4983'. RIH with rod pump. RU surface pumping unit.   |     |             |            |                 |             |                   |         |

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

|                          | Oil & Condensate (BBLS) | Gas (MCF)            | Water (BBLS)         |
|--------------------------|-------------------------|----------------------|----------------------|
| *On hand, Start of Month | 137                     | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX |
| *Produced                | 264                     | 0                    |                      |
| *Sold                    | 204                     | 0                    | XXXXXXXXXXXXXXXXXXXX |
| *Spilled or Lost         |                         | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX |
| *Flared or Vented        | XXXXXXXXXXXXXXXXXXXX    | 0                    | XXXXXXXXXXXXXXXXXXXX |
| *Used on Lease           | 0                       | 0                    | XXXXXXXXXXXXXXXXXXXX |
| *Injected                | 0                       | 0                    |                      |
| *Surface Pits            | XXXXXXXXXXXXXXXXXXXX    | XXXXXXXXXXXXXXXXXXXX |                      |
| *Other (Identify)        | 0                       | 0                    |                      |
| *On hand, End of Month   | 197                     | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX |
| *API Gravity/BTU Content |                         |                      | XXXXXXXXXXXXXXXXXXXX |

Authorized Signature: Richard Baumann Address: 1643 Lewis Ave. Suite 202, Billings, MT  
Title: Engineering Technician Page        of        59102

FED 1-26A

Perfs

|           |           |                          |
|-----------|-----------|--------------------------|
| 5037-5040 | GR D zone | 1500 15% HCl             |
| 5044-5047 | 2 spf     | 14,200 gal foamed diesel |
|           |           | 8000# 20/40              |
|           |           | 8500# 10/20              |

|           |           |                          |
|-----------|-----------|--------------------------|
| 4526-4535 | GR K zone | 3000 gal 15% HCl         |
| 4490-4505 | 2 spf     | 15,000 gal gelled diesel |
|           |           | 20,000# sand             |

|           |           |                        |
|-----------|-----------|------------------------|
| 4202-4207 | GR I zone | 800 gal 15% HCl        |
|           | 2 spf     | 5500 gal gelled diesel |
|           |           | 7750# 20/40            |

|           |            |                        |
|-----------|------------|------------------------|
| 3993-4003 | GR G+ zone | 1500 gal 15% HCl       |
|           | 2 spf      | 5500 gal gelled diesel |
|           |            | 7750# 20/40 sand       |

BP at 5115

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPL **EE**

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-19266

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Fed. 1-26A

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 26, T9S, R18E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
MAPCO Production Company

3. ADDRESS OF OPERATOR  
1643 Lewis Ave., Suite 202, Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 550' FNL & 809' FEL, Sec. 26, T9S, R18E

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 43-047-30716 DATE ISSUED 6-6-80

12. COUNTY OR PARISH Uintah 13. STATE Utah

15. DATE SPUNDED 8-27-80 16. DATE T.D. REACHED 11-2-80 17. DATE COMPL. (Ready to prod.) 3-23-81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4893' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5444 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS  
Surface to TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5037-5047 GR D zone 4202-4207 GR I zone  
4490-4535 GR K zone 3993-4003 GR G+ zone 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-GR-SP CNL-FDL-Caliper 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#             | 391            | 12-1/4"   | 250 sx           |               |
| 5-1/2"      | 15.5#           | 5164           | 7-7/8"    | 815 sx           |               |

29. LINER RECORD 30. TUBING RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | BACKER SET (MD)   |
|------|----------|-------------|---------------|-------------|--------|----------------|-------------------|
|      |          |             |               |             | 2-7/8" | 4981           | Tbg anchor @ 4981 |

31. PERFORATION RECORD (Interval, size and number) See Attachment

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
|                     |                                  |

33.\* PRODUCTION

| DATE FIRST PRODUCTION      | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|----------------------------|--|------------------------------------|
| 11-24-80 (Swab)            | Pump   | POW                                |
| DATE OF TEST 4-4 to 4-7-81 | HOURS TESTED 72  | CHOKE SIZE                         |
|                            | PROD'N. FOR TEST PERIOD  | OIL—BBL. 100                       |
|                            |  | GAS—MCF. TSTM                      |
|                            |  | WATER—BBL. 144                     |
|                            |  | GAS-OIL RATIO                      |
| FLOW. TUBING PRESS.        | CASING PRESSURE  | CALCULATED 24-HOUR RATE            |
|                            |  | OIL—BBL. 36                        |
|                            |  | GAS—MCF. TSTM                      |
|                            |  | WATER—BBL. 48                      |
|                            |  | OIL GRAVITY-API (CORR.)            |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used on lease TEST WITNESSED BY Darwin Kulland

35. LIST OF ATTACHMENTS Perforations and treatment

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Richard Baumann TITLE Engr. Tech. DATE 4-30-81

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-19266  
Communitization Agreement No. NA  
Field Name NA  
Unit Name RIVER BEND UNIT  
Participating Area NA  
County UINTAH State UTAH  
Operator MAPCO PRODUCTION COMPANY  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of December, 19 81

Revised

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

| Well No.   | Sec. & 1/4 of 1/4 | TWP | RNG | Well Status   | Days Prod. | *Barrels of Oil | *MCF of Gas | *Barrels of Water | Remarks |
|------------|-------------------|-----|-----|---|------------|-----------------|-------------|-------------------|---------|
| FED. 1-26A | 26 NENE           | 9S  | 18E | DRLG  | 0          | 717             | 0           | 0                 |         |
|            | 12-01-80          |     |     | Fraced Wasatch Tongue with 14,200 gal foamed diesel and 8000 # 20/40 sand, 8500 # 10/20 sand. |            |                 |             |                   |         |
|            | 12-11-80          |     |     | Perfed Green River K Zone 4490 - 4535.  |            |                 |             |                   |         |
|            | 12-16-80          |     |     | Acidized with 3000 gal of 15% HCl.  |            |                 |             |                   |         |
|            | 12-19-80          |     |     | Fraced Green River K zone with 15,840 gal foamed diesel and 20,000 # sand.                    |            |                 |             |                   |         |

REVISIED

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

|                          | Oil & Condensate (BBLs) | Gas (MCF)          | Water (BBLs)       |
|--------------------------|-------------------------|--------------------|--------------------|
| *On hand, Start of Month | 0                       | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *Produced                | 717                     | 0                  | 0                  |
| *Sold                    | 433                     |                    | XXXXXXXXXXXXXXXXXX |
| *Spilled or Lost         | 0                       | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *Flared or Vented        | XXXXXXXXXXXXXXXXXX      |                    | XXXXXXXXXXXXXXXXXX |
| *Used on Lease           | 0                       |                    | XXXXXXXXXXXXXXXXXX |
| *Injected                | 0                       |                    |                    |
| *Surface Pits            | XXXXXXXXXXXXXXXXXX      | XXXXXXXXXXXXXXXXXX |                    |
| *Other (Identify)        | 0                       |                    |                    |
| *On hand, End of Month   | 284                     | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX |
| *API Gravity/BTU Content |                         |                    | XXXXXXXXXXXXXXXXXX |

Authorized Signature: Richard B. ... Address: 1643 Lewis Ave., Billings, MT 59102  
Title: Engineering Technician Page \_\_\_\_\_ of \_\_\_\_\_



**CNG PRODUCING COMPANY**  
TULSA DIVISION

**RECEIVED**

FEB 22 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

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED BUDGET BUREAU NO. 1004-0135 EXPIRES: MARCH 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED JUN 07 1993

1. Type of Well [X] Oil Well [ ] Gas Well [ ] Other
2. Name of Operator CNG PRODUCING COMPANY
3. Address and Telephone No. CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface - 550' FNL & 809' FEL of Sec. 26-T9S-R18E
7. If Unit or GA, Agreement Designation
8. Well Name and No. Federal 1-26A
9. API Well No. 43-047-30716
10. Field and Pool, or Exploratory Area
11. County or Parish, State Uintah, Utah

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

Table with 2 columns: TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Recompletion, Plugging Back, Casing Repair, Altering Casing, Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-Off, Conversion to Injection, and Dispose Water.

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

Operations are scheduled to begin July 1, 1993.

- 1. Move in pulling unit.
2. Pull rods, pump and tubing.
3. Run in hole with 5 1/2" cast iron bridge plug and set at 3,950'. Spot 100' or 12 sacks of "G" cement mixed at 15.8 PPG on top of plug.
4. Test plug to 1000 PSI for 15 minutes.
5. Attempt to inject down 5 1/2" by 8 5/8" annulus with water. Do not exceed 1500 PSI. Pump 50 sks of "G" cement mixed at 15.8 PPG. Displace cement to 300'. If unable to pump-in, perforate at 450' and pump 50 sks.
6. Spot 50' surface plug or 7 sks inside the 5 1/2".
7. Cut both strings of casing 3' below grade.
8. Place a 4' abandonment marker on well site.
9. Move all wellhead and surface equipment to yard in Roosevelt.
10. Clean-up and reclaim location to BLM specifications.

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

Signed W. Scot Childress Title Supervisor, Prod. Engineering Date June 1, 1993

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_
Conditions of approval, if any: \_\_\_\_\_

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

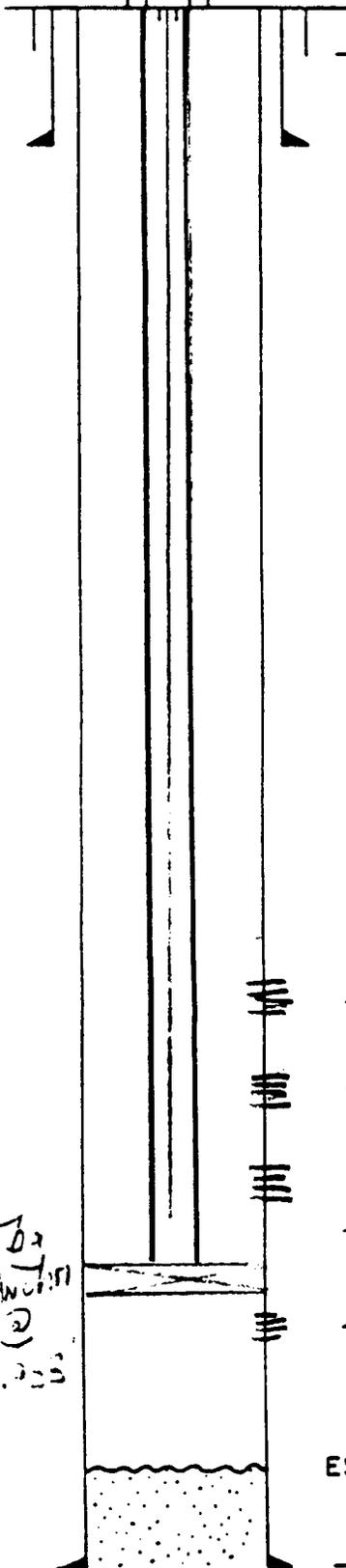
\*See Instructions on Reverse Side

WELL SKETCH

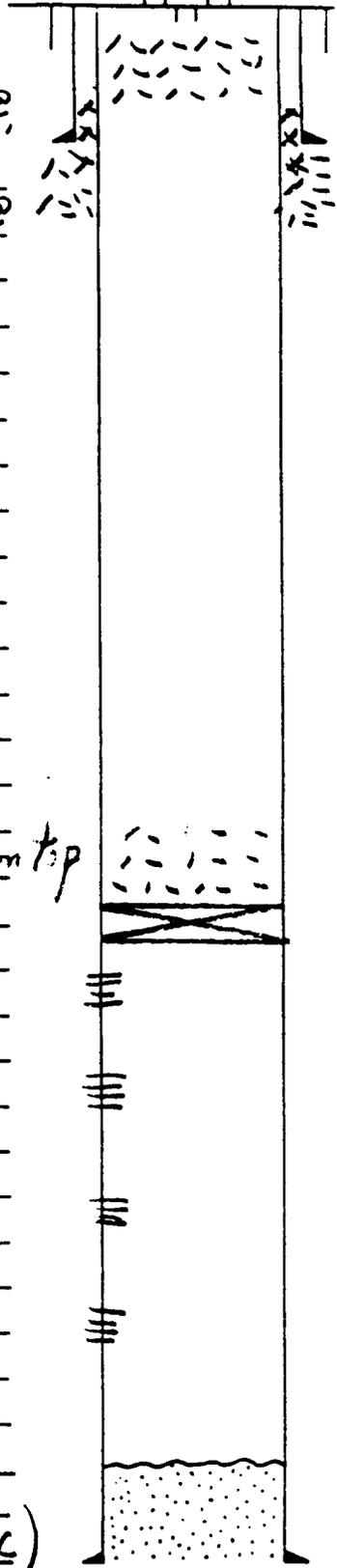
WELL Federal 1-264 FIELD Sheep Wash  
 SEC. 26, T 9S, R 19E, Uintah COUNTY, Utah  
 ELEVATIONS: GROUND 4893; KB TO \_\_\_\_\_ = \_\_\_\_\_

PRESENT

P & A  
PROPOSED



\_\_\_\_" @ \_\_\_\_\_  
8 5/8" 24 # @ 391 - 250 Lxs  
 [amt. to surface]  
 TOL @ 300'  
 BOC @ 500'  
  
2 1/2" 3rd Tubing  
  
 50' amt. m top  
Green River Sand  
 CIBP @ 3950'  
3993-4003'  
4202-4207'  
4490-4535'  
 SN @ 4950'  
Wasatch Image Sand  
5037-5047'  
  
 EST PBTD 5115'  
5 1/2" 15.2 # @ 5164 815 Lxs (600 P.2 / 215 RFL)



DATE \_\_\_\_\_ PREPARED BY \_\_\_\_\_

INDIVIDUAL FEDERAL LEASE WELLS

UNITAH COUNTY, UTAH

| <u>Well Name</u>            | <u>Location</u>                   | <u>Status</u>                 |
|-----------------------------|-----------------------------------|-------------------------------|
| 1. Federal 7-25A            | SW NE Sec. 25-T9S-R18E            | Producing Oil Well            |
| <del>2. Federal 1-26A</del> | <del>NE NE Sec. 26-T9S-R18E</del> | <del>Producing Oil Well</del> |
| 3. Federal 6-30B            | SE NW Sec. 30-T9S-R19E            | Producing Oil Well            |

CNG Producing  
Company

June 1, 1993

Mr. Ed Forsman  
US Department of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

RE: Federal 1-26A 42-047-3071b  
Federal 6-30B  
OSC #2  
P&A Procedure

Dear Ed:

Attached please find Form 3160-5, Sundry Notices and Reports on Wells, filing for intent to plug and abandon outlining the plugging procedure for the above referenced wells. Also attached are the well schematics that shows the proposed plugs.

If you have any questions, please feel free to contact me at (504) 593-7260 or our project engineer, Scot Childress, at (504) 593-7574. Thank you for your cooperation in this matter.

Sincerely,

*Susan M. Hebert*

Susan M. Hebert  
Regulatory Reports Asst. II

Enclosure

cc: Tammy Searing - Utah Board of Oil Gas & Mining  
Yvonne Abadie  
Scot Childress  
Well files

**RECEIVED**

JUN 6 7 1993

DIVISION OF  
OIL GAS & MINING

CNG Tower  
1450 Poydras Street  
New Orleans, LA 70112-6000  
(504) 593-7000

**December 16, 1993**

**Mr. Ed Forsman  
U.S. Dept. of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078**

**RE: Well Plugging Report  
RBU 1-26A NE NE of Sec. 26-T9S-R18E**

**Dear Ed:**

Enclosed please find the original and two copies of the above referenced report.

CNG Producing Company is requesting all information be held confidential.

Should you have any question please feel free to contact either myself at (504) 593-7260 or the project engineer, Scot Childress at (504) 593-7574.

Sincerely,

*Susan H. Sachitana*  
Susan H. Sachitana  
Regulatory Specialist

Enclosure

cc: Ms. Tammy Searing - Utah Department of Oil, Gas & Mining ✓  
Y. Abadie  
S. Childress  
B. Coffin  
C. Collins  
V. Corpening  
D. Daly  
D. Davis  
D. Kulland  
R. Mueller  
RBU Well Files  
RBU Well Book  
PG&E Resource Company

DEC 20 1993

Form approved. Budget Bureau No. 1004-0137 Expires August 31, 1985

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\* (See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] DRY [ ] Other [X] P & A
1b. TYPE OF COMPLETION: NEW WORK DEEP-EN [ ] PLUG BACK [ ] DIFF RESVR. [ ] Other [X] P & A

5. LEASE DESIGNATION AND SERIAL NO. U-19266
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal
9. WELL NO. 1-26A
10. FIELD AND POOL, OR WILDCAT
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NE of NE of 26-T9S-R18E

2. NAME OF OPERATOR CNG Producing Company
3. ADDRESS OF OPERATOR CNG Tower - 1450 Poydras St., New Orleans, LA 70112-6000
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 550' FNL & 809' FEL of Sec. 26-T9S-R18E

12. COUNTY OR 13. STATE PARISH Uintah Utah
14. PERMIT NO. 43-047-30716
15. DATE ISSUED 06/02/92
16. ELEVATION (DF RKB, RT, GR, ETC.)\* 4,893' GR
17. DATE COM. (Ready to prod.) 12/13/93 P&A
18. ELEV. CASINGHEAD
19. ELEV. CASINGHEAD
20. TOTAL DEPTH MD & TVD 5,444'
21. PLUG, BACK T.D. MD & TVD 5,115'
22. IF MULTIPLE COMPL., HOW MANY\*
23. INTERVALS DRILLED BY Rotary
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\* N/A
25. WAS DIRECTIONAL SURVEY MADE No

15. DATE SPUDDED 08/27/80
16. DATE T.D. REACHED 11/02/80
17. DATE COM. (Ready to prod.) 12/13/93 P&A
18. ELEVATION (DF RKB, RT, GR, ETC.)\* 4,893' GR
19. ELEV. CASINGHEAD
20. TOTAL DEPTH MD & TVD 5,444'
21. PLUG, BACK T.D. MD & TVD 5,115'
22. IF MULTIPLE COMPL., HOW MANY\*
23. INTERVALS DRILLED BY Rotary
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\* N/A
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN None
27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well) Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD)
30. TUBING RECORD Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) Table with columns: ZONE #, INTERVAL, SIZE
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

33. DATE FIRST PRODUCTION N/A
33. PRODUCTION MET (Flowing, gas lift, pumping - size and type of pump)
33. WELL STATUS (Producing or shut-in)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
35. LIST OF ATTACHMENTS Plugging Schematic

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
SIGNED W. Scot Childress
TITLE Supervisor, Prod. Eng.
DATE 12/16/93

\* (See Instruction and Spaces for Additional Data on Reverse Side)
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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, flowing and shut-in pressures, and recoveries)

38. GEOLOGICAL MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME               | TOP         |                  |
|-----------|-----|--------|-----------------------------|--------------------|-------------|------------------|
|           |     |        |                             |                    | MEAS. DEPTH | TRUE VERT. DEPTH |
|           |     |        |                             | Green River D Zone | 3,572'      | 3,572'           |
|           |     |        |                             | Green River I Zone | 4,132'      | 4,132'           |
|           |     |        |                             | Upper K Zone       | 4,396'      | 4,396'           |
|           |     |        |                             | Lower K Zone       | 4,480'      | 4,480'           |
|           |     |        |                             | Wasatch Tongue     | 4,842'      | 4,842'           |
|           |     |        |                             | Green River Tongue | 5,238'      | 5,238'           |
|           |     |        |                             | Wasatch            | 5,408'      | 5,408'           |

WELL SKETCH

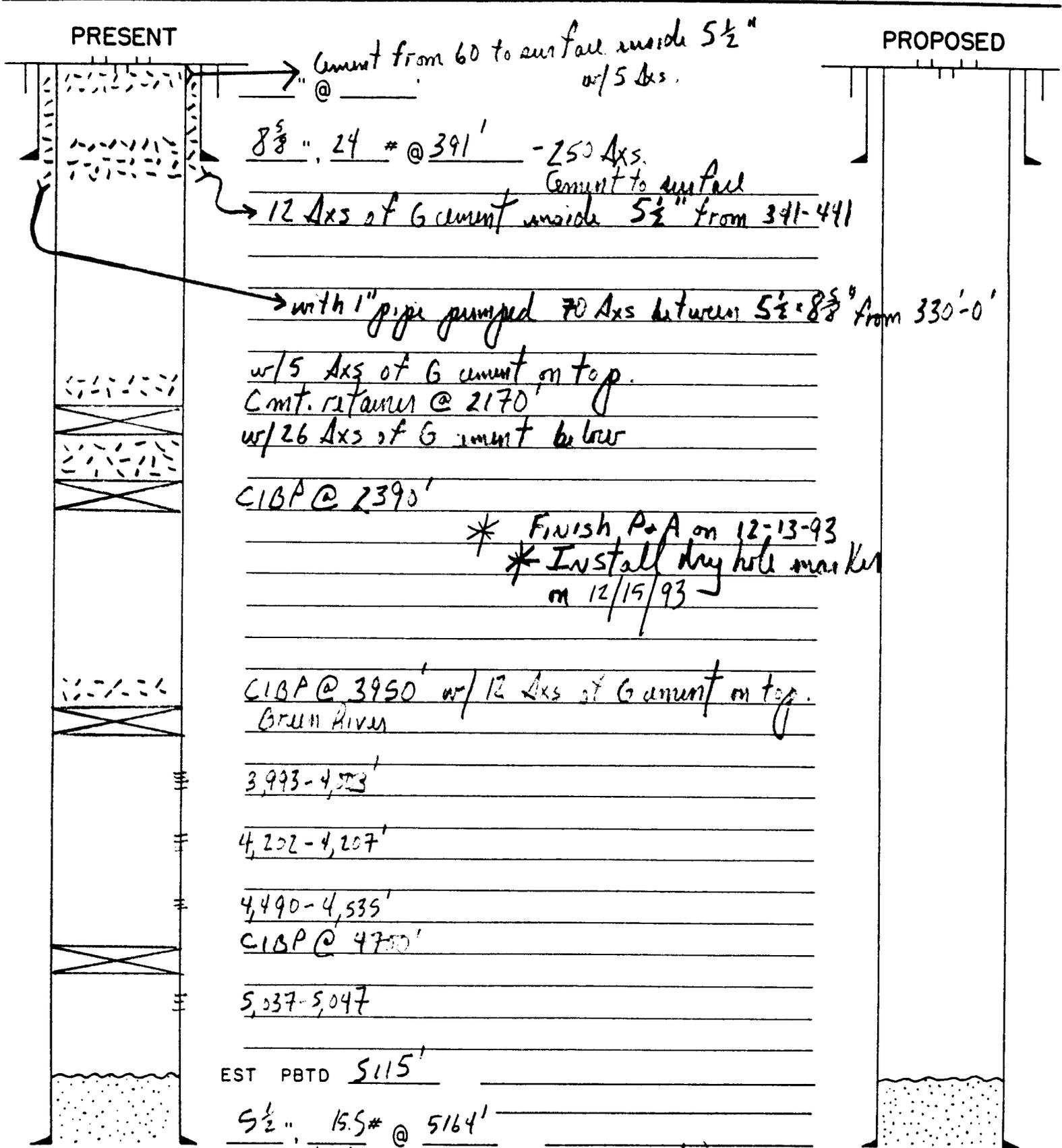
DEC 20 1993

WELL Federal 1-26A

FIELD Sheepwash

SEC. 26, T 9S, R 18E, Uintah COUNTY, Utah

ELEVATIONS: GROUND 4893'; KB TO \_\_\_\_\_ = \_\_\_\_\_



→ Cement from 60 to surface inside 5 1/2" w/ 5 Axs.

8 5/8" 24 # @ 391' - 250 Axs.

→ 12 Axs of 6 cement inside 5 1/2" from 391-441 Cement to surface

→ with 1" pipe pumped 70 Axs between 5 1/2" - 8 5/8" from 330'-0'

w/ 5 Axs of 6 cement on top.

Cmt. retainer @ 2170'

w/ 26 Axs of 6 cement below

CIP @ 2390'

\* Finish P.A on 12-13-93

\* Install dry hole marker on 12/15/93

CIP @ 3950' w/ 12 Axs of 6 cement on top. Green River

3,993-4,053'

4,202-4,207'

4,490-4,535'

CIP @ 4750'

5,037-5,047'

EST PBTD 5115'

5 1/2" 15.5 # @ 5164'

DATE 12/15/93 PREPARED BY Scott Childress

UNITED STATE  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
BUDGET BUREAU NO. 1004-0135  
EXPIRES: MARCH 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

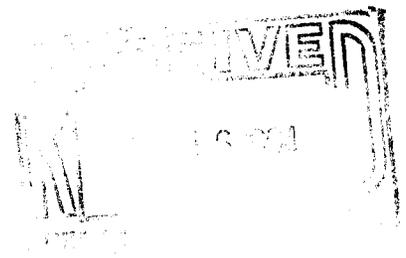
|  |   |
|--|---|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | 7. If Unit or CA, Agreement Designation     |
| 2. Name of Operator<br>CNG PRODUCING COMPANY   | 8. Well Name and No.<br>Federal 1-26A       |
| 3. Address and Telephone No.<br>CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000                                      | 9. API Well No.<br>43-047-30716             |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Surface - 550' FNL & 809' FEL of Sec. 26-T9S-R18E      | 10. Field and Pool, or Exploratory Area     |
|  | 11. County or Parish, State<br>Uintah, Utah |

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

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                  |   |
|---|---|---|
| <input checked="" type="checkbox"/> Notice of Intent  | <input checked="" type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans  |
|   | <input type="checkbox"/> Recompletion           | <input type="checkbox"/> New Construction   |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Plugging Back          | <input type="checkbox"/> Non-Routine Fracturing   |
|   | <input type="checkbox"/> Casing Repair          | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Altering Casing        | <input type="checkbox"/> Conversion to Injection  |
|   | <input type="checkbox"/> Other -                | <input type="checkbox"/> Dispose Water  |
|   |   | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |

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

The Federal 1-26A well was plugged and abandoned on December 13, 1993. The location has been reclaimed and reseeded and is ready for inspection.



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

Signed Susan H. Sachitana Title Regulatory Specialist Date June 14, 1994  
Susan H. Sachitana

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

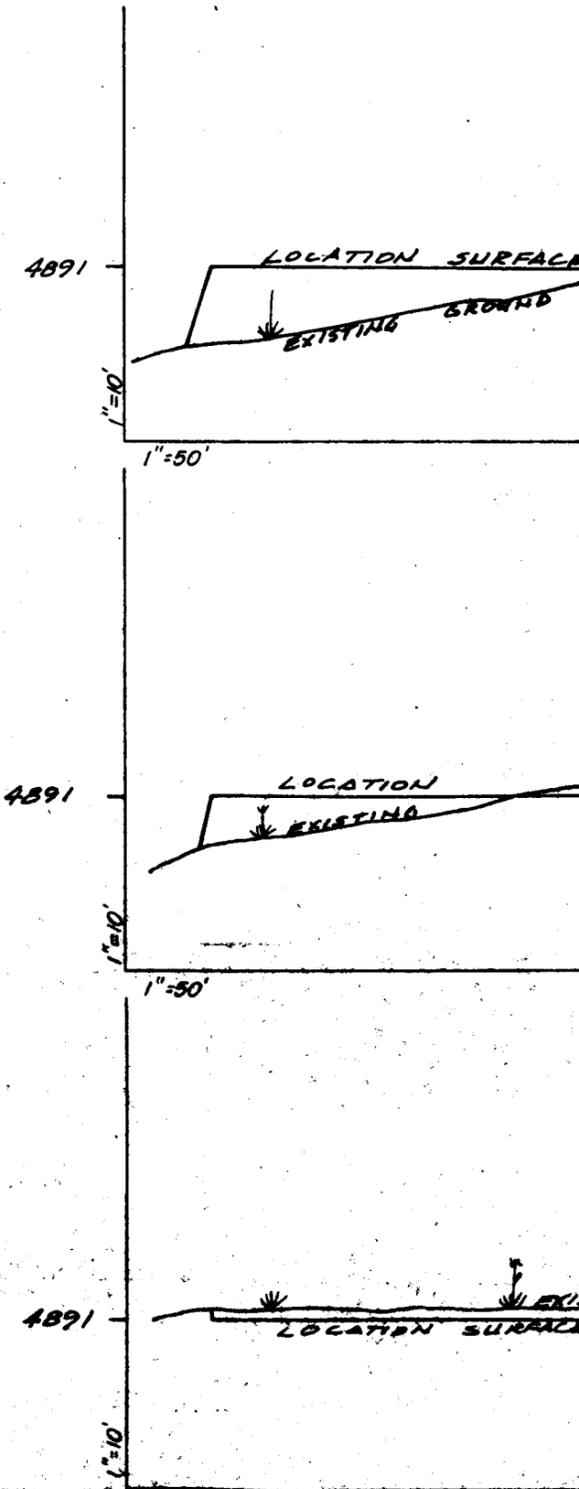
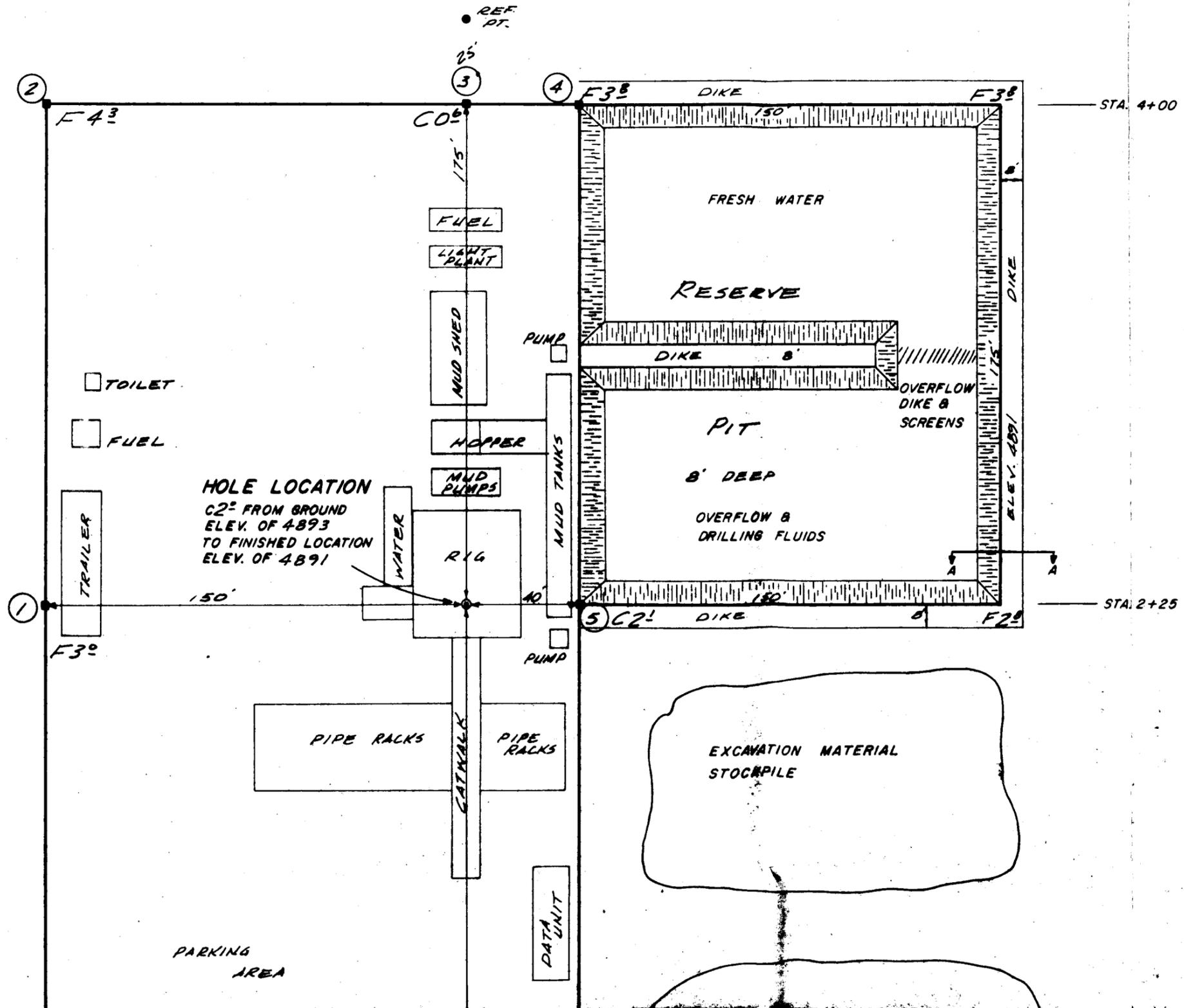
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

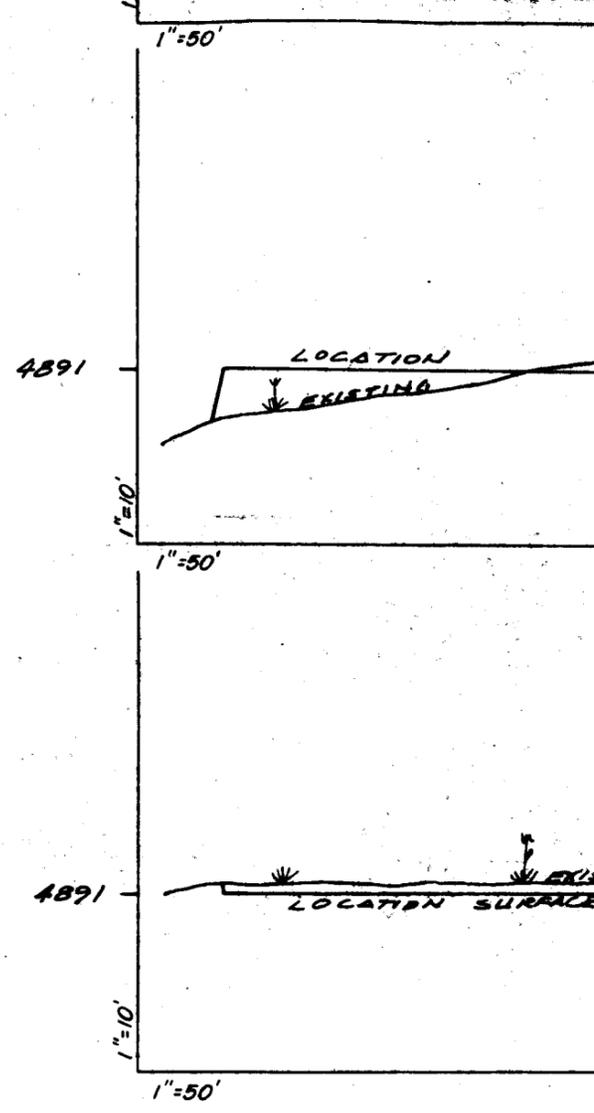
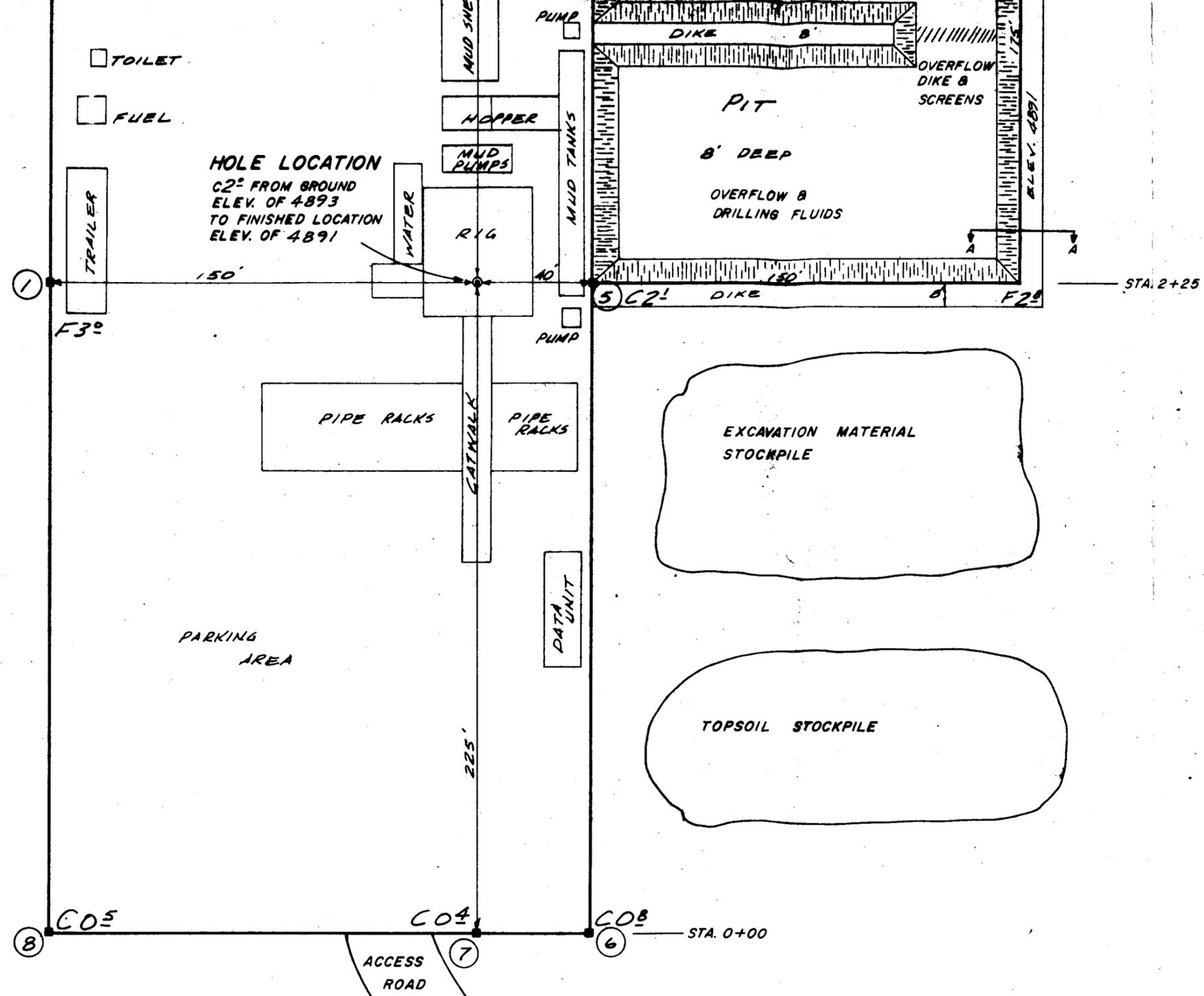
\*See Instructions on Reverse Side

# MAPCO, INC.

## FEDERAL 1-26 A

### LAYOUT PLAT





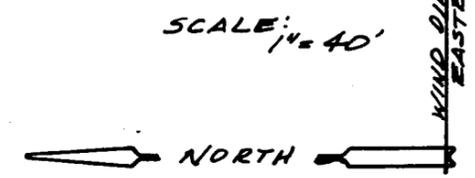
NOTES

THE LOCATION IS LOCATED IN A LARGE FLAT WITH LOW RIDGES TO THE NORTH. THERE IS SCATTERED BRUSH AND GRASS. SOIL IS LIGHT BROWN SANDY CLAY & SANDSTONE.

APPROXIMATE QUANTITIES

CUT: 7020 CU. YDS.

FILL: 2480 CU. YDS.



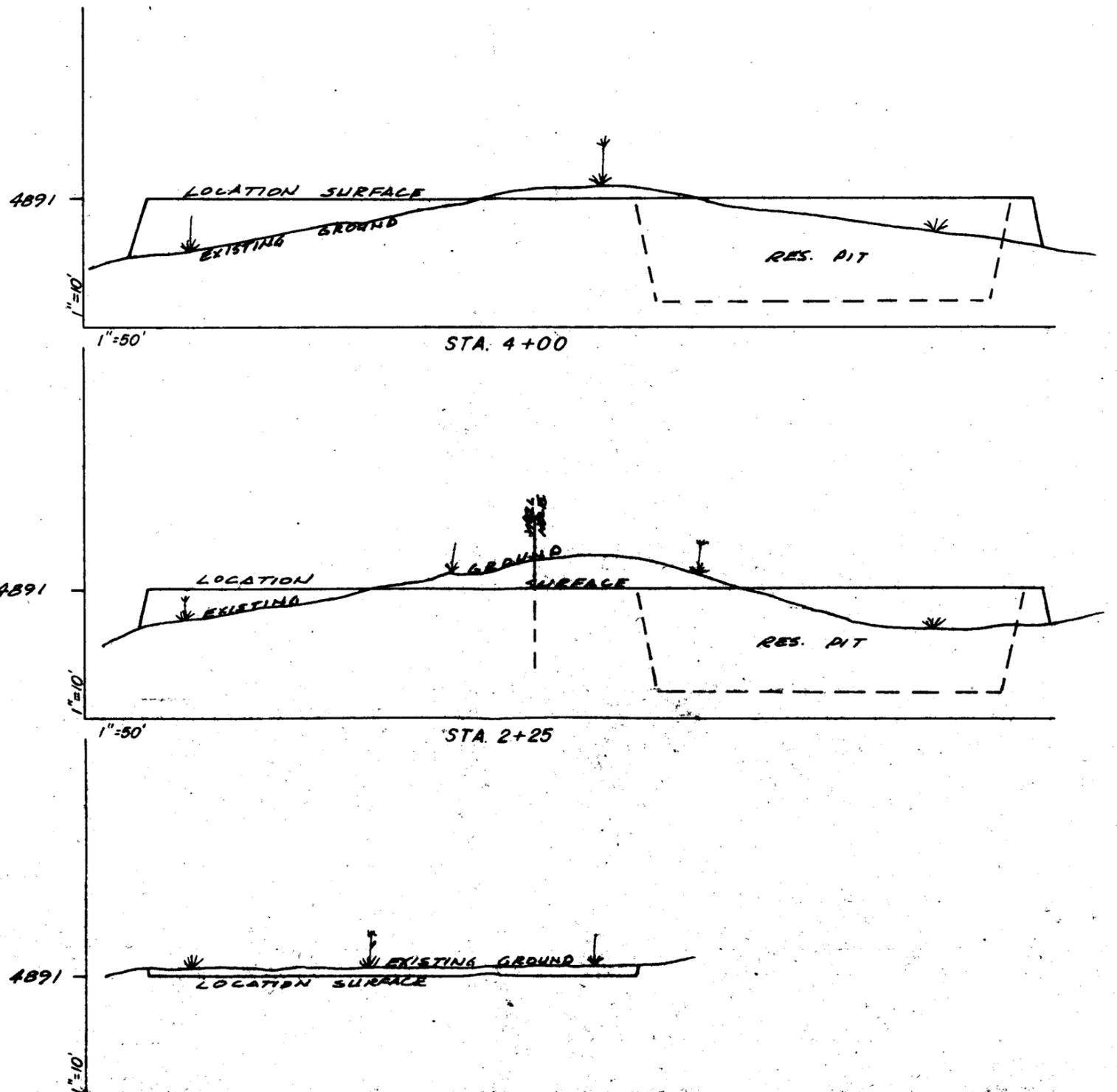
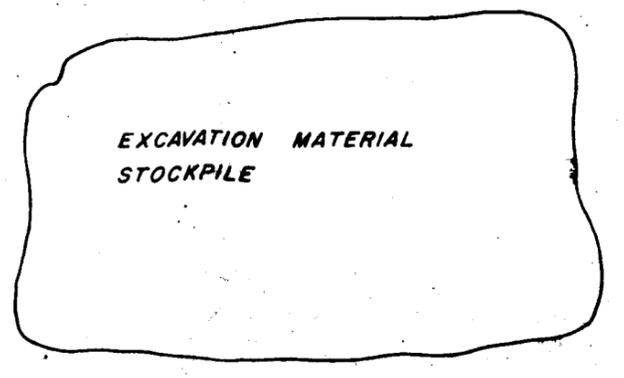
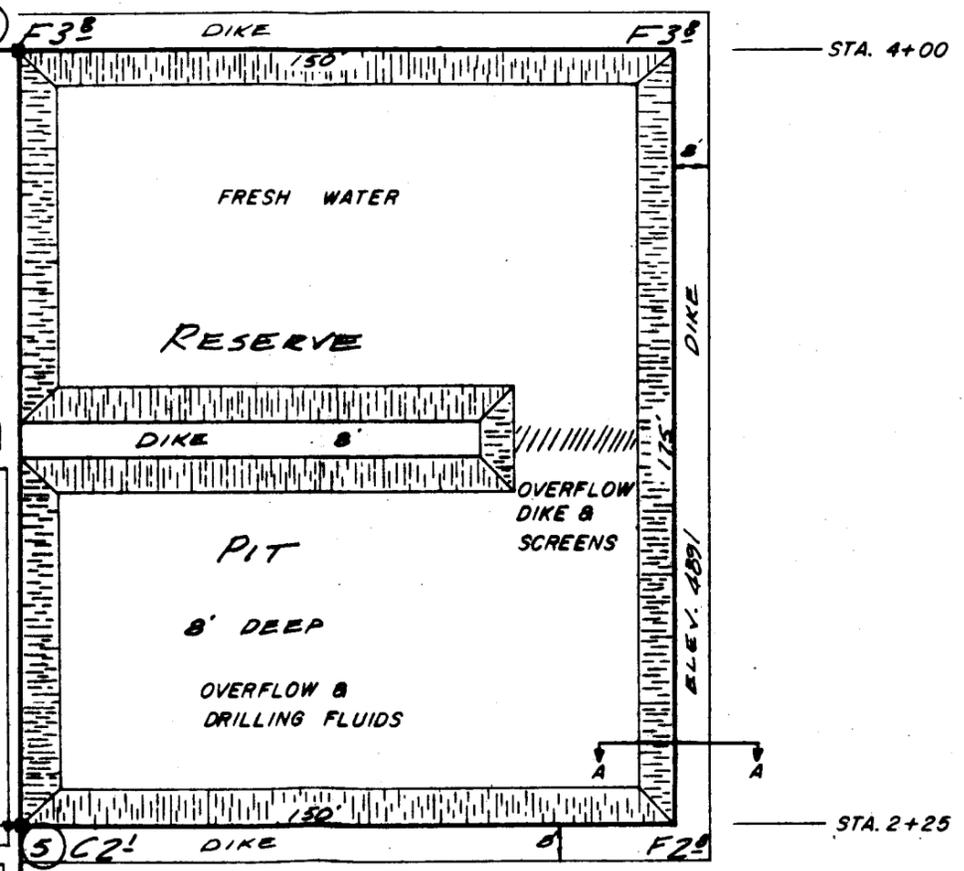
# MAPCO, INC.

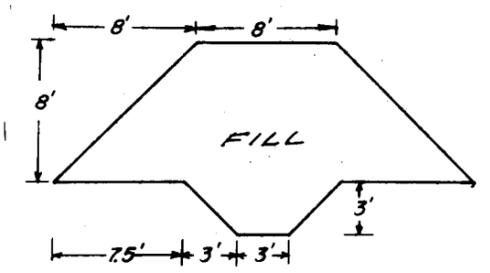
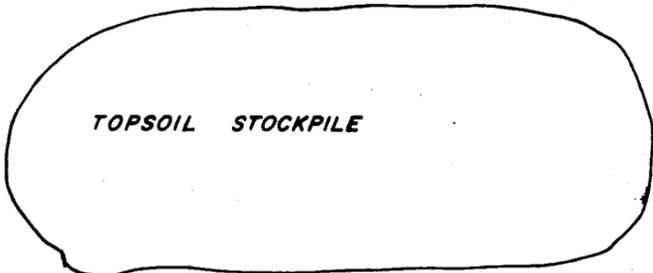
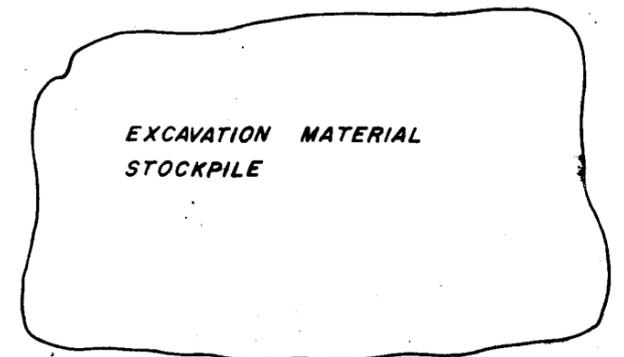
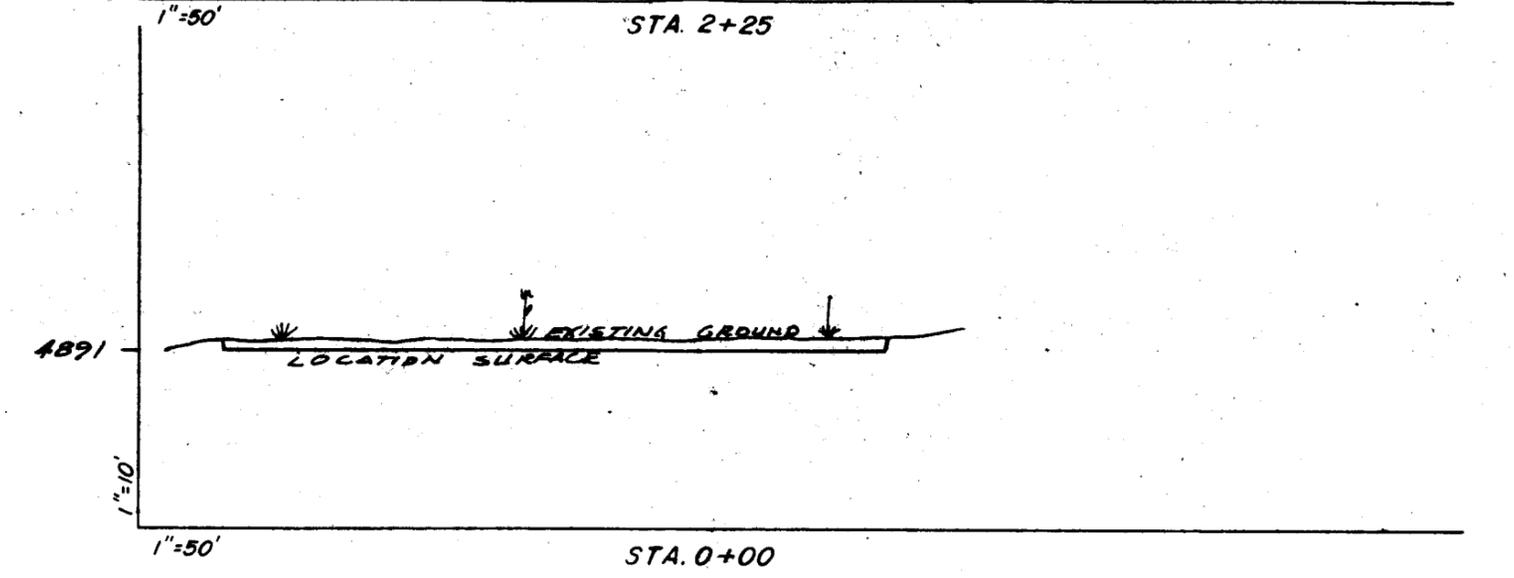
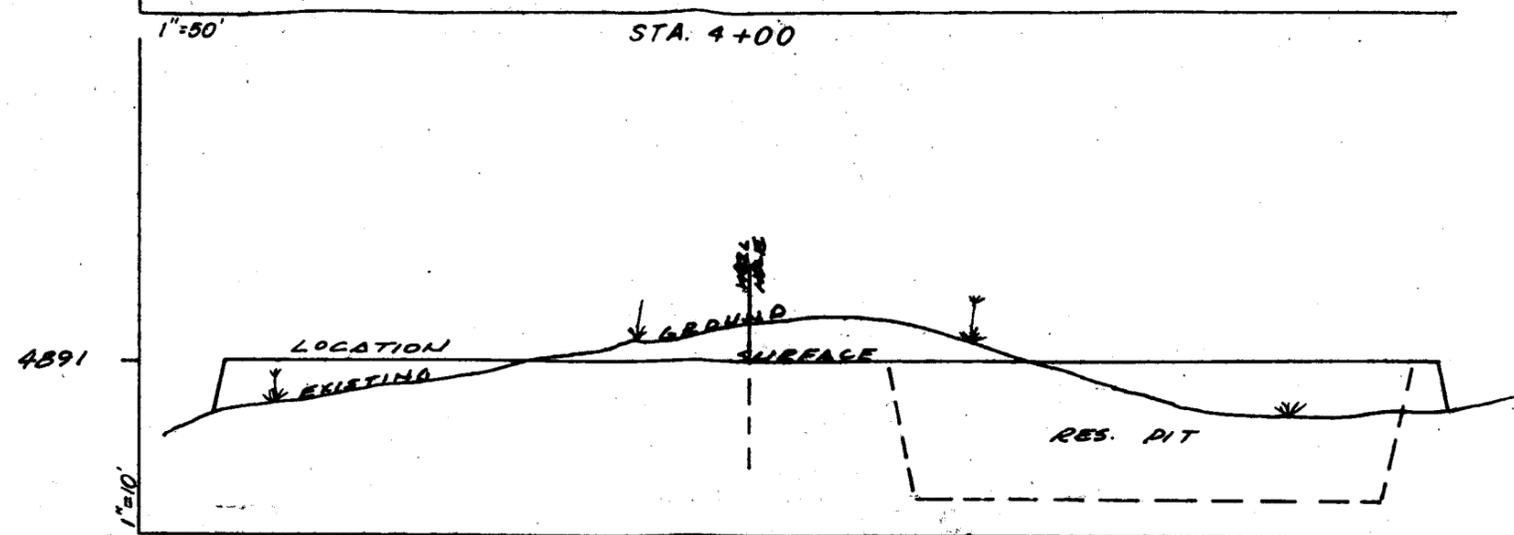
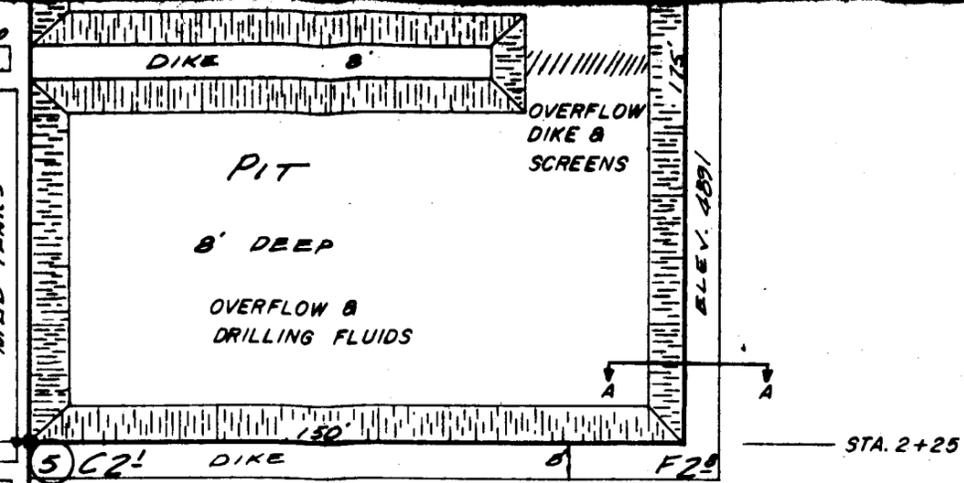
## FEDERAL 1-26 A

### LAYOUT PLAT

LOCATED IN THE NE 1/4 OF THE NE 1/4 OF SECTION 26, T9S, R18E S.L.B. 1M.

Exhibit E





**NOTES**

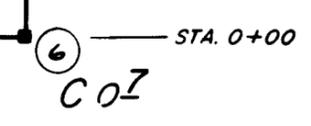
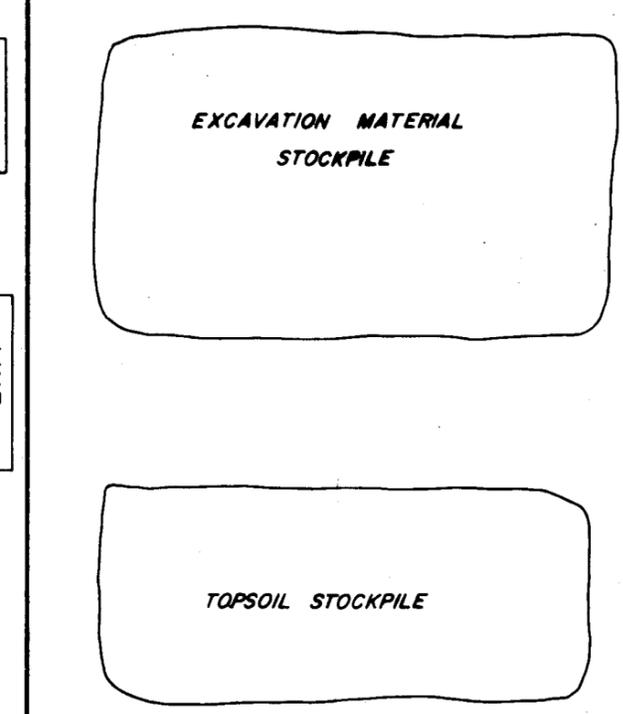
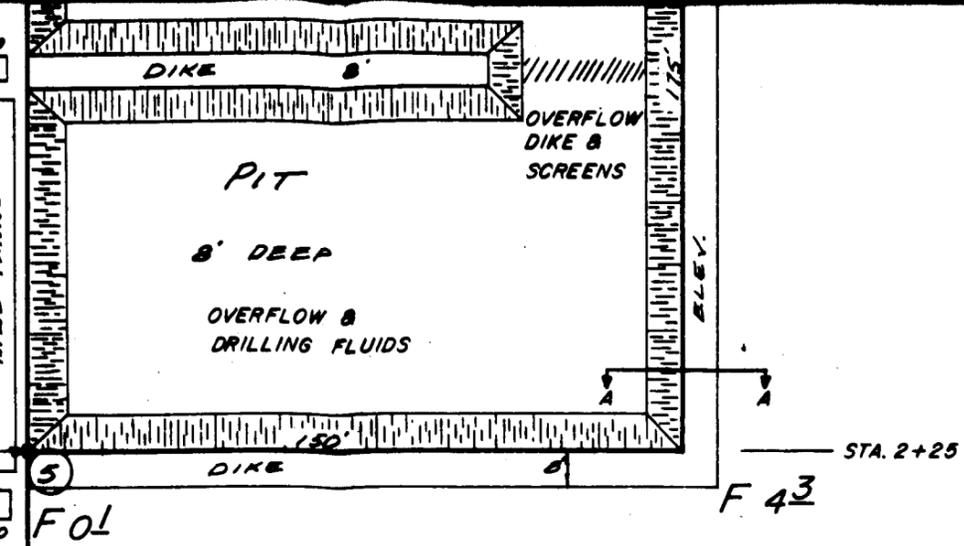
THE LOCATION IS LOCATED IN A LARGE FLAT WITH LOW RIDGES TO THE NORTH. THERE IS SCATTERED BRUSH AND GRASS. SOIL IS LIGHT BROWN SANDY CLAY & SANDSTONE.

**APPROXIMATE QUANTITIES**

CUT: 7020 CU. YDS.  
 FILL: 2480 CU. YDS.

KEYWAY A-A

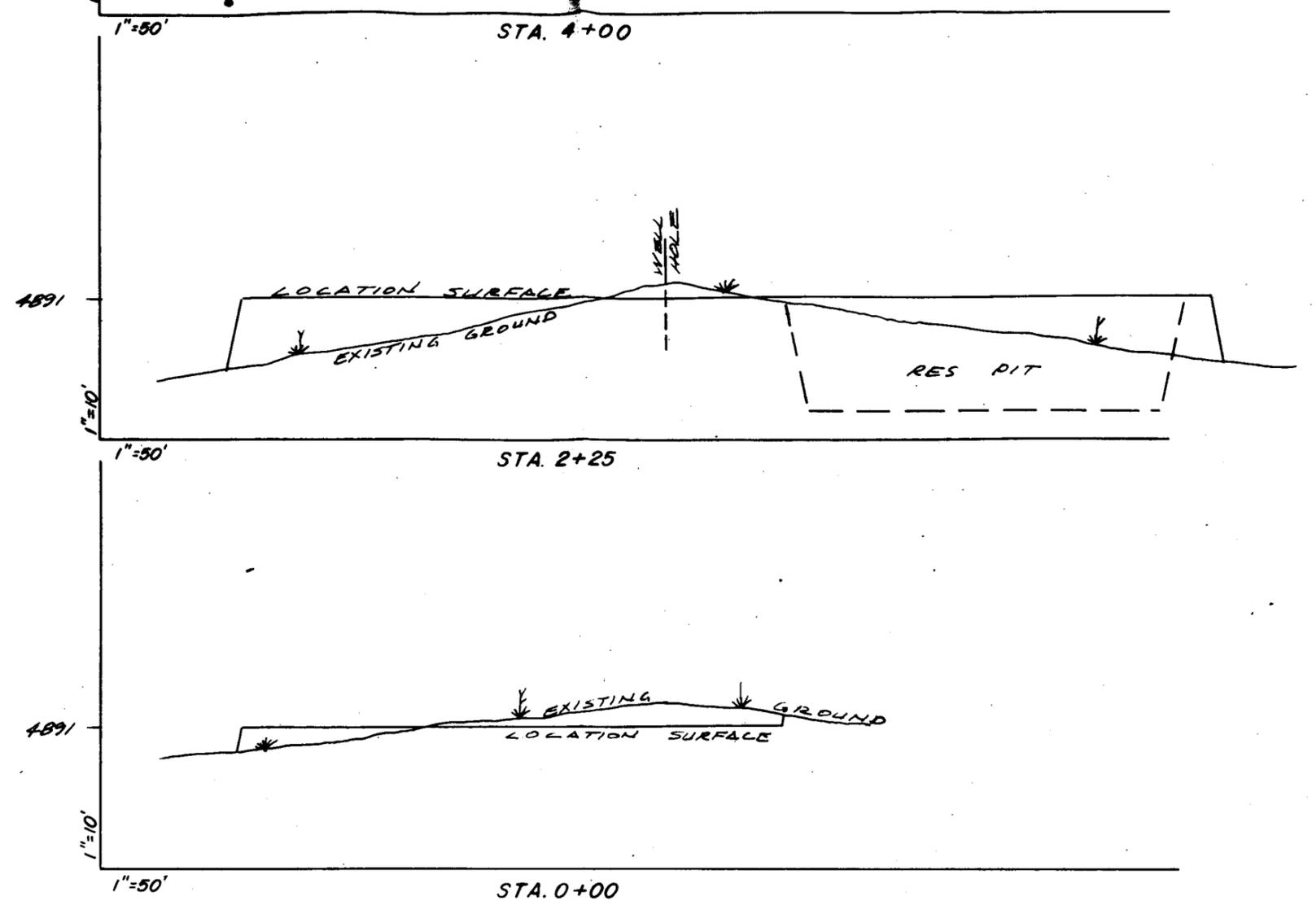
|  |  |
|--|--|
|  | <b>JERRY D. ALLRED &amp; ASSOCIATES</b><br>Surveying & Engineering Consultants     |
|  | 121 North Center Street<br>P.O. Drawer C<br>DUCHESNE, UTAH 84021<br>(801) 738-5352 |



NOTES

The location is located on a relatively flat area with low hills to the North and flat plains opening to the South.

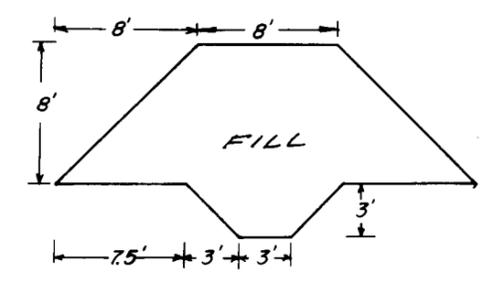
The soil is composed of weathered sandstone and shale.



APPROXIMATE QUANTITIES

CUT: 5900 cu yds

FILL: 4650 cu yds



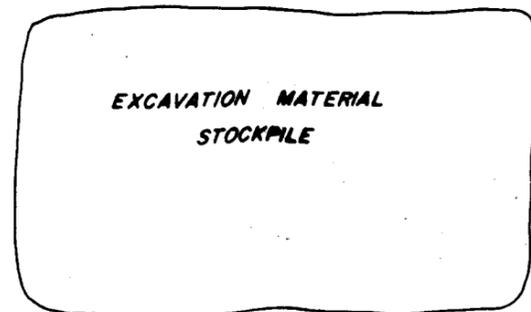
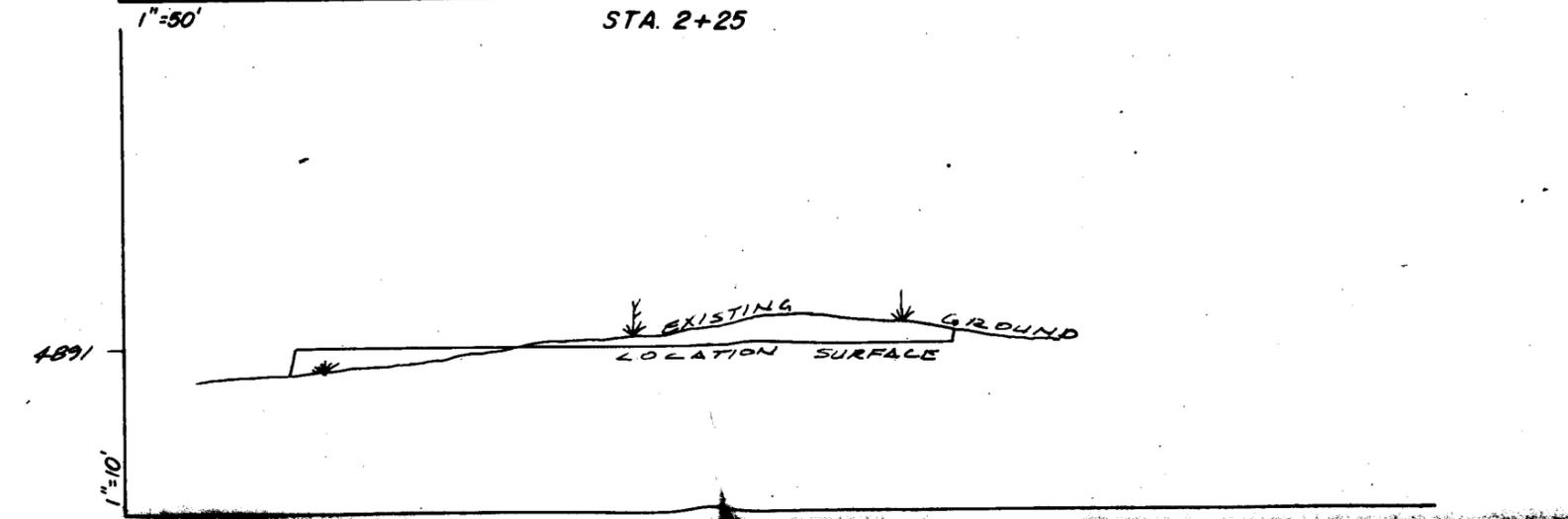
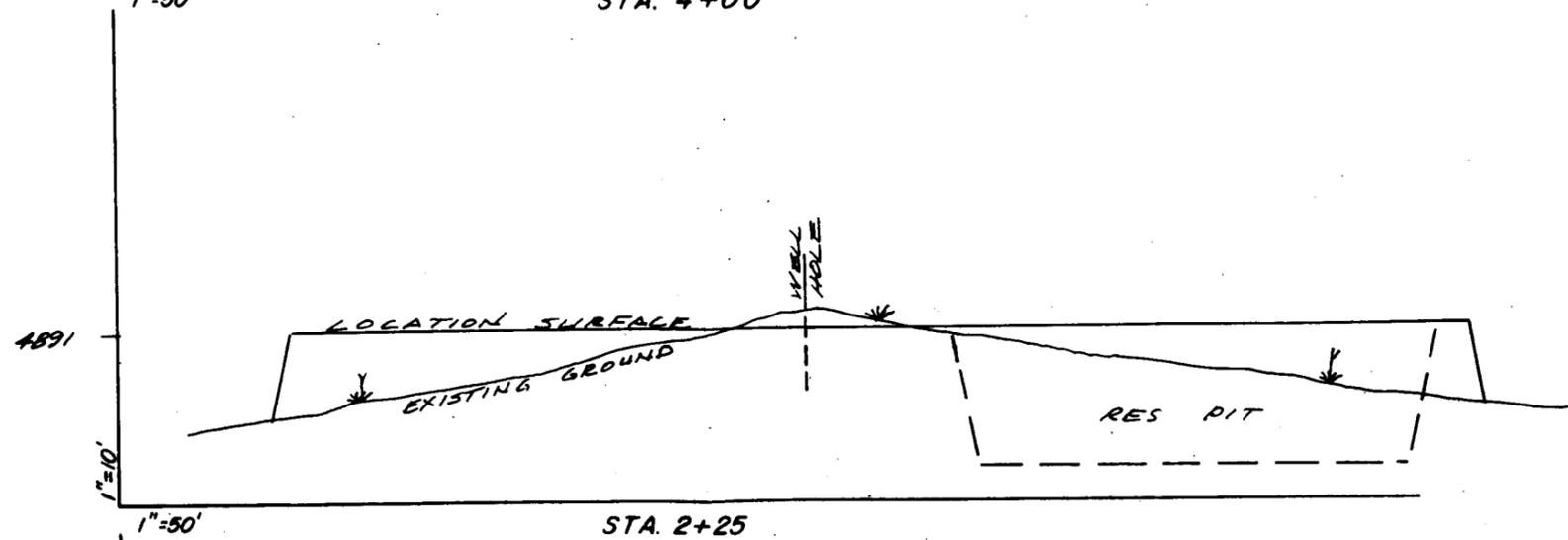
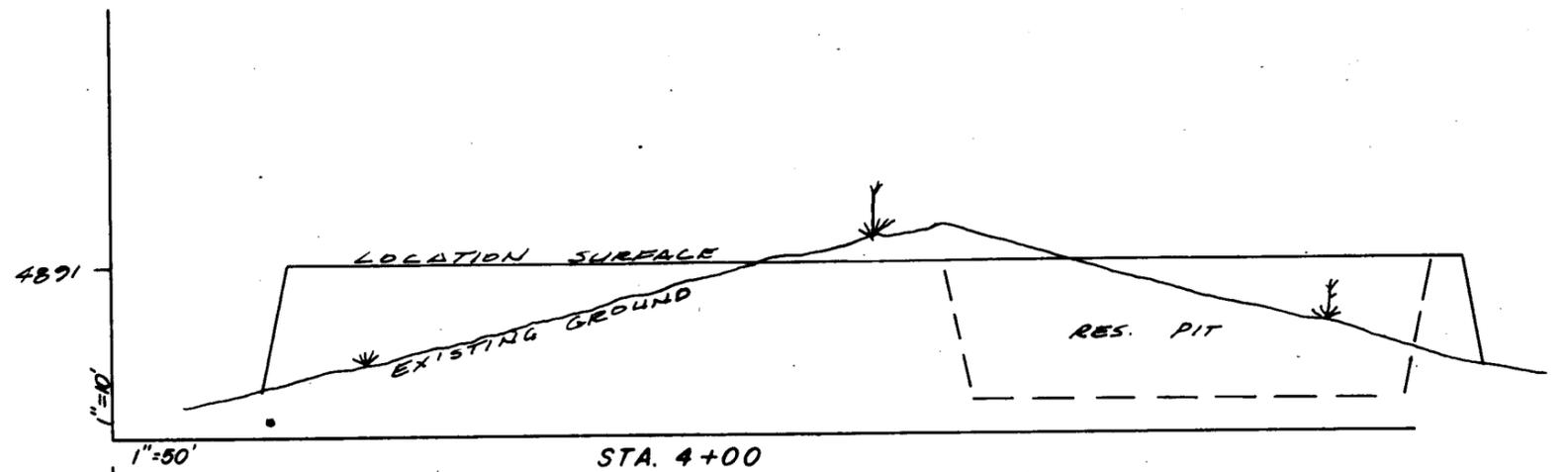
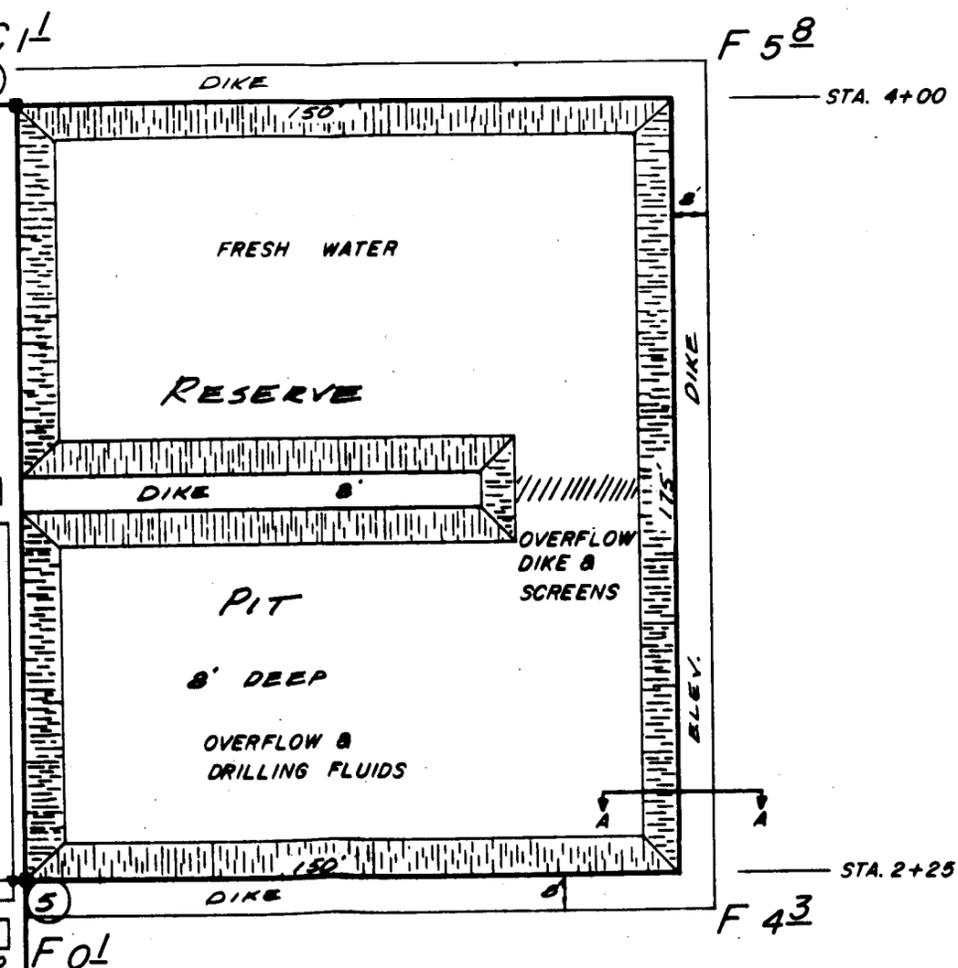
KEYWAY A-A

|  |  |
|--|--|
|  | <b>JERRY D. ALLRED &amp; ASSOCIATES</b><br>Surveying & Engineering Consultants     |
|  | 121 North Center Street<br>P.O. Drawer C<br>DUCHESNE, UTAH 84021<br>(801) 738-5352 |

# MAPCO, INC.

## FEDERAL 1-26A LAYOUT PLAT

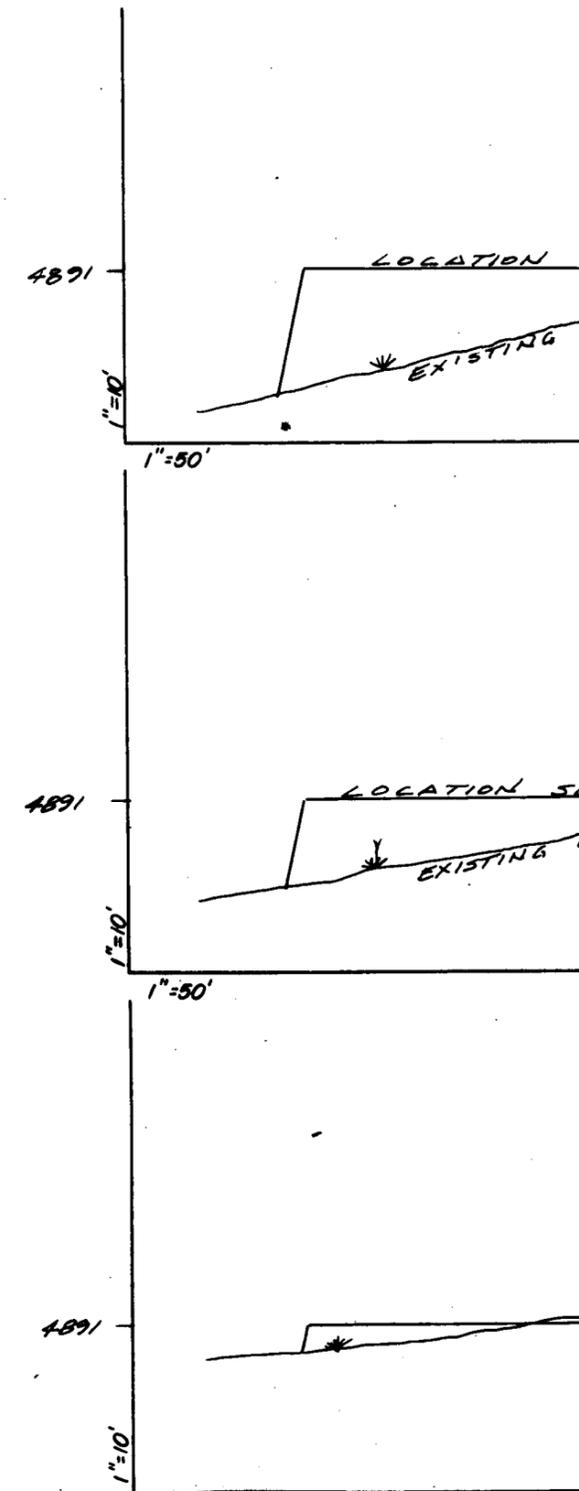
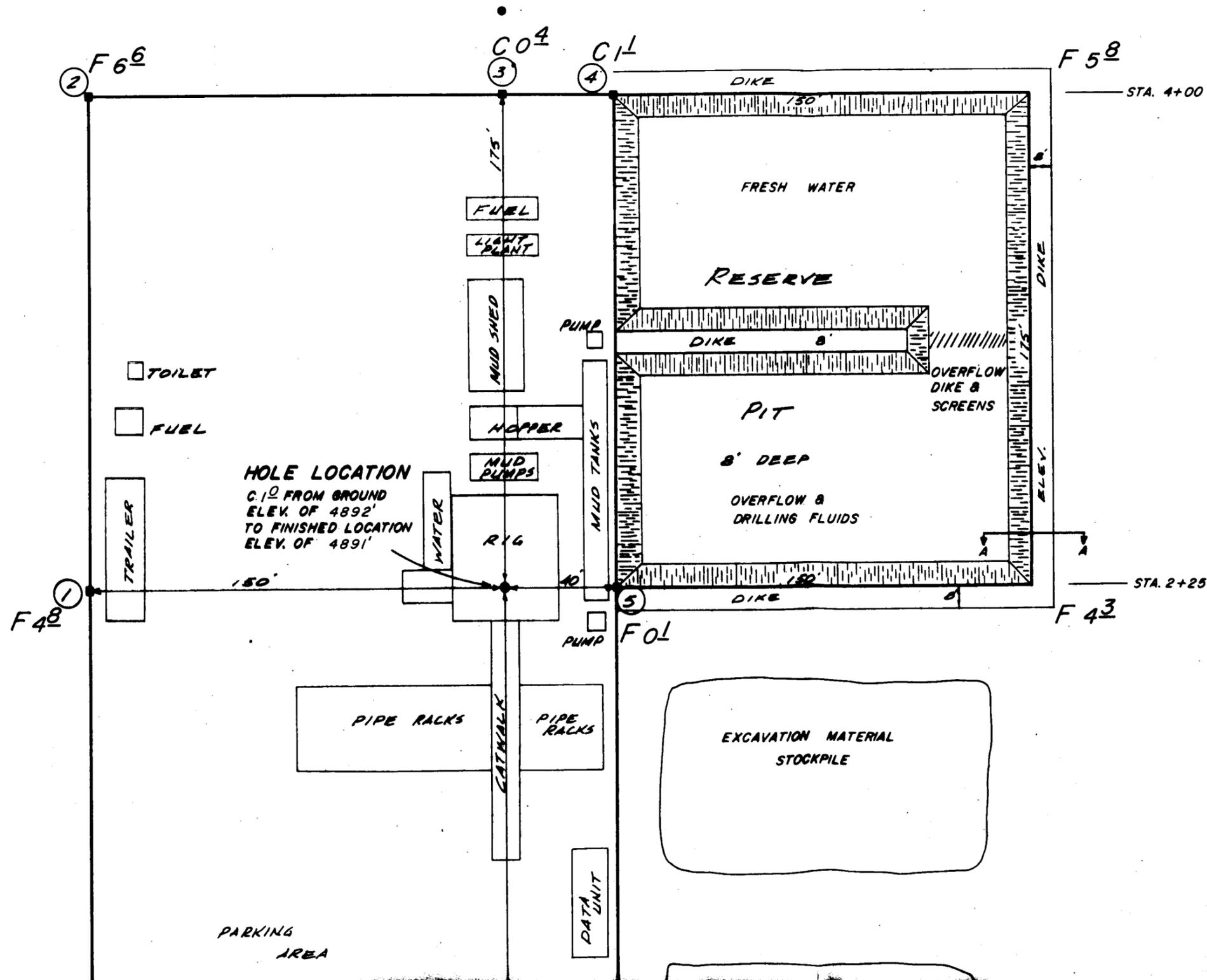
LOCATED IN THE NE 1/4 OF THE NE 1/4 OF  
SECTION 26, T95, R18E, S.4.B.3M.



# MAPCO, INC.

## FEDERAL 1-26A

### LAYOUT PLAT







# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

In Reply Refer To:  
3100  
U-01470-A et al  
(UT-932)

JUN 2 2000

### NOTICE

Dominion Exploration & Production, Inc. : Oil and Gas Leases  
1450 Poydras Street :  
New Orleans, LA 70112-6000 :

#### Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of CNG Producing Company to Dominion Exploration & Production, Inc. on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from your list of leases and a list of leases obtained from our automated records system. We have not abstracted the lease files to determine if the entity affected by the name change holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

The following lease on your list is closed on the records of this office: U-029277.

Due to the name change, the name of the principal on the bond is required to be changed from CNG Producing Company to Dominion Exploration & Production, Inc. on Bond No. 524 7050 (BLM Bond No. WY1898). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to the Wyoming State Office.

**/s/ Robert Lopez**

Robert Lopez  
Chief, Branch of  
Minerals Adjudication

Enclosure  
Exhibit of Leases

**RECEIVED**

JUN 05 2000

DIVISION OF  
OIL, GAS AND MINERAL

cc: Wyoming State Office  
New Mexico State Office  
Moab Field Office  
Vernal Field Office  
MMS-Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114-5801  
Irene Anderson (UT-932)  
Teresa Thompson (UT-931)  
LaVerne Steah (UT-942)

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

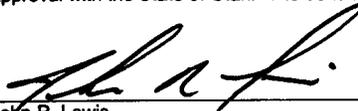
Do not use this form for proposals to drill new wells, deepen existing wells or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

|  |   |
|--|---|
| 1. Type of Well :<br>OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER:              | 5. Lease Designation and Serial Number:<br>VARIOUS    |
| 2. Name of Operator:<br>DOMINION EXPLORATION & PRODUCTION, INC.                                    | 6. If Indian, Allottee or Tribe Name:                 |
| 3. Address and Telephone Number:<br>1460 Poydras Street, New Orleans, LA 70112-6000 (504) 593-7260 | 7. Unit Agreement Name:                               |
| 4. Location of Well<br>Footages:<br>QQ, Sec. T., R., M.:   | 8. Well Name and Number:<br>VARIOUS                   |
|  | 9. API Well Number                                    |
|  | 10. Field and Pool, or Wildcat:<br>Natural Buttes 630 |
|  | County: UINTAH<br>State: UTAH                         |

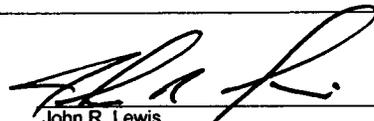
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA   |   |
|---|---|
| NOTICE OF INTENT<br>(SUBMIT IN DUPLICATE)   | SUBSEQUENT REPORT<br>(Submit Original Form Only)  |
| <input type="checkbox"/> Abandon<br><input type="checkbox"/> Repair Casing<br><input type="checkbox"/> Change of Plans<br><input type="checkbox"/> Convert to Injection<br><input type="checkbox"/> Fracture Treat or Acidize<br><input type="checkbox"/> Multiple Completion<br><input type="checkbox"/> Other _____ | <input type="checkbox"/> Abandon*<br><input type="checkbox"/> Repair Casing<br><input type="checkbox"/> Change of Plans<br><input type="checkbox"/> Convert to Injection<br><input type="checkbox"/> Fracture Treat or Acidize<br><input checked="" type="checkbox"/> Other <u>OPERATOR NAME CHANGE FOR WELLS</u> |
| <input type="checkbox"/> New Construction<br><input type="checkbox"/> Pull or Alter Casing<br><input type="checkbox"/> Recomplete<br><input type="checkbox"/> Reperforate<br><input type="checkbox"/> Vent or Flare<br><input type="checkbox"/> Water Shut-Off  | <input type="checkbox"/> New Construction<br><input type="checkbox"/> Pull or Alter Casing<br><input type="checkbox"/> Reperforate<br><input type="checkbox"/> Vent or Flare<br><input type="checkbox"/> Water Shut-Off   |
| Approximate date work will start _____  | Date of work completion _____   |
|   | Report results of Multiple Completion and Recompletion to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.<br><small>*Must be accompanied by a cement verification report.</small>  |

12. DESCRIBE PROPOSED OR COMPLETION OPERATIONS (Clearly State all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that effective April 12, 2000, CNG Producing Company has changed its name to Dominion Exploration & Production, Inc. and would like to transfer the well permits into the name of Dominion Exploration & Production, Inc. Our new bond has been filed and is pending approval with the State of Utah. The bond number is 76S 63050 361.

  
John R. Lewis  
Sr. Vice-President - CNG Producing Company

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JUN 29 2000  
DIVISION OF  
OIL, GAS AND MINING

13. Name & Signature:  Title: Sr. Vice-President - Dominion Expl. & Prod., Inc. Date: June 26, 2000  
John R. Lewis

(This space for State use only)

Dominion Exploration & Production, Inc.  
1450 Poydras Street, New Orleans, LA 70112-6000  
Phone: 504-593-7000



June 27, 2000

Mr. Jimmy Thompson  
Utah Board of Oil Gas & Mining  
1594 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

RE: Name Change Documentation for CNG Producing Company

Dear Mr. Thompson:

CNG Producing Company has become Dominion Exploration & Production, Inc. effective April 12, 2000. Enclosed please find a sundry regarding the name change with an attached listing of all the permits in the name of CNG Producing Company to be changed to Dominion Exploration & Production, Inc. Also enclosed please find a Form UIC 5 for the Transfer of Authority to Inject for the Federal #1-26B well.

If you have any questions or require any additional information, please contact me at (504) 593-7260.

Sincerely,

DOMINION EXPLORATION & PRODUCTION, INC.

Susan H. Sachitana  
Regulatory Reports Administrator

Enclosure

cc: Nelda Decker

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JUN 29 2000

DIVISION OF  
OIL, GAS AND MINING



State of Utah
DEPARTMENT OF COMMERCE
Division of Corporations & Commercial Code

552814
CO 106990
File Number

Table with 2 columns: Check Appropriate Box, Fee Amount. Includes Foreign Profit Corporation (\$35.00), Foreign Non-Profit Corporation (\$35.00), Foreign Limited Partnership (\$25.00), Foreign Limited Liability Company (\$35.00).

Application To Amend The
CERTIFICATE OF AUTHORITY OR
REGISTRATION of

CNG Producing Company
Business Entity Name

Delaware
Name of Home State

I. AMENDING THE BUSINESS NAME

The business name is changed to: Dominion Exploration & Production, Inc.
The corporation shall use as its name in Utah: Dominion Exploration & Production, Inc.

(The corporation shall use its name as set forth on #1, unless this state is not available)

NOTE: If the business name has changed its name in the home state, a copy of the Certificate of Amendment or a certified copy of the amendment must accompany this application.

Check the following:

- [X] The name of the corporation is changing its name in Utah to the new name of the corporation in the home state.
[] The name of the corporation is being changed in Utah to comply with Utah State Insurance Regulations.

II. AMENDING THE DURATION OF THE BUSINESS EXISTENCE

The businesses period of duration is changed to:

III. AMENDING THE STATE OR COUNTRY OF INCORPORATION/REGISTRATION

The corporation's state or country of incorporation/registration is changed to:

IV. Other:

(Limited Partnership changing General Partners, Limited Companies changing Members or Managers, Change of statement who is managing, etc.)
Use an attached sheet if needed.

Under penalties of perjury, I declare this Application to Amend the Certificate of Authority or Registration to be, to the best of my knowledge and belief, true and correct.

Signature: [Handwritten Signature] Title: Vice President & Corporate Secretary Date: April 20 2000

State of Utah
Department of Commerce
Division of Corporations and Commercial Code

I hereby certify that the foregoing has been filed and approved on this 25 day of April 2000 in the office of this Division and hereby issue this Certificate thereof.

Examiner: [Signature] Date: 4/25/00



Signature: [Signature] Name: JENSON

Date: 04/25/2000
Receipt Number: 22156
Amount Paid: \$60.00

STATE OF UTAH
DIVISION OF CORPORATIONS
AND COMMERCIAL CODE
160 East 300 South / Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Web Site: http://www.commerce.state.ut.us

FILED

APR 25 2000

| Well Name                     | Api Well Code | Operator Name             | Production Status | Lease Type |
|-------------------------------|---------------|---------------------------|-------------------|------------|
| AMY THORPE - USA 1            | 4303731283    | DOMINION EXPLORATION & PR | LA                | BLM        |
| KENNETH TAYLOR - USA 1        | 4303731284    | DOMINION EXPLORATION & PR | LA                | BLM        |
| TRUDI FED 2-17                | 4303731453    | DOMINION EXPLORATION & PR | PA                | BLM        |
| MAJOR MARTIN FED 1            | 4303731479    | DOMINION EXPLORATION & PR | PA                | BLM        |
| OSC #3 *                      | 4304730104    | DOMINION EXPLORATION & PR | PA                | BLM        |
| OSC #5-2 *                    | 4304730129    | DOMINION EXPLORATION & PR | PR                | STATE      |
| NATURAL #1-2 - R B u          | 4304730153    | DOMINION EXPLORATION & PR | PA                | BLM        |
| RBU #11-21E                   | 4304730414    | DOMINION EXPLORATION & PR | PA                | BLM        |
| RBU #11-36B                   | 4304730583    | DOMINION EXPLORATION & PR | DA                | STATE      |
| FEDERAL #1-26A                | 4304730716    | DOMINION EXPLORATION & PR | PA                | BLM        |
| FEDERAL #6-30B                | 4304730733    | DOMINION EXPLORATION & PR | PA                | BLM        |
| BARTON FEDERAL #1-26          | 4304731179    | DOMINION EXPLORATION & PR | PR                | BLM        |
| RBU #6-2D                     | 4304731190    | DOMINION EXPLORATION & PR | PR                | STATE      |
| RBU #16-2D                    | 4304731353    | DOMINION EXPLORATION & PR | PR                | STATE      |
| HILL CREEK FEDERAL #1-29 Hc u | 4304731522    | DOMINION EXPLORATION & PR | PR                | BLM        |
| RBU #10X-15E                  | 4304731551    | DOMINION EXPLORATION & PR | PA                | BLM        |
| HILL CREEK STATE #1-32        | 4304731560    | DOMINION EXPLORATION & PR | UNK               | STATE      |
| HILL CREEK FEDERAL #1-27      | 4304731675    | DOMINION EXPLORATION & PR | PR                | BLM        |
| RBU #11-31B                   | 4304731765    | DOMINION EXPLORATION & PR | LA                | BLM        |
| STATE #4-36E                  | 4304731777    | DOMINION EXPLORATION & PR | PR                | STATE      |
| SADDLE TREE DRAW 4-31         | 4304731780    | DOMINION EXPLORATION & PR | LA                | BLM        |
| SADDLE TREE DRAW 16-31        | 4304731781    | DOMINION EXPLORATION & PR | LA                | BLM        |
| SADDLE TREE DRAW 13-34        | 4304731782    | DOMINION EXPLORATION & PR | LA                | BLM        |
| STATE #12-36E                 | 4304731784    | DOMINION EXPLORATION & PR | LA                | STATE      |
| RBU #3-10D                    | 4304731832    | DOMINION EXPLORATION & PR | PA                | BLM        |
| RBU #16-19C                   | 4304731841    | DOMINION EXPLORATION & PR | DA                | BLM        |
| EVANS FEDERAL #3-25           | 4304731878    | DOMINION EXPLORATION & PR | PR                | BLM        |
| EVANS FEDERAL #41-26          | 4304731879    | DOMINION EXPLORATION & PR | PR                | BLM        |
| STATE #11-36E                 | 4304732019    | DOMINION EXPLORATION & PR | PR                | STATE      |
| RBU #7-13E                    | 4304732051    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #7-18F                    | 4304732104    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #15-15F                   | 4304732109    | DOMINION EXPLORATION & PR | LA                | BIA        |
| RBU #7-15F                    | 4304732111    | DOMINION EXPLORATION & PR | LA                | BIA        |
| RBU #7-23E                    | 4304732125    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #6-19F                    | 4304732126    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #3-17F                    | 4304732127    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #15-10E                   | 4304732139    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #3-15F                    | 4304732140    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #3-3E                     | 4304732152    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #5-24E                    | 4304732154    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #5-17F                    | 4304732165    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #15-13E                   | 4304732167    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #3-19FX                   | 4304732216    | DOMINION EXPLORATION & PR | LA                | BLM        |
| STATE 2-32B                   | 4304732221    | DOMINION EXPLORATION & PR | PR                | STATE      |
| STATE #5-36B                  | 4304732224    | DOMINION EXPLORATION & PR | PR                | STATE      |
| FEDERAL #13-26B               | 4304732237    | DOMINION EXPLORATION & PR | PR                | BLM        |
| STATE #9-36B                  | 4304732249    | DOMINION EXPLORATION & PR | PR                | STATE      |
| RBU #11-21F                   | 4304732262    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #4-15F                    | 4304732269    | DOMINION EXPLORATION & PR | PA                | BIA        |
| RBU #1-3E                     | 4304732272    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #16-9E                    | 4304732273    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #3-10E                    | 4304732291    | DOMINION EXPLORATION & PR | PA                | BLM        |
| RBU #7-23E                    | 4304732294    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #13-19F2                  | 4304732311    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #12-2F                    | 4304732316    | DOMINION EXPLORATION & PR | LA                | STATE      |
| RBU #7-20E                    | 4304732332    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #13-34B                   | 4304732334    | DOMINION EXPLORATION & PR | PA                | BLM        |
| RBU #9-20E                    | 4304732335    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #7-19F                    | 4304732360    | DOMINION EXPLORATION & PR | LA                | BLM        |
| RBU #13-23F                   | 4304732361    | DOMINION EXPLORATION & PR | LA                | BLM        |
| EVANS FEDERAL #12-25A         | 4304732394    | DOMINION EXPLORATION & PR | PR                | BLM        |
| EVANS FEDERAL #32-26          | 4304732395    | DOMINION EXPLORATION & PR | PR                | BLM        |
| STATE #2-36E                  | 4304732404    | DOMINION EXPLORATION & PR | LA                | STATE      |
| STATE #9-36E                  | 4304732405    | DOMINION EXPLORATION & PR | LA                | STATE      |

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JUN 29 2000

DIVISION OF

OPERATOR CHANGE WORKSHEET

|         |                     |
|---------|---------------------|
| 1-GLH   | 4-KAS ✓             |
| 2-CDW ✓ | 5- <del>CDW</del> ✓ |
| 3-JLT ✓ | 6-FILE              |

Check each listed item when completed. Write N/A if item is not applicable.

Change of Operator (Well Sold)                      Designation of Agent  
**X Operator Name Change Only**                              Merger

The operator of the well(s) listed below has changed, effective: 4-12-00

**TO:**(New Operator) DOMINION EXPL & PROD INC.  
 Address: 1450 POYDRAS STREET  
NEW ORLEANS, LA 70112-6000  
 Phone: 1-(504)-593-7000  
 Account No. N1095

**FROM:**(Old Operator) CNG PRODUCING COMPANY  
 Address: 1450 POYDRAS STREET  
NEW ORLEANS, LA 70112-6000  
 Phone: 1-(504)-593-7000  
 Account No. N0605

| WELL(S):                            | CA Nos.                  | or                   | Unit                                     |
|-------------------------------------|--------------------------|----------------------|--|
| Name: <u>FEDERAL 1-26A</u>          | API: <u>43-047-30716</u> | Entity: <u>9035</u>  | <u>S 26 T 09S R 18E Lease: U-19266</u>   |
| Name: <u>FEDERAL 6-30B</u>          | API: <u>43-047-30733</u> | Entity: <u>7055</u>  | <u>S 30 T 09S R 19E Lease: U-37246-A</u> |
| Name: <u>BARTON FEDERAL 1-26</u>    | API: <u>43-047-31179</u> | Entity: <u>8005</u>  | <u>S 26 T 10S R 19E Lease: U-43156</u>   |
| Name: <u>SADDLE TREE DRAW 4-31</u>  | API: <u>43-047-31780</u> | Entity: <u>99998</u> | <u>S 31 T 10S R 23E Lease: U-57596</u>   |
| Name: <u>SADDLE TREE DRAW 16-13</u> | API: <u>43-047-31781</u> | Entity: <u>99998</u> | <u>S 31 T 10S R 23E Lease: U-57596</u>   |
| Name: <u>SADDLE TREE DRAW 13-34</u> | API: <u>43-047-31782</u> | Entity: <u>99998</u> | <u>S 34 T 10S R 23E Lease: U-57598</u>   |
| Name: <u>EVANS FEDERAL 3-25</u>     | API: <u>43-047-31878</u> | Entity: <u>11106</u> | <u>S 25 T 10S R 19E Lease: U-43156</u>   |
| Name: <u>EVANS FEDERAL 41-26</u>    | API: <u>43-047-31879</u> | Entity: <u>11034</u> | <u>S 26 T 10S R 19E Lease: U-43156</u>   |

OPERATOR CHANGE DOCUMENTATION

- YES 1. A pending operator change file has been set up.
- YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 6-29-00.
- YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 6-29-00.
- YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? **Yes/No** If yes, the company file number is **SEE ATTACHED**. If no, Division letter was mailed to the new operator on \_\_\_\_\_.
- YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the merger, **name change** or operator change for all wells listed above involving Federal or Indian leases on 6-2-00.
- N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on \_\_\_\_\_.
- N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on \_\_\_\_\_.

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N/A 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.

YES 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 7-19-00.

YES 10. Changes have been included on the **Monthly Operator Change letter** on 7-19-00.

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### STATE BOND VERIFICATION

N/A 1. State Well(s) covered by Bond No. \_\_\_\_\_.

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### FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION

N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.

N/A 2. A **copy of this form** has been placed in the **new and former operator's bond files** on \_\_\_\_\_.

N/A 3. The **FORMER** operator has requested a release of liability from their bond as of today's date \_\_\_\_\_? If yes, Division response was made to this request by letter dated \_\_\_\_\_. (see bond file).

N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_, of their responsibility to notify all interest owners of this change.

N/A 5. Bond information added to **RBDMS** on \_\_\_\_\_.

N/A 6. Fee wells attached to bond in **RBDMS** on \_\_\_\_\_.

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### FILMING

\_\_\_\_ 1. All attachments to this form have been **microfilmed** on 2-23-01.

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### FILING

\_\_\_\_ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file**.

\_\_\_\_ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.

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### COMMENTS

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