

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED OIL WELL SUB. REPORT/abd. _____

DATE FILED 4-17-81

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-44749 INDIAN _____

DRILLING APPROVED: 4-24-81

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: LOCATION ABANDONED well never drilled June 1, 81

FIELD: Wildcat 3/86 Eight Mile Flat North

UNIT: _____

COUNTY: Uintah

WELL NO. Federal #15-24A API NO. 43-047-30930

LOCATION 535 FT. FROM W (S) LINE. 2129 FT. FROM (E) XX LINE. SW SE 1/4 - 1/4 SEC. 24

| TWP. | RGE. | SEC. | OPERATOR | TWP. | RGE. | SEC. | OPERATOR |
|------|------|------|----------|------|------|------|----------|
|------|------|------|----------|------|------|------|----------|

| | | | | | | | |
|--|--|--|--|-----------|------------|-----------|-----------------------------|
| | | | | <u>9S</u> | <u>18E</u> | <u>24</u> | <u>MAPCO PRODUCTION CO.</u> |
|--|--|--|--|-----------|------------|-----------|-----------------------------|

15

**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 Co.

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 2129' FEL & 535' FSL SW SE Sect. 24, T. 9 S., R. 18 E.
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 20 miles south of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 535'

16. NO. OF ACRES IN LEASE
 280

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

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

19. PROPOSED DEPTH
 5550' *WAF*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4905' G.L.

22. APPROX. DATE WORK WILL START*
 Summer 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-44749
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 9. WELL NO.
 Fed 15-24A
 10. FIELD AND POOL, OR WILDCAT
 Sheep Wash *Wildcat*
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 24, T. 9 S., R. 18 E.
 12. COUNTY OR PARISH
 Uintah
 13. STATE
 UT

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12-1/4" | 8-5/8" | 24# K-55 | 400' | Cmt to surface |
| 7-7/8" | 5-1/2" | 15.5# K-55 | 5550' | Cmt to surface |

1. Drill a 12-1/4" hole with an air rig to 400'. Run 8-5/8" K-55 casing and cement to surface.
2. NU and pressure test BOP stack prior to drilling out below surface pipe.
3. Test pipe rams daily and blind rams as possible.
4. Drill a 7-7/8" hole to 5550' with a fresh water mud system. No cores are planned. DST's will be run as needed to evaluate unexpected shows.
5. Run logs. Set 5-1/2", 15.5# K-55 casing. Casing program may be modified to provide added burst strength if needed for frac program.
6. Primary zone of interest is the Green River section.
7. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.

SEE BACK FOR LOG TOPS

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 Bauman TITLE Engineering Tech. DATE 3-17-81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

**APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING**
 DATE: 4-17-81
 BY: M. J. Minder

*See Instructions On Reverse Side

2

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.

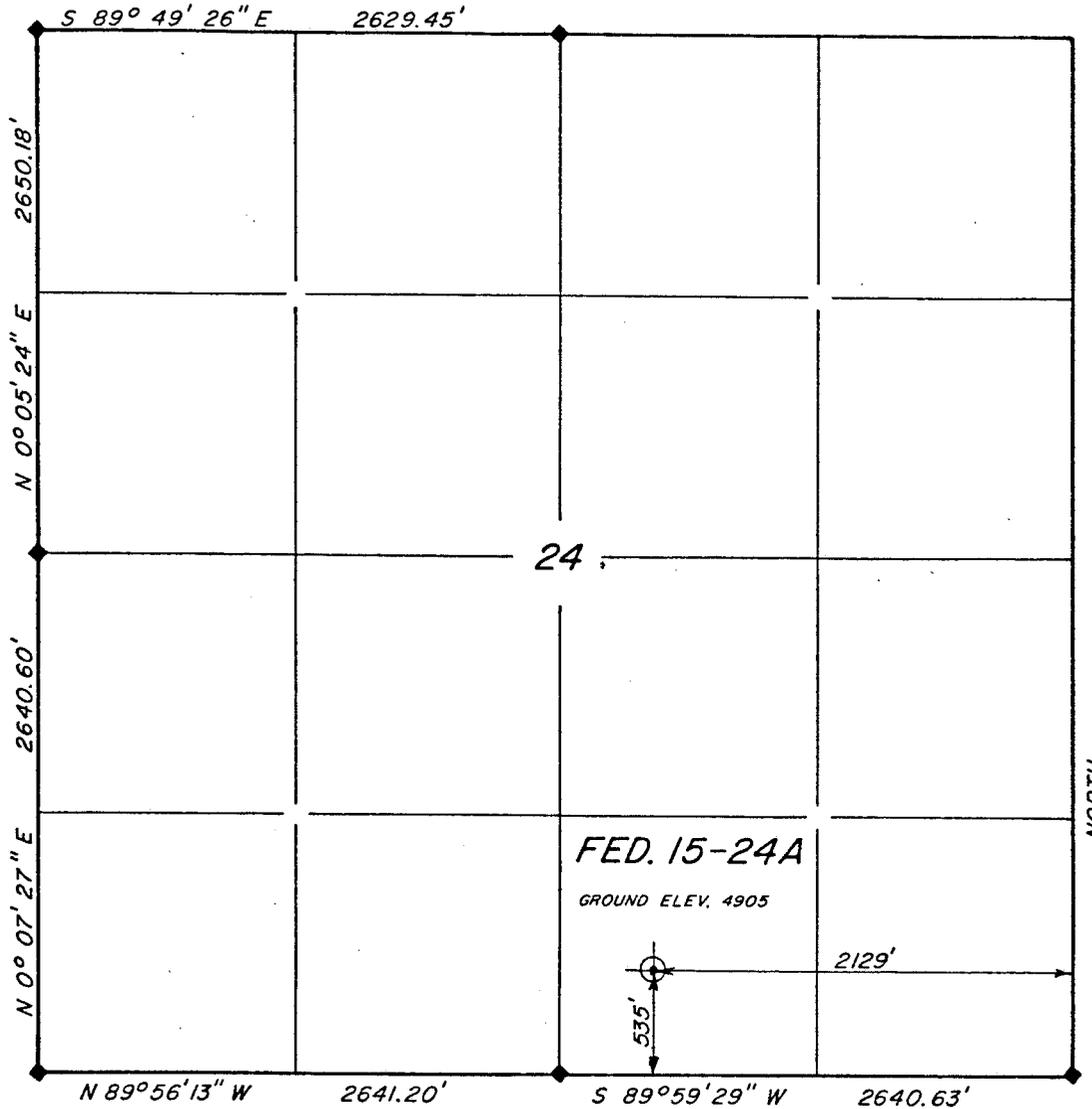
Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

LOG TOPS:

| | |
|-------------|-------|
| Green River | 1821' |
| Wasatch | 5467' |

MAPCO, INC.
WELL LOCATION PLAT
FEDERAL 15-24A

SEP 15 1980
 Located in the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of
 Section 24, T9S, R18E, S. L. B. & M.



SCALE: 1"=1000'

Exhibit A.

LEGEND & NOTES

- ◆ Found original corner monuments used for this survey.

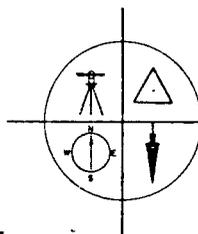
The General Land Office Plat was used for reference and calculations.

SURVEYOR'S CERTIFICATE

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

Jerry D. Allred

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



JERRY D. ALLRED & ASSOCIATES
 Surveying & Engineering Consultants

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

10 SEPT. '80

79-128-051

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

Attached to Form 9-331C

Company: MAPCO PRODUCTION COMPANY

Well: Fed. 15-24A

Well Location: 2129' FEL & 535' FSL SW SE

Section 24, T. 9 S., R. 18 E.

County: Uintah State: UT

1. Geologic Surface Formation

UINTAH

2. Estimated Important Geologic Markers

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| Uintah | Surface |
| Green River | 1821' |
| Wasatch | 5467' |

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

| <u>Formation</u> | <u>Depth</u> | <u>Remarks</u> |
|--------------------|--------------|----------------|
| Green River I zone | 4207 | Oil |
| Green River K zone | 4469 | Oil |
| Green River Tongue | 5301 | Oil |

4. The Proposed Casing Program

| <u>SIZE OF CASING</u> | <u>WEIGHT & GRADE</u> | <u>SETTING DEPTH</u> | <u>QUANTITY OF CEMENT</u> |
|-----------------------|---------------------------|----------------------|---------------------------|
| 8-5/8" | 24# K-55 | 400' | Cmt to surface |
| 5-1/2" | 15.5# K-55 | 5550' | 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, SFL
- 2) FDC-CNL-GR,

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

9. Any Anticipated Abnormal Pressures or Temperatures Expected

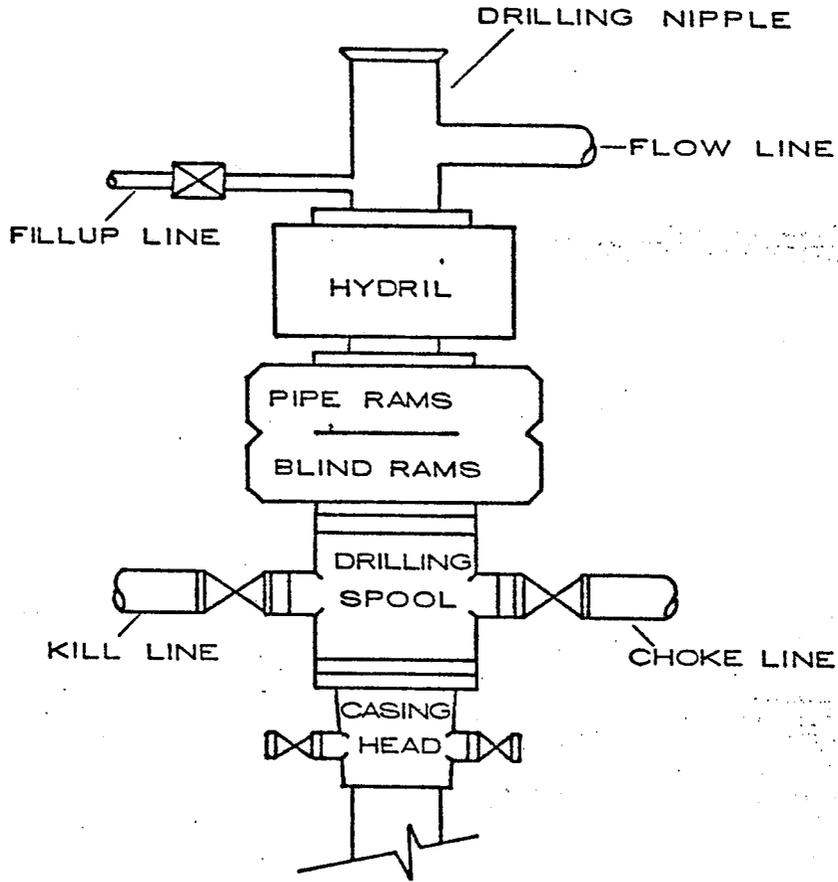
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H₂S gas.

10. The Anticipated Starting Date and Duration of the Operations

Starting Date: Summer 1981

Duration: 15-20 Days

BOP STACK



CHOKE MANIFOLD

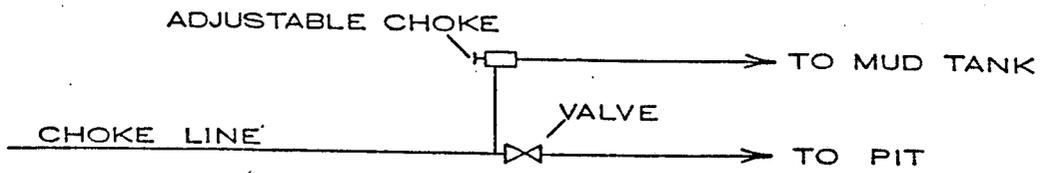


FIGURE 1

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: Fed 15-24A

WELL LOCATION: 2129' FEL and 535' FSL

Section SW SE Sec. 24, T. 9 S., R. 18 E.

County: Uintah State: UT

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 1800' will be needed to reach the location from the existing road as shown in Exhibit B.
- D. All existing roads are shown on Exhibits B & D.
- 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: One Fed 11-26A
3. Temporarily abandoned wells: None
4. Disposal wells: None
5. Drilling wells: None
6. Producing wells: One Fed 7-25A
7. Shut-in wells: None
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: Fed 7-25A
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 will be hauled from Parette Draw, located in Sec. 35, T9S, R18E, permit No. 54802 49-368, or other locations under this permit.
- 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 NW side of the area as shown. The access road will be from the NW. 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 on a low ridge with large relatively flat areas toward the north and south.

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):
None. Archeological Environmental Research Corp. Project #81-2.

12. Lessee's or Operator's Representative

James D. Holliman
Manager of Operations
MAPCO Production Company
Alpine Executive Center
1643 Lewis Ave., Suite 202
Billings, Montana 59102

or

Darwin Kulland
District Superintendent
MAPCO Production Company
P.O. Box 1360
Roosevelt, Utah 84066

Phone: (406) 248-7406
or
(406) 656-8435

Phone : (801) 722-4521

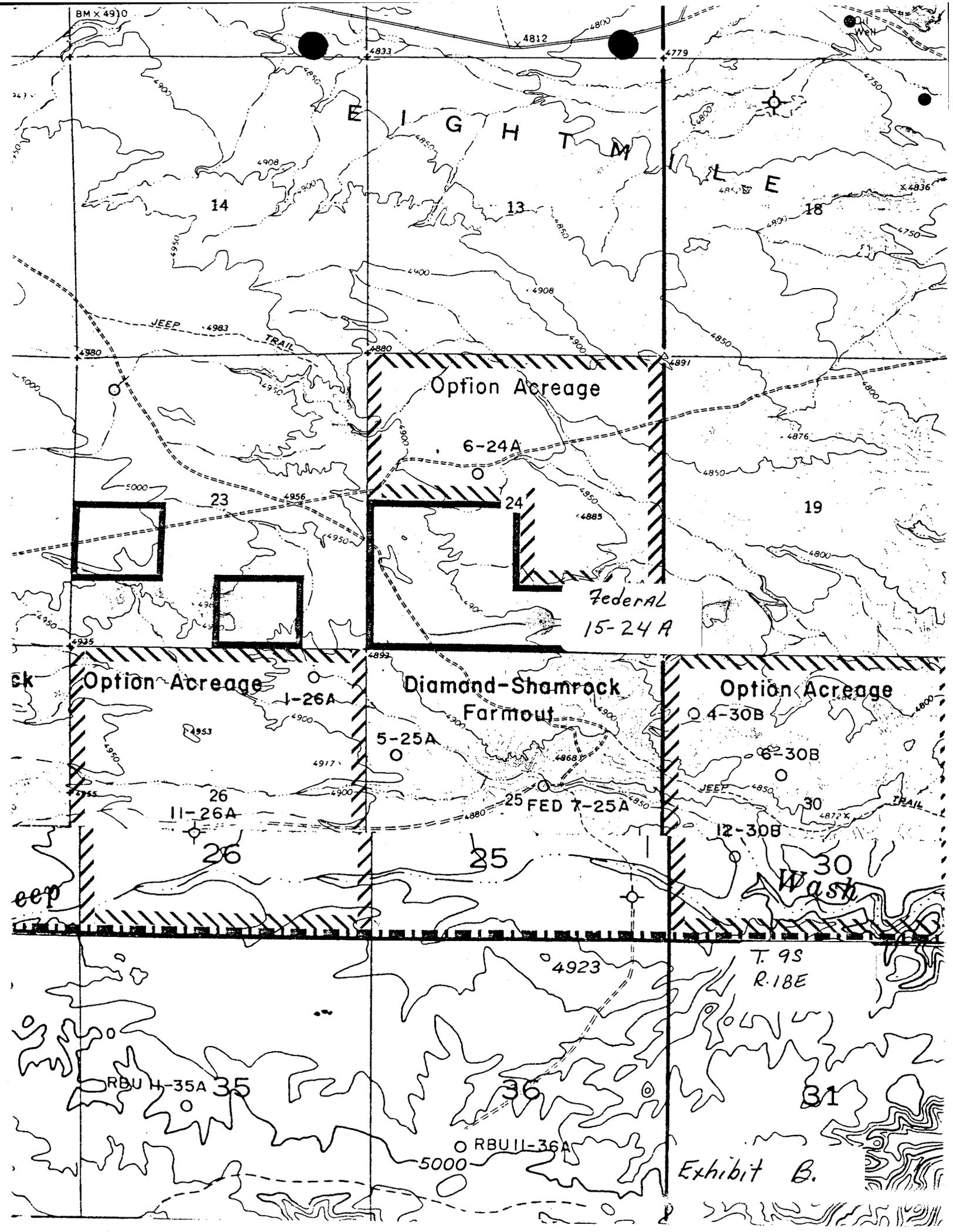
13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the condition which presently exists; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by MAPCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

March 17, 1981
DATE


NAME

Manager of Operations
TITLE



BM X 4910

EIGHT MILE LAKE

Option Acreage

6-24A

Federal
15-24A

Option Acreage

Diamond-Shamrock
Farmout

Option Acreage

1-26A

5-25A

4-30B

11-26A

25 FED 7-25A

12-30B

26

25

30
Wash

RBU H-35A

36

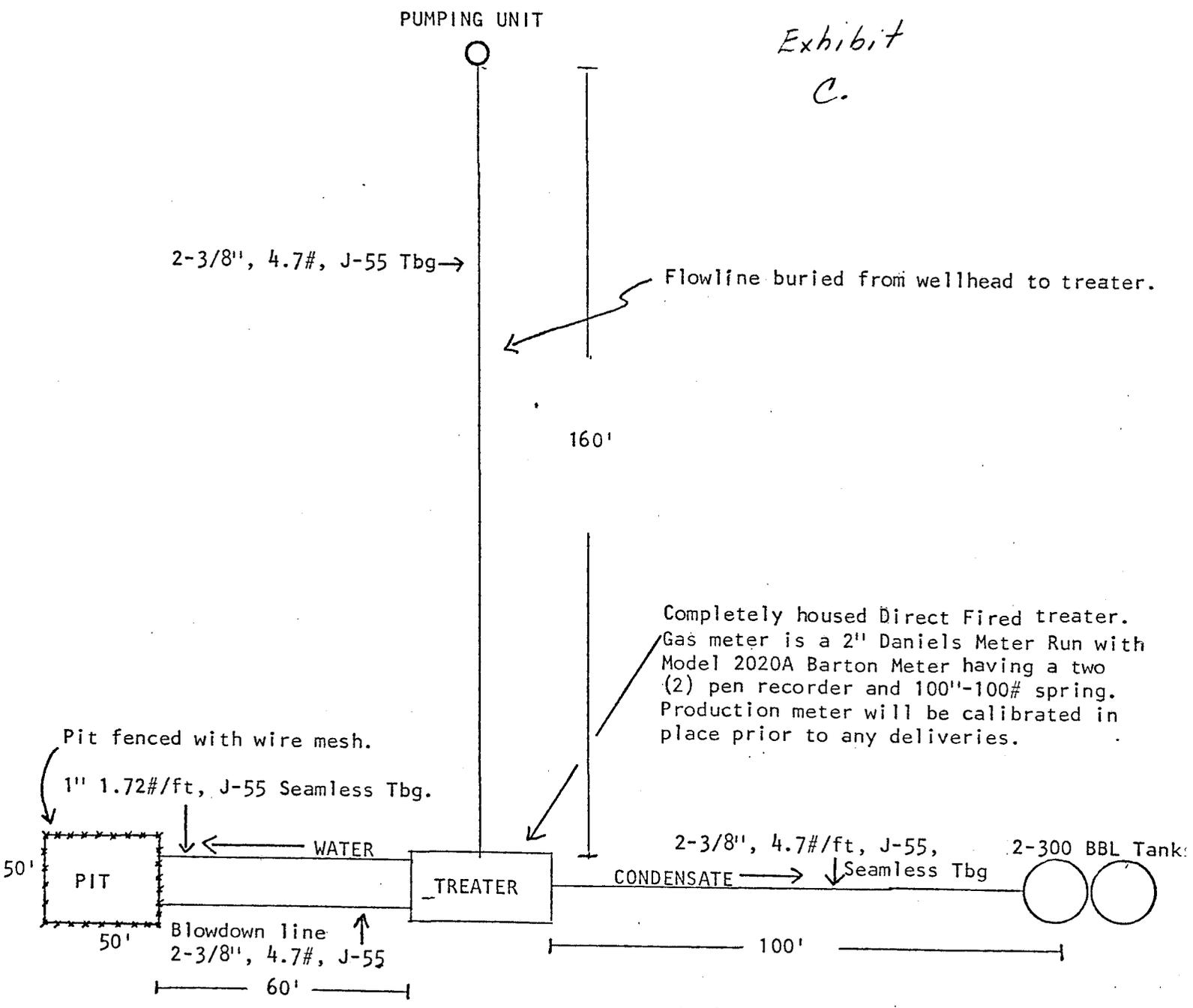
31

RBU H-36A

Exhibit B.

T. 9S
R. 18E

Exhibit
C.



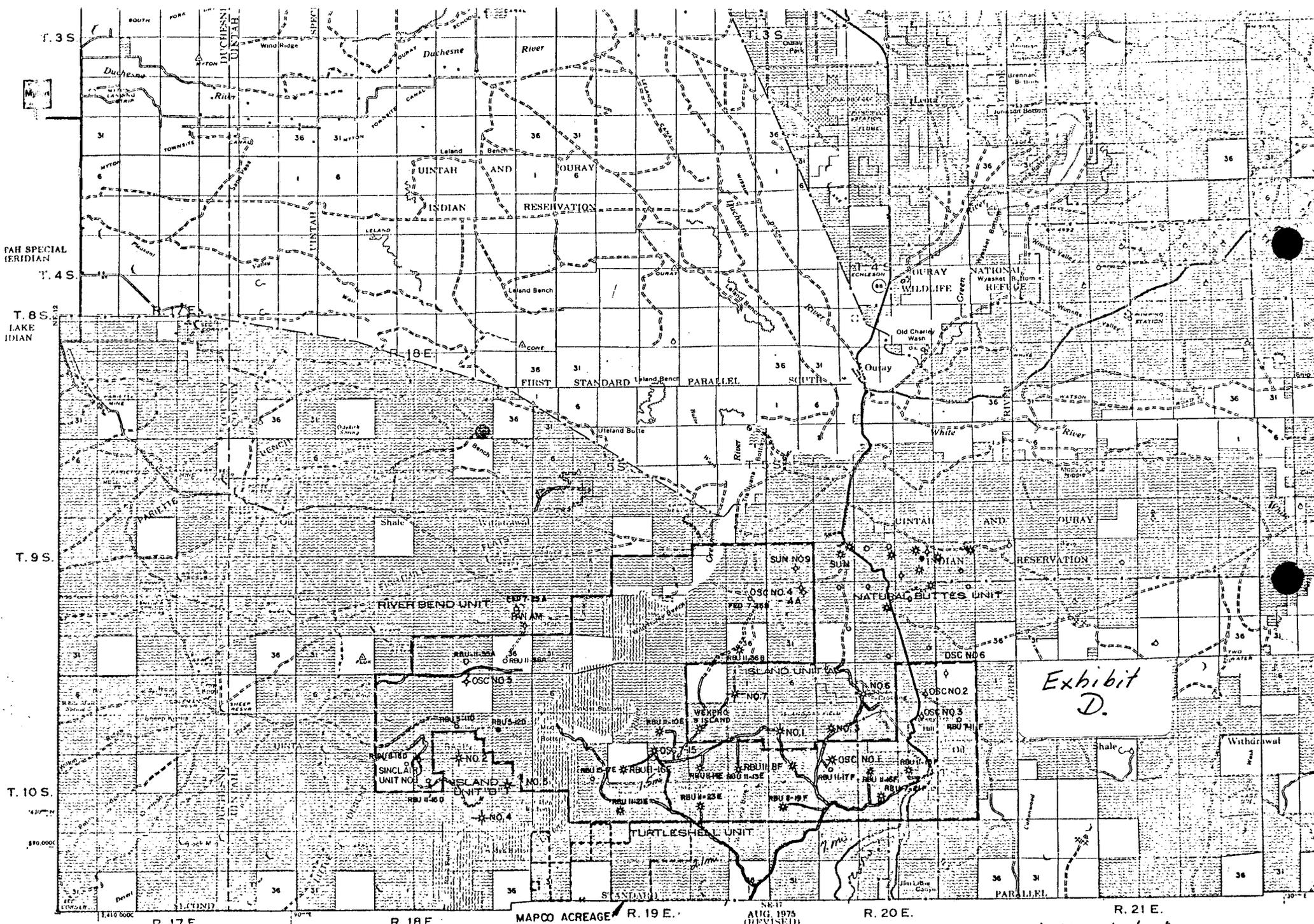


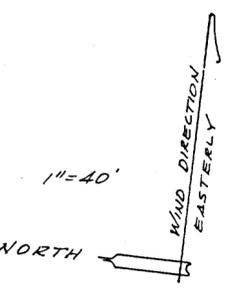
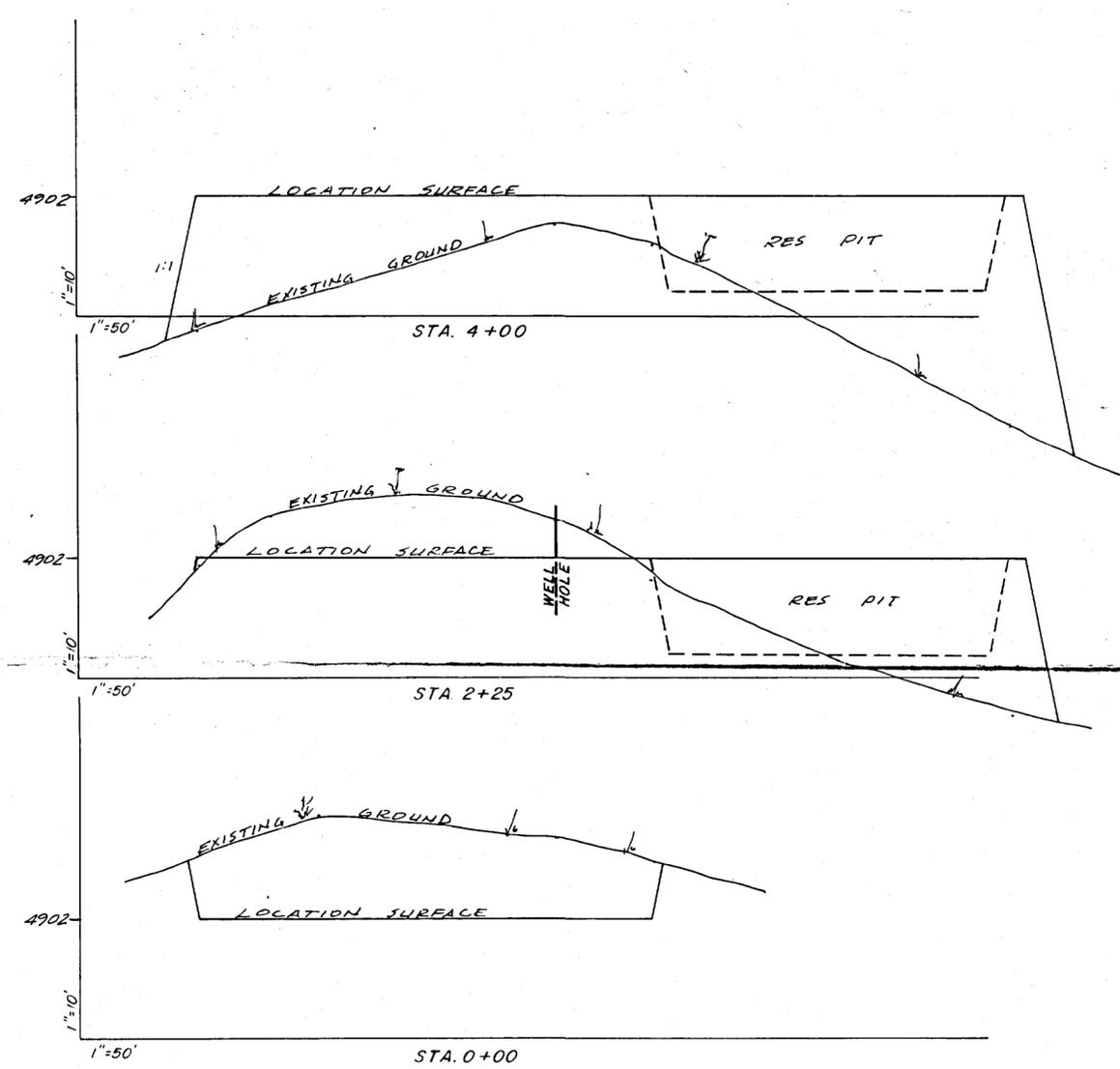
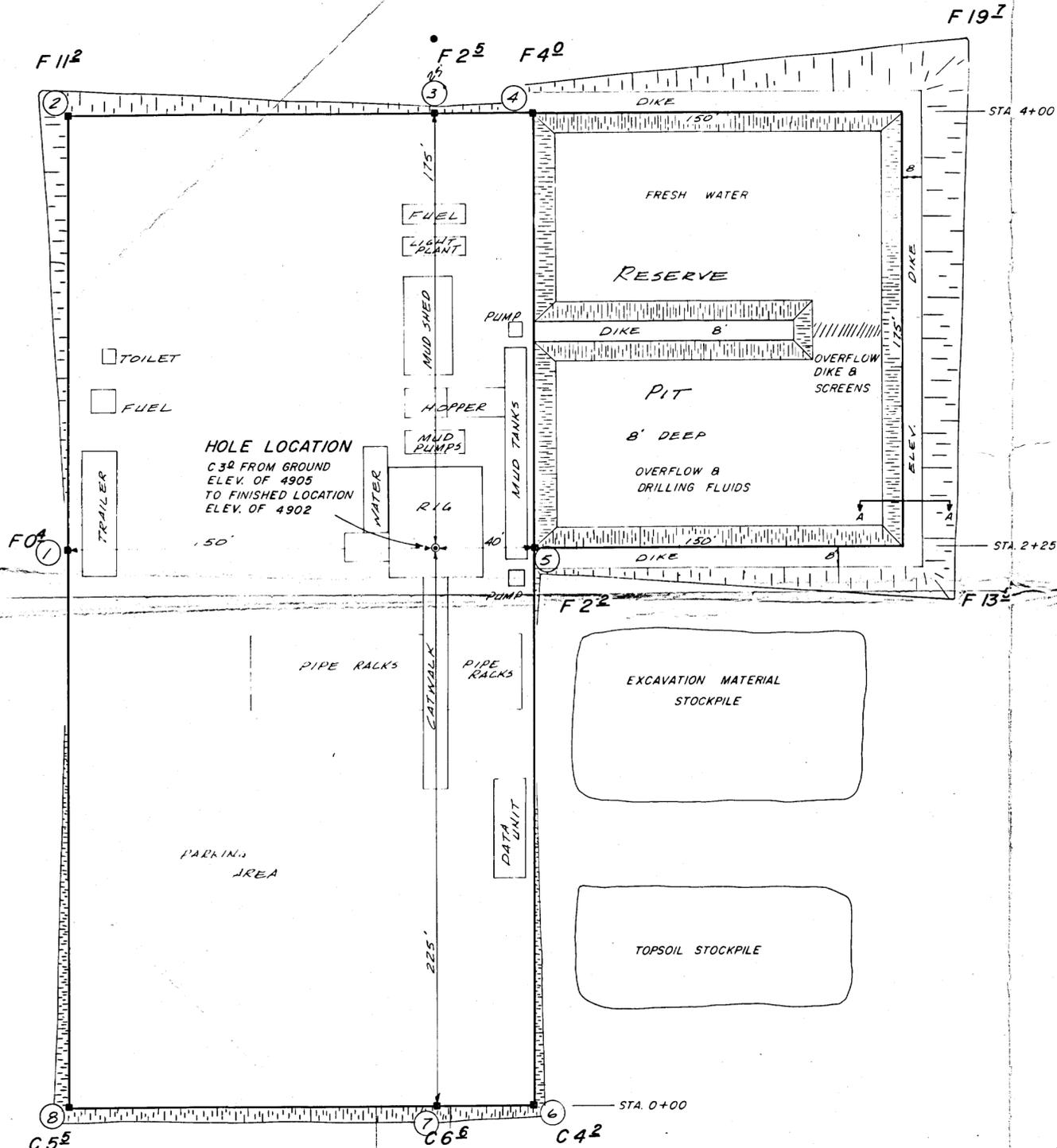
Exhibit
D.

MAPCO, INC.

LAYOUT PLAT

FEDERAL 15-24A

LOCATED IN THE SW 1/4 OF THE SE 1/4 OF SECTION 24, T9S, R1E, S.L.B. & M.



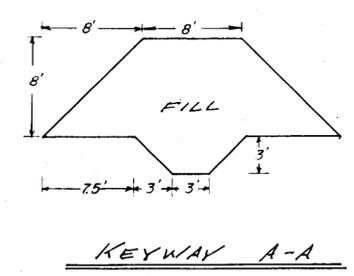
NOTES

The location is located on a low ridge with large relatively flat areas toward the North and South. The soil is weathered sandstone and shale.

APPROXIMATE QUANTITIES

CUT: 10,350 CU. YDS.

FILL: 9,400 CU. YDS.



1"=40'

Exhibit E

10 SEPT '80 79-128-051

JERRY D. ALLRED & ASSOCIATES
 Surveying & Engineering Consultants
 121 North Center Street
 P.O. Drawer C
 DUCHESNE, UTAH 84021
 (801) 738-5352

R

** FILE NOTATIONS **

DATE: March 31, 1981
OPERATOR: Mapco Production Co.
WELL NO: Federal 15-24A
Location: Sec. 24 T. 9S R. 18E County: Wintaw

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

API Number 43-047-30930

CHECKED BY:

Petroleum Engineer: M. J. Minder 4-17-81
As an oil well only.

Director: _____

Administrative Aide: OK as per C-3 spacing; OK on bndrys.
OK on any other oil & gas wells.

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

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

Lease Designation Fed Plotted on Map

Approval Letter Written

Hot Line P.I.

April 24, 1981

Mapco Production Company
1643 Lewis Ave., Suite 202
Billings, Montana 59102

Re: Well No. Federal 15-24A
Sec. 24, T. 9S, R. 18E, SW SE
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. Please be advised that this is approved to be completed as an oil well only.

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 number assigned to this well is 43-047-30930.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



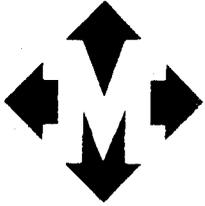
Michael T. Minder
Petroleum Engineer

MTM/ko
cc: USGS

May 28, 1981

As reported by Mapco Production Company, on the above date, the following locations will not be drilled.

- 1) Well No. Federal 1-25A
Sec. 25, T. 9S, R. 18E,
Uintah County, Utah
- 2) Well No. Federal 3-25A
Sec. 25, T. 9S, R. 18E
Uintah County, Utah
- 3) Well No. Federal 9-25A
Sec. 25, T. 9S, R. 18E
Uintah County, Utah
- 4) Well No. Federal 11-25A
Sec. 25, T. 9S, R. 18E
Uintah County, Utah
- 5) Well No. Federal 13-25A
Sec. 25, T. 9S, R. 18E
Uintah County, Utah
- 6) Well No. Federal 15-25A
Sec. 25, T. 9S, R. 18E,
Uintah County, Utah
- 7) Well No. Federal 11-24A
Sec. 24, T. 9S, R. 18E,
Uintah County, Utah
- 8) Well No. Federal 13-24A
Sec. 24, T. 9S, R. 18E
Uintah County, Utah
- 9) Well No. Federal 15-24A
Sec. 24, T. 9S, R. 18E
Uintah County, Utah
- 10) Well No. River Bend Unit 8-31C
Sec. 31, T. 9S, R. 20E,
Uintah County, Utah



MAPCO

PRODUCTION COMPANY

June 1, 1981

State of Utah
Dept of Natural Resources
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

OIL GAS & MINING
DIVISION OF

JUN 5 1981

[Handwritten signature]

Attn: Debbie

Dear Debbie;

Upon your request, I have listed the wells and status of each:

| <u>Well Name</u> | <u>Location</u> | <u>Status</u> |
|------------------|--------------------|----------------|
| Fed 12-30B | Sec 30, T9S, R19E | Will Not Drill |
| RBU 7-36B | Sec 36, T9S, R19E | " " " |
| RBU 11X-36B | Sec 36, T9S, R19E | " " " |
| RBU 11-24B | Sec 24, T9S, R19E | " " " |
| RBU 5-12D | Sec 12, T10S, R18E | Plan to Drill |
| RBU 11-19C | Sec 19, T9S, R20E | " " " |
| RBU 11-30C | Sec 30, T9S, R20E | Will Not Drill |
| RBU 11-15D | Sec 15, T10S, R18E | " " " |
| RBU 11-15E | Sec 15, T10S, R19E | " " " |
| RBU 1-16E | Sec 16, T10S, R19E | " " " |
| RBU 9-16E | Sec 16, T10S, R19E | " " " |
| RBU 2-11D | Sec 11, T10S, R18E | Plan to Drill |
| RBU 11X-2F | Sec 2, T10S, R20E | Will Not Drill |
| RBU 8-31C | Sec 31, T9S, R20E | " " " |
| Fed 1-25A | Sec 25, T9S, R18E | " " " |
| Fed 3-25A | Sec 25, T9S, R18E | " " " |
| Fed 9-25A | Sec 25, T9S, R18E | " " " |
| Fed 11-25A | Sec 25, T9S, R18E | " " " |
| Fed 13-25A | Sec 25, T9S, R18E | " " " |
| Fed 15-25A | Sec 25, T9S, R18E | " " " |
| Fed 11-24A | Sec 24, T9S, R18E | " " " |
| Fed 13-24A | Sec 24, T9S, R18E | " " " |
| Fed 15-24A | Sec 24, T9S, R18E | " " " |

June 1, 1981
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If there is any more information I can give you please let me know.

Very truly yours,

MAPCO Production Company

Dick Baumann

Dick Baumann
Engineering Technician

REB/jlu

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OIL, GAS & MINING