

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

MWJ Producing Company

3. ADDRESS OF OPERATOR

1804 First National Bank Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 660' FNL & 1980' FEL of Sec. 7, T-17S, R-28E

At proposed prod. zone NW/4 of NE/4 Sec. 7

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 miles east of Artesia, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

120

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

1600'

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

3487.0' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--|
| 11" | 8 5/8" | 24# | 400' | Circulate to surface |
| 7 7/8" | 4 1/2" | 11.6# | 1600' | sufficient volume to have cement 400' above top of pay. |

Drill well with Cable Tools to 1600' or to test the Penrose formation which ever is less.
At TD run 4 1/2" casing and cement, if warranted by samples and logs. Run Gamma Ray
Neutron cased hole logs if warranted by samples.
Completion to be through casing perforations with acid or frac treatment as necessary.

Mud Program: None

BOP: None

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ARTESIA, NEW MEXICO

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

A. K. Meek

TITLE Agent

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

30-015-23424

5. LEASE DESIGNATION AND SERIAL NO.

NM 12110

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hart Canyon Federal #

9. WELL NO.

1501

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 7, T-17S, R-28E

12. COUNTY OR PARISH

13. STATE

Eddy

New Mexico

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Cable Tools

22. APPROX. DATE WORK WILL START*

July 10, 1980

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 submitted. The required information should be submitted on this reverse side.

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.

☆ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-398

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DEPT

DRIFT

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LWM Producing Company

1804 First National Bank Building, Midland, Texas - 79701

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NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-112
Supersedes C-112
Effective 1-1-85

All distances must be from the outer boundaries of the Section

| | | | | |
|---|---------------------------------------|---|--------------------------------|-----------------------|
| Operator M W J Producing Co. | | Well Name Hart Canyon Federal | | Well No. 1 |
| Tract Letter B | Section 7 | Township 17 South | Range 28 East | County Eddy |
| Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the East line | | | | |
| Ground Level Elev. 3487.0 | Producing Formation Penrose | Pool Wildcat | Dedicated Acreage 40 | |

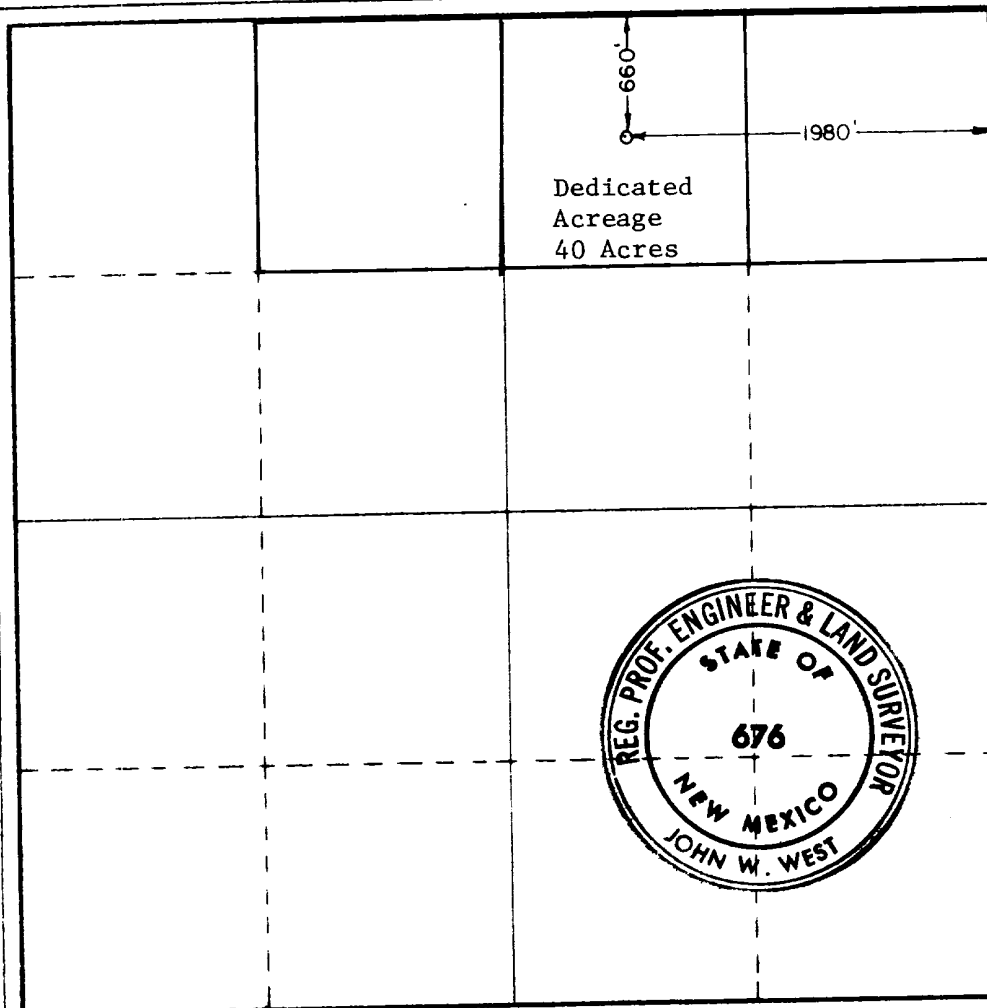
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

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CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

D. R. Meek
Name

D. R. Meek

Position

Agent

Company

MWJ Producing Company

Date

6/24/80

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

June 14, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No **JOHN W. WEST 676**
PATRICK A. ROMERO 6883
Ronald J. Eidson 3239

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600



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GEOLOGICAL SURVEY

P. O. Drawer U
Artesia, New Mexico 88210

JUL 24 1980

O. C. D.

July 22, 1980 ARTESIA, OFFICE

MWJ Producing Company
1804 First National Bank Bldg.
Midland, Texas 79701

Gentlemen:

MWJ PRODUCING COMPANY
Hart Canyon Fed 7 No. 1
660 FNL 1980 FEL Sec. 7 T.17S R.28E
Eddy County Lease No. NM-12110

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 1,600 feet to test the Penrose formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, dated July 1, 1978.
2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and this approval including the GENERAL REQUIREMENTS.
3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
4. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
6. Notify the Survey by telephone 24 hours prior to spudding well.
7. Cement behind the 8-5/8" casing must be circulated.

8. Special Stipulations:

Access road will proceed north from location to pipeline access road.

For the protection of livestock and wildlife all pits containing toxic liquids will be fenced and covered with a fine mesh netting (i.e., Hardware Cloth) with openings being 1/2 inch or less.

9. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

Very truly,
George H. Stewart

George H. Stewart
Acting District Engineer

APPLICATION FOR DRILLING

MWJ Producing Company
Hart Canyon Federal 7
660' FNL & 1980' FEL
Section 7, T-17S, R-28E
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, MWJ Producing Company submits the following ten items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is Permian.
2. The estimated tops of geologic markers are as follows:

| | |
|----------|---------|
| Russler | Surface |
| Yates | 400' |
| 7 Rivers | 500' |
| Queen | 1,000' |
| Penrose | 1,300' |
3. The estimated depths as which anticipated water, oil or gas formations are expected to be encountered:

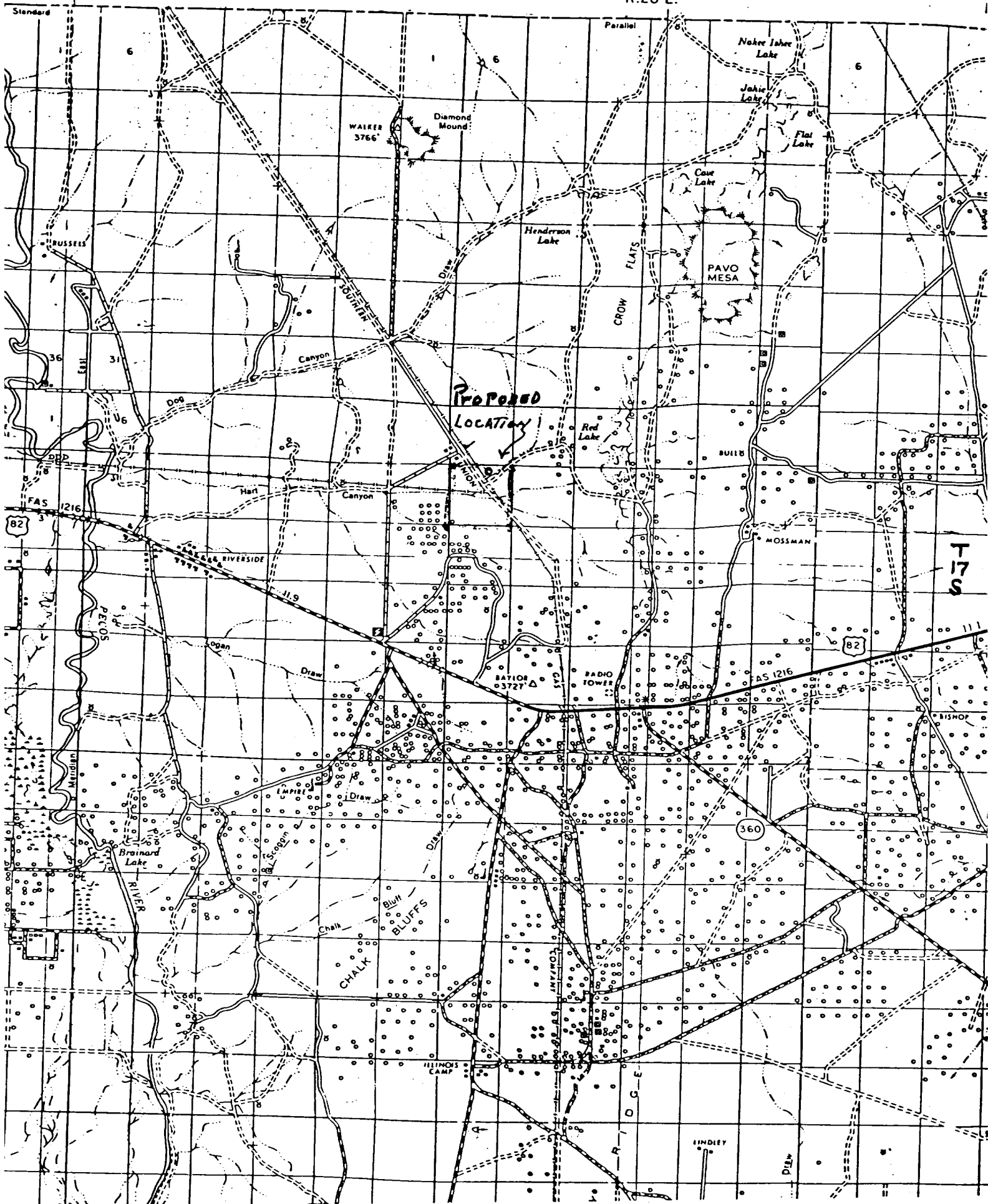
| | |
|-------------|--------------------|
| Water: | Approximately 400' |
| Oil or Gas: | Queen 1,000' |
| | Penrose 1,300' |
4. Proposed Casing Program: See Form 9-331 C
5. Pressure Control Equipment: See Form 9-331 C
6. Mud Program: See Form 9-331 C
7. Auxiliary Equipment: Light Plant, mud pump, water truck.
8. Testing, Logging and Coring Programs:
Will test by bailing the 7-Rivers, Queen and Penrose formations.
Will log if samples warrants.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: July 10, 1980.


D. R. Meek - Agent

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ARTESIA, NEW MEXICO

R.27 E.

R.28 E.



MWJ - Hart Canyon Federal-7 # 1
Eddy County, NM

Plat # 1
Existing roads

To accompany development plan for
Surface use for application to drill.