

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

C/SF

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-15001
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME --
2. NAME OF OPERATOR MWJ PRODUCING COMPANY (PH. 915-682-5216)		7. UNIT AGREEMENT NAME --
3. ADDRESS OF OPERATOR 1804 First National Bank Bldg., Midland, Texas 79701		8. FARM OR LEASE NAME ROPER FEDERAL
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 467' FNL & 2310' FWL of Sec. 25-17S-27E At proposed prod. zone same		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9 1/2 air miles east of Artesia, N. M.		10. FIELD AND POOL, OR WILDCAT Y Empire, Y-SR
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25-17S-27E
16. NO. OF ACRES IN LEASE 280		12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE N.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N.A.		20. ROTARY OR CABLE TOOLS Cable
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3538 G.L.		22. APPROX. DATE WORK WILL START* 2-26-82

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8"	4 1/2"	9.5#	525'	Sufficient to circulate

After cementing 4 1/2" production string, pay interval will be stimulated as needed for production.

Attached are: 1. Well Location & Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

Lease NM-15001 is due to expire on 2-28-82 absent diligent drilling operations over the expiration date.

RECEIVED
FEB 8 1982

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 blowout preventer program, if any.

SIGNED <i>James A. Knaut</i> James A. Knaut	TITLE Agent	DATE 2-4-82
(This space for Federal or State office use)		
PERMIT NO.	APPROVED FEB 23 1982 JAMES A. GILLHAM DISTRICT SUPERVISOR	APPROVAL DATE APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED
APPROVED BY CONDITIONS OF APPROVAL		DATE

*See Instructions On Reverse Side

Noted ID-1
APR + NL Bank
2-26-82

NEW MEXICO OIL CONSERVATION COMMISSION
W. LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

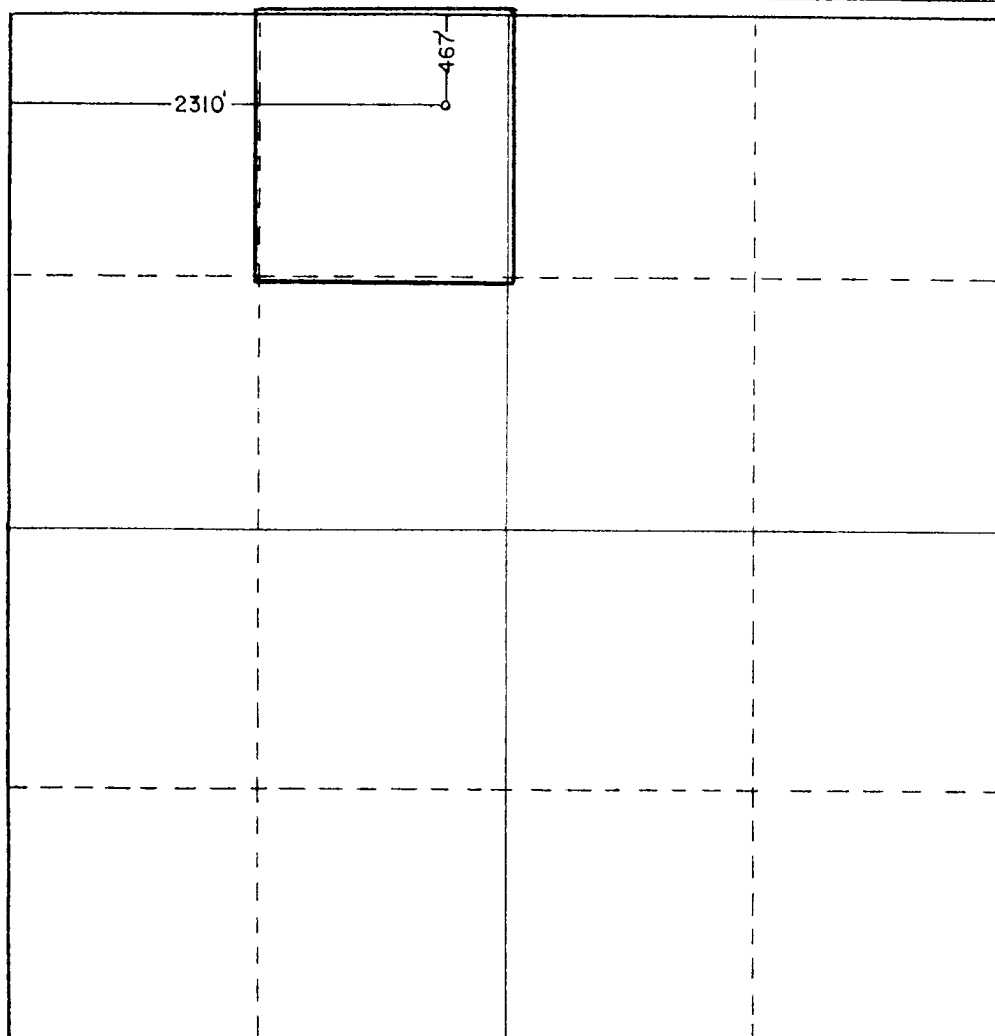
Operator M W J PRODUCING CO.			Lease ROPER FEDERAL		Well No. 1
Unit Letter C	Section 25	Township 17 SOUTH	Range 27 EAST	County EDDY	
Actual Footage Location of Well: 467 feet from the NORTH line and 2310 feet from the WEST line					
Ground Level Elev. 3538.1	Producing Formation Yates-Seven Rivers	Pool Empire Yates-Seven Rivers	Dedicated Acreage: 40 Acres		

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. (Use reverse side of this form if necessary.) _____

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



CERTIFICATION

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

James A. Knauf
Name

James A. Knauf

Position
Agent

Company
MWJ PRODUCING COMPANY

Date
February 4, 1982

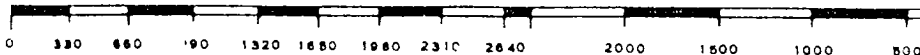
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
1-22-82

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 6663
Ronald J. Eidson 3239



SUPPLEMENTAL DRILLING DATA

MWJ PRODUCING COMPANY
WELL #1 ROPER FEDERAL
NE $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 25-17S-27E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Salado Formation of Permian Age.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yates	250'
Seven Rivers	490'
3. ANTICIPATED POROSITY ZONES:

Fresh Water:	None
Oil:	489 - 491'
4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>Condition</u>
4 $\frac{1}{2}$ "	0 - 525'	9.5#	K-55	STC	New
5. SURFACE CONTROL EQUIPMENT: None considered necessary on 500' test.
6. CIRCULATING MEDIUM: Not applicable for cable tool hole.
7. AUXILLARY EQUIPMENT: None considered necessary on 500' test.
8. LOGGING PROGRAM: A Gamma Ray or Sample Log will be run to TD.
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about February 26, 1982. Duration of drilling and completion operations should be 7 to 30 days.

ROAD LOG TO PROPOSED DRILLSITE

STARTING POINT is 9½ miles east of Artesia, New Mexico on Federal Highway US-82. This point is at Milepost 117.04 and is just south of the electric substation.

- 0.00 Turn north on Eddy-202 and go through cattleguard.
- 0.02 Turn right (east) on old two-track oilfield road and proceed in an east-southeasterly direction for a distance of 0.47 mile.
- 0.49 New road will start at this point. Turn left (north) and proceed in a northerly direction for a distance of 0.05 mile to the south edge of the proposed drillsite.
- 0.54 PROPOSED DRILLSITE (Well #1 Roper Federal).

THIRTEEN POINT PROGRAM

1. EXISTING ROADS: Existing roads, which lead to the proposed drillsite, are shown on Exhibits "A" & "B".
2. PROPOSED NEW ROAD: Proposed new access road will be 0.05 mile in length. Exhibit "B" shows proposed route which will originate at mileage-0.49 on the road log and will terminate at the south edge of the proposed drill pad. The center of the proposed new road has been staked and flagged.
 - A. Width: 12 feet.
 - B. Surfacing Material: It is not planned to surface the new road unless the well is productive.
 - C. Maximum Grade: Less than one percent.
 - D. Turnouts: None necessary.
 - E. Road Design: New road will be constructed by blading only. The 12-foot road may be capped with caliche, if well is productive.
 - F. Culverts: None necessary.
 - G. Gates, Cattleguards: None necessary.

3. LOCATION OF EXISTING WELLS: Existing wells in the vicinity of the proposed drillsite are shown on Exhibit "C".
4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
 - A. This is a non-producing lease and there are no production facilities on the leasehold.
 - B. If the well is productive, production and storage facilities will be installed within the 400' x 400' area on the edge of the well pad.
5. LOCATION AND TYPE OF WATER SUPPLY: It is not planned to drill a water supply well. Water for leasehold operations will be purchased from a commercial source and trucked to the wellsite.
6. SOURCE OF CONSTRUCTION MATERIALS: If material is used for construction of the proposed new road and well pad, it will be obtained from an existing Federal pit in the northeast corner of Sec. 26-17S-27E.
7. METHODS OF HANDLING WASTE DISPOSAL:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Water produced during tests will be disposed of in the drilling pits.
 - D. Oil produced during tests will be produced into temporary test tanks.
 - E. Trash, waste paper, garbage, and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".
 - F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing each drilling and/or completion operation.
8. ANCILLARY FACILITIES: None anticipated.
9. WELLSITE LAYOUT:
 - A. The wellsite has been surveyed and a 400' x 400' area has been staked and flagged.

- B. The dimensions and relative location of the drill pad and mud pit, with respect to the well bore are shown on Exhibit "D".
- C. The location is nearly level and will not need any cut or fill.
- D. It is not planned to surface the well pad area at this time.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the BLM will be complied with and accomplished as expeditiously as possible.

11. OTHER INFORMATION:

- A. Topography: The undisturbed wellsite is at an elevation of 3538' and the surface of the location is nearly flat.
- B. Soil: Top soil at the wellsite is sandy loam.
- C. LAND TYPE & USE: The vicinity surrounding the drillsite is semi-arid rangeland and its primary use is for grazing.
- D. Flora: Vegetative cover is sparse. Flora consists primarily of broomweed and range grasses interspersed with yucca.
- E. Fauna: No wildlife was observed, however fauna for this type of habitat normally consists of rabbits, rodents, coyotes, skunks, lizards, snakes, dove, and other small birds.
- F. Ponds & Streams: None.
- G. Water Wells: Nearest water well is 2 miles to the south.
- H. Residences & Other Structures: Nearest occupied dwelling is 2 miles to the south.
- I. Archaeological, Historical & Cultural Sites: New Mexico Archaeological Services, Inc. of Carlsbad, N. M. is making a survey of the proposed drillsite and new road areas, and a report will be furnished to USGS and BLM.

12. OPERATOR'S REPRESENTATIVE: Representative responsible for assuring compliance with the approved Surface Use Plan:

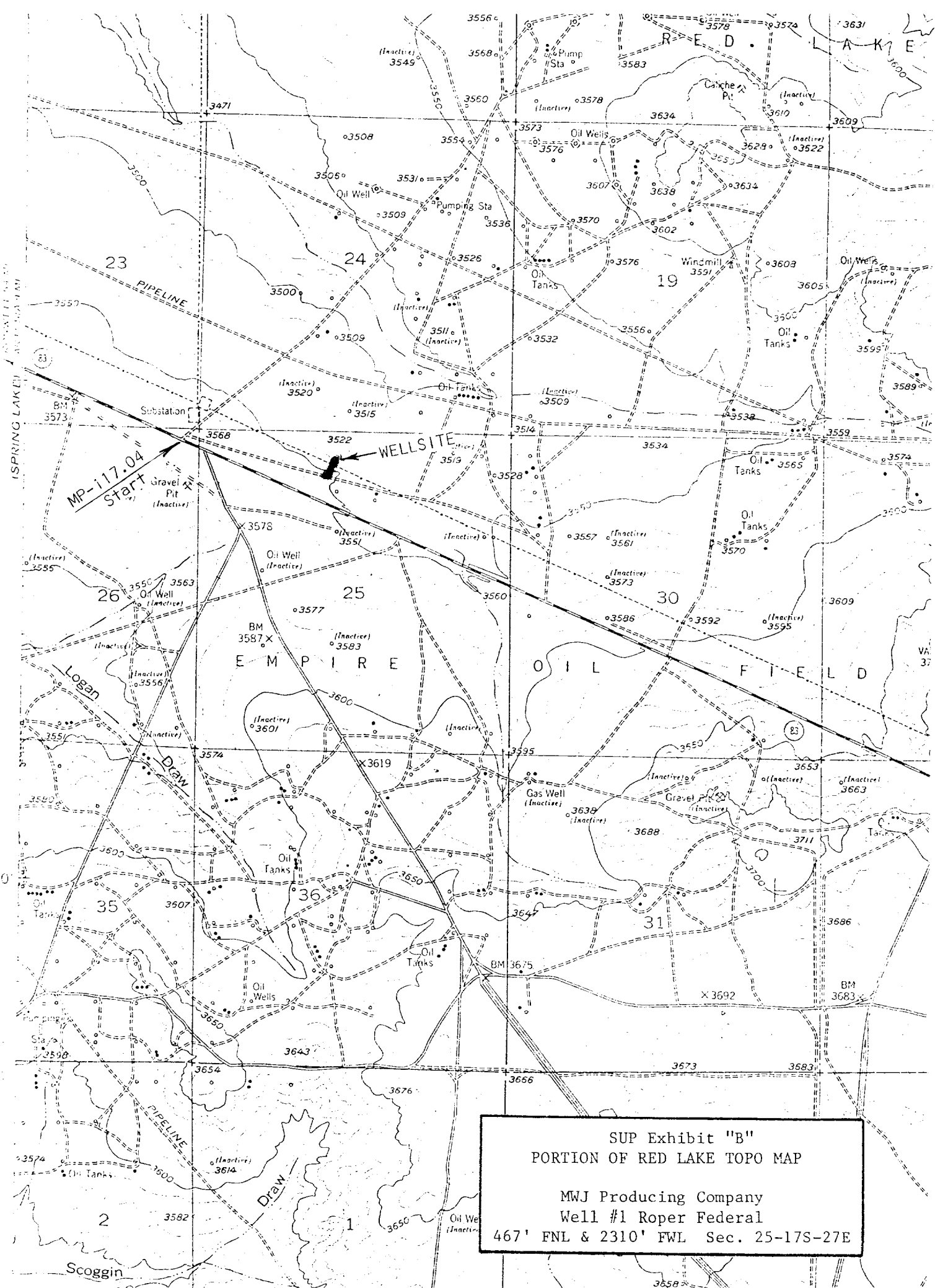
John L. Schlagal
1804 First National Bank
Midland, Texas 79701
Office Phone 915-682-5216
Home Phone 915-683-1044

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 conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by MWJ PRODUCING COMPANY and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

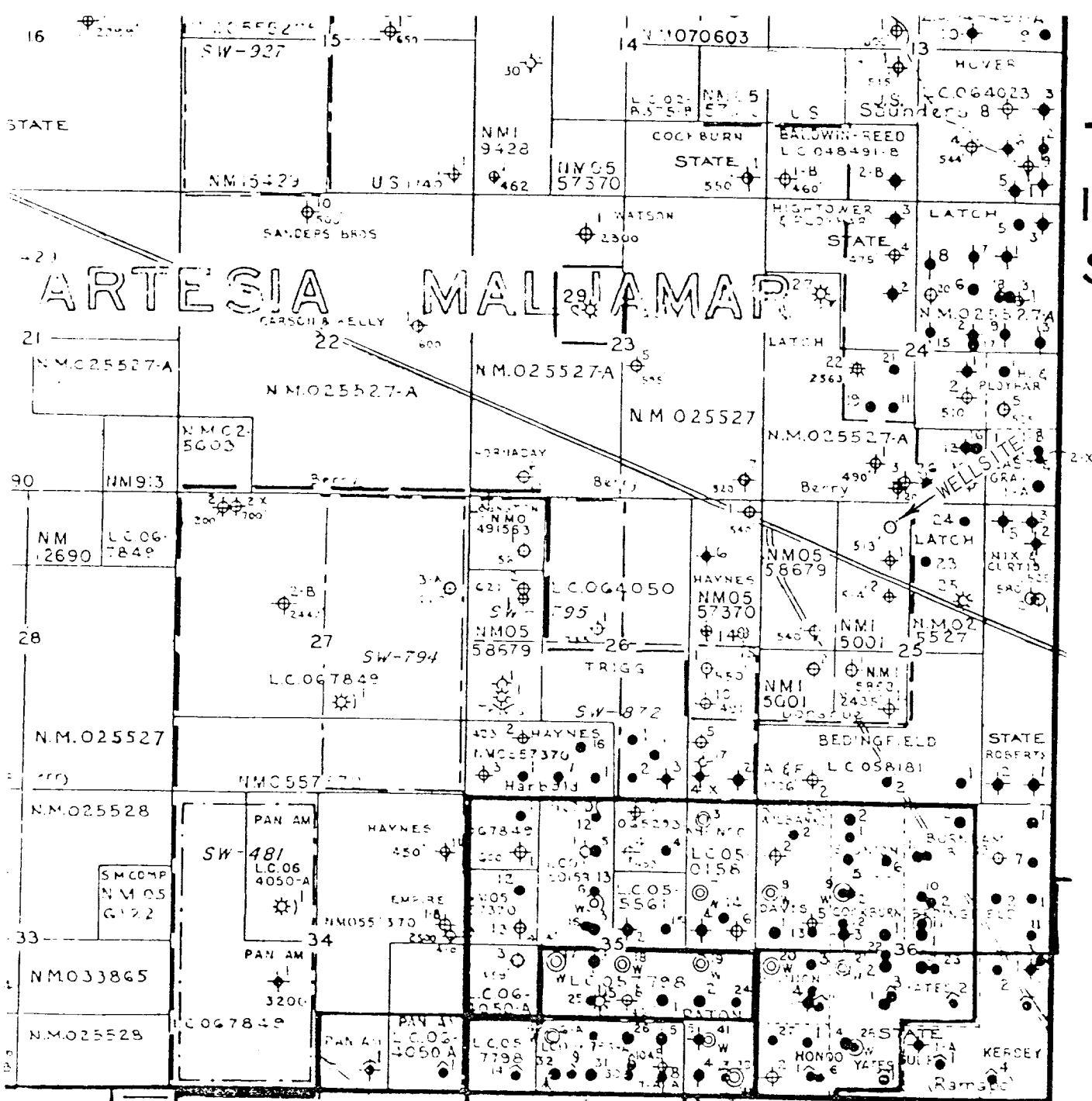
February 4, 1982
Date


James A. Knäuf, Agent



SUP Exhibit "B"
PORTION OF RED LAKE TOPO MAP

MWJ Producing Company
Well #1 Roper Federal
467' FNL & 2310' FWL Sec. 25-17S-27E



T
17
S

R 27 E

EMPIRE 430
UNIT

PATON
CO 24755-A

SO. RED LAKE
GRAYBURG UNIT

CITGO EMPIRE 430 UNIT

DEPARTMENT OF THE INTERIOR
U S GEOLOGICAL SURVEY

CONSERVATION DIVISION OIL & GAS OPERATIONS

MAP OF

PORTION OF EDDY & CHAVES COUNTIES NEW MEXICO

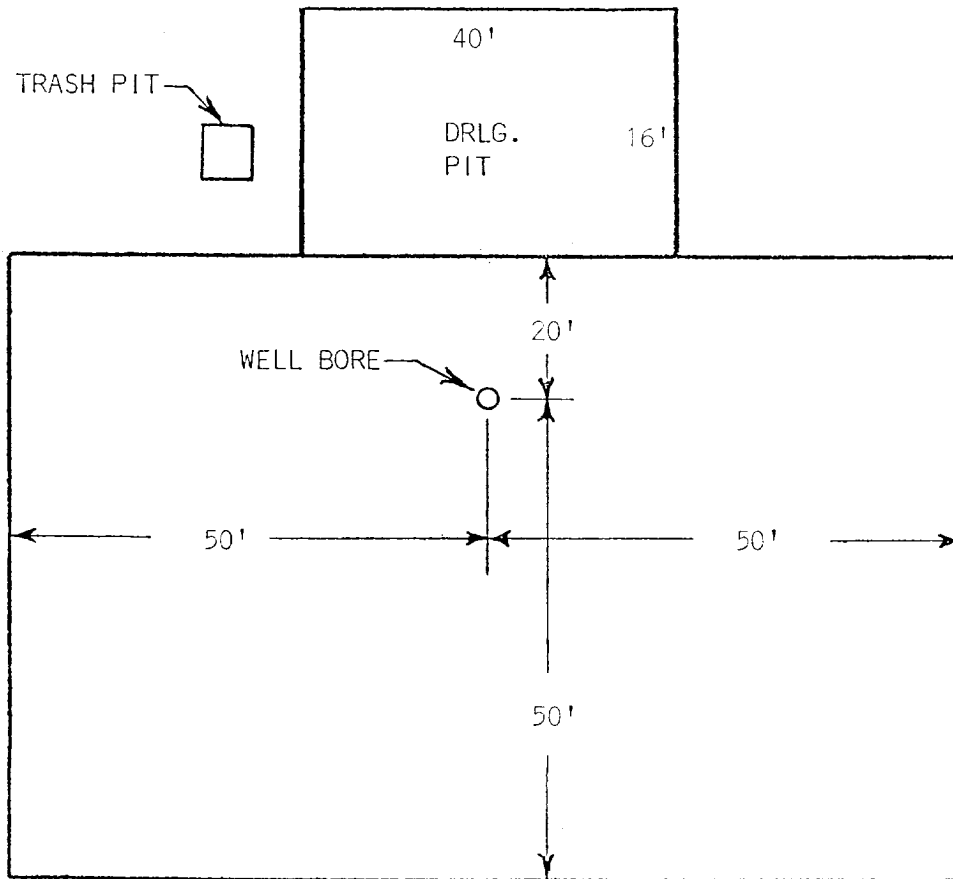
DRAWN BY: GEO. BYSTROM

TITLE: PORTION OF USGS OIL & GAS MAP #10

MAP NO: ROSWELL-10

SUP Exhibit "C"
MWJ Producing Company
Well #1 Roper Federal
467' FNL & 2310' FWL Sec. 25-17S-27E

CABLE TOOL DRILL PAD



SUP Exhibit "D"
SKETCH OF WELL PAD

MWJ Producing Company
Well #1 Roper Federal
467' & 2310' FWL Sec. 25-17S-27E