

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

Western Reserves Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 2188 Hobbs, New Mexico 88240

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

At surface

1980' FSL & 660' FWL

Section 34, T-7-S, R-31-E

At proposed prod. zone

Same

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

13.5 miles South of Kenna New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1980' FWL

18. DISTANCE FROM PROPOSED LOCATION*

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

1900'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

4150'±

20. ROTARY OR CABLE TOOLS

Rotary

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

4305.1' GR

22. APPROX. DATE WORK WILL START*

February 14, 1982

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 8/5"	24#	1640'±	650 sx. circulated
7 7/8"	4 1/2"	10.5#	4150'±	300 sx.

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

J.T. Janca

TITLE

Natural Resources Eng.
Agent

DATE February 5, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

(Orig. Sgd.) ROGER A. CHAPMAN

APPROVAL SUBJECT TO

CONDITIONS OF APPROVAL, IF ANY

TITLE

GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

DATE

FOR

JAMES A. GILLHAM

DISTRICT SUPERVISOR

*See Instructions On Reverse Side

APPLICATION TO DRILL

Western Reserves Oil Company
Western Reserves Federal "34" #7
Section 34 T-7-S R-31-E
1980' FSL & 660' FWL

The following information is provided for your consideration in response to Section 11 of Bulletin NTL-6.

1. Location: 1980' FSL & 660' FWL, Sec. 34, T-7-S, R-31-E
2. Elevation Above Sea Level: 4298.4
3. Geologic Name of Surface Formation: Alluvium
4. Drilling Tools and Associated Equipment: Conventional rotary drilling rig using mud for the circulation medium.
5. Proposed Drilling Depth: 4150'±
6. Estimated Geological Marker Tops: Rustler Anhydrite 1460'; Yates 1970'; San Andres 3080'.
7. Mineral Bearing Formation: Water Bearing - none;
Oil bearing - San Andres @ 3950'±.
8. Casing Program: (A) Surface Casing: 8 5/8" 24# K-55 New,
(B) Production Casing: 4 1/2" 10.5# K-55 New.
9. Setting Depth of Casing and Cement for Same: (A) 8 5/8" casing set @ 1640'±. Cement will be circulated to surface using 450 sacks of Halliburton Lite with three pounds gilsonite and one-fourth pound flocele per sack; 0.2% CaCl₂; followed by 200 sacks Class "C", 2% CaCl₂. (B) 4 1/2" casing set @ 4150'± cemented with 300 sacks Class "C", 50-50 pozmix, 3% CFR-s, eight pounds salt and one-fourth pound flocele per sack.
10. Pressure Control Equipment: Blowout preventers will be installed on the surface casing. They will be 10" API Series 900 dual preventers adapted for the drilling contractor's 4 1/2" and 5 1/2" drill pipe. They will be capable of closing off on all open areas. The blowout preventers will be hydraulically actuated. They will be tested to 1000# psi after installation on the surface casing prior to drilling out and each time they are removed or rearranged on the wellhead.

11. Proposed Circulation Medium: Mud will be used for the circulation medium for all depth in this well. The following mud properties will be maintained: Viscosity: sufficient to clean hole; Weight: 9.5 - 10.00 ppg. Viscosity through pay zone: 45 to 50 for good samples.
12. Testing, Logging and Coring Programs: (A) Testing - All testing will be commenced after the well is drilled and casing has been set and cemented. (B) Logging - At total depth the following logs will be run: 0 - 4150'± gamma ray, sidewall neutron, caliper, dual laterolog. (C) Coring - None.
13. Potential Hazards: No abnormal pressure or temperature zones are anticipated. Hydrogen sulfide gas is not expected to be a problem; however, the drilling rig will be situated as to allow all gas vapor to be expelled away from personal gathering sites and engine exhausts.
14. Anticipated Starting Date and Duration of Operations: Commence drilling operations approximately February 14, 1982 Three weeks to completion on approximately March 5, 1982
15. Other Facets of Operation: After running 4 1/2" casing; a cased hole gamma ray collar correlation log will be run from total depth to 3500'±. The San Andres porosity pay will be perforated and acidized. The well will then be swab tested and a pumping unit will be installed to potential and produce the well.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL 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

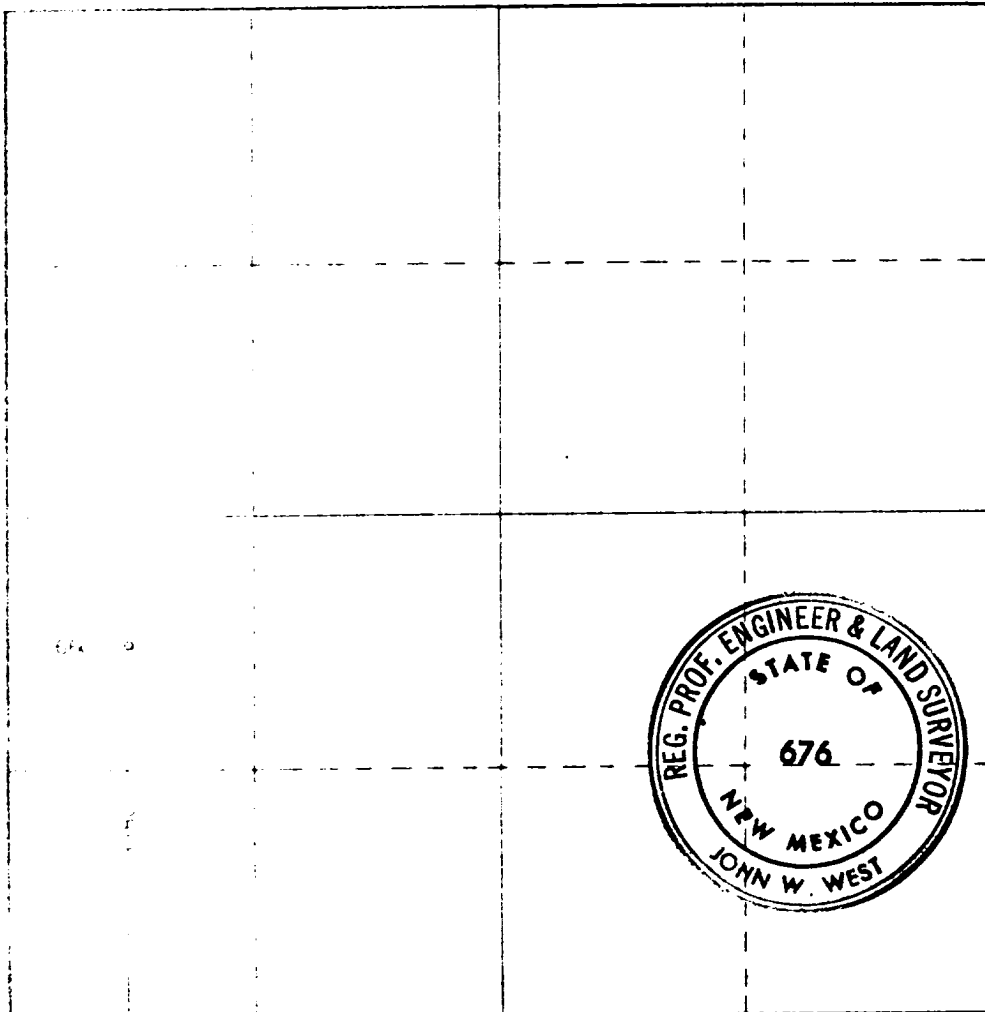
WESTERN RESERVES OIL CO.			Lease FED. 34		Well No. 7
L	Section 34	Township 7 SOUTH	Range 31 EAST	County CHAVES	
660 feet from the WEST line and 1980 feet from the SOUTH line 4298.4 San Andres Pool Tom-Tom Dedicated Acreage: 40 Acres					

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 well shall 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.



CERTIFICATION

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

Name *J. K. Janica*
 Position **Agent**
 Company **Western Reserves Oil Co.**
 Date **February 23, 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 **2-03-82**
 Registered Professional Engineer and/or Land Surveyor *John W. West*
 Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6663

RECORDED

MAR - 1952

NOTES OFFICE

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