

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

3. NAME OF OPERATOR
Henneco Oil Company

4. ADDRESS OF OPERATOR
P. O. Box 1714 - Durango, Colorado

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 125' FWL, 1660' FEL
Unit B

6. DISTANCE FROM PROPOSED LOCATION*
MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

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

8. NO. OF ACRES IN LEASE
160

9. PROPOSED DEPTH
2975

10. ROTARY OR CABLE TOOLS
Rotary

11. APPROX. DATE WHEN WELL WILL START*
March 6, 1966

12. FIELD AND POOL, OR WILDCAT
Manco Pictured Cliff
1st Sec. 10, T. 1 N., R. 9 E., S. 4
AND SURVEY OF AREA

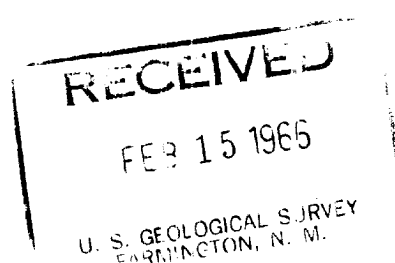
13. COUNTY OR PARTIAL COUNTY STATE
San Juan Co. New Mexico

14. ELEVATIONS (Show whether DF, RT, GR, etc.)
6107 GR

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#	150	100 sacks - cement to surface
7-7/8 to 2745	3-1/2 10R	7.7#	2975	Circulate cement
6-1/4 to 2975				

We propose to rig up, drill with Rotary to approximate TD 2975'. Log, s... shown above - WOC. Perforate and frac and install well head. Conduct deliverability tests.



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 Harold C. Nichols TITLE Senior Production Clerk DATE February 14, 1966
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL (IF ANY): _____

Distribution:

- 5 - USGS
- 1 - Continental
- 1 - File

*See Instructions On Reverse Side

TENNECO OIL COMPANY

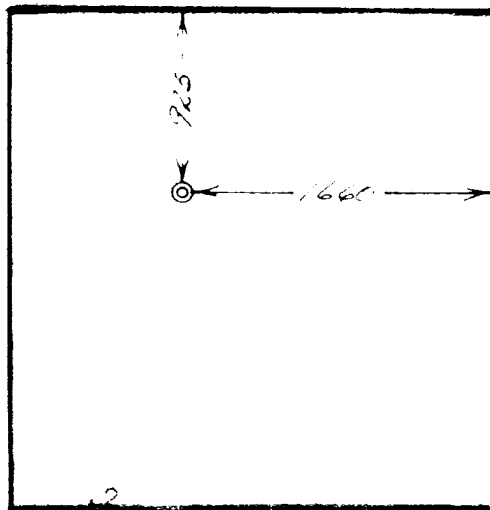
SHAW

1

B 92 30 North 9 West San Juan
925 North 1660 East

6107' ungraded Blanco Pictured Cliffs Blanco Pictured Cliffs 150 NE/4

1. The land described in this plat is situated in the NE/4 of Section 2, T9N, R9W, S1E, San Juan County, New Mexico. The land is owned by Tenneco Oil Company, a corporation organized under the laws of the State of New Mexico. The land is being surveyed for the purpose of leasing to the United States for use as a national monument. The land is being surveyed in accordance with the provisions of the New Mexico Land Surveying Act of 1965. The land is being surveyed in accordance with the provisions of the New Mexico Land Surveying Act of 1965. The land is being surveyed in accordance with the provisions of the New Mexico Land Surveying Act of 1965.



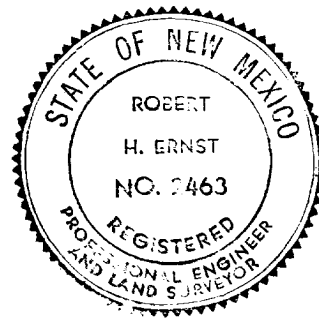
Section 2

Harold C. Nichols

Harold C. Nichols
Senior Production Clerk

Tenneco Oil Company

February 14, 1966



9 December 1965

Robert H. Ernst