

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

Robert N. Enfield

3. ADDRESS OF OPERATOR

P. O. Box 2431, Santa Fe, New Mexico 87501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1980' FSL X 990' FWL of Sec. 3

At proposed prod. zone 1980' FSL X 990' FWL of Sec. 3

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

35 miles N.W. of Tatum, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 990'

16. NO. OF ACRES IN LEASE

440 ac.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 ac.

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

1650'

19. PROPOSED DEPTH

7800'

20. ROTARY OR CABLE TOOLS

Rotary

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

4277.5 GR

22. APPROX. DATE WORK WILL START*

5-25-87

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48# & 54.5#	487'	470 sx "C"
12 1/4"	8 5/8"	32# & 24#	3500'	1230 sx PL "H" & 730 sx "C"
7 7/8"	4 1/2"	11.60#	9670.20'	761 sx PL & 365 sx "H"

The formation in which the well is currently completed has depleted; bottom hole pressure test dated 3/20/87 indicated a BHP of 654 psia after being shut-in for appx. two weeks.

Operator plans to set a CIBP @ appx. 9,350'KB with 35' of cement on top to plug the existing zone.
Several zones in the Wolfcamp formation between 7,700' and 7,800'KB will be perforated and treated.
Swab and/or flow tests will be undertaken to determine the nature and rate of production, if any.

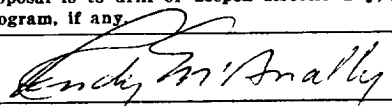
This zone was not tested while drilling; log calculations and sample shows indicate possible oil production.

We would like to start field operations on or about May 25, 1987

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



TITLE Agent

DATE 5/21/87

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
PETER W. CHESTER
DATE

MAY 29 1987

BUREAU OF LAND MANAGEMENT
ROSSELL RESOURCE AREA

*See Instructions On Reverse Side