

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

Flag-Redfern Oil Company

## 3. ADDRESS OF OPERATOR

P. O. Box 23, Midland, TX 79702

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

At surface

1980' FSL 560' FWL

At proposed prod. zone

Same

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

13 miles southwest of Eunice, New Mexico

## 10. DISTANCE FROM PROPOSED\*

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

560'

## 16. NO. OF ACRES IN LEASE

240

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

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

1324'

## 19. PROPOSED DEPTH

3700'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

G.L. = 3335'

## 22. APPROX. DATE WORK WILL START\*

12-1-78

## 23.

## 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# J-55	1200'	570 sx
7 7/8"	4 1/2"	9.5# J-55	3700'	330 sx

Drill 12 1/4" hole to 1200'. Run 8 5/8" casing and circulate cement using 370 sk of Halliburton Light Wt. with 8 lb/sk of salt followed by 200 sk of Class "C" with 2% CaCl. Wait on cement for 12 hours. Test casing to 600 PSIG for 30 minutes. Drill 7 7/8" hole to approximately 3700'. Run open hole logs. Run 4 1/2" casing and cement with 330 sk of Pozmix "A" with 2% gel and 8 lb/sk of salt. Run correlation logs and perforate the Queen formation. Treat by acidizing and hydraulic fracturing. Swab to test, potential well.

Blowout Preventers: Cameron 10" series 900 installed on surface pipe.

Mud Program: 0 - 1200' Native Mud

1200' - 3200' Brine water

3200' - T.D. Brine water & gel

Estimated Formation Tops: Anhydrite - 1190'

Yates - 2950'

Seven Rivers - 3190'

Queen - 3520'

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

*Steve Ressler*

TITLE

Petroleum Engineer

DATE

11-9-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*James Y. Lewis*