

NM OIL CONS. COMMISSION
SUBMIT REPLICATE
Draser (Other instructions on reverse side)
ARTESIA
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-005-62080
Form approved.
Budget Bureau No. 42-R1425.

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 ☐

2. NAME OF OPERATOR
Flag-Redfern Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 11050 Midland, TX 79708

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
660' FSL and 660' FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
33 miles NE of Roswell

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
660'

16. NO. OF ACRES IN LEASE
320

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2640

19. PROPOSED DEPTH
4300

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Gr-3850.9

22. APPROX. DATE WORK WILL START*
December 10, 1983

5. LEASE DESIGNATION AND SERIAL NO.
US NM 22846

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
NM-Federal Com

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Pecos Slope Abo (Gas)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5, T-5-S, R-25-E

12. COUNTY OR PARISH
Chaves

13. STATE
New Mexico

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"	54.5	900-950	1150 sx
11"	8 5/8" (opt.)	24	1500-1700	650 sx
7 7/8"	4 1/2"	10.5	4300'	320 sx

Drill 17 1/2" hole to 900-950'. Run 13 3/8" 54.5 lb/ft casing and set at 900-950'. Circulate cement with 1150 sx cement. Drill 11" hole to 1500-1800'. If severe lost circulation occurs in lower San Andres run 1500-1800' 8 5/8" 24 lb/ft casing. Circulate cement with 650 sx cement. Reduce hole size to 7 7/8" and drill to approximately 4300'. Run open hole logs. Run 4 1/2" 10.5 lb/ft casing to approximately 4300' and cement with 320 sx 50/50 Poz/C. Run correlation log. Perforate Abo. Treat with acid and swab test. If found productive fracture with gelled water and sand. Potential Well.

Mud Program

Estimated Tops

0-950'	Native Mud	San Andres	690'
950-3400'	Fresh Water Gell	Glorieta	1550'
3400-4300'	Salt Water Gell	Abo	3590'

Blowout Preventers shaffer LWS 10" series 900.

Gas is dedicated to Transwestern Pipeline Company.
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 Kelly James TITLE Engineer DATE 11-11-83
(This space for Federal or State office use)

PERMIT NO. 1019 APPROVAL DATE DEC 05 1983
Orig. Sgd. Earl R. Cunningham District Manager
APPROVED BY Earl R. Cunningham TITLE District Manager DATE DEC 05 1983
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED
See Instructions On Reverse Side