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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

| | |
|---|------------------------------|
| 5A. Indicate Type of Lease | |
| STATE <input checked="" type="checkbox"/> | FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. L-2980 | |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | |
|---|--|---|--|
| 1a. Type of Work | | 7. Unit Agreement Name | |
| b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 8. Firm or Lease Name Hanks-State | |
| 2. Name of Operator Flag-Refurn Oil Company | | 9. Well No. 1 | |
| 3. Address of Operator P.O. Box 23 Midland, TX 79702 | | 10. Field and Pool, or Wildcat Wildcat | |
| 4. Location of Well UNIT LETTER 0 LOCATED 660' FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 16 TWP. 8-S RGE. 34-E NMPM | | 12. County Roosevelt | |
| 19. Proposed Depth 4700 | | 19A. Formation San Andres | |
| 20. Rotary or C.T. Rotary | | 21. Elevations (Show whether DF, RT, etc.) 4287 GL | |
| 21A. Kind & Status Plug. Bond Blanket | | 21B. Drilling Contractor Tahoe Drilling Company | |
| 22. Approx. Date Work will start April 20, 1978 | | | |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|----------------|----------------|-----------------|---------------|-----------------|-----------|
| 12-1/4" | 8-5/8" | 24# | 400' | 250 sx. | Circulate |
| 7-7/8" | 4-1/2" | 9.5# | 4700' | 250 sx. | 3400' |
| Stage Cementer | | | 2200' | 550 sx. | Circulate |

Drill 12-1/4" hole to approximately 400'. Run 8-5/8" casing and cement with 250 sx. Class C with 2% CaCl. Drill 7-7/8" hole to approximately 4700'. Run open hole logs. Run 4-1/2" casing and cement with 250 sx. Class H Pozmix, 2% gel, 0.75% CFR-2, 8# salt. Open stage cementer at 2200 and cement with 550 sx. Halliburton Lite with 0.4% CFR-2 and 8# salt. Close stage cementer. Run correlation log and perforate San Andres. Treat with acid. Swab test.

Mud Program: 0-400 Native Mud
400-4200 Native Mud & Oil
4200-TD Starch, Oil, Emulsion

Estimated Tops: San Andres 3780
P. Zone 4370
S. D. Porosity 4540

Blowout Preventors: Shaffer - 10" Series 900, installed on surface pipe.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Peter A. Sweeney Title Petroleum Engineer Date 3-31-78
(This space for State Use)

APPROVED BY Orig. Signed by
Les Clements
CONDITIONS OF APPROVAL, IF ANY: Oil & Gas Insp. DATE APR 7 1978

100-1070
JUN 10 1965

[illegible]