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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| 5A. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.                                                                         |
| 7. Unit Agreement Name                                                                               |
| 8. Form or Lease Name<br>B. Lee State                                                                |
| 9. Well No.<br>5                                                                                     |
| 10. Field and Pool, or Wildcat<br>Vacuum (Abo)                                                       |
| 12. County<br>Lea                                                                                    |

|                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK                                                                                                                                                                                          |                                                                                                                                                                                                                                                             |
| 1a. Type of Work<br>b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/><br>SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | 2. Name of Operator<br>Sun Oil Company<br>3. Address of Operator<br>P.O. Box 1861 Midland, Texas 79702<br>4. Location of Well<br>UNIT LETTER M LOCATED 330 FEET FROM THE West LINE<br>AND 994 FEET FROM THE South LINE OF SEC. 7 TAP. 18-S RGE. 35-E ANADIM |
| 21. Elevations (Show whether DP, RT, etc.)<br>3980' DF                                                                                                                                                                                         | 21A. Risk & Status Plan, Road<br>Blanket<br>21B. Drilling Contractor<br>Unknown<br>21C. Approx. Date Work will start<br>ASAP - 3-25-78                                                                                                                      |

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 17 1/2"      | 13 3/8"        | 48#             | 338           | 275             | Surface  |
| 11"          | 8 5/8"         | 24 & 32#        | 3405          | 1150            | 2100'    |
| 7 7/8"       | 5 1/2"         | 15.5 & 17#      | 9213          | 1000            | 250'     |

- MIRU. Install BOP.
- Run GR & JB to 8700' on wireline. RIH w/CIPB on wireline and set @ 8700. RIH w/dump Bailer and dump 35' Class H cmt on top of plug.
- Use GO International to run a GR - Collar Log 5200 to 4000.
- Use GO International to perforate 5060-5084, 5004-17, 4963-80 w/1 JSPF using 4" OD Densijet XIX. Perforate by Schlumberger Sonic Log dated 10-11-62. Total 57 holes.
- Run 2 7/8" tbq w/RDG pkr and RBP @ approx 5100 and test. Spot 1 bbl 15% NEHC1 5084-5042. Pull up and set pkr at approx 5030. Acidize perfs 5060-5084 using 15% NEHC1 in two 1300 gal stages w/225 gal gelled saturated brine containing 150# GRS and 75# BAF between stages. Flush w/Trt'd brine water.
- Release Pkr. Pick up RBP and set at approx 5030 and test. Spot 1 bbl 15% NEHC1 5017-4975. Pull up and set pkr at approx 4990. Acidize perfs 5004-17 w/1500 gals 15% NEHC1, dropping 1 RCNBS every 1.5 bbl of acid. Flush w/Trt'd brine water. (Total 24 Balls)

(CONTINUED)

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 Drew Barry Title Office Assistant Date 3-13-78

(This space only to be signed by)

Jerry Sexton

Dist. L. Supv.

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*Original 3/15/78*

MAR 15 1978

7. Release pkr pick up RBP and set at approx 4990 and test. Spot 1 bbl 15% NEHCl 4980-4938. Pull up and set pkr at approx 4930. Acidize perfs 4963-80 w/2000 gals 15% NEHCl, dropping 1 RCNBS per ever 1 1/2 bbl acid. Flush w/Trt'd water. (Total 32 balls) Acidize all intervals at 3-4 BPM w/Max pressure.
8. Release pkr. Latch onto RBP and reset @ 5100. Pull up, set pkr at approx 4930 and swab to determine fluid entry. If test proves commercial, POH w/RBP, pkr & tbg and continue with step 11. If San Andres is non-commercial prepare to test Grayburg.
9. Pick up RBP and POH w/trb, RBP, and pkr. Perforate 3618-38 w/1JSPF using 4" OD Densijet XIX. Perforate by Schlumberger Sonic Log dated 10-11-62. (Total 21 Holes)
10. RIH w/tbg, CIBP and RDG. Set CIBP @ 4900 and test. Pull and spot 1 bbl 15% NEHCl 4638-4696. Pull up and set pkr at approx 4590. Acidize perfs 4618-38 w/2000 gals 15% NEHCl, dropping 1 RCNBS per every 1 1/2 Bbl acid. (Total 32 balls) Flush w/trt'd brine water. Acidize at 3-4 BPM w/Max pressure 4000 PSI. Swab to determine fluid entry. POH w/pkr & tbg.
11. RIH w/tbg, Rods & pump. RR (Pumping set up to be determined after swab test.)
12. MI pumping unit. Complete installation & POP.