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5A. Indicate Type of Lease  
STATE ☐ FEE ☒  
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                                                                                              |                                          |                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------|
| 1a. Type of Work<br>DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>                                                                             |                                          | 7. Unit Agreement Name                                          |
| b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                                          | 8. Farm or Lease Name<br>Shahan 33                              |
| 2. Name of Operator<br>CONOCO INC.                                                                                                                                                                           |                                          | 9. Well No.<br>3                                                |
| 3. Address of Operator<br>P. O. Box 460, Hobbs, N.M. 88240                                                                                                                                                   |                                          | 10. Field and Pool, or Wildcat<br>Langlie Mattix 7 Rivers Queen |
| 4. Location of Well<br>UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>NORTH</u> LINE<br>AND <u>1650</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>33</u> TWP. <u>25S</u> RGE. <u>37E</u> NMPM     |                                          | 12. County<br>Lea                                               |
| 19. Proposed Depth<br>3300'                                                                                                                                                                                  |                                          | 19A. Formation<br>Queen                                         |
| 20. Rotary or C.T.<br>Rotary                                                                                                                                                                                 |                                          |                                                                 |
| 21. Elevations (show whether DF, RI, etc.)<br>3020' GL                                                                                                                                                       | 21A. Kind & Status Plug. Bond<br>Blanket | 21B. Drilling Contractor<br>Not Available yet                   |
|                                                                                                                                                                                                              |                                          | 22. Approx. Date Work will start<br>November 25, 1986           |

23. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT    | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|--------------------|---------------|-----------------|----------|
|              | 9 5/8"         | original surf. csg |               |                 |          |
|              | 7"             | original prod. csg |               |                 |          |
| 6 1/4"       | 4 1/2"         | 11.6#              | 3300'         | 100 SKS         |          |

- MIRU, Rel pkr & POOH. Run scraper to 3080'. Set RBP @ 3060'. Dump 25x sand on RBP. Set pkr @ 2600'. Test csg w/ pkr for leaks.
- Reset pkr @ 1900'. Cmt sqz Yates perms. WOC 24 hrs. Drill out cmt (+2600) and test csg. Latch RBP & POOH.
- Get and clean out open hole to 3227'. Drill & deepen from 3227' - 3300' (new TD) Blow hole dry w/ Air & POOH. Run open hole logs from 3300' - 3080'.
- Run 400' 4 1/2" liner to 3300'. Set liner hanger. Cmt liner in place. Dress off Top of liner. Make bit & scraper run to TD. Run CBL. Sqz & cmt if necessary.
- Circ. hole clean. Spot acid. Perforate Seven Rivers & Queen zones from locations picked off logs. Acidize perms. Rig down.

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 Paul A. Kautz Title Administrative Supervisor Date 10-20-86

(This space for State Use)  
Orig. Signed by Paul Kautz  
APPROVED BY Geologist TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

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