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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-83

| | |
|---|------------------------------|
| 5A. Indicate Type of Lease | |
| STATE <input checked="" type="checkbox"/> | FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. | |
| LG-4087 | |

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"/> | | 8. Form or Lease Name | |
| OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | State "16" | |
| 2. Name of Operator | | 9. Well No. | |
| Meridian Oil Inc. | | 1 | |
| 3. Address of Operator | | 10. Field and Pool, or Wildcat | |
| 21 Desta Drive, Midland, Texas 79705 | | S. Corbin (Strawn) | |
| 4. Location of Well | | 12. County | |
| UNIT LETTER <u>J</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE | | Lea | |
| AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>16</u> TWP. <u>18S</u> RGE. <u>33E</u> NMPM | | | |
| 19. Proposed Depth | | 19A. Formation | |
| 12,500' | | Strawn | |
| 20. Rotary or C.T. | | Rotary | |
| 21. Elevations (Show whether DF, RT, etc.) | | 22. Approx. Date Work will start | |
| 3875.9' GR | | 2-16-87 | |

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# | 350' | 350 sx. | Circ. |
| 12 1/4" | 8 5/8" | 24# | 3000' | 1400 sx. | Circ. |
| 7 7/8" | 5 1/2" | 17# | 12,500' | 1000 sx. | TOC @ +8000' |

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @ 350'. Cmt w/350 sx. Cl "C". Circ to surf. Drill 12 1/4" hole to 3000'. Set 8 5/8" csg @ 3000'. Cmt w/1200 sx Lite C & 200 sx. Cl "C". Circ to surf. Drill to TD. Set 5 1/2" csg @ 12,500'. Cmt w/sufficient volume to cover all prospective zones. Estimated top of cmt @ +8000'. Perforate & stimulate Strawn & Wolfcamp for production.

MUD PROGRAM: 0-350' spud mud; 350-1500' existing fluid w/fresh wtr additions; 1500-3000' brine, 3000-10,200' cut brine & sweeps, 10,200-12,100' cut brine, Drispac, X-C polymer, 12,100-12,500' cut brine, Drispac, X-C polymer. MW 9.0-10, VIS 32-36, 10-15 cc. BHP @ TD anticipated to be 7500psi. No abnormal pressures expected.

BOP PROGRAM: Test BOP's after setting 8 5/8" csg & 10,000' prior to drilling into Wolfcamp by Yellow Jacket, Inc.

Gas Not Dedicated

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

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 Cathy Hobes Title Engineering Tech III Date 1/30/87

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR

TITLE _____

DATE FEB 2 1987

CONDITIONS OF APPROVAL, IF ANY: