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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | |
|--|--|--|---|
| 1a. Type of Work | | 7. Unit Agreement Name | |
| b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 8. Farm or Lease Name Mark Owen | |
| 2. Name of Operator Marathon Oil Company | | 9. Well No. 4 | |
| 3. Address of Operator P. O. Box 2409, Hobbs, New Mexico 88240 | | 10. Field and Pool, or Wildcat Drinkard | |
| 4. Location of Well UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE OF SEC. 35 TWP. 21-S RGE. 37-E NMPM | | 12. County Lea | |
| 19. Proposed Depth 7435 | | 13A. Formation Abo | 20. Rotary or C.T. Rotary |
| 21. Elevations (Show whether DF, RT, etc.) 3371 GL - - 3383 DF | 21A. Kind & Status Plug. Bond Current | 21B. Drilling Contractor Unknown | 22. Approx. Date Work will start July 17, 1974 |

23.

PROPOSED CASING AND CEMENT PROGRAM

| CURRENT | | | | | |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
| 17" | 13-3/8" | 48# | 302' | 250 | Circ.* |
| 11" | 8-5/8" | 32# | 2794' | 1500 | Circ.* |
| 8" | 5-1/2" | 17# | 6452' | 500 | 3700'* |
| PROPOSED | | | | | |
| 4-3/4" | 3-1/2" Liner | 9.2# | 6427/7435' | 75 | 6427' |

Attempted to add Blinebry completion and dual well in September, 1964. Abandoned Blinebry perfs. 5695-5881' W/500 sx. cement and Blinebry perfs. 5679-5730' W/100 sx. cement. Original completion in Drinkard (open hole: 6452-6535') abandoned in May, 1969 with CIBP @ 5345' with 2 sx. cement cap. Recompletion in Paddock (5132-5207') was unsuccessful and well is currently shut in. Plan to squeeze to abandon Paddock perfs. 5132-5207' with 125 sx. cement. Drill and clean out to original T.D. Drill to new TD - 7435'. Log well. Run 3-1/2" from 6427 to 7435' utilizing liner hanger/pkr. with 75 sx. cement. Pressure test liner & liner top. Perf., treat and test Abo zone. Set 5-1/2" packer (with retrievable tubing plug in place) above top Abo perf. Perf., treat and test Drinkard zone. Run down hole equipment to complete well as Drinkard/Abo dual.

*Calculated

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 C. L. Niles Title Operations Superintendent Date 7-12-74

(This space for State Use)

APPROVED BY [Signature] TITLE [Signature] APPROVE VALID JUL 12 1974

CONDITIONS OF APPROVAL, IF ANY:

FOR 90 DAYS UNLESS
DRILLING COMMENCED,