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NEW MEXICO OIL CONSERVATION COMMISSION

Form O-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. | |
| 7. Unit Agreement Name | |
| 8. Firm or Lease Name | |
| Owen | |
| 9. Well No. | |
| 1 | |
| 10. Field and/or Well | |
| Und. Granite Wash | |
| 11. County | |
| Lea | |
| 12. Estimated Depth | 19A. Formation |
| 7450' | Granite Wash |
| 20. Rotary or C.T. | |
| Rotary | |
| 21. Elevations (Show whether DF, RT, etc.) | 21A. Kind & Status of Prod. Permit |
| 3368' GR | Required/Approved |
| 21B. Drilling Contractor | |
| Not released | |
| 22. Approx. Date Work will start | |
| April 15, 1976 | |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | |
|---|--|
| 1a. Type of Work | |
| b. Type of Well | |
| DRILL <input type="checkbox"/> | DEEPEN <input checked="" 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 type="checkbox"/> |
| MULTIPLE ZONE <input checked="" type="checkbox"/> | |
| 2. Name of Operator | |
| Cities Service Oil Company | |
| 3. Address of Operator | |
| 4. Location of Well | |
| UNIT LETTER P | LOCATED 660 |
| FEET FROM THE | South |
| LINE | |
| AND 660 | FEET FROM THE |
| East | 35 |
| LINE OF SECTION | 21S |
| PAGE | 37E |
| SMPM | |
| 21. Elevations (Show whether DF, RT, etc.) | |
| 3368' GR | |
| 21A. Kind & Status of Prod. Permit | |
| Required/Approved | |
| 21B. Drilling Contractor | |
| Not released | |
| 22. Approx. Date Work will start | |
| April 15, 1976 | |

23.

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# | 293' | 250 sacks | Circulated |
| 12-1/4" | 9-5/8" | 36# | 282 1/2' | 1500 sacks | --- |
| 7-3/8" | 5-1/2" | 15 & 17# | 6411' | 350 sacks | --- |

O.T.D. 6535' Lime. This well is now producing 6 BO + 1BWPD thru Blinebry Perfs 5683 - 5900' and 5 BO + 1 BWPD from the Drinkard thru open hole @ 6411 - 6535'. We propose to deepen this well to the Granite Wash in the following manner:

1. MIRU workover unit, reverse unit, kill well and pull 1-1/2" Blinebry tubing and 2-1/16" Drinkard tubing and packers set @ 5612' and 5994'.
2. Start drilling new hole and drill deeper thru the Granite Wash to approx. 7450'.
3. Run, hang and cement a 4" 9.5# liner @ approx. 6100 - 7450' w/85 sacks Class C w/0.5% Halad 9 and 1/4# Flocel/sack cement.
4. Clean out inside of liner to below the Granite Wash, run tubing w/RTTS, test top of liner and if necessary squeeze top of liner.
5. Perforate the Granite Wash as determined from logs, test, treat if necessary and if not productive set a CIBP above Granite Wash Perfs and dump cement on top of CIBP to plug off Granite Wash perfs.
6. Perforate the Wantz Abo as determined from logs, test, treat if necessary and retest.

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 E. J. J. J. J. Title Region Operation Manager Date March 12, 1976

(This space for State Use)

APPROVED BY J. J. J. J. TITLE State Engineer DATE MAR 15 1976

CONDITIONS OF APPROVAL, IF ANY:

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MAY 10 1968

CONSUMER COMPLAINTS