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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

| | |
|---|------------------------------|
| 5a. Indicate Type of Lease | |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. | |
| B-2317 | |

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - C" (FORM C-101) FOR SUCH PROPOSALS.)

| | | |
|---|--|---|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Salt water disposal | | 7. Unit Agreement Name |
| 2. Name of Operator Phillips Petroleum Company | | 8. Farm or Lease Name M. E. Hale |
| 3. Address of Operator Room 806, Phillips Bldg., Odessa, Texas 79761 | | 9. Well No. 11 |
| 4. Location of Well UNIT LETTER K 1980 FEET FROM THE south LINE AND 2310 FEET FROM THE west LINE, SECTION 35 TOWNSHIP 17-S RANGE 34-E N.M.P.M. | | 10. Field and Pool, or Wildcat Vacuum Grayburg/San And |
| 15. Elevation (Show whether DF, RT, GR, etc.) 4030' RKB | | 12. County Lea |

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

| | | | |
|--|---|--|---|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input checked="" type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> | CASING TEST AND CEMENT JOBS <input type="checkbox"/> | OTHER <input type="checkbox"/> |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7-6-77: MI Johnson Unit, drilled on pkr at 4932' w/2-7/8" bailer for 5 hrs. COOH. WIH, stopped at 2940'.

7-7-77: Ran 3-7/8" bit, drld on pkr 5½ hrs.

7-8-77: Changed bits, drld on pkr 5 hrs, COOH.

7-9-77: Ran magnet on WL, recovered 3 small pieces of iron. Ran 2-3/8" tbg & Klusterite mill, milled on pkr at 4932' for 4½ hrs, pkr moved down hole to 5002'.

7-10-77: Drld on pkr 3½ hrs, COOH. Ran magnet on WL, no recovery.

7-11-77: Ran 2-3/8" tbg and cutrite mill, cut on pkr @ 5002'-5004' for 2 hrs, hung shoe. Worked up hole 3 feet in 3 hrs. COOH, recovered tbg & mill.

7-12-77: Ran Globe basket, stopped at 4996'; COOH, no recovery. Ran impression block. Ran 2-3/8" tbg & mill, milled 5004'-5006' in 2½ hrs. COOH w/tbg & mill.

7-13-77: Ran 2-3/8" tbg, flat bottom mill and bumper sub on 4 DC's. Milled on pkr 5 hrs f/5006'-5010'. COOH.

7-14-77: Ran 2-3/8" tbg and Baker-R pkr, set at 4915'. Pressured tbg to 1500#, could not pump into formation. Raised tbg & pkr, reset at 2965'. Pressured 4½" csg annulus w/1000# CR. Pmpd down tbg three csg perfs 2997-3110' at 1.2 BPM at 450#. Pld tbg & pkr.

7-15-77: Ran tbg OE to 3142'. Howco spotted 60 sx Class H cnt. Pld tbg to 2292'. Displaced cnt in perfs 2997-3100' w/7 BW. Held 50# pressure on well for 18 hrs.

7-16-77: Lowered tbg, tagged TOC at 2534'. Pld tbg. Ran tbg w/DCs and 3-13/16" bit, tagged top of cement at 2534'. MI reverse unit.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED W. J. Mueller

TITLE Engineering Advisor

DATE 7-28-77

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

- 7-17-77: Drld cmt stringers 2-2918', cmt to 2948', bit went free to 3150', no cmt. Well started flwg. Flwd 2 hrs, rec 15 BO, 85 BW. Lowered bit to 3150', no cmt. Pumped into formation at 1-1/2 BPM at 450#. Pld tbg, DCs and bit.
- 7-18-77: Set 2-3/8" tbg OE at 3107', Howco spotted 100 sx Class C cmt over perfs 3100' to 2997', flushed tbg w/5 BW. Pulled tbg to 1469', displaced cement in six stages using total of 18 1/2 BW. Max press 600#, Drilling press 475#.
- 7-19-77: Pulled tbg, ran tbg w/4 DCs, 4 1/2" csg scraper and 3-7/8" bit, tagged TOC at 2889'. Drld hard cement to 3120', cmt stringers to 3358'. Pressured csg to 1000#, started pmpg into formation and pressure broke to 450#. Pmpd in 3 BPM. Pld tbg, DCs, scraper & bit.
- 7-20-77: Set 2-3/8" tbg OE in Baker-R pkr set at 3218'. Press tbg to 1500#, bled to 0# in 3 mins. Pmpd into 4 1/2" csg perfs 2997-3100' at 3 BPM w/250#. Pld tbg & pkr. SD 8 hrs, unit repairs.
- 7-21-77: Ran 2-3/8" tbg w/Baker-R pkr and BP, set pkr at 3290', BP at 3286'. Tested BP to 2000#, OK. Pld tbg & pkr. Set 2-3/8" tbg OE at 3289', spotted 1' sand on top of BP. Pld tbg to 3114'. Howco spotted 100 sx Class C cmt, flushed w/5 BW. Pld tbg to 1567' and flush-w/21 BW. Cmt displaced to 2900' on seven stages. Max press 650#, holding press 500#. WOC 16 hrs.
- 7-22-77: WOC 3 hrs. Ran 2-3/8" tbg w/DCs and 3-7/8" bit, tagged cmt at 3015'. Drld cmt to 3116'. Tested perfs 2997'-3100'. Pld tbg & bit. Set reta BP at 3150', pkr at 2803'.
- 7-23-77: Pmpd in perfs 2997-3100' at 1/2 BPM w/1500#. Spotted 50 sx Class C cmt w/2% CaCl₂, displaced cement to 2900' w/2000#, holding pressure 1400#. WOC 6 hrs. Pld tbg & pkr. Ran tbg & bit. WOC.
- 7-24-77: Drld cmt 2879-3100', lowered tbg to 3250'. Tested perfs to 1000#, held OK. Pld tbg, re-ran and fished BP at 3150'. Ran tbg w/3-7/8" bit to 5010'.
- 7-25-77: Drld out pkr at 5010', cleared hole to 5385'. Pld tbg & bit. Ran tbg w/pkr and set at 4815' w/packer on bottom.
- 7-26-77: Runco treated down tbg thru csg perfs 5014'-5235' w/1000 gals 15% NE acid, flushed w/50 BW. Max press 2400#, min 1200#, ISOP 200#, vacuum in 5 minutes. AIR 3 BPM. Pld tbg & pkr.
- 7-27-77: Ran 2-3/8" Salta lined tbg w/Baker AD pkr, set at 4832'. Loaded annulus w/treated water. Injected 50 BW on vacuum, csg perfs 5014-5235'. Restored to SWD service.