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NEW MEXICO OIL CONSERVATION COMMISSION

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

RECEIVED

MAY 19 1978

O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: 647

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" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name: Empire Abo Pressure Maintenance Project

2. Name of Operator: Atlantic Richfield Company

8. Farm or Lease Name: Empire Abo Unit "H"

3. Address of Operator: P. O. Box 1710, Hobbs, New Mexico 88240

9. Well No.: 301

4. Location of Well: UNIT LETTER N, 150 FEET FROM THE South LINE AND 1650 FEET FROM THE West LINE, SECTION 33 TOWNSHIP 17S RANGE 28E NMPM.

10. Field and Pool, or Wildcat: Empire Abo

15. Elevation (Show whether DF, RT, GR, etc.): 3659.8' GR

12. County: Eddy

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK [ ]
- TEMPORARILY ABANDON [ ]
- PULL OR ALTER CASING [ ]
- PLUG AND ABANDON [ ]
- CHANGE PLANS [ ]
- OTHER [ ]

SUBSEQUENT REPORT OF:

- REMEDIAL WORK [ ]
- COMMENCE DRILLING OPNS. [ ]
- CASING TEST AND CEMENT JOB [X] Production
- ALTERING CASING [ ]
- PLUG AND ABANDONMENT [ ]
- OTHER Log, Perf, Acidize, Cmt Squeeze & Complete [X]

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.

Finished drlg 7-7/8" hole to 6378' @ 7:30 PM 4/29/78. Ran DLL w/RXO & Caliper, GR-N, GR, CNL, FDC w/caliper, GR Sonic, VDL logs. RIH w/5-1/2" OD 15.5# K-55 csg, FS, FC & SC. Csg set @ 6368'. FC @ 6318', SC @ 3013'. Cmtd 1st stage w/100 bbls 2% CaCl, 10 bbls SAM-5 spacer, 25 BFW, 475 sx Cl C Thik-set cont'g 2% CaCl. PD @ 3:00 PM 5/2/78. Opened SC & cmtd 2nd stage w/675 sx Howco Lite cont'g 8# salt/sk followed by 100 sx Cl C cont'g 8# salt/sk. PD & bumped @ 7:15 PM 5/2/78. Circ 125 sx cmt to pit. Cut off 5-1/2" csg & installed WH. WOC. WIH w/bit, drld DV tool @ 3003'. CO hole to 6282' PBD. Press tstd csg to 1500# 30 mins OK. Ran TDT-K log, good cmt bond 5910' to TD. Perf'd Abo 6206-6226' w/2 JSPF (40 - .40" holes). RIH w/Lok-set pkr on 2-3/8" OD EUE tbg, set pkr @ 6111'. Acidized Abo perfs 6206-6226' w/300 gals 15% NEFE acid, 500 gals 10# CaCl wtr, 500 gals LC, 2000 gals 60/40 15% NE xylene, flushed w/18 BLC. Swbd Abo perfs 6206-6226' 9 hrs, rec 28 BLO, 67 BLW & 73 BFW. SITP 0#. On 6 hr swab test rec 80 BFW, no oil or gas. RIH w/cmt retr, set @ 6155'. Squeeze cmtd perfs 6206-6226' w/150 sx Cl C LWL cmt followed by 75 sx Cl C , 2% CaCl. RO 58 sx cmt. Final squeeze press 4000#. Perf'd Abo 6084-6100' w/2 JSPF (34 shots). RIH w/Lok-set pkr, set @ 5895'. Acidized perfs 6084-6100' w/300 gals 15% HCL followed by 1000 gals 10# CaCl wtr, 1000 gals LC, 2000 gals 60/40 15% NE/xylene, flushed w/24 BLC. SI 14 hrs. Swbd 9 hrs, rec 48 BLO, 52 BNO & 32 BLW. Turned into test tank flwg. On 24 hr potential test 5/15/78 flwd 514 BO, 0 BW & 278 MCFG, 48/64" ck, 225# FTP, GOR 540:1. Final Report.

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

SIGNED [signature] TITLE Dist. Drlg. Supt. DATE 5/18/78

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAY 22 1978

CONDITIONS OF APPROVAL, IF ANY: