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U.S.G.S.

LAND OFFICE

OPERATOR

NEW MEXICO OIL CONSERVATION DIVISION

NOV 15 1978

O. C. C.

ARTESIA, OFFICE

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

5a. Indicate Type of Lease

State ☒

Fee ☐

5. State Oil & Gas Lease No.

647-349, 647-351

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 ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator

Atlantic Richfield Company

3. Address of Operator

P. O. Box 1710, Hobbs, New Mexico

4. Location of Well

UNIT LETTER 0 815 FEET FROM THE South LINE AND 2525 FEET FROM

THE East LINE, SECTION 33 TOWNSHIP 17S RANGE 28E NMPM.

7. Unit Agreement Name

Empire Abo Pressure Maintenance Project

8. Farm or Lease Name

Empire Abo Unit "H"

9. Well No.

312

10. Field and Pool, or Wildcat

Empire Abo

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

3664.9' GR

12. County

Eddy

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐

CHANGE PLANS ☐

CASING TEST AND CEMENT JOBS ☒

Production String

OTHER Log, perf, treat & complete ☒

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 6405' @ 7:15PM 9-5-78. Ran GR-N, Sonic VDL,DLL-RXO, CNL-FDC. RIH w/5-1/2"OD 15.5#K-55 csg set @ 6405'. FS @ 6405', FC @ 6361', DV tool @ 3978'. Cmdt 5-1/2"OD csg 1st stage w/25BFW, 10 bbls SAM-5 spacer, 10BFW, 335sx HOWCO Lite cmt Cont'g 10# 20/40 sd/sk & 5# 100 mesh sd/sk followed by 220sx Thick-set cmt, 2% Ca Cl. Opened D.V. tool, circ 100sx. Cmdt 2nd stage w/900sx HOWCO Lite, 8# salt/sk followed by 100sx Cl C cmt Cont'g 8# salt/sk. Did not circ. WOC 72 hrs. Cut off csg, installed wellhead. Ran temp survey, indicated TOC @ 600' fr surf. RIH w/bit, drld DV tool @ 3978', finished in hole w/bit, tagged cmt @ 6346'. Press tested csg to 1500# for 30 mins, OK. POH w/bit. Ran GR-CBL TOC @ 550', good cmt bond. RIH w/2-3/8"OD tbg to 6135'. Swbbd csg to 5500', POH w/tbg. Perfd Abo 6261-6281', w/2JSPF. RIH w/pkr, SN on 2-3/8"OD EUE tbg, set pkr @ 6112'. Acidized perfs 6261-81' w/150 gals 15% NEA, 1000 gal 10# Ca Cl wtr, 1000 gals gelled LC, 1500 gals 60/40 15% acid/Xylene, flushed w/18BLC. Swbbd 8 hrs, rec 15BLO, 80 BLW, 10 BFW. POH w/pkr & tbg. RIH w/cmt retr on 2-3/8"OD EUE tbg, set retr @ 6238', squeezed Abo perfs 6261-6281' w/150sx Cl C cmt contg 6/10 of 1% Hal-9, 75sx Cl C cmt Contg 2% Ca Cl, 30sx cmt on top of retr. RIH w/bit, cleaned out to 6238'. POH w/bit. Perf'd Abo 6150-6170' w/2JSPF (40 holes). RIH w/pkr on 2-3/8"OD EUE tbg, set pkr @ 6019'. Acidized Abo perfs 6150-70' w/150 gals 15% HCL-NE FE acid, 1000 gals

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

SIGNED John

TITLE Dist. Drlg. Supt.

DATE 11-13-78

APPROVED BY W.A. Gressitt

TITLE SUPERVISOR, DISTRICT II

DATE NOV 16 1978

CONDITIONS OF APPROVAL, IF ANY: