

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

|                        |   |
|------------------------|---|
| NO. OF COPIES RECEIVED |   |
| DISTRIBUTION           |   |
| SANTA FE               | 1 |
| FILE                   | 1 |
| U.S.G.S.               |   |
| LAND OFFICE            |   |
| OPERATOR               | 1 |

5a. Indicate Type of Lease  
State ☒ Fee ☐

5. State Oil & Gas Lease No.

B-7244

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.)

OIL WELL ☒ GAS WELL ☐ OTHER-

Name of Operator ARCO Oil & Gas Company  
Division of Atlantic Richfield Company  
Address of Operator  
P. O. Box 1710, Hobbs, New Mexico 88240

7. Unit Agreement Name

8. Farm or Lease Name

Empire Abo Unit "L"

9. Well No.

15

10. Field and Pool, or WHdcat

Empire Abo

UNIT LETTER 0 660 FEET FROM THE South LINE AND 1980 FEET FROM  
THE East LINE, SECTION 2 TOWNSHIP 18S RANGE 27E NMPM.

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

3560' 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 JOB ☐

OTHER Cmt Squeeze perfs, deepen, run & cmt ☒  
liner, perf & treat

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  
Rigged up on 1/26/81. Kill well, install BOP & POH w/comp assy. Set cmt retr @ 5992'. Cmt squeezed Abo perfs 6042-6062' w/150 sx Cl C cmt plus LWL & 100 sx Cl C cmt contg 2% CaCl<sub>2</sub>. Spot 35' cmt on top of retr. Ran CBL/VDL/ CCL- TOC @ 5489'. Perf'd squeeze holes 5430-32' w/2 JSPF. Set pkr @ 5390', established circ in 5 1/2" x 8-5/8" annulus. POH w/ pkr. Set retr @ 5369'. Cmt squeezed perfs 5430-32' w/75 sx BJ Lite, 75 sx Cl C cmt w/2% CaCl<sub>2</sub>. Spot 10' cmt on top of retr. Still trace of gas to surf. Perf'd squeeze holes 5140-42' w/2 JSPF. Set cmt retr @ 5093'. Cmt squeezed perfs 5140-42' w/800 sx BJ Lite cmt & 225 sx Cl C cmt w/2% CaCl<sub>2</sub>. Spot 10' cmt on top of retr. Did not circ cmt. Ran temp survey, indicated TOC @ 230' from surf. WOC. RIH w/bit, tagged TOC @ 5085'. Drld cmt & cmt retr @ 5093', cmt to 5143'. Press tested squeeze job to 1500# for 30 mins, OK. Drld cmt & cmt retr @ 5369', drld cmt to 5433' & CO to 5495'. Press tested squeeze job to 1500#, bled off to 1000# in 5 mins. Set pkr @ 5390', established pump in rate, perfs 5430-32' 1.5 BPM @ 2700#, POH w/pkr. Set cmt retr @ 5369', acidized perfs 5430-32' w/250 gals 15% HCl acid. Cmt squeezed perfs 5430-32' w/50 sx Cl C LWL & 75 sx Cl C cmt w/2% CaCl<sub>2</sub>. Spot 40' cmt on top of retr. WOC. Drld out cmt & cmt retr @ 5366', hard cmt to 5465'. Press tested perfs 5430-32' to 1500# for 30 mins, OK. Drld cmt & cmt retr @ 5992', cmt to 6066' & CO to 6088'. Press test perfs 6042-62' to 1500#, bled to 550# in 30 mins. RIH w/pkr, set @ 6020', press tested squeeze perfs 6042-62' w/1500#, bled to 900# in 30 mins. POH w/ pkr. RIH w/RBP & pkr, set RBP @ 5810' spot 2 sx sd on RBP. Set pkr @ 5191', spot 250 gals 15% HCL acid. Squeeze cmtd perfs 5430-32' w/75 sx Cl C plus LWL, 75 sx Cl C cmt. RO 2.5 bbls cmt. WOC. Drld out cmt to 5609'. Press

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

SIGNED W. A. Daniel for J. W. Schmidt

TITLE Dist. Drlg. Supt.

DATE 3/18/81

APPROVED BY W. A. Daniel

TITLE WILSON DISTRICT W

DATE MAR 26 1981

CONDITIONS OF APPROVAL, IF ANY:

tested perfs 5140-42' & 5430-32' to 1500# for 30 mins, OK. Rec RBP @ 5810'. Drill new hole 6122-6135' TD on 2/20/81. RIH w/ comp assy, set pkr @ 6108'. In 3 hrs swbd 2 BO, 15 BW. Acidized Abo 6122-6135' OH w/3000 gals 60/40 DAD & flushed w/20 BLO. In 9 hrs swbd 53 BO, 49 BW. POH w/pkr. RIH w/Hydraulic comp assy, set pkr @ 6092'. On 24 hr potential test 3/10/81 pmpd 116 BO, 0 BW, 307 MCFG. GOR 1919:1. Prior prod 33 BO, 0 BW, GOR 20,000:1.  
FINAL REPORT.

tested perfs 5140-42' & 5430-32' to 1500# for 30 mins, OK. Rec RBP @ 5810'. Drill new hole 6122-6135' TD on 2/20/81. RIH w/ comp assy, set pkr @ 6108'. In 3 hrs swbd 2 BO, 15 BW. Acidized Abo 6122-6135' OH w/3000 gals 60/40 DAD & flushed w/20 BLO. In 9 hrs swbd 53 BO, 49 BW. POH w/pkr. RIH w/Hydraulic comp assy, set pkr @ 6092'. On 24 hr potential test 3/10/81 pmpd 116 BO, 0 BW, 307 MCFG. GOR 1919:1. Prior prod 33 BO, 0 BW, GOR 20,000:1.

FINAL REPORT.