

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

RECEIVED

AUG 03 1981

Form C-103
Revised 10-1-79

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
647-368	347-320
647-363	

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 ☐		7. Unit Agreement Name Empire Abo Pressure Maintenance Project
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company		8. Farm or Lease Name Empire Abo Unit "F"
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No. 382
4. Location of Well UNIT LETTER <u>F</u> , <u>2400</u> FEET FROM THE <u>North</u> LINE AND <u>1600</u> FEET FROM THE <u>West</u> LINE, SECTION <u>35</u> TOWNSHIP <u>17S</u> RANGE <u>28E</u> NMPM.		10. Field and Pool, or Wildcat Empire Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3675.6' 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 ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPHS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	
		OTHER <u>Repair Water flow</u> ☒	

17. Describe the 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 5/15/81, POH w/comp assy. Inst BOP. Set RBP @ 3816', spot 3 sx sd on top. RIH w/pkr, set pkr, found csg leak @ 1306-1590'. Pmpd 25 bbls caustic wtr, squeeze csg leak 1306-1590' w/250 sx Cl C cont'g 2% CaCl₂. TOC @ 1230'. WOC. POH w/pkr. Press csg to 1500# for 30 mins, OK. Drld out cmt, Ran pkr, set @ 1012'. Cmt squeezed csg leak 1306-1590' w/ 500 sx Cl C cont'g 6% gel & 150 sx Cl C cont'g 3% CaCl₂. POH w/pkr. WOC. Cmt top found @ 1135'. RIH w/bit, drld out cmt to 1690'. Press tested csg to 1500#, for 30 mins. Press dropped, no squeeze. RIH w/cmt retr. Set ret @ 1197'. Squeezed csg leak 1306-1590' w/100 sx Cl H cont'g 6% gel & 400 sx Cl H w/additives. WOC. Drld out retr & cmt to 1538'. POH w/bit. RIH w/pkr, set @ 1013'. Pmpd 400# caustic in 20 BW. Cmt squeezed csg holes 1306-1590' w/300 sx Cl C MP 600#. WOC. RIH w/bit, drld cmt to 1366'. Found wtr flow 1319-1356'. RIH w/cmt retr, set retr @ 1250'. Cmt squeeze holes in csg 1306-1590' w/250 bbl 10# brine, 100 sx Cl C cmt contg 6% gel, 1 BFW, 250 gals Flo-chek, 1 BFW, 300 sx Cl C cmt contg 6% gel, 1 BFW, 300 gals Flo-chek, 1 BFW & 500 sx Cl H cont'g 6#/sx salt Max-P 300#. No squeeze, inj rate established 2 BPM @ 1500#. Squeeze cmtd 1306-1590' w/200 sx Cl H contg 6% gel, 250 gals Flo-chek, 200 sx Cl H contg 6% gel, 250 gal Flo-chek, 200 sx Cl H contg 4% CaCl₂, 500 gal Flo-chek, 500 sx Cl H contg 3#/sx salt. WOC. Drld out cmt to 1475'. Press tested csg to 1500#, bled off to 1000# in 5 mins. POH w/bit. RIH w/tbg to 1610'. Spot 75 sx Cl C cmt w/ 3/10 of 1% CFR-2. POH w/tbg. Press up on csg to 2000#, held OK. WOC. Drld cmt to 1636'. Press up on csg to 1500# for 30 mins, OK. Circ sd off BP. Retrieve BP @ 3816'. RIH w/comp assy, set pkr

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

SIGNED J.W. Schmidt TITLE Dist. Drlg. Supt. DATE 7/31/81

APPROVED BY Michael Williams TITLE SUPERVISOR, DISTRICT 1 DATE AUG 05 1981

CONDITIONS OF APPROVAL, IF ANY:

@ 6093'. On 24 hr test 7/26/81 pmpd 170 BO, 146 BW, 160 MCFG. GOR 941.:1.
FINAL REPORT.