

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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AUG 04 1981
O. C. D.
ARTESIA, OFFICE

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
B-11594-3	

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 "K"	
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No. 211	
4. Location of Well UNIT LETTER L FEET FROM THE 1950 South LINE AND 1000 FEET FROM West 6 18S 28E THE LINE, SECTION TOWNSHIP RANGE NMPM.		10. Field and Pool, or Wildcat Empire Abo	
15. Elevation (Show whether DF, RT, GR, etc.) 3635.9' GR		12. County Eddy	

16. 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 OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	Csg test, drill horizontal hole & 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.

On 6/02/81 rigged up, drilled DV tool @ 4010'. Pressure tested 7" OD csg to 1500#, OK. Drill & CO to 6199' PBD. Ran GR-CBL, good cmt bond. Ran multi-shot Gyro Survey PBD-surf. RIH w/K-Mill tool @ 6129'. Milled 7" csg 6129-6141'. POH w/K-Mill tool. On 6/12/81 displ hole w/300 bbl FW. Pmpd 10 bbls Mud flush. Pmpd 50 sx Cl H cmt, spotted cmt plug 6160-6120'. WOC. RIH w/6 1/2" bit, tagged POC @ 6040'. Drld out cmt 6040-6141' to btm of csg window @ 6141'. POH w/bit. RIH w/4-1/8" bit, drld cmt 6141-6150'. POH w/bit. RIH w/6" bit, reamed & drld 6143-6190'. Circ hole clean. POH w/bit. RIH w/Model DW-1 whipstock anchor/pkr w/key locator, set pkr @ 6169'. Checked window @ 6130-6142'. Ran Eastman survey in pkr. Key locator facing N89°W. RIH w/Orientation anchor assy, anchor pipe, whipstock, 5 1/2" FJ sheath pipe & TIW holddown. Landed in Mod D pkr @ 6169'. Set TIW holddown w/20,000#, POH w/setting tool. Whipstock zenith @ 6134'. On 6/27/81 commenced drlg 4-3/4" drainhole #1 @ 6136.5', TVD 6129.66'. On 6/29/81 drld to 6164.5'. Ran survey @ 6164.5', 62°N 77°W, W9.33', N196.10', TVD 6153.61'. Drld to 6178.5'. Ran survey @ 6176.5' = 79°N 79°W true, TVD 6157.6', W20.36', N198.44'. Drld to 6185.5'. Ran Survey #3 @ 6183.5' = 97.3°N 84°W true, TVD 6157.23'. Ran Survey #4 @ 6183.5' = 97°N 84°W, TVD 6157.23'. Survey #5 @ 6176.5' = 82.7°N 82°W, TVD 6157.23'. Drld 4-3/4" drainhole to 6210.5'. POH w/bit, reamed hole to 6185'. RIH w/4-3/4" bit, drld 6210.5'-6234.5'. Ran Survey #6 @ 6232.5' = 104°N 86°W true, TVD 6145.32', W86.52', N203.22'. Ran Survey #7 @ 6187.5' = 102°N 84°W true, TVD 6156.89', W40.90', N199.23'. Drld 6234.5'-6297.5'. Ran Survey #8 @ 6297.5' = 106°N, TVD 6130.14' @ 273°. On 7/12/81 ran 4-3/4" bit in hole. Drld 6297.5'-6311.5' TD, TVD 6125.66', N208.34'.

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

SIGNED J.W. Schmidt For: J.W. Schmidt TITLE Dist. Drlg. Supt. DATE 7/29/81

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT DATE AUG 05 1981

CONDITIONS OF APPROVAL, IF ANY:

W163.07⁰, Closure 264.57 @ N38W. Displ hole w/ 2% KCl wtr & 3% ARCO F-651 in OH. RIH w/ Mod R Db1 grip pkr & SN, set pkr @ 6002'. Swbd Abo horizontal drainhole 6130-6311.5' 5 hrs, rec 0 BNO, 0 BFW. On 7/17/81 ITP 150# in 12 hrs. Swbd Abo horizontal drainhole 6130-6311.5' 9 hrs, rec 6 BNO, 82 BFW. On 7/20/81 swbd & flwd 9 hrs, rec 100 BNO, 5 BLW. POH w/pkr. RIH w/pkr & Kobe pump cavity, set pkr @ 5985'. Run standing valve. On 24 hr potential test 7/28/81 pmpd 184 BO, 23 BW, 148 MCFG, GOR 804:1.
FINAL REPORT.