

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

NO. OF COPIES RECEIVED	3
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. 647-364

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE APPLICATION FOR PERMIT - 1 (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 Box 1710, Hobbs, New Mexico 88240		9. Well No. 334	
4. Location of Well UNIT LETTER E, 1700 FEET FROM THE North LINE AND 620 FEET FROM THE West LINE, SECTION 34, TOWNSHIP 17S, RANGE 28E, N.M.P.M.		10. Field and Pool, or Wildcat Empire Abo	
15. Elevation (Show whether DF, RT, GR, etc.) 3674.8' 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 ☒ Prod	
		OTHER Log, Perf, Acidize & 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.

Fin drlg 7-7/8" hole to 6350' TD @ 12:30 AM 5/23/79. Ran GR CNL, DLL-MLL. RIH w/5 1/2" OD 15.5# K-55 csg, set @ 6350'. DV tool set @ 2992'. Cmdt 1st stage w/400 sx BJ Lite cmt w/5# Kolite/sk 1/4# flocele/sk, 5# salt/sk followed by 500 sx C1 C 50/50 Poz w/2% gel, 5# salt/sk. Open DV tool & circ 100 sx cmt to pit. Cmdt 2nd stage w/700 sx BJ Lite cmt w/8# salt/sk, 1/4# celloflake/sk, 2% CaCl followed by 200 sx Thik-set w/2% CaCl. Circ 200 sx cmt to pit. WOC 72 hrs. DO DV tool @ 2992'. Press tstd csg to 1500# 30 mins OK. Ran CBL, cmt OK. TOC @ 785' FS. Perf'd 5 1/2" csg @ 770'. Acidized perfs w/250 gals 15% HCL. Ran cmt retr to squeeze cmt perfs @ 770' w/50 sx LWL cmt, 50 sx C1 C w/2% CaCl. No bradenhead squeeze. Initial BH 150 psi. WOC 61 hrs. Drld cmt, cmt retr & cmt across perfs. Press tested csg to 1500# 30 mins OK. Ran CBL, good bond 790-690', good bond 46-24', otherwise poor cmt bond. Perf'd Abo 6166-76' w/2 JSPF. RIH w/Model R pkr on 2-3/8" tbg, set pkr @ 6079'. Acidized perfs 6166-76' w/150 gals 15% LSTNE-FE acid, 1000 gal 10# CaCl wtr, 1000 gal gel LC, 1000 gal 15% HCL-LSTNE-FE, flushed w/24 BLC. In 14 hrs flwd 10 BNO. In 14 hrs flwd 54 BO, 25-50# FTP on 32/64" ck. On 24 hr potential test 7/21/79 flwd 94 BO, 2 BW & 42 MCFG, 80# FTP, 48/64" ck, GOR 447:1. 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 7/25/79

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE JUL 30 1979

CONDITIONS OF APPROVAL, IF ANY: