

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-73

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.O.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 DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐		RECEIVED AUG 6 1979 O.C.C. ARTESIA, OFFICE		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. 336	
4. Location of Well UNIT LETTER E 2000 FEET FROM THE North LINE AND 1000 FEET FROM THE West LINE, SECTION 34 TOWNSHIP 17S RANGE 28E NMPM.				10. Field and Pool, or Wildcat Empire Abo	
15. Elevation (Show whether DF, RT, GR, etc.) 3668.1' 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 ☐		CASING TEST AND CEMENT JOBS ☒ Prod Csg	
OTHER ☐		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 @ 6:15 AM 6/6/79. Ran GR-CNL-FDC, DLL-MLL w/RXO. DST #1 6037-6062' Abo. Top pkr set @ 6037'. Btm pkr set @ 6062'. Pkrs failed to hold, no test. RIH w/5 1/2" OD 15.5# K-55 csg, set @ 6350'. FC set @ 6316'. DV tool @ 3353'. Cmtd 1st stage w/25 BFW, 10 bbls SAM-5, 10 BFW, 400 sx Howco Lite, 5# gilsonite, 1/4# flocele, 5# salt/sk followed by 350 sx C1 C cmt 50/50 LP, 2% gel, 5# salt/sk. PD @ 12:30 PM 6/9/79. Cmtd 2nd stage w/25 BFW, 950 sx C1 C Thik-set cmt w/2% CaCl. PD @ 5:30 PM 6/9/79. Circ 210 sx cmt to pit. WOC 48 hrs. DO DV tool @ 3353'. Press tstd csg to 1500# 30 mins OK. Ran CBL, good bond 6316-5316' & 3400-2590'. Poor to no bond 2590-0'. Perf'd 5 1/2" csg @ 1464' w/4 holes. Set cmt retr @ 1414' & sqzd w/50 sx LWL cmt & 25 sx C1 C cmt w/2% CaCl. Rev out 10 sx cmt to pit. Squeeze press 2100#. WOC. Had water flow @ 34 BPD out csg. Perf'd 4 holes @ 1090'. Circ thru perfs 1090' to surf. RIH w/retr, set @ 1047'. Sqzd perfs @ 1090' w/125 sx LWL cmt & 75 sx C1 C cmt w/2% CaCl. RO 4 sx cmt. No wtr flow. WOC. DO retr @ 1047' & cmt to perfs @ 1090'. Press tested csg to 1500# 30 mins OK. Had small wtr flow from bradenhead. Spotted 3 bbls acid @ 1090', br form w/1800#. Had back flow of wtr ARO 10 BPH. RIH w/retr, set @ 1047'. Cmt squeezed perfs @ 1090' w/125 gals 15% HCl acid, 75 sx C1 H Thik-set, 3% CaCl. Squeeze press 2100#. RO 5 sx cmt to pit. WOC. Drld retr @ 1047' & squeezed perfs @ 1090'. Press tstd csg to 1500# 30 mins OK. Drld retr @ 1414' & sqzd perfs @ 1464'. Press tstd csg to 1500# 30 mins OK. Ran bit to 6316' PBD OK. Perf'd Abo 6215-6229' w/2 JSPF. RIH w/Model R dbl grip pkr on 2-3/8" OD tbg, set pkr @ 6123'. Acidized perfs w/150 gal 15% HCL-LSTNE-FE acid, 1000 gal gel CaCl wtr, 1000 gal gel LC, 1000 gal 15% (cont'd on back)

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

SIGNED L. D. Lane TITLE Dist. Drlg. Supt. DATE 8/3/79

APPROVED BY W. A. Gussitt TITLE SUPERVISOR, DISTRICT II DATE AUG 7 1979

CONDITIONS OF APPROVAL, IF ANY:

HCL-LSTNE-FE acid w/RA mat'l. Flwd 65 BO, 2 BW in 18 hrs. Well dtd. Ran hydraulic pmp equipment. On 24 hr potential test 8/1/79 pmpd Abo perfs 6215-6229' 414 BO, 1 BW & 150 MCFG, 3100# HP, GOR 362:1. Final Report.