

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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C.L. CONSERVATION DIVISION
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P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

MAY 14 1979

D. C. C.
ARTESIA OFFICE

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
647-351	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG SAYS TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - " (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐		7. Unit Agreement Name Empire Abo Pressure Maintenance Project
8. Name of Operator ARCO Oil & Gas Company Division of Atlantic Richfield Company		8. Farm or Lease Name Empire Abo Unit "F"
9. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No. 342
10. Location of Well UNIT LETTER <u>F</u> <u>1450</u> FEET FROM THE <u>North</u> LINE AND <u>1900</u> FEET FROM THE <u>West</u> LINE, SECTION <u>34</u> TOWNSHIP <u>17S</u> RANGE <u>28E</u> N.M.P.M.		10. Field and Pool, or Wildcat Empire Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3672.1' 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 OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☒ Prod. Csg.	OTHER <u>Squeeze cmt, perforate, acidize &</u> ☒ 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 4-11-79 lost circ @ 6039'. Spotted LCM plugs. W/DP @ 6012' prmpd 100 BBW, 6 Bbls pre-flush, 12 bbls Saf-Mark III, 6 Bbl. preflush, 6 BFW followed by 100 sx Thik-set cmt, 3% CaCl, 5# Gilsonite, 1/4# celloflake/sk. WOC. Drld out cmt & LCM plug w/full returns. Finished drlg 7-7/8" hole to 6356' TD @ 10:30 PM 4-15-79. Ran DLL-Micro LL, CNL-FDC logs. RIH w/5-1/2" OD 15.5# K-55 csg set @ 6356'. FS set @ 6356', FC set @ 6314', DV tool set @ 4560'. Cmtd 5-1/2" OD csg 1st stage w/25 BFW, 12 bbls CW 1001, 10 BFW, 150 sx DLW w/5# Kolite, 5# salt, 1/4# celloflake/sk followed by 350 sx 50/50 LP III w/2% gel, 3# salt/sk. Circ 200 sx cmt to pit. Cmtd 2nd stage w/1400 sx RF cmt w/2% CaCl. Cmt did not circ to surf. WOC 72 hrs. Temp survey indicated TOC @ 600' fr surf. Perfd 4 JSPF @ 560'. Established circ thru perfs. RIH w/cmt retr set retr. @ 502'. Squeeze cmtd perfs @ 560' w/150 sx Cl C cmt w/2% CaCl. Cmt circ to pit. Squeeze press 1000#. RO 5 sx cmt. Drld cmt & retr @ 502', cmt to 560'. Press tested squeezed perfs w/1500# for 30 mins. OK. Drld DV tool @ 4558'. CO to FC @ 6314'. Ran CBL-GR 6314-4310'. OK. Perfd Abo 6206-16' w/2 JSPF. RIH w/pkr & tbq, set pkr @ 6098'. Flwd 67 BO, 11 BW in 8 hrs on 32/64" ck. Acidized Abo perfs 6206-6216' w/150 gals gelled LC, 1500 gals of 15% HCL-ISTNE-FE, flushed w/24 BLC. Kicked off flwg ARO 486 BOD on 48/64" ck. On 24 hr potential test 5-8-79 flwd 499 BO, 0 BW, 252 MCFG, FTP 120# on 48/64" ck, GOR 505:1. Final Report.

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

SIGNED F. P. Jones TITLE Dist. Drlg. Supt. DATE 5-11-79

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAY 14 1979

CONDITIONS OF APPROVAL, IF ANY: