

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

O. CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
647-371	

SUNDRY NOTICES AND REPORTS ON WELL **JUN 1 1979**
(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- ☐		O. C. C. ARTESIA, OFFICE		7. Unit Agreement Name Empire Abo Pressure Maintenance Project	
2. Name of Operator ARCO Oil & 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. 343	
4. Location of Well UNIT LETTER <u>F</u> <u>2300</u> FEET FROM THE <u>North</u> LINE AND <u>1675</u> FEET FROM THE <u>West</u> LINE, SECTION <u>34</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.) 3662.2' 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 JOB ☒	Production ☒
		OTHER <u>Core, DST, Perf, Treat & Complete</u> ☒	

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.

Ran core orientation point @ 6050' on 4/30/79. Reamed hole 5975-6050'. Cored 6050-6057'. Core bbl plugged. Core #1 6050-57', CB jammed, rec 7'. Core #2 6058-64', CB jammed, rec 6'. Core #3 6068-74', CB jammed, rec 6' highly broken & fractured core. Fin drlg 7-7/8" hole to 6382' TD on 5/6/79. Ran GR-DLL w/RXO, GR-FDC-CNL w/caliper, GR-N, GR-VDC Sonic log. DST #1 5999-6024' Abo, 740 MCF, 1/4" ck, 525#. DST #2 6060-6085', 880 MCF, 1/4" ck, 600#. DST #3 6096-6121', 2.2 MMCF, 3/4" ck, 155#. RO DP, rec 6.4 bbl gas & oil cut mud. POH w/tools. RIH w/5-1/2" OD 15.5# K-55 csg, set @ 6382'. FC @ 6340', DV tool @ 4496'. Cmtd 1st stage w/25 BFW, 10 bbls mud flush, 10 BFW, 150 sx Lite, 5# Kolite, 1/4# flocele, 5# salt, 350 sx Cl C 50/50 Poz 2% gel, 3# salt. DV tool open @ 6:30 PM 5/8/79. Circ 135 sx cmt to pit. Cmtd stage 2 w/1600 sx Thik-set w/2% CaCl. Circ 25 sx cmt to pit. Closed tool @ 12:10 AM 5/9/79. Inst WH on 5/9/79. WOC 72 hrs. DO DV tool @ 4496'. Drld wiper plug on FC @ 6340', CO to PBD 6340'. Ran Spectra log. Ran GR-CBL, OK. Perf'd Abo 6222-42' w/2 JSPF. RIH w/dbl grip pkr on 2-3/8" OD EUE tbg, set pkr @ 6115'. Acidized perfs 6222-42' w/150 gals 15% HCL-LSTNE-FE acid, 1000 gal gelled CaCl, 1000 gal gelled LC, 1000 gal 15% HCL-LSTNE-FE, flushed w/24 BLC. Swabbed & kicked off flwg. On 5/25/79 flwd 140 BNO, 32/64" ck, 75# FTP in 14 hrs. On 24 hr potential test 5/27/79 flwd 238 BO, 1 BW & 149 MCFG, 90# FTP, 48/64" ck, GOR 473:1. 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 5/31/79

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE JUN 4 1979

CONDITIONS OF APPROVAL, IF ANY: