

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

Form C-103
Revised 10-1-79

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5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
OG-103

APR - 9 1979

SUNDY 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	6. Farm or Lease Name Empire Abo Unit "K"
3. Address of Operator Box 1710, Hobbs, New Mexico 88240	9. Well No. 232
4. Location of Well UNIT LETTER J, 2300 FEET FROM THE South LINE AND 1570 FEET FROM THE East LINE, SECTION 6 TOWNSHIP 18S RANGE 28E N.M.P.M.	10. Field and Pool, or Wildcat Empire Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3653.1' 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 ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	COMMENCE DRILLING OPERATIONS ☐
PULL OR ALTER CASING ☐	CASING TEST AND CEMENT JOB ☒ Production
OTHER ☐	OTHER Log, Perf, Acidize, Frac & Test ☒

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' @ 10:45 PM 7/14/78. Ran BHC-Sonic VDL, CNL-FDC w/caliper, GR-N & DLL-Micro SFL logs. RIH w/5-1/2" OD 15.5# K-55 csg, set @ 6350'. FC set @ 6302', SC @ 4014'. Cmdt 5-1/2" OD csg in 2 stages. 1st stage cmdt w/20 BW, 10 bbls CW-100 mud sweep, 25 BW, 225 sx Dowell Lite cmt w/10# 20/40 sd/sk & 5# 100 mesh sd/sk, 275 sx RFC w/2% CaCl. BP @ 12:08 PM 7/16/78. Op SC, circ 120 sx cmt to pit. Cmdt 2nd stage thru SC @ 4014' w/10 BW, 1130 sx Dowell Lite cmt w/8# salt/sk followed by 100 sx Cl C cmt w/8# salt/sk. BP @ 5:30 PM 7/16/78. Circ 132 sx cmt to pit. Cmt circ to surf. WOC 48 hrs. Drld SC @ 4014', tagged FC @ 6302' & circ hole clean. Ran GR-PFC log. Perf'd Abo w/2 JSPF 6272-6284'. RIH w/Lok-set pkr on 2-3/8" tbg, set pkr @ 6126'. Ran base temp & GR log. Acidized perfs 6272-6284' w/300 gals 15% HCL-LSTNEA, 1000 gal 10# CaCl wtr, 1500 gal 60/40 15% HCL-LSTNEA/xylene, flushed w/18 BLC. On 10 hr swab test rec 7-1/2 BNO, no wtr. Treated perfs 6272-6284' w/1000 gals LC, 4000 gals 15% HCL-LSTNE w/RA material, 1000 gal 60/40 15% HCL/xylene, flushed w/18 BLC. On swab test, last 1-1/2 hrs rec 1 BO & 1 BW. POH w/pkr & tbg. RIH w/bit, drld FC @ 6302' & cmt to 6340', circ hole clean. Perf'd Abo 6304-6310' w/2 JSPF. RIH w/lok-set pkr on 2-3/8" OD tbg, set pkr @ 6294'. Acidized perfs 6304-6310' w/3000 gal 15% HCL-NE-FE acid. Pmpd down 5-1/2" x 2-3/8" annulus @ 1 BPM. Pmpd acid down tbg @ 2 BPM @ 2000 Comm w/24 bbl acid in fm. Flushed w/24 BLC, MP 2000#, Min 0#. Reset pkr @ 6174'. Swbd Abo 9-1/2 hrs, rec 61 BLW & 7 BLO. In 7 hrs swbd 5 BLO & 15 BLW. Swbd dry in 4 runs. FL @ SN 6174'. On 1/24/79 well indicated 500# on tbg, flwd approx 10 BO & 10 BW. Acid frac'd perfs 6272-6310' w/ 9000 gal super-acid frac emulsion w/50 RCNBS & flush w/35 BLO. 4 hr SIP 1650#. Flwd 1 hr. rec 31 BF & swbd 20 BL. On 2/5/79 SITP 225#, swbd 5 BO in 1 hr. In 8 hrs swbd 5 BO & 3 BW. -52 BL. SI

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

SIGNED [Signature] TITLE Dist. Drlg. Supt. DATE 4/6/79

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE APR 11 1979

CONDITIONS OF APPROVAL, IF ANY: