

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87001

RECEIVED

JUL 20 1979

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
B-2071-25	

SUNDRY NOTICES AND REPORTS ON OIL & GAS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR REPAIR OR TO REEQUIP AN OIL OR GAS WELL OR TO REEQUIP A 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		8. Farm or Lease Name Empire Abo Unit "F"
3. Address of Operator Box 1710, Hobbs, New Mexico 88240		9. Well No. 364
4. Location of Well UNIT LETTER H 1550 FEET FROM THE North LINE AND 750 FEET FROM East THE LINE, SECTION 34 TOWNSHIP 17S RANGE 28E NMPM.		10. Field and Pool, or Wildcat Empire Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3675.6' 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 Csg	
		OTHER Log, Perf, Squeeze Cmt, Treat & 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 1108.

Encountered water flow in 7-7/8" hole @ 2655' ARO 14 BPH, incr to 170 BPD @ approx 5755'. Lost 100 bbls mud @ 6200', mixed LCM, regained full circ. Fin drlg 7-7/8" hole to 6350' TD @ 7:45 AM 6/20/79. Ran DLL w/RXO, GR-CNL-FDC w/caliper. RIH w/5 1/2" OD 15.5# K-55 csg, set @ 6350'. FC @ 6305', DV tool @ 3981'. Cmdt 1st stage w/20 BFW, 230 sx BJ Lite cmt, 8# gilsonite, 1/4# flocele/sk followed by 250 sx 50/50 Pozmix, 8# gilsonite, 1/4# flocele. BP @ 6:50 AM 6/22/79. Opened DV tool circ 125 sx cmt to pit. Cmdt 2nd stage thru 2 2" lines from WH to control water flow w/1100 sx Sure-fill cmt. BP & closed SC @ 1:00 PM 6/22/79. Circ 190 sx to pit. WOC 72 hrs. Drld SC @ 3981', press tested csg to 1500# 30 mins OK. DO to 6320'. Ran CBL. Perf'd Abo 6292-6302' w/2 JSPF (21 .46" holes). RIH w/Model R pkr on 2-3/8" OD tbgs, set pkr @ 6189'. Acidized Abo 6292-6302' w/150 gals 15% HCL-LSTNE-FE acid, 1000 gal 10# gel CaCl wtr, 1000 gal gel LC, 1000 gal 15% HCL-LSTNE-FE acid, flushed w/24 BO. Swbd 1 hr, rec 14 BLO & 2 BLW. POH w/pkr & tbgs. Set cmt retr @ 6282'. Squeeze cmdt Abo perfs 6292-6302' w/75 sx C1 C cmt w/2% CaCl. Squeeze press 2000#. RO 15 sx cmt to pit. Pressure tested squeeze job to 1000# 30 mins OK. Perf'd Abo 6224-6234' w/2 JSPF (20 .50" holes). RIH w/Mod R pkr on 2-3/8" OD tbgs, set pkr @ 6129'. Acidized perfs 6224-34' w/150 gals 15% HCL-LSTNE-FE acid, 1000 gal gel CaCl wtr, 1000 gal gel LC, followed by 1000 gal 15% HCL-LSTNE-FE acid, flushed w/25 BLO. Swbd 25 BLO, kicked off flwg. On 24 hr potential test 7/6/79 flwd 241 BO, 1 BW & 132 MCFG on 48/64" ck, FTP 100#, GOR 548:1. Final Report.

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

SIGNED SLK for L.D. Crane TITLE Dist. Drlg. Supt. DATE 7/19/79

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUL 23 1979

CONDITIONS OF APPROVAL, IF ANY: