

OIL 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 ☒ Gas ☐

5. State Oil & Gas Lease No.
B-11594-3

SUNDARY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit/Agreement Name Empire Abo Pressure Maintenance Project
2. Name of Operator ARCO Oil & Gas Company Division of Atlantic Richfield Company	8. Field or Lease Name Empire Abo Unit "J"
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240	9. Well No. 213
4. Location of Well UNIT LETTER E 2050 FEET FROM THE North LINE AND 100 FEET FROM West THE West LINE, SECTION 6 TOWNSHIP 18S RANGE 28E NMPM.	10. Field and Pool, or Whdeat Empire Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3649.2' 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 ☒	Production Csg ☐
		OTHER Log, DST, drill drain hole, treat ☒	

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.

Finished drlg 8-3/4" hole to 6100' 3/25/80. Finished drlg 6" hole 6100-6225' 8:45 AM 3/27/80. Ran DLL-MLL-w/ RXO & CN-CDL w/Caliper. DST #1 Abo 6018-6038'. DST #2, Abo 6058-6078' located gas/oil contact. Opened 6" hole to 8-3/4" 6100-6115'. RIH w/ 7" OD 23# K-55 csg w/ Howco pkr shoe @ 6115', baffle plate @ 6049', DV tool @ 4089'. Cmtd 1st stage w/ 450 sx 50/50 Pozmix "C" w/2% gel, 6#/sk salt, 0.6% Halad-9. Cmtd 2nd stage w/ 800 sx HLC w/ 6# /sk salt, 1/4#/sk flocele, 100 sx Cl "C" 6#/sk salt, 2% CaCl. Circ 165 sx cmt on 1st stage & 150 sx on 2nd stage to pit. Cmt circ to surf. WOC. Drld DV tool @ 4104'. Press tested csg to 1500# for 30 mins, OK. Ran bit to 6225' TD. Circ hole clean. Ran CBL. OK. Ran Multi-shot dev survey 0-6200', TVD 6199.99'. Loc N51.16 E22.76, closure 55.99'. N 23.58E (btm survey N6E). RIH w/ whipstock assy to TD. Oriented whipstock N03W. RIH w/ bit to 6120'. Drld drain hole 6120-6137'. Ran survey @ 6135'=55° S80W. Drld drainhole 6137'-6140', ran survey @ 6138'=59° S77W. Drld drainhole 6140-45'. Ran survey @ 6143'=62 1/2° S88W. Drld 6145-6155'. Ran survey @ 6153'=72° N80W. TVD @ 6153=6139.81'. Ran survey @ 6151' = 68° N84W. Projected TVD @ 6155= 6140.36'. Drld drainhole 6155-6163'. Ran survey @ 6161'= 97° N70W. TVD @ 6161'= 6140.77'. Drld drainhole 6163-6173'. Ran survey @ 6171'= 104 1/2° N70W. TVD 6137.94' @ 6173'. Drld drainhole 6173-6193'. Ran survey @ 6191' 104.3° N59W. TVD @ 6193'= 6132.97'. Drld drainhole 6193-6199'. Ran survey @ 6197= 102° N66W. TVD @ 6197'= 6131.66'. Drld drainhole 6199-6205'. Ran survey @ 6203'= 102° N65W. TVD @ 6205'= 6130.37'. Drld drainhole 6205'-6223'. Ran survey @ 6221'= 98.4° N71W, W61.89, N74.15. Drld drainhole 6223-6231'. Ran survey @ 6229'= 93° N42W. TVD 6126.56', W68.18, N79.51, 92' fr

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

SIGNED D. W. McDaniel TITLE Dist. Drlg. Supt. DATE 7/23/80

APPROVED BY M. K. Williams TITLE OIL AND GAS INSPECTOR DATE JUL 29 1980

CONDITIONS OF APPROVAL, IF ANY:

vertical hole, 104' NW to surf location. Drld drainhole 6231-6234'. Ran survey @ 6233'=94.7° N47W. TVD 6126.29' (W70° .72N82.59'), turned 5° North & 1.7° up fr 6229-6233'. Drld drainhole 6234-6242.5'. Ran survey @ 6240'=102.4° N63W corr to 102.4° N53W, TVD 6125.03'. Project @ 6242.5', 105.2° N58W, TVD 6124.30'=(W77.60N90.87). TD 6242.5', 102' fr 8-3/4" hole. CO hole w/ 2% KCL wtr. Circ KCL wtr out w/LC. Filled hole w/ LC. RIH w/ Mod "R" pkr, set btm of pkr @ 6012.54' SN @ 6003.93'. Swbd 23 BO, (200-6004') swbd dry. Rec 1/2 BO on each swab run every 2 hrs. SITP 20#. RIH w/ coil tbg to 6242' TD. Spot 250 gals 15% MCA dbl inhib acid. Pulled coil tbg to 6140' TVD. 6161' MD, circ out. Pulled coil tbg to 1000', jetted hole to 6242' w/ 75,000 SCF/N2. Swbd hole dry to SN @ 6004'. Ran jetting tool to 6242'. Pmpd 250 gals 15% NE-FE dbl inhib acid, flushed w/ 7.2 bbls 2% KCL wtr. Made 3 complete acid washes 6242-6161' thru drainhole. POH w/ coiled tbg. Swbd fluid down to SN @ 6004'. RIH w/ coiled tbg to 6242', spot 1000 gals 60/40 Xylene acid. Swbd back load, last 5 hrs swbd 100% oil ARO 3.1 bbl per hr. RIH w/ coil tbg to 6242', spot 1000 gals 60/40 PAD acid @ .5 BPM @ 2800#. POH w/ coil tbg, load hole w/ 9 BO. Installed pump. On 12 hr test 14 BLO, 2 BW, 0 MCFG on 7-120" SPM. On 24 hr test 7/28/80 pmpd 8 BO, 0 BW, 2 MCFG on 7-120" SPM. Testing & evaluating for further treatment.