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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B-8814-12

SUNDRY 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.)

RECEIVED

1. Name of Operator	ARCO Oil and Gas Company Division of Atlantic Richfield Company
2. Address of Operator	Box 1710, Hobbs, New Mexico 88240
3. Location of Well	UNIT LETTER <u>K</u> <u>1700</u> FEET FROM THE <u>South</u> LINE AND <u>1400</u> FEET FROM THE <u>West</u> LINE, SECTION <u>2</u> TOWNSHIP <u>18S</u> RANGE <u>27E</u> NMPM.
4. Elevation (Show whether DF, RT, GR, etc.)	3523.4' GR

7. Unit Agreement Name
8. Farm or Lease Name
Empire Abo Unit "K"
9. Well No.
142
10. Field and Pool, or Wildcat
Empire Abo
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>DST, Drill drain hole, Run directional</u> ☒	
		Survey, Perf & 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 1193.

Finished drlg 8-3/4" hole to 5986' on 8/18/79. Fin drlg 6" hole to 6150' TD on 8/19/79. Ran GR-DLL w/RXO, GR-CNL-FDC w/caliper. Opened 6" hole to 8-3/4" from 5986-6027'. DST #1 Abo 5867-5892'. Open for closed chamber build up @ 7:59 AM, closed @ 8:09 AM. Re-open for flow @ 8:23 AM. Stabilized @ 600 MCF on 24/64" ck. Closed tool @ 10 AM. Rec 10 bbl mud, 0 BO. DST #2 Abo 5918-43'. Could not open tools. DST #3 Abo 5918-5943', could not open tools. DST #5 Abo 5918-5943'. Tool open @ 9:29 AM 8/25/79. SI @ 9:40 AM, weak blow increasing to strong in 1 min. 5 mins 75#, 1/4" ck. Gas to surf 14 mins. 84# on 1/4" ck, SI @ 9:40 AM for 30 mins. TO @ 10:10 AM for 85 mins. Open w/strong blow. Oil to surf 11:01 AM. SI @ 11:36 AM. Rec 23 BO. POH w/tools RIH w/7" OD 23# K-55 csg, set @ 6027'. DV tool @ 3974'. Pkr shoe @ 6027'. Cmtd 1st stage w/ 475 sx Thik-set cmt w/12#/sk Gilsonite, 1/4#/sk flocele, 6# salt/sk, 2% CaCl. PD @ 2:45 PM 8/27/79. Opened DV tool & circ 85 sx cmt. Cmtd 2nd stage w/700 sx Howco Lite cmt w/6# salt/sk followed by 100 sx Cl C cmt w/6# salt/sk. PD @ 7:05 PM. Circ 105 sx cmt to pit. WOC 48 hrs. Drld DV tool @ 3975', pkr shoe @ 6027'. CO 6" hole to 6150' SLM. Press tested csg to 1500# 30 mins OK. Ran BH Comp VDL-CBL TD to surf. Ran Gyro/Multi-shot directional survey. Spotted 30 sx Cl H densified 3/10 of 1% CFR-2 & 3# sd/sk 6150-6035'. POH & WOC 30 hrs. Drld cmt 6035-6150'. Cmt too soft. Spot 45 sx Cl H cmt w/5# salt/sk, 5# sd, 2% CaCl. WOC 24 hrs. Drld cmt w/6" bit 5928-6081'. Ran GR-Corr log. Ran 5 1/2" OD 19' radius whipstock w/42' 4 1/2" anchor pipe, 87' 5 1/2" sheath pipe. Oriented whipstock w/btm of anchor pipe @ 6060'. Oriented whipstock S20E, rel whi stock & POH w/setting tool. (cont'd on back)

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

SIGNED <u>[Signature]</u>	TITLE <u>Dist. Drlg. Supt.</u>	DATE <u>10/15/79</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>SUPERVISOR, DISTRICT 11</u>	DATE <u>OCT 19 1979</u>
CONDITIONS OF APPROVAL, IF ANY:		

RIH w/4-3/4" bit to 6037' DP meas (2' below whipstock zenith) Drd 7' to 6044', made connec-
tion, could not get into drain hole #1. Resumed drilling @ 6037' in Drainhole #2. Drd to
6055'. Ran 2 surveys. #1 6064' 36°N69W, #2 6059' 22°N84W. Hole angling to right, vertical
angle build 20'/ft. RIH w/bit, drd 20 add'l ft, 38' total. Drainhole #1 MD 6143'. Drd to
6075' in DH #2. POH to survey. Survey stopped @ 6046' (bottom of DH #1). Drd in DH #1 to
6070'. POH, ran survey. RIH w/angle building assy, drd to 6084'. Ran directional surveys.
RIH w/stabilized BHA, drd to 6134'. POH w/stabilized DC, damaged beyond use. Ran directional
surveys, hole angled from SE to NE w/left spiral. RIH w/angle building assy, drd 9' to 6143'.
Torqued to over 2000ft-#. POH w/bit. For drainhole location see Orientation Survey attached.
RIH w/2-3/8" OD tbg, set OE @ 5899', dbl grip pkr @ 5893', SN @ 5892', circ 2-3/8" x 7" annulus
w/2% KCL wtr w/C-198 pkr fluid. Swbd 0 BO, 59 BW in 15 runs from 5800' w/light gas blow last
3 runs. Swbd & fluid on 18/64" ck to clean up. On 10/6/79 fluid 61 BO, 0 BW, 48 MCFG on 48/64"
ck in 24 hrs. 55# FTP. GOR 787:1. Well died on test. On 24 hr potential test 10/14/79 pmpd
200 BO, 0 BW & 135 MCFG, GOR 670:1. Final Report.