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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

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SUNDY NOTICES AND REPORTS ON WELLS MAR - 9 1978

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

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Atlantic Richfield Company	3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240	4. Location of Well UNIT LETTER I 2310 FEET FROM THE South LINE AND 990 FEET FROM East THE LINE, SECTION 34 TOWNSHIP 17S RANGE 28E NMPM.	5a. Indicate Type of Lease State ☒ Fee ☐	5. State Oil & Gas Lease No. 647	7. Unit Agreement Name Empire Abo Pressure Maintenance Project	8. Farm or Lease Name Empire Abo Unit "C"	9. Well No. 36	10. Field and Pool, or Wildcat Empire Abo	11. Elevation (Show whether DF, RT, GR, etc.) 3664' GR	12. County Eddy
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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 OPS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	
		Repair waterflow behind 5 1/2" csg. ☒	

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.

Rigged up on 1-30-78, killed well & POH w/completion assy. RIH w/RBP, set BP @ 4508', spotted 20' sd on top of BP. Ran CBL & csg inspection logs. Perfd 5 1/2" csg @ 1300' w/4 JS. RIH w/cmt retr, set retr @ 1202'. Cmt 5 1/2" csg thru perfs @ 1300' w/600 sx thik-set cmt, 300 sx Cl H cmt, 100 sx Cl H cont'g 2% CaCl. Max press 1200#, rev out 5 sx cmt, did not circ to surf, returns to surf csg 1/3 to full, shut in surf csg after pmpg. Ran CBL surf to 1175', showed no cmt. Drld out cmt retr @ 1202'. Opened surf csg, had wtr flow. Drld out cmt to 1300'. Pmpd into perfs @ 1300' w/250 BFW w/500#, no returns thru 8-5/8" csg. Pmpd into 8-5/8" csg @ 500# & stopped pmpg on vac. RIH w/FB cmtr on 2-3/8" tbq, set cmtr @ 1080', pmpd 50 bbls flocheck & 400 sx Cl C cmt cont'g 4% CaCl. Stopped pump w/450#, SION. Relsd FB cmtr & POH. RIH w/bit drld cmt 1080-1300', ran bit to 1530', had waterflow. POH w/bit. RIH w/pkr, set pkr @ 1080'. Pmpd 1000 gals Safe Mark III, 200 sx false-set cmt. Final pump press 600#. SION. Rlsd pkr, POH. RIH w/bit, found TOC @ 1100', drld cmt 1100-1300', no wtr flow. Tested csg to 550#. OK. Ran CBL 1770-surf, indicated TOC @ 1268'. Perfd 4 squeeze holes @ 1210'. Had wtr flow. RIH w/pkr. Set pkr @ 952'. Pmpd 500 BFW, had returns out bradenhead. POH w/pkr. RIH w/cmt retr, set retr @ 1106'. Pmpd 1000 sx Howco light cmt followed by 100 sx Cl C cmt cont'g 2% CaCl. MP 1000#. Circ to surf, w/150 sx to pit, SWI, WOC. WIH w/bit, tagged cmt @ 1081', drld cmt & retr @ 1106', cmt to 1212'. Had waterflow. POH w/bit. RIH w/FB cmtr pkr, set pkr @ 980'. Cmt perfs @ 1210' w/1000 gal Safe Mark III & 200 sx false-set cmt. Final pump press 750#. SI WOC 18 hrs. CONT.

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: 2-28-78

APPROVED BY: [Signature] TITLE: OIL AND GAS INSPECTOR DATE: MAR 14 1978

CONDITIONS OF APPROVAL, IF ANY:

Form C-103 Cont.

Empire Abo Unit "G" #36

Relsd pkr & POH. WIH w/bit, drld cmt 1112-1210', no wtr flow, SWI, WOC. 18 Hr. SIP 200#, relsd press. Had wtr flow. POH w/bit. RIH w/ FBRC, set @ 1110'. Pmpd into perfs @ 1210' w/2100 #. POH w/FBRC. RIH w/cmt retr on tbg, set retr @ 1110'. Pmpd 100 sx Cl C cont'g 3/10% of 1% CFR-2, 3# salt, 2% CaCl. Final pump in press 2150#, dec. to 950#. POH w/tbg. WIH w/bit, drld retr @ 1110', cmt to 1300' & ran bit to 1365'. Press tested 5½" csg & perfs to 1300# for 30 mins. OK. Circ hole to 4508'. POH w/bit. RIH w/retr hd. POH w/BP. RIH w/Lok-set pkr on 2-3/8" tbg, set pkr @ 5834', SN @ 5833', btm @ 5837'. On 22 hr potential test 2-20-78 flwd abo perfs 6196-6216' 455 BO, 0 BW, 116 MCFG on 48/64" ck 100# FTP. GOR 256:1. Witnessed by BW Weaver