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NEW MEXICO OIL CONSERVATION COMMISSION

AUG 10 1977

O. C. C.

ADMIN. OFFICE

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

SUNDY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO RE-DRILL OR TO ABANDON A WELL OR TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO DRILL OR TO RE-DRILL OR TO ABANDON A WELL FOR SUCH PROPOSALS.)		5a. Indicate Type of Lease State ☒ Fee ☐
		5. State Oil & Gas Lease No. E-7116
		7. Unit Agreement Name Empire Abo Pressure Maintenance Project
		8. Farm or Lease Name Empire Abo Unit "E"
		9. Well No. 34
		10. Field and Pool, or Wildcat Empire Abo
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 C 1954.48 FEET FROM THE West LINE AND 971.95 FEET FROM THE North LINE, SECTION 34 TOWNSHIP 17S RANGE 28E N.M.P.M.		
15. Elevation (Show whether DF, RT, CR, etc.) 3659' RT		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 OPNS. ☐
PULL OR ALTER CASING ☐	CASING TEST AND CEMENT JOBS ☐
OTHER ☐	OTHER ☐
PLUG AND ABANDON ☐	ALTERING CASING ☐
CHANGE PLANS ☐	PLUG AND ABANDONMENT ☐

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 6/23/77, killed well, inst BOP. Cleaned out 2-3/8" OD tbg to 5622', unable to clean out deeper. Cut 2-3/8" tbg off @ 5804' & POH w/tbg. RIH w/RBP & pkr on 2-3/8" tbg, set RBP @ 4539', pkr @ 4363'. Spotted 6 sx sd on BP, top of sd @ 4517'. Reset pkr & found leak in csg @ 1310'. Found tight spot in 4 1/2" csg @ 1446'. POH w/pkr. RIH w/swedge thru tight interval 1446-1679'. POH w/swedge. Ran impression block, indicated 4 1/2" csg parted. POH w/impression block. POH w/1452' 4 1/2" csg. Washed over 4 1/2" csg to 1691'. TOC @ 1690'. Cut off 4 1/2" csg @ 1691'. POH w/219' of 4 1/2" csg. RIH w/1675' 4 1/2" OD 9.5# J-55 csg, 4 1/2" Bowen csg patch & 4 1/2" DV tool. Latched onto 4 1/2" csg. Press up on csg & csg patch to 1000# 30 mins OK. Spotted 20 sx Cl C cmt w/2% CaCl 3737-3457'. Pmpd 1575 sx Cl H cmt followed by 125 sx Cl C cont'g 2% CaCl thru DV tool. Shut DV tool w/2100#. Cmt did not circ. Temp survey indicated TOC @ 1180' FS. Drld cmt to 1623'. CBL indicated TOC @ 1292'. Perf'd 4 squeeze holes @ 1267'. RIH w/pkr, set @ 980'. Pmpd 1000 sx Howco lite cmt cont'g 6# salt/sk & 2% CaCl plus 700 sx Howco Lite cont'g 2% CaCl & 100 sx Cl C cont'g 2% CaCl. Circ cmt. Drld cmt 1183-1270'. RIH w/pkr, set @ 978'. Squeezed perfs @ 1267' w/1000 sx Howco Lite cont'g 6% salt. Pmpd 150 sx Cl C cmt w/5# Gilsonite, 12% gel, 4% CaCl, 1 1/2 BFW, 5 bbls Flo-chex, RO 25 sx cmt. Unseated pkr & pmpd 20 BBW dn csg, reset pkr & pmpd 150 sx Cl C cmt cont'g 12% gel, 4% CaCl, 1 1/2 BFW, 20 bbls Flo-chex, 1 1/2 BFW, 250 sx Cl C cmt w/5# Gilsonite, 12% gel, 4% CaCl, 100 sx Cl C cmt w/3% CaCl. Displ w/18 BW. ISIP 700#. WOC. Rel press & well FARO 1469 BWPd. RIH w/cmt retr, set retr @ 978'. Pmpd 150 sx Cl C cmt w/12% gel & 4% CaCl, followed by 250 sx Cl C cmt w/12% gel, 5# Gilsonite & 4% CaCl followed by 200 sx Cl C cmt cont'g 3% CaCl & 6# sd. (cont'd on attached Page #2)

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 8/9/77

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE AUG 12 1977

CONDITIONS OF APPROVAL, IF ANY:

Empire Abo Unit "E" #34
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August 9, 1977
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Rel press & well FARO 7 BWPD. Reset tbg in retr & pmpd 150 sx Cl C cmt salt saturated w/12% gel, followed by 1 BFW, 50 bbls Flo-chex, 1 BFW, followed by 150 sx Cl C cmt cont'g 12% gel, 4% CaCl, 5# Gilsonite, followed by 1 BFW, 50 bbls Flo-Chex, 1 BFW, 150 sx Cl C cmt cont'g 2% CaCl added. Displ w/18 BW. ISIP 500#. Op well, no flow back. Mixed & pmpd 800 gals BJ SAF Mark III followed by 100 sx false set cmt. Displ w/7½ BW, ISIP 500#. DO cmt @ 1086', no flow back. DO cmt retr @ 978' & cmt to 1337'. Press up on squeeze holes to 550# for 30 mins OK. Drld cmt stringers 1476-1538', hard cmt 1599-1668' & DV tool @ 1668'. Drld cmt 3553-3730'. CO sd 4500-4530'. Retrieved BP @ 4539'. WIH w/2-3/8" tbg & overshot to top of tbg fish @ 5804'. Unseated pkr & POH w/pkr & fish. RIH w/compl assy as follows: 6013' 2-3/8" OD J-55 tbg, Baker Lok-set pkr w/on-off tool, Model F SN, set pkr @ 6002'. On 24 hr test 8/6/77 flwd Abo 662 BO, 0 BW & 352 MCFG on 48/64" ck, FTP 140#. GOR 532:1.