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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-2071-24	

SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		NOV 27 1978	
2. Name of Operator		3. Date of Report	
Atlantic Richfield Company ✓		D.C.C.	
4. Address of Operator		ARTESIA, OFFICE	
P. O. Box 1710, Hobbs, New Mexico 88240		7. Unit Agreement Name	
4. Location of Well		Empire Abo Pressure Maintenance Project	
UNIT LETTER L, 2100 FEET FROM THE South LINE AND 1100 FEET FROM		8. Farm or Lease Name	
THE West LINE, SECTION 34 TOWNSHIP 17S RANGE 28E N.M.P.M.		Empire Abo Unit "G"	
15. Elevation (Show whether DF, RT, GR, etc.)		9. Well No.	
3660.2' GR		333	
12. County		10. Field and Pool, or Wildcat	
Eddy		Empire Abo	

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/> Prod Csg	
		Log, Perf, Cmt Squeeze, Perf & Acidize <input checked="" type="checkbox"/> & 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 1103.

Fin drlg 7-7/8" hole to 6350' TD @ 10:15 AM 9/22/78. Ran DLL-MLL, GR-N, BHC Acoustilog, CNL-CDL w/Cal. RIH w/5-1/2" OD 15.5# K-55 csg, set @ 6350'. FS SET @ 6350', FC @ 6308', SC @ 2998'. Cmt'd 5-1/2" csg in 2 stages. Cmt'd 1st stage w/10 BW, 12 bbls mud sweep, 10 BW, 450 sx Howco Lite cmt w/10# 20/40 sd/sk & 5# 100 mesh sd/sk followed by 200 sx Cl C Thik-set cmt cont'g 2% CaCl. Circ 50 sx cmt to pit. Op SC & cmt'd 2nd stage w/25 BW, 750 sx Howco Lite cmt w/8# salt/sk follow by 100 sx Cl C cmt cont'g 8# salt/sk. Circ 75 sx cmt to pit. WOC 48 hrs. WIH w/bit, drld cmt & SC 2640-3043', press tstd SC to 1500# OK. FIH w/bit to FC @ 6308'. POH w/bit. Ran CBL 6300' to surf, good bond 63-1202', no bond 1202-1120', no bond 250' to surf. RIH w/2-3/8" tbg to 6285', displ csg w/2% KCL wtr, spotted 20% acetic acid 6285-6085', swbd csg to 3500'. POH w/tbg, perf'd Abo 6271-6284' w/2 JSPF (26 - .50" holes). WIH w/pkr & tbg, set pkr @ 6142'. Acidized Abo perfs 6271-6284' w/150 gals HCL-LSTNE FE acid, flushed w/27 BLC. Op to test tank on 22/64" ck, no flow Swbd 8 hrs, rec 14 BLO & 50 BLW. Pmpd into Abo perfs 6171-84' w/1200# ground limestone. POH w/pkr & tbg. RIH w/bit, drld FC & CO to 6340'. Tstd blocked perfs 6271-84' w/1500#, bled off in 6 mins. POH w/bit. Perf'd squeeze holes @ 6332-34' w/4 JSPF. RIH w/pkr & tbg, set pkr @ 6313'. Press to 1500#, could not pump in. RIH w/coiled tbg between 2-3/8" x 5-1/2" annulus, spotted 150 gals 15% HCL acid dbl inhib w/friction red. Press up on perfs to 3500#, could not pump in. POH w/pkr & tbg. Perf'd 8 1/2" squeeze holes 6332-34'. WIH w/tbg & pkr, set pkr @ 6313', unable to pump in to perfs. Spotted 150 gals 15% HCL-LSTNE acid, unable to break down perfs w/acid. Re-set pkr @ 6196'. Acidized perfs w/250 gals 15% HCL-LSTNEA & broke down perfs. POH w/pkr. (cont'd on attached Page #2)

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

SIGNED Ther Knott TITLE Dist. Drlg. Supt. DATE 11/22/78

APPROVED BY W.A. Gussett TITLE SUPERVISOR, DISTRICT II DATE NOV 28 1978

CONDITIONS OF APPROVAL, IF ANY:

Form C-103

Empire Abo Unit "G" #333

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RIH w/cmt retr, set @ 6258'. Squeeze perfs 6271-6334' w/1000 gal Saf-Mark-3 followed by 100 sx Cl C LWL cmt, rev out 20 sx. POH w/tbg. Perf'd Abo 6234-6244' w/2 JSPF (20 - .50" holes). RIH w/pkr on tbg, set pkr @ 6080'. Swbd tbg dry. Acidized Abo 6234-6244' w/150 gals 15% HCL-LSTNEA, 1000 gal gel 10# CaCl wtr, 1000 gal gel LC, 1500 gal 15% HCL-LSTNEA, flushed w/27 BLC. Swbd 1-1/2 hrs, rec 16 BLO & 0 BLW. Swbd & flwd 7 hrs, rec 36 BLO, 16 BNO & 12 BLW. Rel pkr. POH w/pkr & tbg. Set RBP @ 3493' w/4 sx sd & 20 sx cmt plug on top. Perf'd squeeze holes @ 1125-27' (4 holes). Spotted 100 gals 15% HCL acid across squeeze perfs. Circ acid out. RIH w/cmt retr, set @ 1017'. Squeeze cmtd perfs 1125-27' w/100 sx Cl C cmt w/.6 of 1% Hal-9 followed by 100 sx Cl C cmt cont'g 2% CaCl. Squeezed perfs & bradenhead w/900#. RO 10 sx cmt. WOC 24 hrs. Drld cmt retr @ 1017' & hard cmt to 1130'. Press tstd perfs to 2500# 30 mins OK. Drld cmt 3090-3270', washed sd off BP @ 3493'. Pld BP. RIH w/pkr, set @ 6080'. On 24 hr potential test 11/18/78 flwd Abo perfs 6234-6244' 167 BO, 0 BW & 173 MCFG, 70# FTP on 36/64" ck, GOR 1036:1. Final Report.