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NEW MEXICO OIL CONSERVATION COMMISSION

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AUG 31 1978

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. 647-349, 647-351
7. Unit Agreement Name Empire Abo Pressure Maintenance Project
8. Farm or Lease Name Empire Abo Unit "H"
9. Well No. 312
10. Field and Pool, or Wildcat Empire Abo
12. County Eddy

SUNDRY NOTICES AND REPORTS ON WELLS **O. C. C. ARTESIA OFFICE**

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT WELL. USE "APPLICATION FOR PERMIT - 1" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
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 0, 815 FEET FROM THE South LINE AND 2525 FEET FROM East THE LINE, SECTION 33 TOWNSHIP 17S RANGE 28E N.M.P.M.
15. Elevation (Show whether DF, RT, GR, etc.) 3664.9' GR

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 checked="" 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"/> Surface	
		OTHER <input type="checkbox"/>	

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.

Spudded 11" hole @ 2:00 PM 8/22/78. Lost circ @ 528', drld to 778' w/o returns. Fin 11" hole to 778' @ 5:30 AM 8/23/78. RIH w/8-5/8" OD 24# K-55 csg, set @ 778'. FS @ 778', FC @ 692'. Pkr @ 465'. SC @ 419'. Cmtd 8-5/8" OD csg in 2 stages. Stage #1, cmtd w/50 BW, 150 sx C1 H RFC w/2% CaCl followed by 100 sx C1 C cmt w/2% CaCl. BP & set pkr w/1600# @ 9:14 AM 8/23/78. No returns while cmtg 1st stage. Op SC, cmtd stage #2 w/300 sx C1 H RFC w/2% CaCl. BP & closed SC @ 10:00 AM 8/23/78. Had full returns after setting pkr, circ 30 sx cmt 1st stage, circ 100 sx cmt 2nd stage. WOC 14 hrs. The following compressive strength criterion is furnished for cmtg in accordance w/OCC Option 2 of the Rules & Regulations.

- The volume of cmt slurry was 231 cu ft of C1 H RFC cont'g 2% CaCl followed by 132 cu ft of C1 C cont'g 2% CaCl. 2nd stage of cmt slurry was 462 cu ft of C1 H RFC cont'g 2% CaCl. Circ 46 cu ft cmt to pit on 1st stage & 154 cu ft cmt to pit on 2nd stage.
- Approx temperature of cmt slurry when mixed was 78° F.
- Estimated minimum formation temperature in zone of interest was 68°F.
- Estimate of cmt strength at time of casing test was 1150 PSIG.
- Actual time cmt in place prior to starting test was 14 hrs.

Pressure tested casing to 1000# 30 mins OK. Commenced drlg 7-7/8" hole @ 11:15 PM 8/23/78.

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

SIGNED W. G. Gressett TITLE Dist. Drlg. Supt. DATE 8/29/78

APPROVED BY W. G. Gressett TITLE SUPERVISOR, DISTRICT II DATE SEP - 1 1978

CONDITIONS OF APPROVAL, IF ANY: