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NEW MEXICO OIL CONSERVATION COMMISSION

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NOV 1 1974

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
647	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Empire Abo Unit D	
2. Name of Operator Atlantic Richfield Company		9. Well No. 37	
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Empire Abo	
4. Location of Well UNIT LETTER M LOCATED 500 FEET FROM THE South LINE AND 820 FEET FROM THE West LINE OF SEC. 26 TWP. 17S RGE. 28E NMPM		12. County Eddy	
19. Proposed Depth 6325'		19A. Formation Abo	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3694' DF	
21A. Kind & Status Plug. Bond GCA #8		21B. Drilling Contractor Not Selected	
22. Approx. Date Work will start November 15, 1974			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

Present Completion Data: 6224' TD, 6184' PBD, perforations 6080-6100'. 8-5/8" OD csg set @ 750' & cemented to surf. 5-1/2" OD 15.5# csg set @ 6218.50' and cemented to surface.

Propose to deepen, run liner, perf. and treat in some formation in the following manner:

1. Squeeze present perms 6080-6100' w/150 sx.
2. Drill & clean out to 6325'. Run Gamma Ray Neutron log.
3. Run 2-7/8" tbgr F/liner from 6325-6180' and cement w/15 sx.
4. Perforate in deepened section as determined from log.
5. Acidize w/approx. 3600 gals. 15% LSTNE acid. BOP preventer to be installed. Return well to production.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed H. J. Bernard Title District Drilling Supervisor Date October 31, 1974
(This space for State Use)

APPROVED BY W. A. Gussert TITLE OIL AND GAS INSPECTOR DATE NOV 4 1974
CONDITIONS OF APPROVAL, IF ANY: