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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

FEB 27 1981

ARTESIA, OFFICE

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

E-7832

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"/>		Empire Abo Pressure Maintenance Project	
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company ✓		8. Farm or Lease Name Empire Abo Unit "E"	
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No. 361	
4. Location of Well UNIT LETTER A LOCATED 620 FEET FROM THE North LINE AND 1200 FEET FROM THE East LINE OF SEC. 34 TWP. 17S RGE. 28E NMPM		10. Field and Pool, or Wildcat Abo Reef Empire Abo	
12. County Eddy		19. Proposed Depth 6275'	
19A. Formation Abo Reef		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 3671.6' GR		21A. Kind & Status Plug. Bond GCA #8	
21B. Drilling Contractor Not Selected		22. Approx. Date Work will start 2-26-81	

23. Present PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8-5/8" OD	24# K-55	750'	300 sx plus	3 yds R-M
7-7/8"	5 1/2" OD	15.5# K-55	6169'	1120 sx	240' FS by TS

Propose to deepen and run liner in the following manner.

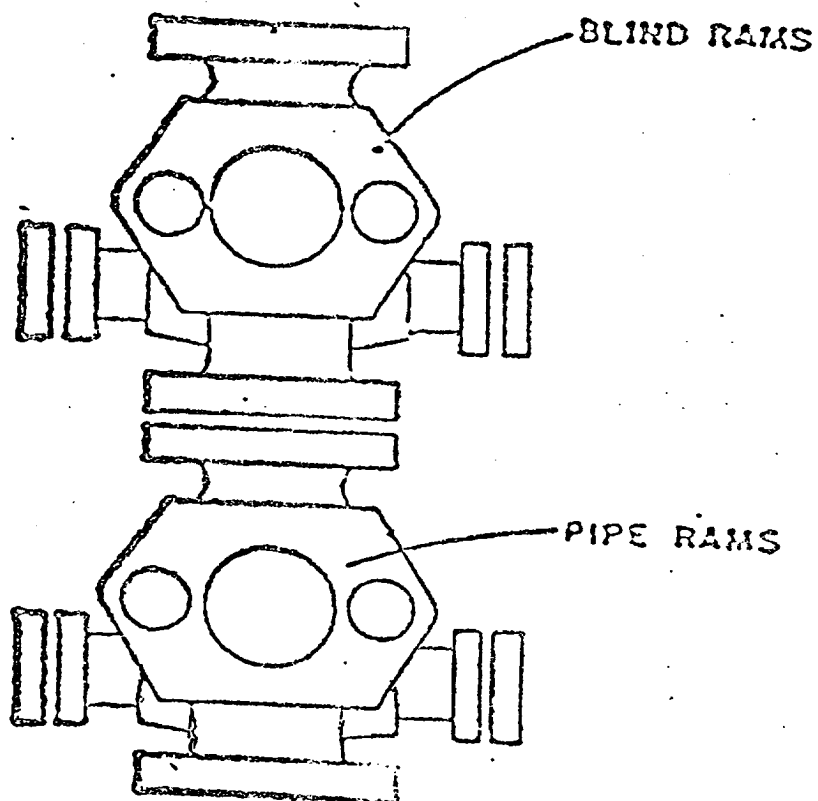
1. Rig up, kill well, install BOP & POH w/ comp assy.
2. Drill 4-3/4" hole 6236-6275'. Run GR-CNL. Open & Cased hole.
3. Run 4" 10.9# J-55 FJ Liner set approx 6075-6275', cmt liner w/amt cmt to be determined. WOC. Drill out to TOL & press test to 1000#, drill out to liner FS @ 6275' & press test to 1000#.
4. Perforate 4 JSPF @ 6180', set cmt retr @ 6165'. Spot 250 gal 10% NE acid across perfs, pump blocking substance within 50' of perf @ 6180' w/fresh wtr. POH w/ tbg, SI 24 hrs. CO to PBTD. Perforate 4" liner, treat perfs w/ acid, test run CA & return to prod.

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 Jerry W. Schmidt Title Dist. Drlg. Supt. Date 2/23/81
(This space for State Use)

APPROVED BY Mike Williams TITLE OIL AND GAS INSPECTOR DATE MAR 02 1981
CONDITIONS OF APPROVAL, IF ANY:



ARCO Oil & Gas Company

Division of Atlantic Richfield Company

Blow Out Preventer Program

Lease Name Empire Abo Unit "E"

Well No. 361

Location 620' FNL & 1200' FEL

Sec 34-17S-28E, Eddy Co, N. M.

BOP to be tested before installed on well and will be maintained in good working condition during drilling. All wellhead fittings to be of sufficient pressure to operate in a safe manner.