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NEW MEXICO OIL CONSERVATION COMMISSION

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AUG 9 1979

30-015-22416

Form C-101
Revised 1-14-65

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
B-2071

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL ☐ DEEPEN ☒ Run Liner Same Zone ☒ PLUG BACK ☐
b. Type of Well
OIL WELL ☒ GAS WELL ☐ OTHER ☐
c. Name of Operator
ARCO Oil and Gas Company
Division of Atlantic Richfield Company
3. Address of Operator
Box 1710, Hobbs, New Mexico 88240
4. Location of Well
UNIT LETTER L LOCATED 1575 FEET FROM THE South LINE
AND 660 FEET FROM THE West LINE OF SEC. 34 TWP. 17S RGF. 28E NMPM
5. Proposed Depth
6290'
6. Formation
Abo Reef
7. Completion Rig
Completion Rig
8. Date of Lease
8/10/79
9. Well No.
332
10. Field and Field, or District
Empire Abo
11. County
Eddy
12. Elevation (whether BFL, RL, etc.)
3658.4' GR
13. Kind & Status Plug. Head
GCA #8
14. Drilling Contractor
Not selected
15. Approx. Date Work will start
8/10/79

23. 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'	455 sx	Circ to surf
7-7/8"	5 1/2" OD	15.5# K-55	6216'	1225 sx	Circ to surf
New hole 4-3/4"	Propose to deepen & run liner Liner 4"	10.9# J-55	6290'	35 sx	

Propose to cement squeeze perfs, deepen, run liner, cmt, perforate, treat & return to production in the following manner:

1. Kill well, install BOP & POH w/compl assy.
2. RIH w/cmt retr, set retr @ 6070'. Squeeze Abo 6170-6186' w/100 sx LWL cmt followed by 50 sx C1 C, 2% CaCl. WOC.
3. Drill out to 6198'. Press test squeeze job.
4. Drill out CIBP @ 6198' & new hole to 6290'. Run logs in OH section.
5. RIH w/4" 10.9# J-55 liner, set TOL @ 6116', btm @ 6290'.
6. Cmt liner btm to top & pick up 4 stands out of liner hanger & rev out excess cmt. WOC.
7. Drill out to TOL. Pressure test liner w/1000# for 30 mins. Run CBL & GR Corr log.
8. Perforate as determined by logs.
9. Treat perfs w/150 gals 15% HCL-LSTNE-FE acid, 1500 gals gelled CaCl wtr, 1500 gals gelled LC, 1500 gals 15% HCL-LSTNE-FE acid, flushed w/LC.
10. RIH w/compl assy, swab test & return 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 SPK for L.D. Lane Title Dist. Drlg. Supt. Date 8/8/79

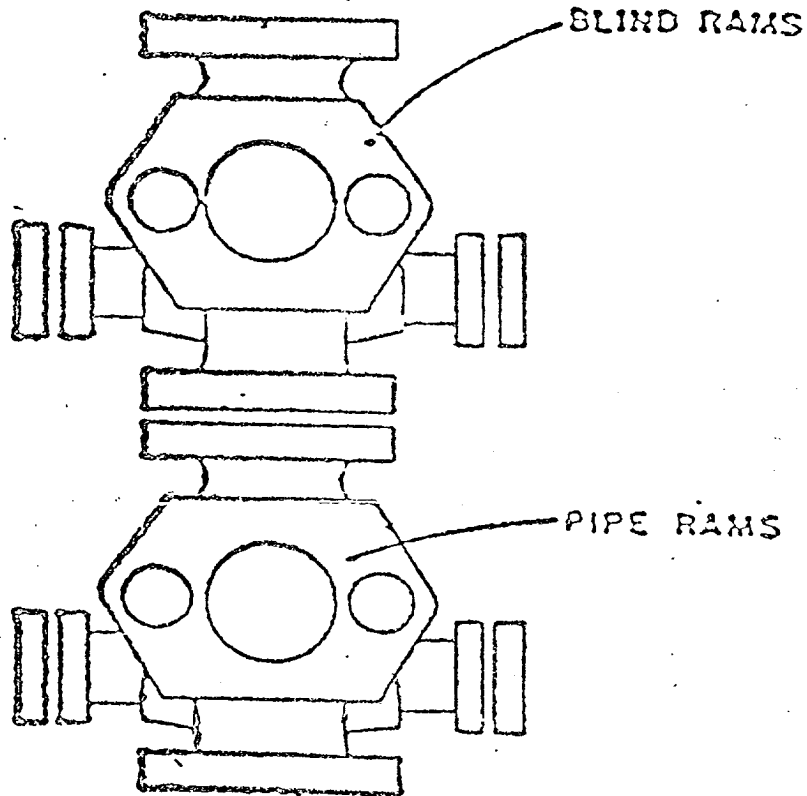
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APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE AUG 10 1979
CONDITIONS OF APPROVAL, IF ANY:

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AUG 9 1979

O. C. C.
ARTESIA, OFFICE



ATLANTIC RICHFIELD COMPANY
Blow Out Preventer Program

Lease Name Empire Abo Unit "G"

Well No. 332

Location 1575' FSL & 660' FWL
Sec 34-17S-28E, Eddy County

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.