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NEW MEXICO OIL CONSERVATION COMMISSION

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30-015-22486
Form C-101
Revised 1-4-65

AUG 9 1979

O. C. C.
ARTESIA, OFFICE

5A. In Hole Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
E-7116

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☐ DEEPEN ☒ PLUG BACK ☐		7. Plant Approval Name Empire Abo Pressure Maintenance Project	
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐		8. Plant or Lease Name Empire Abo Unit "E"	
2. Name of Operator ARCO and Gas Company Division of Atlantic Richfield Company		9. Well No. 341	
3. Address of Operator Box 1710, Hobbs, New Mexico 88240		10. Field and Pool, or Well Unit Empire Abo	
4. Location of Well UNIT LETTER C LOCATED 660 FEET FROM THE North LINE AND 1560 FEET FROM THE West LINE OF SEC. 34 TWP. 17S RGE. 28E NMPM		17. County Eddy	
11. Proposed Depth 6230'		19A. Formation Abo	
12. Kind & Grades Plug, Bond GCA #8		21. Drilling Contractor Not selected	
20. Elevation (Show whether DI, KI, etc.) 3675.7' GR		22. 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'	500 sx + 3 yds	R-M Circ
7-7/8"	5 1/2" OD	15.5# K-55	6102'	1355 sx	
Propose to deepen & run liner					
New hole 6"	Liner 3 1/2" OD	9.20# J-55	6230'	50 sx	6077'

1. Drill new hole 6102-6230'. Set CIBP @ 6090'.
2. Propose to perforate 5 1/2" csg 6074-77' w/1 JSPF, squeeze perms w/2000 bbls prod wtr, inject "G", amount to be determined, followed by 50 sx LWL cmt. Press test squeeze job.
3. Drill out cmt, cmt retr, CIBP & CO to 6230' TD.
4. RIH w/3 1/2" liner. Top of liner @ 6050', btm @ 6230' TD.
5. Cement liner from 6050-6230' w/50 sx C1 C w/2% CaCl. Pressure test to 1000#.
6. Perforate liner 6154-64' w/2 JSPF.
7. Treat perms w/150 gals 15% HCL-LSTNE-FE acid, 2000 gal gelled LC, 1500 gals 10#/gal 15% HCL-LSTNE-FE acid, flush w/LC.
8. RIH w/comp assy, put on test.

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 SLK for L.D. LANE Title Dist. Drlg. Supt. Date 8/8/79

(This space for State Use)

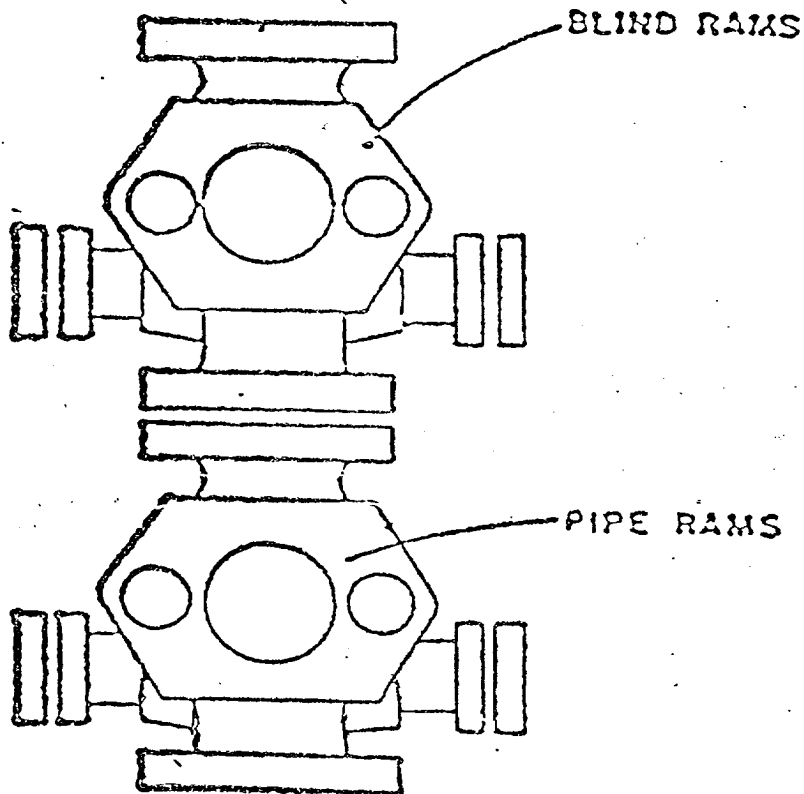
APPROVED BY W.A. Gussitt TITLE SUPERVISOR, DISTRICT II DATE AUG 10 1979

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 "E"

Well No. 341

Location 660' FNL & 1560' 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.