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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

RECEIVED

MAR 28 1980

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
B-7244

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK D.

1a. Type of Work	ARTESIA, OFFICE	7. Unit Agreement Name
b. Type of Well	DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>	8. Farm or Lease Name
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	Empire Abo Unit "L"
2. Name of Operator	ARCO Oil and Gas Company Division of Atlantic Richfield Company	9. Well No.
3. Address of Operator	Box 1710, Hobbs, New Mexico 88240	10. Field and Pool, or Wildcat
4. Location of Well	UNIT LETTER 0 LOCATED 660 FEET FROM THE South LINE	Empire Abo
AND 1980 FEET FROM THE East LINE OF SEC. 2 TWP. 18S RGE. 27E NMPM		12. County
		Eddy
19. Proposed Depth	6220'	19A. Formation
		Abo Reef
20. Rotary or C.T.		Reverse Unit
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor
3560' GR	GCA #8	Not selected
		22. Approx. Date Work will start
		3/31/80

23.

PROPOSED CEMENT AND CEMENT PROGRAM Casing presently in hole

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8-5/8" OD	24#	972'	750	Circ to surf
7-7/8"	5 1/2" OD	14#	6122'	150	5000'

Propose to squeeze present perfs & 5 1/2" csg, deepen, run liner, perf & treat in the following manner:

1. Rig up, kill well, install BOP, POH w/compl assy.
2. RIH w/cmt retr, set @ 5970'.
3. Squeeze perfs 6042-6062' w/75 sx LWL & 75 sx Cl C w/2% CaCl. WOC. Drill out cmt & press test squeeze jobs.
4. Deepen to 6170', swab test OH section 6122-6170'. If test not successful, deepen to 6220'. Run DLL-RXO, GR-CNL.
5. RIH w/4" 10.9# J-55 liner, set 6020-6220' & cmt liner w/amt cmt to be determined.
6. Drill out liner, press test to 1000# for 30 mins.
7. Run CBL, GR-CCL log. Perforate Abo from logs.
8. Treat perfs w/1550 gals 15% HCL-LSTNE-FE acid, 1000 gal gelled CaCl wtr, 1000 gal gelled LC. Flush w/LC. Swab load, test & run compl assy. Return to production.

APPROVAL VALID

FOR 90 DAYS UNLESS

DILLING COMMENCED,

EXPIRES 6-30-80

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.

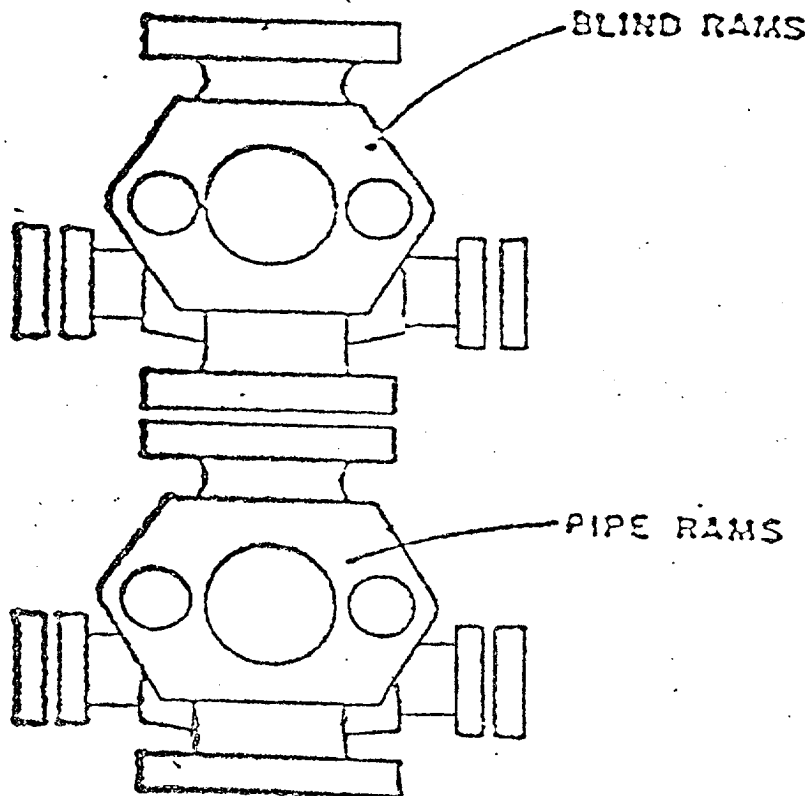
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed H. B. Lee Title Dist. Drlg. Supt. Date 3/27/80

(This space for State Use)

APPROVED BY W. A. Gussitt TITLE SUPERVISOR, DISTRICT II DATE MAR 31 1980

CONDITIONS OF APPROVAL, IF ANY:



ATLANTIC RICHFIELD COMPANY
Blow Out Preventer Program

Lease Name Empire Abo Unit "L"

Well No. 15

Location 660' FSL & 1980' FEL
Sec 2-18S-27E, 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.