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# NEW MEXICO OIL CONSERVATION COMMISSION

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.
K-2715

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well		Empire Abo Pressure Maintenance Project	
DRILL <input checked="" type="checkbox"/>	DEEPEN <input checked="" type="checkbox"/>	8. Farm or Lease Name	
OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	Empire Abo Unit "K"	
OTHER <input type="checkbox"/>	SINGLE ZONE <input type="checkbox"/>	9. Well No.	
2. Name of Operator		23	
Atlantic Richfield Company ✓		10. Field and Pool, or Wildcat	
3. Address of Operator		Empire Abo	
Box 1710, Hobbs, New Mexico 88240		12. County	
4. Location of Well		Eddy	
UNIT LETTER J LOCATED 2260.50 FEET FROM THE South LINE		19. Proposed Depth	
AND 2269.44 FEET FROM THE East LINE OF SEC. 6 TWP. 18S RGE. 28E NMPM		6285'	
		19A. Formation	
		Abo Reef	
		20. Rotary or C.T.	
		Completion Rig	
21. Elevations (Show whether DF, RT, etc.)		21B. Drilling Contractor	
3656' GL		Not selected	
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
GCA #8		2/1/79	

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8" OD	24#	1030'	900	2-1/2' FS
7-7/8"	5-1/2" OD	14 & 15.5#	6195'	150	5125

Propose to deepen from present TD 6197' to 6285', complete lower in reef in the following manner:

1. Rig up, kill well, install BOP & POH w/compl assy.
2. Squeeze present Abo perfs 6162-94' w/LWL cmt.
3. Deepen 6197-6285' (88'). Run DLL & GR-N Log.
4. Run liner from 6285'-6145' & cmt.
5. Perforate Abo lower in reef as determined from logs.
6. Treat perfs w/150 gals 15% HCL-LSTNE-FE, 1000 gals 10# gelled CaCl wtr, 1000 gals gelled LC, 1500 gals 15% HCL-LSTNE-FE.
7. Swab back load, run compl assy & 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.

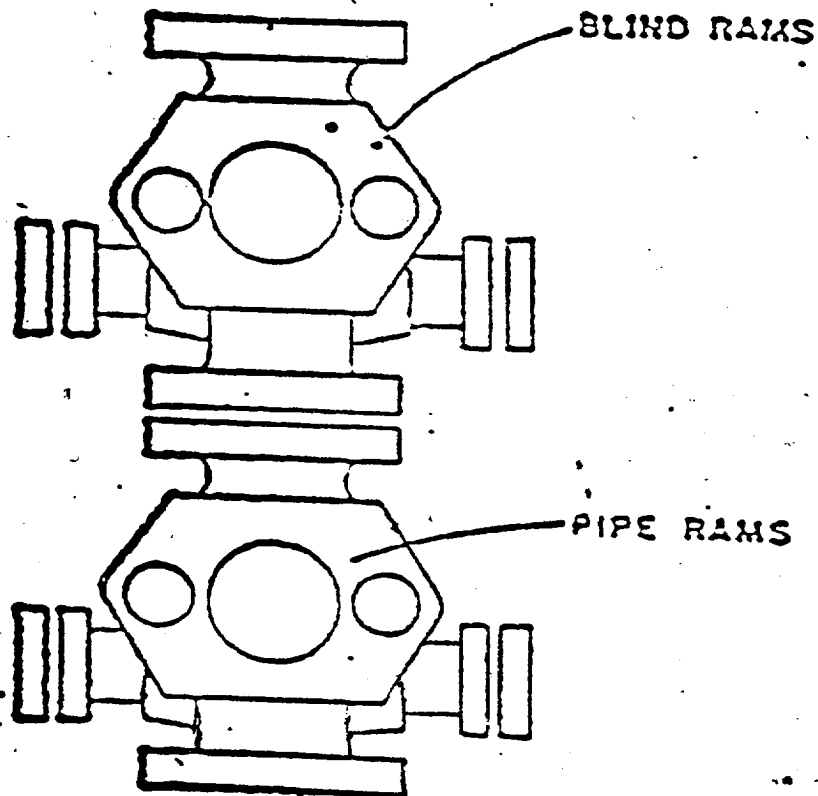
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed F. Roy Law Title Dist. Drlg. Supt. Date 1/29/79

(This space for State Use)

APPROVED BY W.A. Gussitt TITLE SUPERVISOR, DISTRICT II DATE FEB 1 1979

CONDITIONS OF APPROVAL, IF ANY:



**ATLANTIC RICHFIELD COMPANY**  
**Blow Out Preventer Program**

**Lease Name** Empire Abo Unit "K"

**Well No.** 23

**Location** 2260.50' FSL & 2269.44' FEL  
Sec 6-18S-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.**