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NEW MEXICO OIL CONSERVATION COMMISSION

DEC 23 1976

O. C. C.
ARTESIA, OFFICE

30-015-21891

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.
(647-349) (647-351)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name Empire Abo Pressure Maintenance Project	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Empire Abo Unit "G"	
2. Name of Operator Atlantic Richfield Company		9. Well No. 301	
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Empire Abo	
4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>1315</u> FEET FROM THE <u>South</u> LINE AND <u>1315</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>33</u> TWP. <u>17S</u> RGE. <u>28E</u> NMPM		12. County Eddy	
19. Proposed Depth 6490		19A. Formation Abo Reef	
20. Rotary or C.T. Workover Rig		21. Elevations (Show whether DF, RT, etc.) 3668.5' GR	
21A. Kind & Status Plug. Bond GCA #8		21B. Drilling Contractor Not selected	
22. Approx. Date Work will start 12/27/76			

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
No change in casing	10 3/4"	32.50 + 46.50	700	398	Circulated
	7 7/8"	26.40, 28.40, 24.70	6705	1250	"

This well was drilled to TD 10,498'. The Empire Penn Gas test was unsuccessful and the well bore was plugged back to 6490' in order to utilize well in the Empire Abo Pressure Maintenance Project. Propose to complete as a producing oilwell in the Empire Abo Unit in the following manner:

1. Rig up, install BOP.
2. Run GR-Corr log PBD to top of reef.
3. Perforate Abo w/2 JSPF 6250' to 6270'.
4. RIH w/2-3/8" tbg & Lok-set pkr above perforated interval.
5. Acidize perms 6250-70' w/2000 gals 15% HCL-LSTNE acid w/iron sequestrant.
6. Swab test & complete as an oilwell.

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 [Signature] Title Dist. Drlg. Supt. Date 12/22/76

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE DEC 23 1976

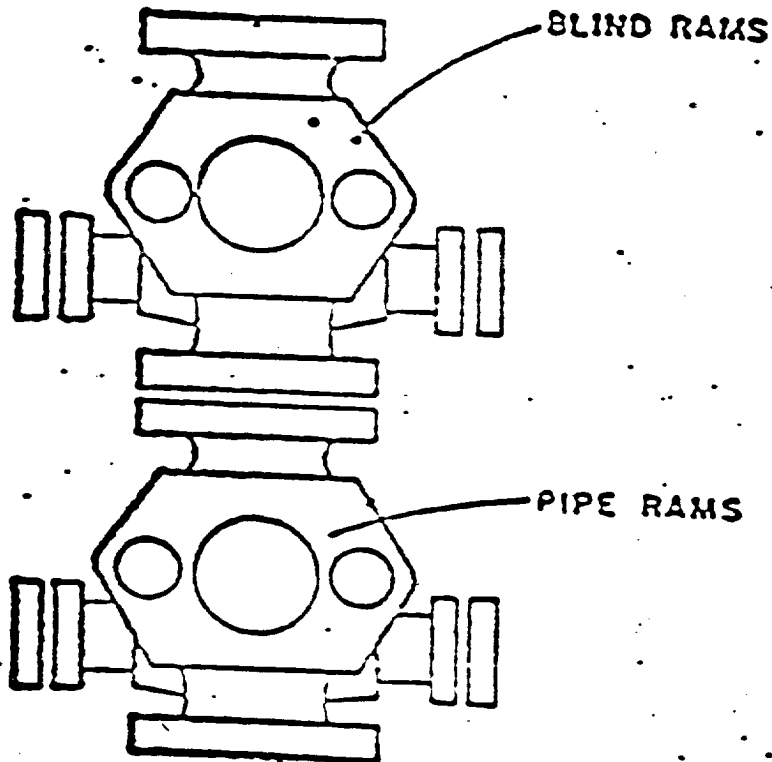
CONDITIONS OF APPROVAL, IF ANY:

Submit C-102 acreage dedication plat prior to Producing

RECEIVED

DEC 23 1976

O. C. C.
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ATLANTIC RICHFIELD COMPANY
Blow Out Preventer Program

Lease Name Empire Abo Unit "G"

Well No. 301

Location 1315' FSL & 1315' FWL
Sec 33-17S-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.