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NEW MEXICO OIL CONSERVATION COMMISSION

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MAY 19 1975

O. C. C.  
ARTESIA, OFFICE

30-015-21536

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
7. Unit Agreement Name
8. Farm or Lease Name Empire Abo Unit "E"
9. Well No. 381
10. Field and Pool, or Wildcat Empire Abo
12. County Eddy
19. Proposed Depth 6380'
19A. Formation Abo Reef
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3683.8' GR
21A. Kind & Status Plug. Bond GCA # 8
21B. Drilling Contractor Not Selected
22. Approx. Date Work will start 5-19-75

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	DRILL <input checked="" type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
b. Type of Well	OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	OTHER <input type="checkbox"/>
2. Name of Operator	Atlantic Richfield Company		
3. Address of Operator	P.O. Box 1710, Hobbs, New Mexico 88240		
4. Location of Well	UNIT LETTER C LOCATED 2475 FEET FROM THE West LINE AND 1155 FEET FROM THE North LINE OF SEC. 35 TWP. 17S RGE. 28E NMPM		
19. Proposed Depth	6380'		
19A. Formation	Abo Reef		
20. Rotary or C.T.	Rotary		
21. Elevations (Show whether DF, RT, etc.)	3683.8' GR		
21A. Kind & Status Plug. Bond	GCA # 8		
21B. Drilling Contractor	Not Selected		
22. Approx. Date Work will start	5-19-75		

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 K-55	24#	1000'	375	Circ.
7-7/8"	5-1/2" OD K-55	14#	6380'	1050	Circ.

Propose to drill an oil well to develop the Abo Reef formation within the Empire Abo Unit Boundaries in order to decrease gas voidage and maintain oil production.

Unorthodox well location approved by Administrative Order NSL - 706 under the provision of Rule 14 of order no.R-4549-B.

BOP to be installed as per attached Diagram.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,  
EXPIRES 8-20-75

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 District Drilling Supervisor Date 5-12-75  
(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAY 20 1975

CONDITIONS OF APPROVAL, IF ANY:

1992

381

35

17 South

28 East

Eddy

2475

West

1155

North

3683.8

## Abo Reef

Empire Abo

40

to obtain the acreage did not state the subject well be colored pencil markings on the photograph.

If more than one lease is indicated, to the well, outline each and identify the well.

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3. If more than one source of different ownership is dedicated to the same basic function, the rights therein should be identified, summarized, and indicated in a separate paragraph.

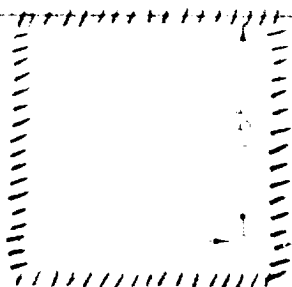
MAY 19 1975

**X** Yes ☒ If answer is "Yes" type of organization **Unitization**

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Answers 1 through 10: answers and rationales options with a correct answer are indicated by a boldface letter in parentheses. Answers 11 through 15: answers and rationales

Notwithstanding the above assumptions, the well-intended interests have been disappointed. The results of the study are not as encouraging as otherwise might be expected. Standardized estimating equations were used to estimate the parameters of the model.



~~District~~ District Drilling Supervisor

Atlantic Richfield Co.

5-12-75

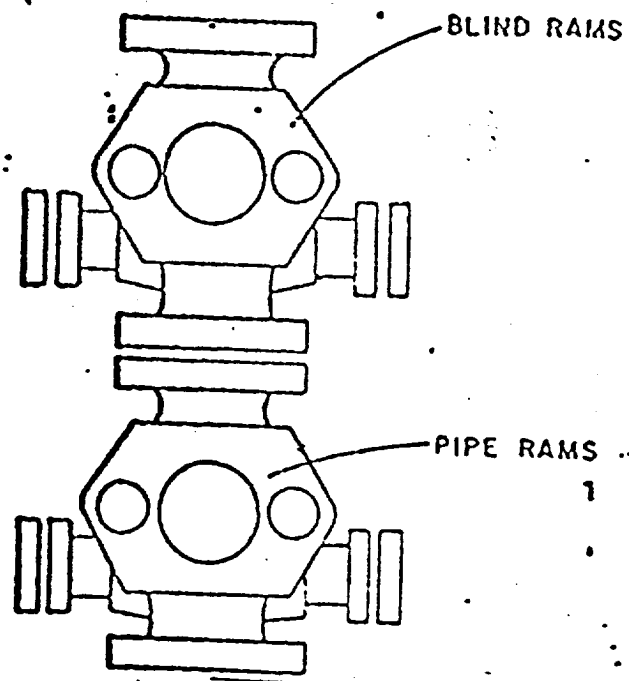


November 7, 1974;

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MAY 18 1975

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ATLANTIC RICHFIELD COMPANY  
Blow Out Preventer Program

Lease Name Empire Abo Unit "E"

Well No. 381

Location 2475' FWL & 1155' FNL, Sec.  
35, T-17S, R-28E, Eddy Co.,  
N.M.

BOP to be tested before installed on well and will be maintained in good working condition during workover. All wellhead fittings to be of sufficient pressure to operate in a safe manner.