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SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-22658

5. LEASE DESIGNATION AND SERIAL NO.
NM-016788

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Empire Abo Pressure Maintenance Project

8. FARM OR LEASE NAME
Empire Abo Unit "K"

9. WELL NO.
194

10. FIELD AND POOL, OR WILDCAT
Empire Abo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
1-18S-27E

12. COUNTY OR PARISH | 13. STATE
Eddy | N.M.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Atlantic Richfield Company

3. ADDRESS OF OPERATOR
P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1500' FSL & 2130' FEL (Unit letter J)
At proposed prod. zone as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx 9 miles East of Artesia, New Mexico

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any, See Form C-102)
16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH
6300'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3618.3' GR

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
8/18/78

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8" OD	24# K-55	1000'	400 sx
7-7/8"	5-1/2" OD	15.5# K-55	6300'	1200 sx

Propose to drill an infill development well within the Empire Abo Unit area to more economically recover additional oil reserves and conserve reservoir pressure in accordance with unit OCC Rules & Regulations.

Blowout Preventer Program attached.

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ARTESIA, NEW MEXICO

NSL 937

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED _____ TITLE Dist Drlg. Supt. DATE 6/20/78

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

MEXICO OIL CONSERVATION COMMISS. IN
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-112
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator Atlantic Richfield Co.		Lease Empire Abo Unit		Acres #194
Unit Letter J	Section 1	Range 18 South	Block 27 East	County Eddy
Actual Portage Location of Well:				
1500	feet from the	South	line and	2130
			feet from the	East
Ground Level Elev 3618.3	Producing Formation Empire Abo		Estimated Acreage 40	

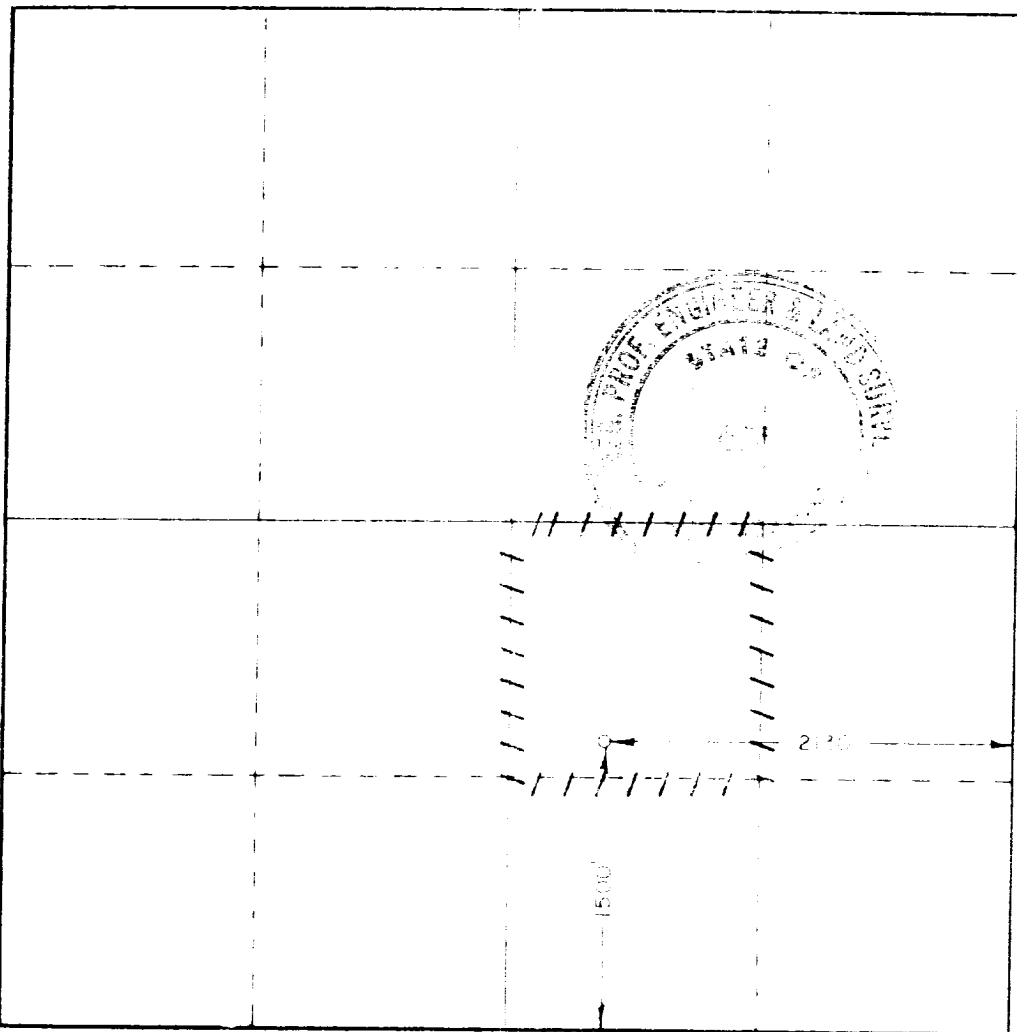
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes" type of consolidation unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, forced-pooling, or otherwise or until a non-standard unit eliminating such interests, has been approved by the Commission.

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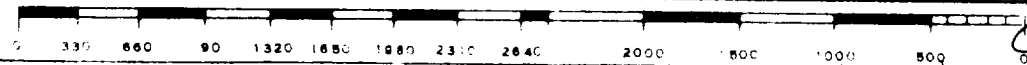


I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Name: _____
 Position: Dist. Dir. Supt.
 Title: Atlantic Richfield Company
 Date: June 20, 1978

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief

Date Surveyed: 3/29/78
 Registered Professional Engineer
 # 10118 State of New Mexico
 Signature: John W. West
 Certificate No. John W. West 676
Ronald J. Eison 3239





United States Department of the Interior

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GEOLOGICAL SURVEY
P. O. Drawer U
Artesia, New Mexico 88210

August 10, 1978

Atlantic Richfield Company
P. O. Box 1710
Hobbs, New Mexico 88240

Atlantic Richfield Company
Empire Abo Unit Well No. 194
1500 FSL 2130 FEL Sec. 1, T18S, R27E
Eddy County Lease No. NM-016788

Above Data Required on Well Sign

Gentlemen:

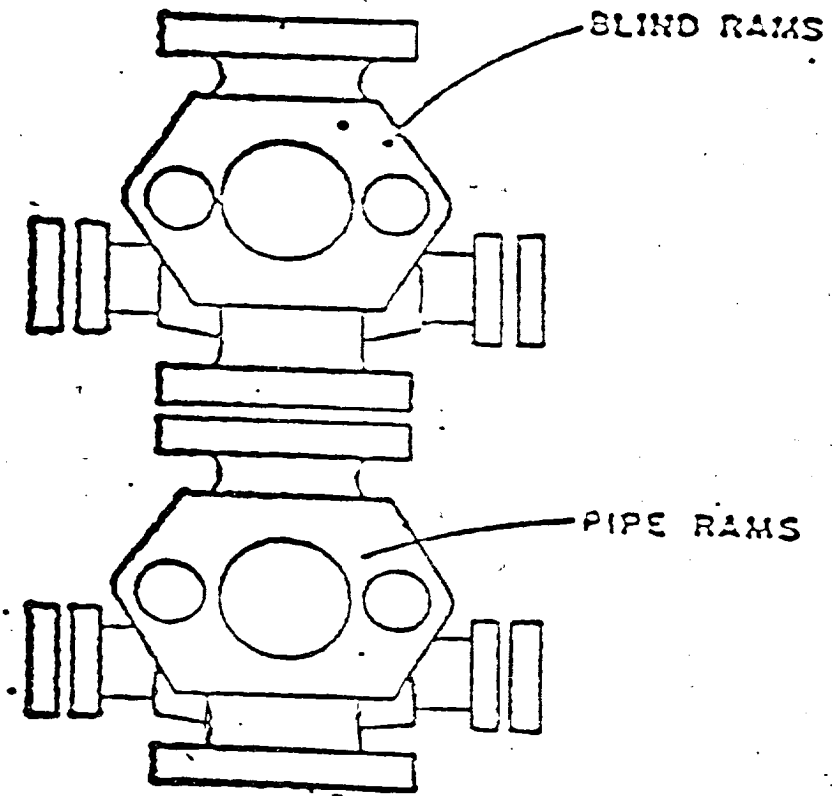
Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 6,300 feet to test the Abo Formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, dated July 1, 1978.
2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and his approval including the GENERAL REQUIREMENTS.
3. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
4. All above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate sandstone brown (Federal Standard Color #595A, color 20318 or 30318).

Sincerely yours,

(Orig. Sgd.) ALBERT R. STALL

Albert R. Stall
Acting District Engineer



**ATLANTIC RICHFIELD COMPANY
Blow Out Preventer Program**

Lease Name Empire Abo Unit "K"

Well No. 194

Location 1500' FSL & 2130' FEL
Sec 1-18S-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.