

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-23046

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

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## 5. LEASE DESIGNATION AND SERIAL NO.

NM 10599

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

Federal

## 9. WELL NO.

2-2

## 10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec 26, T-21-S, R-31-E

## 12. COUNTY OR PARISH

Eddy

## 13. STATE

New Mexico

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Pogo Producing Company

## 3. ADDRESS OF OPERATOR

P. O. Box 2504; Houston, Texas 77001

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1980' FSL; 900' FWL

At proposed prod. zone

1980' FSL; 900' FWL

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

28 miles East of Carlsbad, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660

## 16. NO. OF ACRES IN LEASE

1894.99

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1850

## 19. PROPOSED DEPTH

5000'

## 20. ROTARY OR CABLE TOOLS

rotary

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

3507.7 GR

## 22. APPROX. DATE WORK WILL START\*

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48	500	550 sx.
12 1/4	9 5/8	36	4500	1500 sx.

Propose to drill a Delaware well using rotary tools to 4500'.

Cement will be circulated to surface on both 13 3/8 and 9 5/8" casing strings. Plan to test with one DST and evaluate with adequate logging program. Completion or abandonment will be performed in accordance with prudent practices and regulatory requirements. A double ram Series 900 BOP and choke manifold will be used from 13 3/8" casing to TD.

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 Agent

DATE 10-8-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

10-19-79

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-132  
Supersedes L-128  
Effective 1-1-65

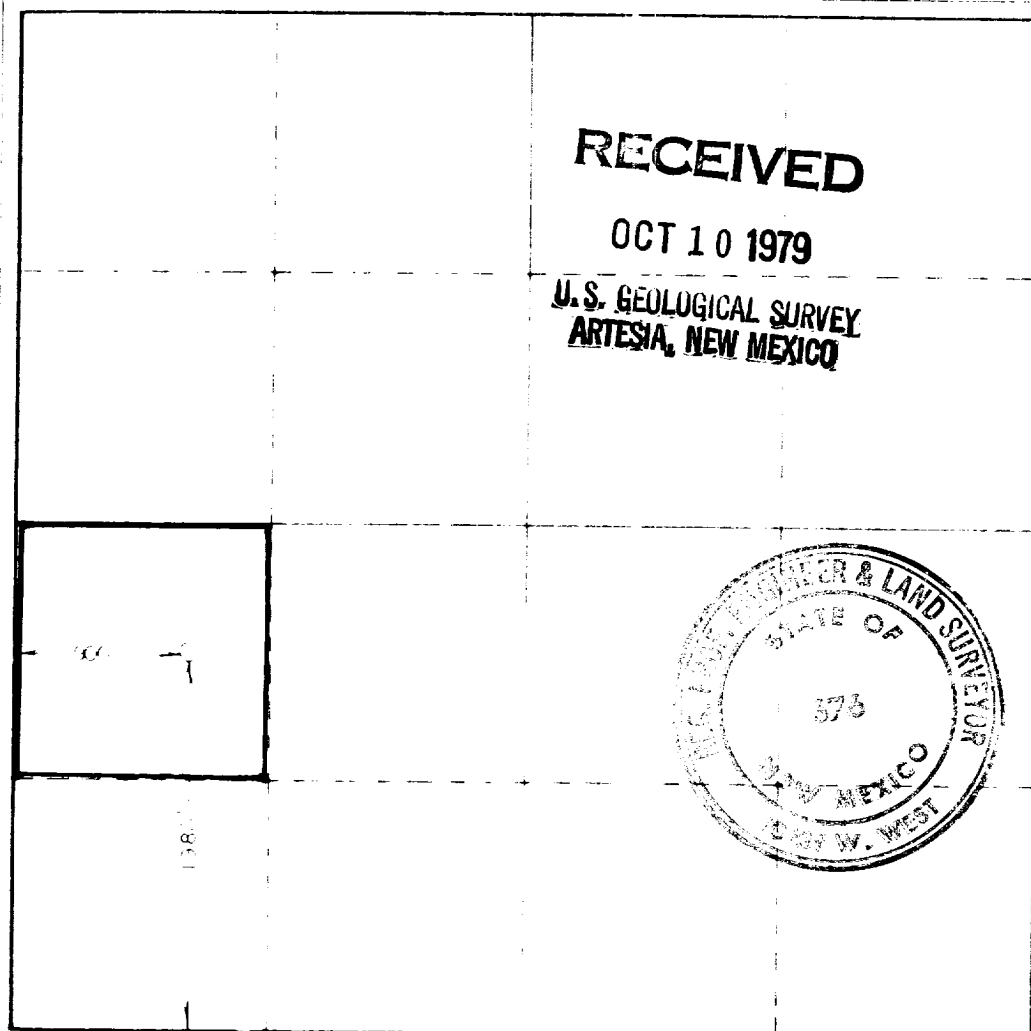
All distances must be from the outer boundaries of the Section

Owner <b>Pogo Producing Co.</b>			Lease <b>Federal</b>			Well No. <b>2</b>		
Section <b>L</b>	Section <b>26</b>	Township <b>21 South</b>	Range <b>31 East</b>	County <b>Eddy</b>				
Date of Dedication of Well <b>1980</b> feet from the <b>South</b> line and <b>900</b> feet from the <b>West</b> line								
Area of Dedication <b>3507.7</b>		Producing Formation <b>Delaware</b>		Pool <b>Wildcat Delaware</b>			Estimated Acreage <b>40</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 \_\_\_\_\_

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

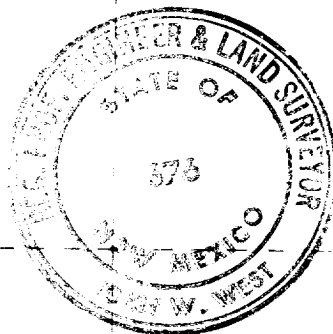
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**RECEIVED**

**OCT 10 1979**

**U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO**



**CERTIFICATION**

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

*O. H. Routh*

O. H. Routh

Agent

Pogo Producing Company

10-8-79

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

**Sept. 28, 1979**

Registered Professional Engineer  
in the State of New Mexico

*John W. West*

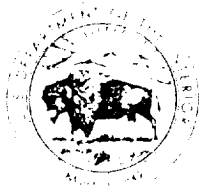
Certified by **John W. West**

**Ronald J. Eidson**

**676**

**3239**

1310 1320 1330 1340 1350 1360 1370 1380 1390 1400 1410 1420 1430 1440 1450 1460 1470 1480 1490 1500



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124  
Albuquerque, New Mexico 87125

RECEIVED

OCT 23 1979

O. C. C.  
ARTESIA, OFFICE

OCT 19 1979

Pogo Producing Company  
P. O. Box 2504  
Houston, Texas 77001

Gentlemen:

POGO PRODUCING COMPANY  
No. 2 Federal  
1980 FSL 900 FWL Sec. 26 T.21S R.31E  
Eddy County Lease No. NM 10599

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well in the Secretary's Oil-Potash Area to a depth of 5,000 feet to test the Delaware 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 attached 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 these Conditions of Approval including the attached General Requirements.
3. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should not be less than 8" x 5" in size and each page should identify the well.
4. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
5. Notify the Survey in sufficient time to witness the cementing of the 13-3/8" and 9-5/8" casing.
6. Cement behind the 13-3/8" and 9-5/8" casing must be circulated.
7. A gamma ray well log must be run from the base of the Salado to the surface. The cable speed for this log must not exceed 30 feet per minute.



9. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

(ORIG. SGD.) JACK WILLOCK

Acting Area Oil and Gas Supervisor

Enclosure

cc:

Regional Manager, Denver

Mining Branch (2)

BLM, Roswell (w/cy Notice)

~~NMOCD, Artesia (2) (w/2 cys Notice)~~

Artesia

Roswell (w/cy Notice)

Area (potash)

Area (chrono.)

District (potash)

District (chrono)

Application for Drilling

Pogo Producing Company

Federal ~~28~~ No. 2

Eddy County, New Mexico

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In conjunction with permitting the subject well for drilling in Section 26, Township 21 South, Range 31 East, Eddy County, New Mexico, Pogo Producing Company submits the points of pertinent information in accordance with U.S.G.S. letter of July 1, 1976.

1. The surface formation is quaternary sand.

2. Estimated tops of geologic markers are as follows:

Rustler Anhy - 775'  
Salado - 1000'  
Lamar Lime - 4250'  
Delaware Sand - 4300'

3. The depth at which water, oil or gas is expected to be encountered is:

4300'

4. Casing Program:

13 3/8" 48# H-40 ST&C @ 500'  
9 5/8" 36# H-40 ST&C @ 4500'

5. Blowout Preventers:

Ram Type Series 900 with double hydraulic rams. This is a Schaeffer blowout preventer (working pressure 3000 psi, test pressure 6000 psi). The fill, kill and choke lines are indicated on the BOP specification sheet.

6. Circulating Medium:

Steel and earthen pits will be used to hold mud and cuttings and the drilling fluid as follows:

Natural mud to 500'. Paper to control seepage and reduce filter cake. Brine water through salt section and to top of zone of interest (Delaware). Mud to drill pay zone, 9.8 to 10.1 lbs./gal., Viscosity 34-38, Water Loss 10cc ±.

Application for Drilling

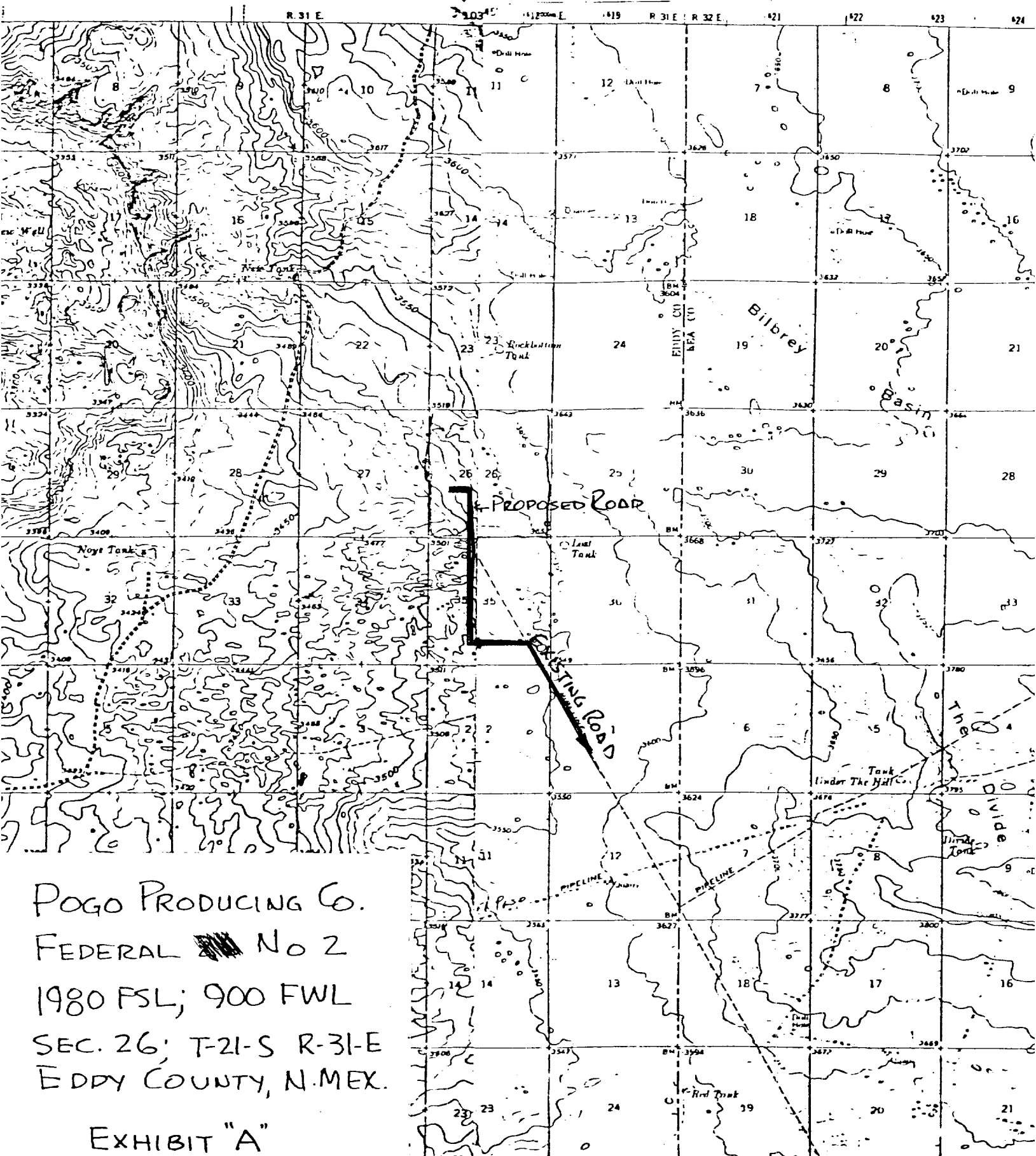
Pogo Producing Company - Federal ~~23~~ No. 2

Page 2

7. The rig will be equipped with safety devices such as kelly cock, drill pipe float, full opening stabbing valve, inside drill pipe BOP, etc. Operational test will be run periodically and results noted on tour sheets.
8. One drill stem test is planned at depth to be determined. Compensated neutron density with gamma ray log is to be run at TD.
9. No abnormal pressures or temperatures or potential hazards are expected to be encountered.
10. Anticipated starting date is expected to be October 25, 1979, with completion of operations expected to be on or about November 25, 1979.

NEW MEXICO  
(EDDY COUNTY)  
NASH DRAW QUADRANGLE  
15-MINUTE SERIES

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



POGO PRODUCING CO.  
FEDERAL ~~NO~~ No 2  
1980 FSL; 900 FWL  
SEC. 26; T-21-S R-31-E  
EDDY COUNTY, N.MEX.

EXHIBIT "A"