



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

MAY 29 1981

Pogo Producing Company
P. O. Box 10340
Midland, Texas 79702

Gentlemen:

Your Application for Permit to Drill well No. 1 CLN Federal in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 21 S., R. 32 E., N.M.P.M. Lea County, New Mexico, lease NM-10599, to a depth of 15,000 feet to test the Morrow formation in the Oil-Potash area, is hereby approved, as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the Supervisory Technician, Geological Survey, Hobbs, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

FOR

(ORIG. SGD.) JAMES W. SHELTON

Deputy Conservation Manager
Oil and Gas

Enclosure

cc:
✓ NMOC, Hobbs 2 (w/enclosures)

100-1-100

NOTED BY FIELD OFFICE

100

RECEIVED

JUN 9 1981

OIL CONSERVATION DIV

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-025-27445

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

Pogo Producing Company

3. ADDRESS OF OPERATOR

P.O. Box 10340 Midland, Texas 79702

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

At surface

1980' FSL & 2102' FWL

At proposed prod. zone

1980' FSL & 2102' FWL

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

29 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

3381.06

17. NO. OF ACRES ASSIGNED
TO THIS WELL

334.72

18. DISTANCE FROM PROPOSED LOCATION*

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

Approx. 12150'

19. PROPOSED DEPTH

15000

20. ROTARY OR CABLE TOOLS

Rotary

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

3622.4' GR

22. APPROX. DATE WORK WILL START*

June 8, 1981

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	54.50	740	750 sxs Circulate
12 1/4	10 3/4	40.5 & 51.0	4600	1700 sxs Circulate
9 1/2	7 5/8	26.40 & 29.70	11800	800 sxs
6 1/2	5	18	15000	540 sxs

Proposal is to drill a well to adequately test the Morrow formation. Cement will be circulated to surface on the 13 3/8" and the 10 3/4" casing strings. Cement will be used to tie back to the 10 3/4" and 7 5/8" casing.

Possible zones for DST are the Strawn, Atoka and Morrow. Adequate logs will be run to evaluate all zones from the Delaware to total depth.

Completion or abandonment will be performed in accordance with prudent practices and regulatory requirements.

BOP Program: From 740' to 4600' - 12" Schaeffer 900 Series
From 5000' to 15000' - 11" Schaeffer Type XHP, 10000# WP.

Gas is not dedicated.

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

Division Operations Mgr.

DATE

May 18, 1981

(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

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

Form C-102
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

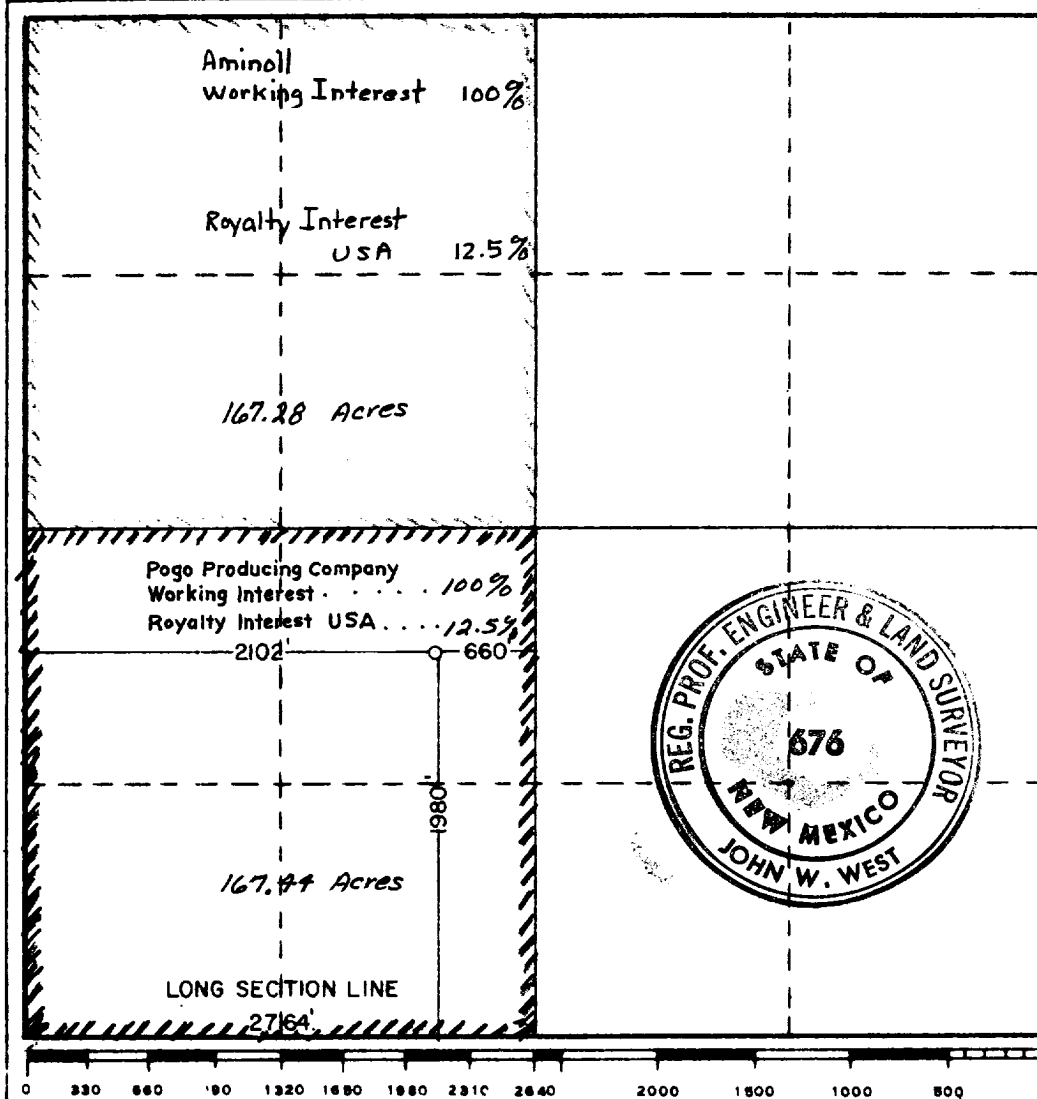
Operator Pogo Producing Co.			Lease GLN Federal CLN		Well No. 1
Unit Letter K	Section 31	Township 21 South	Range 32 East	County Lea	
Actual Footage Location of Well: 1980 feet from the south line and 2102 feet from the west line					
Ground Level Elev. 3622.4	Producing Formation Morrow	Pool Wildcat		Dedicated Acreage: 334.72 Acres	

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 _____

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.



CERTIFICATION

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

Name
B. J. Williams
 Position
Division Operations Mgr.
 Company
Pogo Producing Company
 Date
May 19, 1981

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
March 25, 1981
 Registered Professional Engineer and/or Land Surveyor

John W. West
 Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6663
Ronald J. Eidson 3239