

ORIGINAL COPY

SUBMIT IN TRIP. DATE\*  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-23655

## 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

530' FSL &amp; 330' FWL of Section 1

530' FSL &amp; 330' 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)

330'

## 16. NO. OF ACRES IN LEASE

647.58

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

None

## 19. PROPOSED DEPTH

4800'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

Cable Tools

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

3550.6 GR

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

January 31, 1981

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.00#	500'	500 sxs Circulate CIRCULATE
7 7/8"	5 1/2"	14.00#	4800'	800 sxs CIRCULATE

Proposal is to drill a well to adequately test the Delaware formation. Cement will be circulated to surface on the 8 5/8" surface string.

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

Natural gas on this lease is not dedicated.

24. 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.

SIGNED

*A. Williams*

TITLE

Division Operations Manager

DATE

1/27/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

1-29-81

OBTAINED BY

FILED

DATE

CONDITIONS OF APPROVAL, IF ANY

GEOLOGICAL SURVEY  
ROSWell, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION  
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

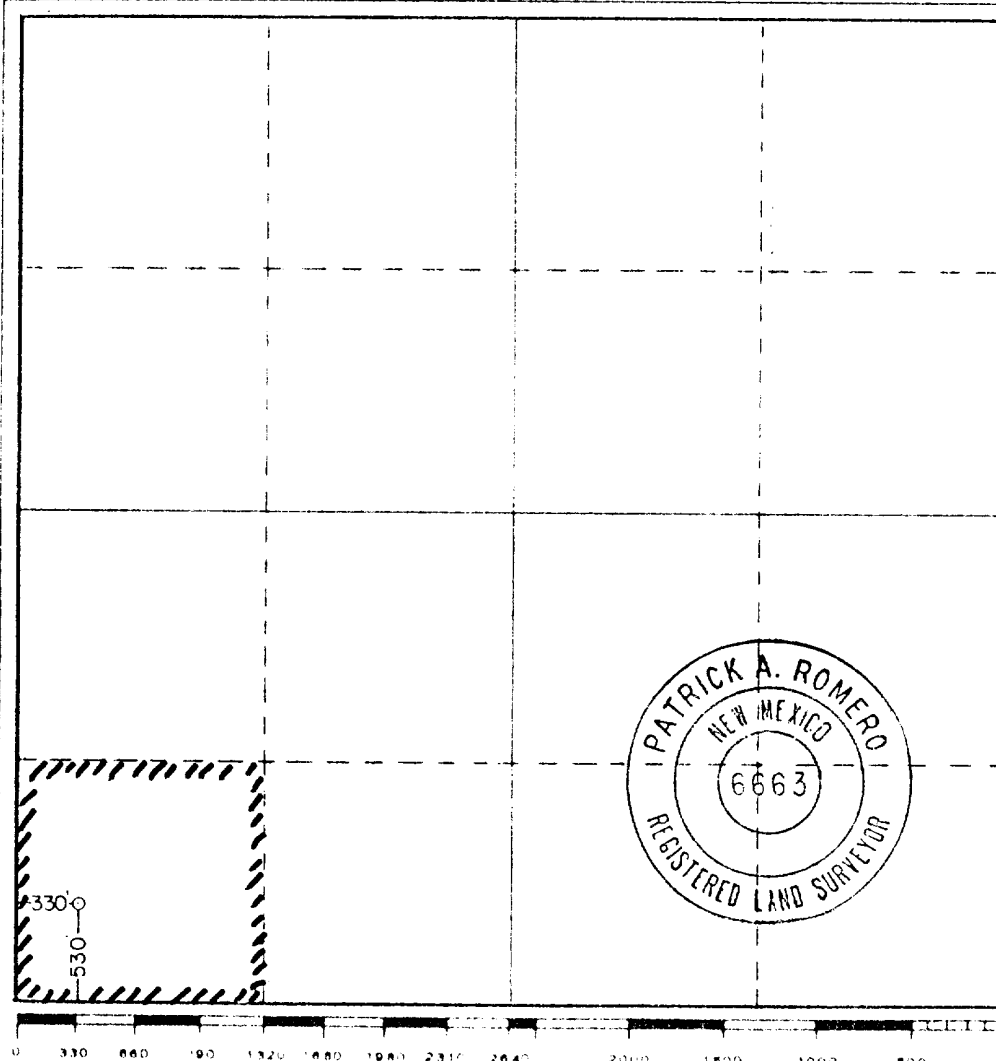
Operator <b>Pogo Producing Corp.</b>		Lessee <b>SCL Federal</b>		Well No. <b>1</b>
Unit Letter <b>M</b>	Section <b>1</b>	Township <b>22 South</b>	Range <b>31 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>530</b> feet from the <b>South</b> line and <b>330</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3550.6</b>	Producing Formation <b>DELAWARE</b>	Pool <b>WILDCAT</b>	Dedicated Acreage: <b>40</b> Acres	

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.



CERTIFICATION

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

*Arthur R. Brown*  
Arthur R. Brown

Position

Agent for

Company

**POGO PRODUCING CORPORATION**

Date

**JANUARY 28, 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

**January 28, 1981**

Registered Professional Engineer and/or Land Surveyor

*Patrick A. Romero*

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



# United States Department of the Interior

GEOLOGICAL SURVEY  
South Central Region

P. O. Box 26124  
Albuquerque, New Mexico 87125

JAN 29 1981

Pogo Producing Company  
Post Office Box 10340  
Midland, Texas 79707

FEB 05 1981

Gentlemen:

Your Application for Permit to Drill well No. 1 SCL Federal in the SW 1/4 sec. 1, T. 22 S., R. 31 E., N.M.P.M. Eddy County, New Mexico, lease NM-12845, to a depth of 4,800 feet to test the Delaware 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 District Supervisor, Geological Survey, Roswell, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

(ORIG. SCD.) GENE F. DANIEL

Deputy Conservation Manager  
Oil and Gas

Enclosure

cc:

/ NMOCB, Artesia (2) (w/enclosures)  
CM, SCR  
DCM-Mining (2)



ONE HUNDRED YEARS OF EARTH SCIENCE IN THE PUBLIC SERVICE

APPLICATION FOR DRILLING

Pogo Producing Company

SCL Federal No. 1

Eddy County, New Mexico

In conjunction with permitting the captioned well for drilling in Section 1, T-22-S, R-31-E, Eddy County, New Mexico, Pogo Producing Company submits the following information in accordance with U.S.G.S. (NTL-6) letter dated July 1, 1976.

1. The surface formation is Quaternary sand and gravel.

2. Estimated tops of geologic markers as follows:

Rustler Anhydrite	-	450'
Salado Salt	-	2250'
Castile Anhydrite	-	3860'
Delaware Lime	-	4500'
Delaware Sand	-	4575'

3. The depth at which oil, gas or water is expected is: 4575'

4. Casing Program and Cement:

8 5/8" 24.00# K-55 STC @ 500' w/500 sxs Cl C w/2% CaCl plus 1/4# flocele per sk.

5 1/2" 14# K-55 STC @ 4800' w/600 sxs LT w/1/4# flocele plus 5# gilsonite per sk plus 200 sxs Cl C w/2% CaCl.

5. Circulating Medium:

An earthen pit will be used to hold cuttings. The drilling mud program will be native mud w/Aquagel added for stabilization.

6. Adequate electrical and resistivity logs will be run from total depth to the base of the surface casing at 500', the gamma ray will be run to the surface.

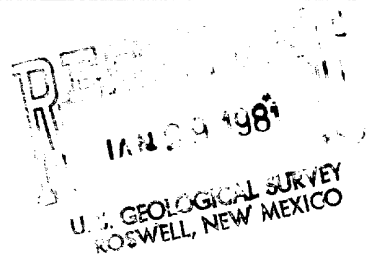
7. A strong water flow may be encountered at approximately 3300'. Adequate equipment will be in service to contain the water flow so as to pose no drilling hazard. No abnormal temperatures or additional hazards are expected to be encountered.

8. The anticipated starting date is January 31, 1981 with the completion expected by March 31, 1981.

9. Blowout prevention equipment will consist of a control head and oil saver.

CASING DESIGN

<u>CASING SIZE</u>	<u>SETTING DEPTH</u>		<u>WEIGHT</u>	<u>GRADE</u>	<u>JOINT</u>
	<u>FROM</u>	<u>TO</u>			
8-5/8"	0	500	24#	K-55	STC
5-1/2"	0	4800	14#	K-55	STC



SURFACE USE AND OPERATIONS PLAN

FOR

POGO PRODUCING COMPANY  
WELL NO. 1 SCL FEDERAL  
530'FSL & 330'FWL SEC. 1, T.22 S., R.31 E.  
EDDY COUNTY, NEW MEXICO

LOCATED: 29 air miles east of Carlsbad, New Mexico.

FEDERAL LEASE NUMBER: NM-12845.

RECORD LESSEE: Exxon.

LEASE ISSUED: February 1, 1971. Lease expiration date is January 31, 1981, and it is intended that diligent drilling operations will be in progress over such date.

ACRES IN LEASE: 647.58.

SURFACE OWNERSHIP: Federal.

GRAZING PERMITTEE: Kenneth Smith  
P. O. Box 764  
Carlsbad, New Mexico 88220

POOL: Wildcat.

POOL RULES: Statewide.

EXHIBITS: A. Road Map  
B. Plat Showing Existing Wells and Existing Roads  
C. Drilling Rig Layout

# MULTIPOINT SURFACE USE AND OPERATION PLAN

Pogo Producing Company

SCL Federal No. 1

530' FSL & 330' FWL, Section 1, T-22-S, R-31-E

Eddy County, New Mexico

This plan is submitted with the Application For Permit To Drill the captioned well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of drilling operations.

## 1. Existing Roads:

Existing roads in the vicinity of the planned well are shown on Exhibit A, attached. The well is located 28 miles East of Carlsbad, New Mexico.

No additional improvement or maintenance of existing roads will be required.

## 2. Planned Access Roads:

An access road approximately 230' long by 12' wide will be constructed due East from an existing road running North and South on the West side of Section 1. See Exhibit A.

## 3. Location of Existing Wells:

A. Getty Oil Company Federal 24 No. 1 approximately 2½ miles SSE. Completed waiting on pipeline connection.

B. Getty Oil Company No. 1 Getty 32 State approximately 3 miles NE. Drilling.

C. Pogo Producing Company Federal No. 1 approximately 2.6 miles NNW. Temporarily abandoned, proposed re-entry.

## 4. Location of Existing and/or Proposed Facilities:

There are no existing facilities on the lease at present. If production is established, producing facilities and a tank battery will be constructed on the drilling pad and no additional surface disturbance will be required.

## 5. Location and Type of Water Supply:

Water used in the drilling of the well will be purchased and trucked to the wellsite over existing roads as shown on Exhibit A.

## 6. Source of Construction Materials:

Construction materials will be native rock and gravel obtained from a quarry in Section 12. See Exhibit A. Location of the caliche pit is

Pogo Producing Company  
SCL Federal No. 1  
Sec. 1, T-22-S, R-31-E  
Eddy County, New Mexico

on Federal land in the NE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 12,  
T.22 S., R.31 E., Eddy County, New Mexico. Caliche will  
be trucked to the well site over existing and  
proposed roads.

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7. Method of Handling Waste Disposal:

- A. Drill cuttings will be disposed of in the drill cutting pit.
- B. Drilling fluids will be allowed to evaporate in the drilling pit. Oil produced during tests will be stored in steel test tanks until sold. Water produced during tests will be disposed of in the drilling pit.
- C. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of trash pit is shown on Exhibit C.
- D. All trash and debris will be buried or removed from the wellsite within 30 days after cessation of drilling or completion operations.

8. Ancillary Facilities:

None required.

9. Well Site Layout:

- A. Exhibit C shows the relative location and dimensions of the well pad, drill cuttings pit, trash pit and major rig components.
- B. The proposed well site is situated in rolling sand dunes which will be levelled with the excess dirt used on the edge of the pad and access road.
- C. The pad and access road have been staked and flagged.

10. Plans For Restoration of the Surface:

- A. After completion of drilling and/or completion operations, all equipment and other materials not needed will be removed. Pits will be filled after sufficient drying time and the location cleaned of all trash and junk to leave the well site in an aesthetically pleasing condition.
- B. All unguarded pits containing fluids will be fenced until filled.
- C. After abandonment of the well, surface restoration will be in accordance with the BLM regulations. Rehabilitation will be accomplished within 90 days after abandonment.



Pogo Producing Company  
SCL Federal No. 1  
Sec. 1,, T-22-S, R-31-E  
Eddy County, New Mexico

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11. OTHER INFORMATION:

- A. Topography: Land surface in the area is undulating and dunny, but relatively level at the well site. Regionally, land slope is to the west.
- B. Soil: Top soil at the well site is sand.
- C. Flora and Fauna: The vegetative cover is sparse and consist of mesquite, yucca, shinnery oak, weeds and range grasses. Wildlife in the area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.
- D. Ponds and Streams: There are no rivers, lakes, streams or ponds in the area.
- E. Residences and Other Structures: There are no occupied dwellings or windmills within two miles of the proposed well site.
- F. Archaeological, Historical or Other Cultural Sites: None observed in the area.
- G. Land Use: Grazing and hunting in season.
- H. Surface Ownership: Federal.

The present grazing lessee is: Mr. Kenneth Smith  
P. O. Box 764  
Carlsbad, New Mexico 88220

12. Operator's Representatives:

W. E. Barnes  
3778 Maple  
Odessa, Texas 79762  
Home phone - (915)-362-7935

B. J. Williams  
Suite 408 Blanks Building  
P.O. Box 10340  
Midland, Texas 79702  
Office phone - (915)-682-6822  
Home phone - (915)-694-2215

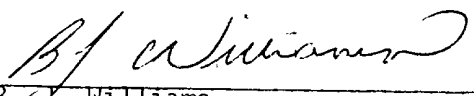
Pogo Producing Company  
SCL Federal No. 1  
Sec. 1, T-22-S, R-31-E  
Eddy County, New Mexico

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13. Certification:

I hereby certify that I or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Pogo Producing Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

January 27, 1981  
Date

  
B. J. Williams  
Division Operations Manager  
Pogo Producing Company

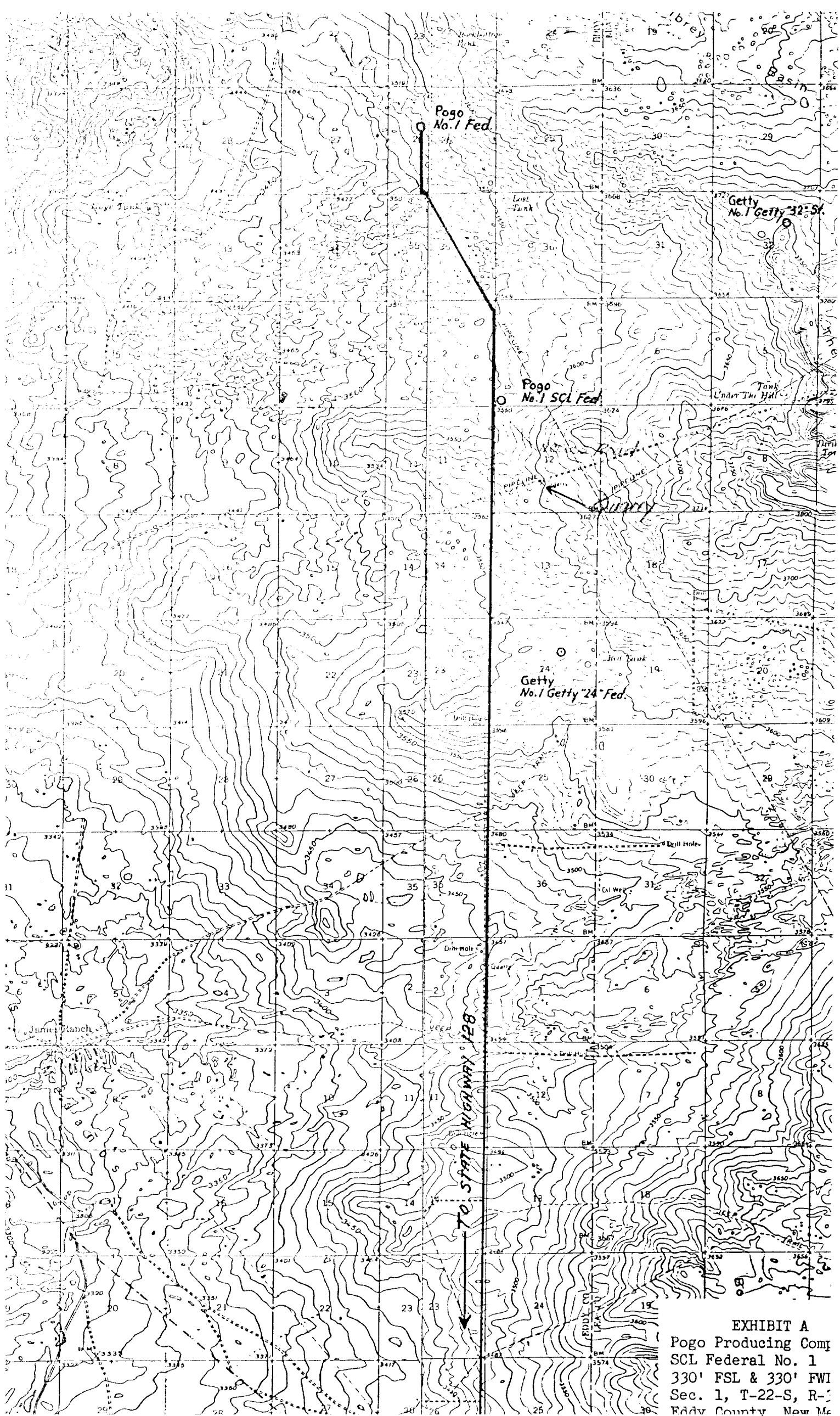


EXHIBIT A  
Pogo Producing Comp  
SCL Federal No. 1  
330' FSL & 330' FWI  
Sec. 1, T-22-S, R-  
Eddy County New Mc

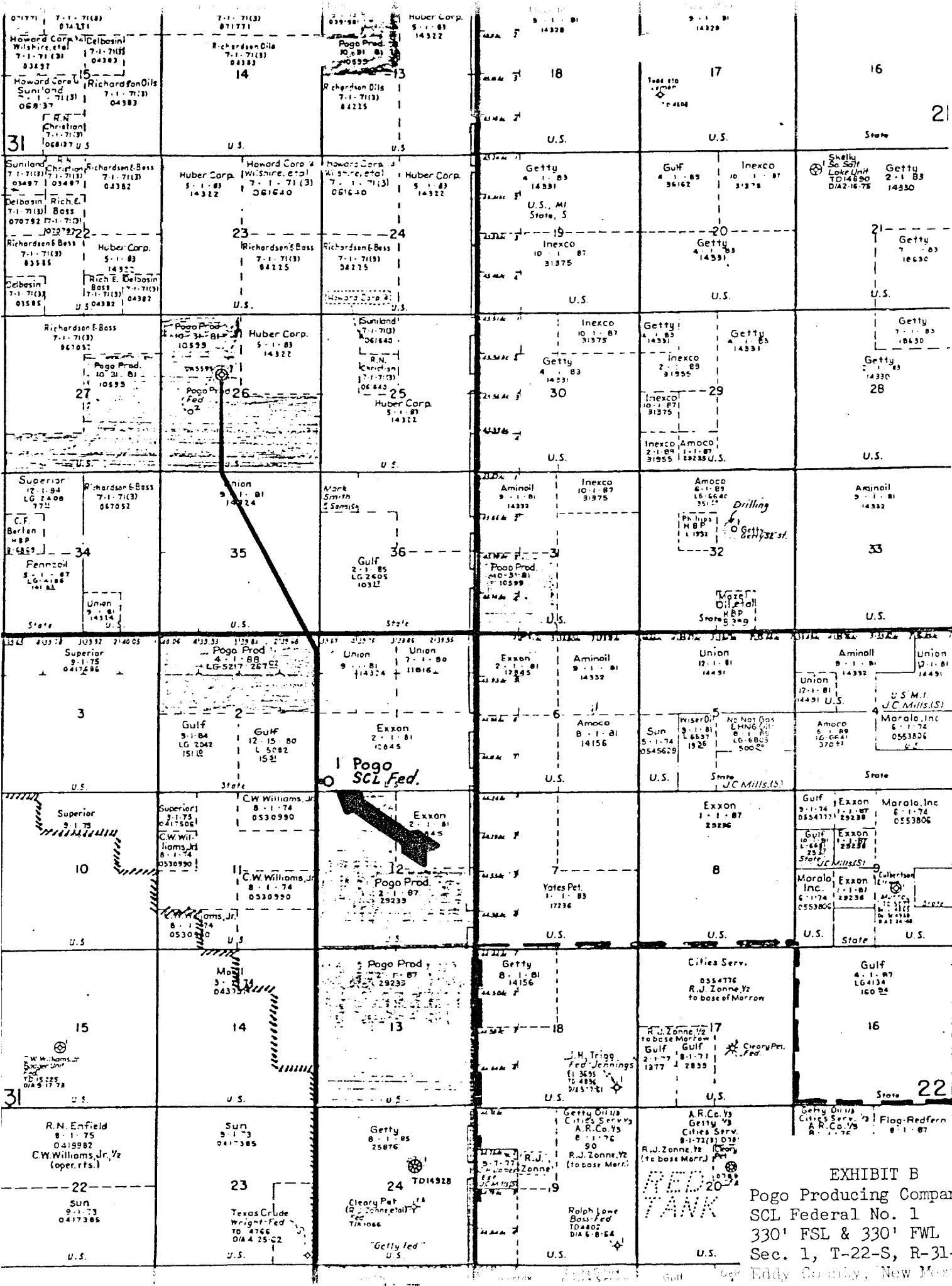


EXHIBIT B  
Pogo Producing Compan  
SCL Federal No. 1  
330' FSL & 330' FWL  
Sec. 1, T-22-S, R-31-  
Eddy County, New Mexi

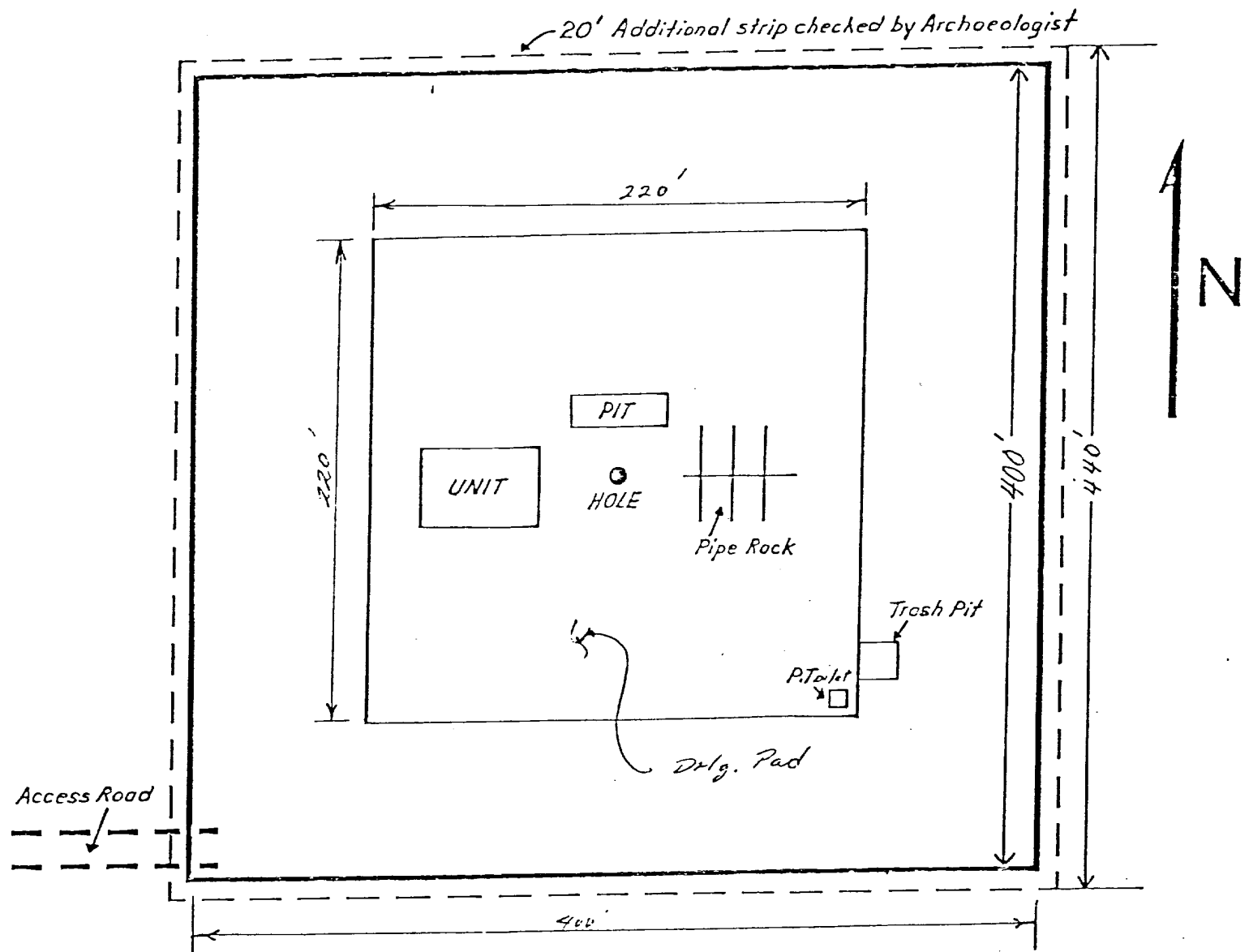


EXHIBIT C  
 Pogo Producing Company  
 SCL Federal No. 1  
 330' FSL & 330' FWL  
 Sec. 1, T-22-S, R-31-E  
 Eddy County, New Mexico