

N.M.O.C.D. COPY

SUBMIT IN TRI-CATE*
(Other instruct. on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23515

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"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 12559	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Pogo Producing Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 10340 Midland, Texas 79702			8. FARM OR LEASE NAME Brantley Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 580' FNL & 2130' FWL At proposed prod. zone 580' FNL & 2130' FWL			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles South of Malaga, New Mexico			10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 580'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T-26-S, R-28-E	
16. NO. OF ACRES IN LEASE 1400			12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None			20. ROTARY OR CABLE TOOLS Cable tools	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 2954' GR			22. APPROX. DATE WORK WILL START* October 25, 1980	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	10 3/4"	45.50#	210'	150 sxs
7 7/8"	5 1/2"	14.00#	2700'	600 sxs

Proposal is to drill a well to adequately test the Delaware formation. Cement will be circulated to surface on the 10 3/4" surface string.

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

OCT 31 1980

O.C.D.
ANTERIOR OFFICE

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 [Signature] TITLE Division Operations Manager DATE October 8, 1980
(This space for Federal or State office use)

PERMIT NO. (Orig. 14) GEORGE H. STEWART

APPROVAL DATE

ACTING DISTRICT ENGINEER

DATE OCT 27 1980APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

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

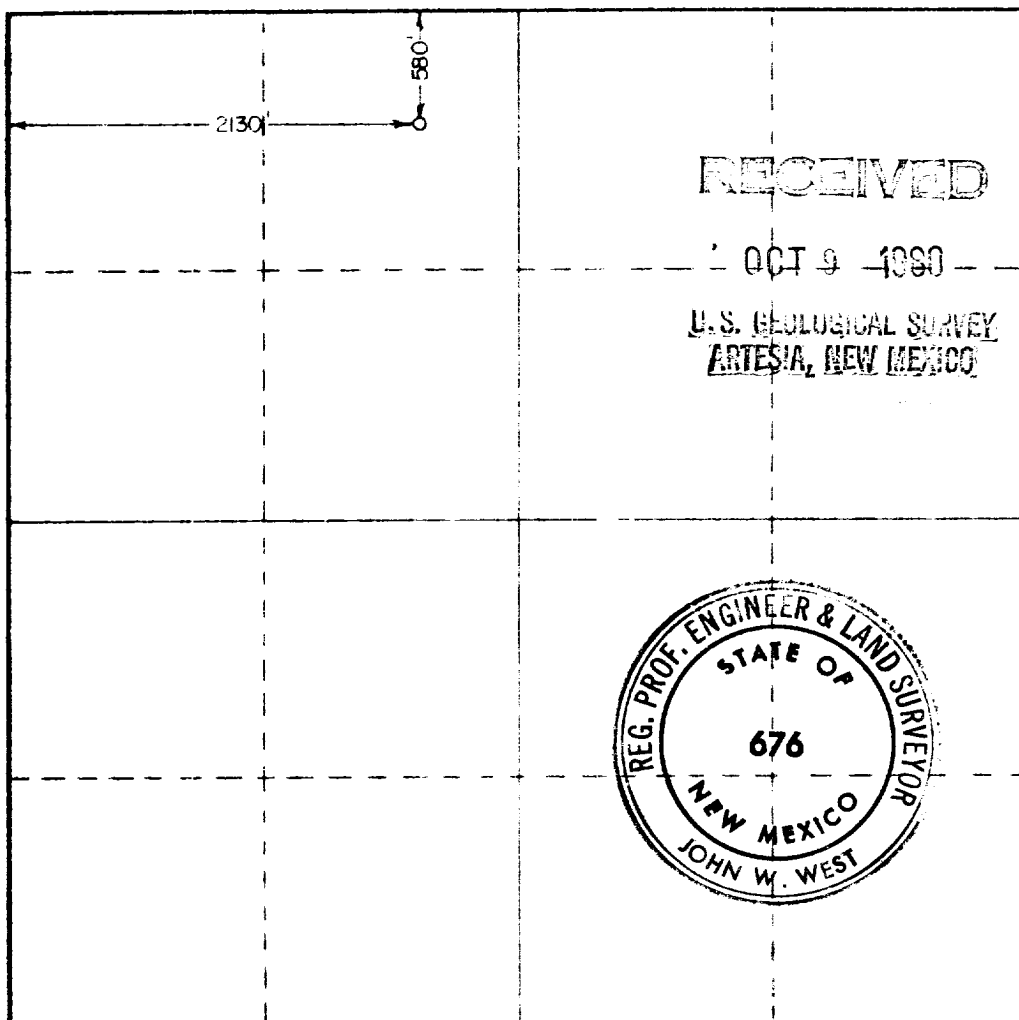
Operator Pogo Producing Company			Lease Brantly Federal		Well No. 1
Unit Letter: C	Section 23	Township 26 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 580 feet from the North line and 2130 feet from the West line					
Ground Level Elev. 2954.0	Producing Formation Delaware	Pool Wildcat	Dedicated Acreage: 40 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.

B. J. Williams

Name
B. J. Williams

Position
Division Operations Manager

Company
Pogo Producing Company

Date
October 8, 1980

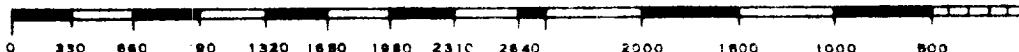
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
October 3, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6668
Ronald J. Eidson 3239



MULTIPOINT SURFACE USE AND OPERATION PLAN

Pogo Producing Company

Brantley Federal No. 1

580' FNL & 2130' FWL, Section 23, T-26-S, R-28-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 12 miles South of Malaga, New Mexico.

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

2. Planned Access Roads:

An access road will be constructed from Highway 285 East to the location. The road will be constructed 12' wide of native rock and gravel. A cattleguard and turnout will be located at the exit of Highway 285 and constructed to comply with New Mexico State Highway Department standards. The road will be approximately 75' in length. The centerline of the access road has been staked and flagged.

3. Location of Existing Wells:

There are no producing or drilling wells in the immediate area.

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:

The location will be cut from the top of a small hill with native rock and gravel on location used for compaction.

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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 on a small hill which will be cut and levelled with the excess dirt and gravel used on the edge of the pad and access road.
- C. The reserve pit will be lined.
- D. The pad and access road has 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. No additional restoration of the surface will be required as per agreement with the surface owner, Mr. Draper Brantley.

Pogo Producing Company
Brantley Federal No. 1
Sec. 23, T-26-S, R-28-E
Eddy County, New Mexico

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11. Other Information:

A. Terrain -

The proposed location is situated amid rolling hills due north of the Delaware River. Drainage is toward the south and is tributary to it. Typically, the crests and slopes of areal eminences are covered with limestone and sandstone nodules. Soils are generally composed of thin sandy loams which contain infrequent quartzite inclusions. Peds are intergrades of the Typic Calciorthid and Typic Paleorthid subgroups.

B. Floristics -

The local floral assemblage consists of a low overstory of predominantly *Acacia constricta*. In association are: *Larrea tridentata*, *Condalia ericoides*, *Condalia lycioides* and *Koberlinia spinosa*. Principal forbes are: *Lepidium* sp., *Dalea formosa*, *Gutierrezia sarothrae* and *Sartwellia* sp. Cacti are represented by *Opuntia macrocentra* and *Echinocereus* sp. Grasses are scant and represented only by *Aristida* sp., and *Muhlenbergia* sp.

C. Ponds and Streams -

There are no rivers, streams, lakes, or ponds in the immediate area.

D. Occupied Dwellings -

There is a residence located approximately 2 miles NNW which does not appear to be occupied.

E. Cultural Resources:

No archaeological resources were observed in the area.

F. Land Use -

Grazing and hunting in season.

G. Surface Ownership -

The surface owner is the Delaware Ranch, Inc, managed by Mr. Draper Brantley 706 Riverside Drive, Carlsbad, New Mexico.

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

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Brantley Federal No. 1
Sec. 23, T-26-S, R-28-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.

Date

10/8/50

B. J. Williams

B. J. Williams
Division Operations Manager
Pogo Producing Company

APPLICATION FOR DRILLING

Pogo Producing Company

Brantley Federal No. 1

Eddy County, New Mexico

In conjunction with permitting the captioned well for drilling in Section 23, T-26-S, R-28-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 Rustler Anhydrite & Dolomite.

2. Estimated tops of geologic markers as follows:

Castile Anhydrite & Salt	-	1125'
Lamar Limestone	-	2505'
Delaware Sand	-	2540'

3. The depth at which oil, gas or water are expected is: 2540'.

4. Casing Program and Cement:

All casing is new.

10 3/4" 45.50# K-55 STC @ 210' w/150 sxs Cl C w/2% CaCl plus 1/4# flocele per sk.

5 1/2" 14# K-55 STC @ 2700' w/400 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 210', the gamma ray will be run to the surface.

7. No abnormal temperatures or additional hazards are expected to be encountered.

8. The anticipated starting date is October 25, 1980 with completion expected by December 20, 1980.

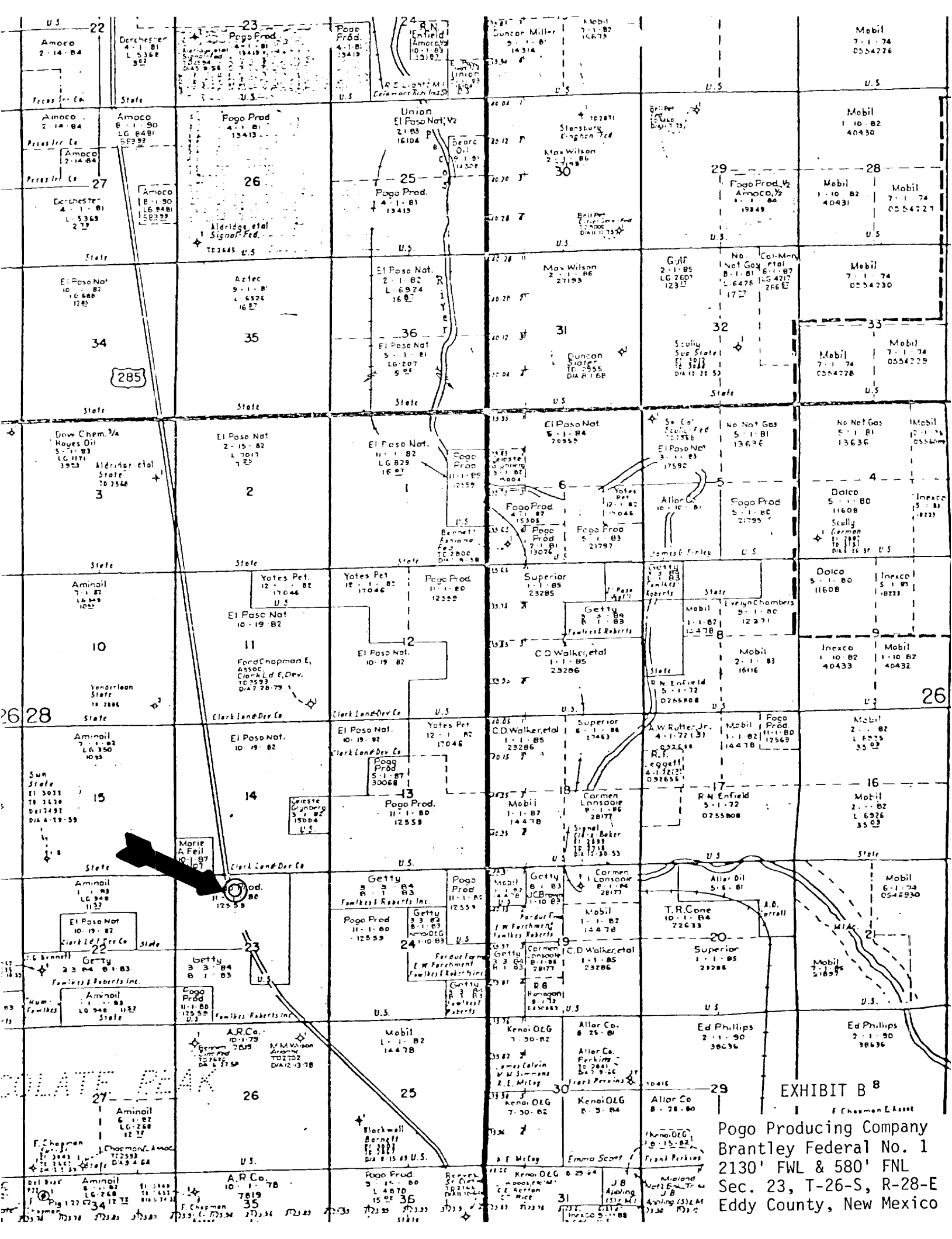


EXHIBIT B

Pogo Producing Company
Brantley Federal No. 1
2130' FWL & 580' FNL
Sec. 23, T-26-S, R-28-E
Eddy County, New Mexico

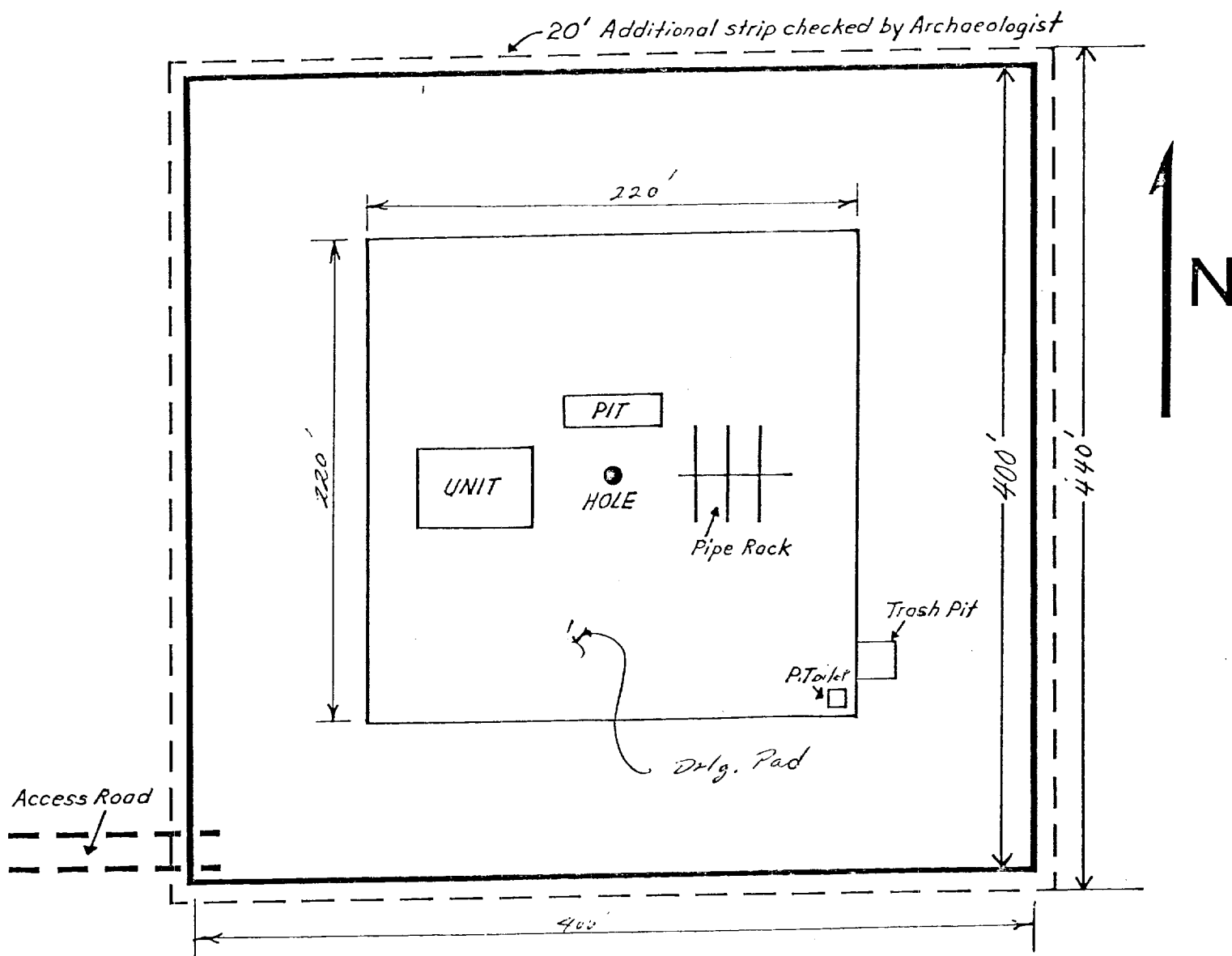
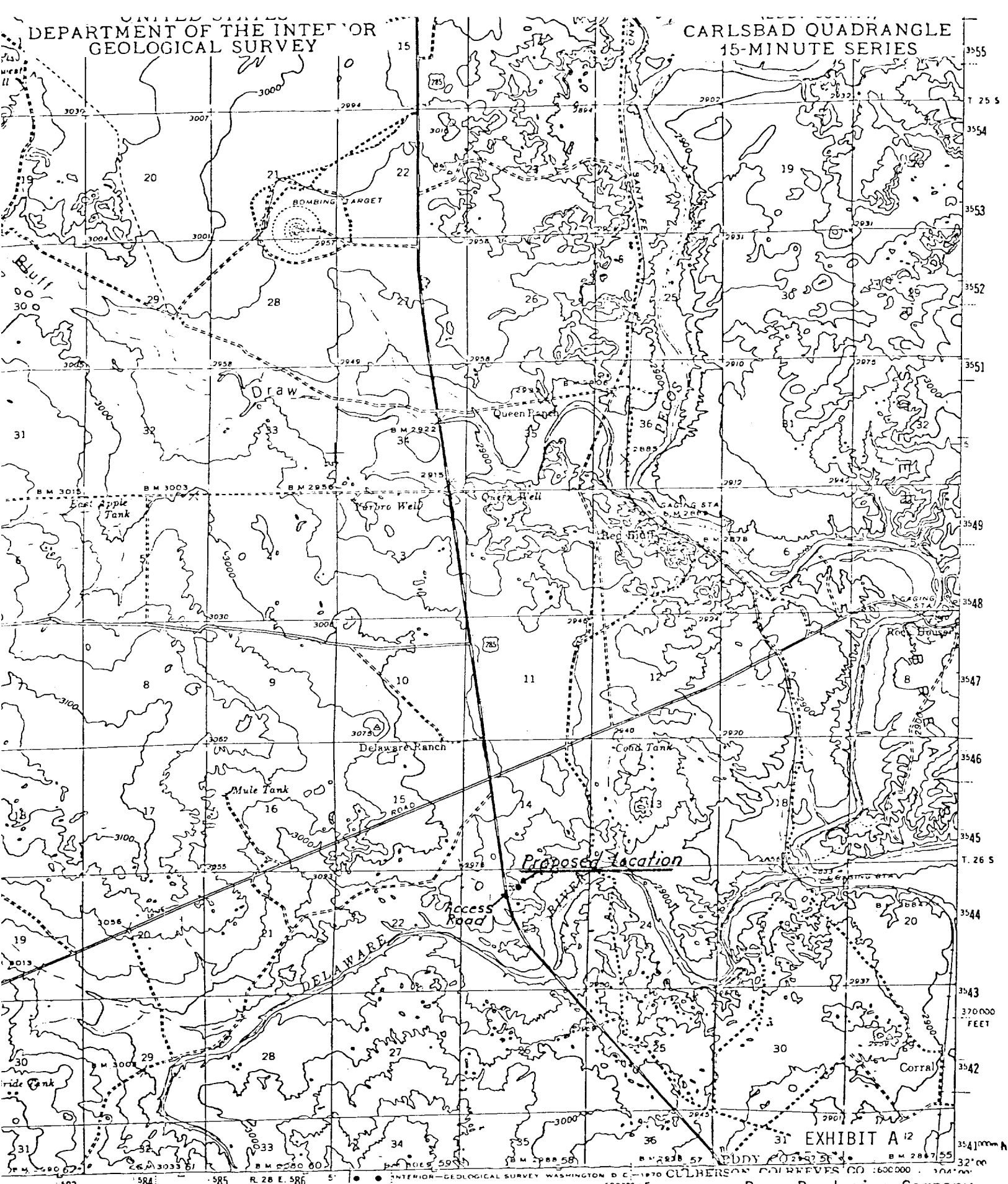
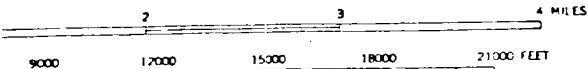


EXHIBIT C

Pogo Producing Company
 Brantley Federal No. 1
 2130' FWL & 580' FNL
 Sec. 23, T-26-S, R-28-E
 Eddy County, New Mexico



SCALE 1:62,500



Road Classification
1948

Dependent hard surface	Gravel weather roads	U.S. Route
Heavy duty road	Loose surface, graded	State Route
Secondary hard surface	Unsurfaced, graded	
At weather road	Poor road	

Pogo Producing Company
Brantley Federal No. 1
2130' FWL & 580' FNL
Sec. 23, T-26-S, R-28-E
Eddy County, New Mexico

1:250,000 1:100,000 1:62,500