

RESUBMITTAL

New Mexico Oil Conservation Division, District I

1625 N. French Drive  
Albuquerque, NM 87240  
(reverse side)

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

905

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL <input checked="" type="checkbox"/></b> <b>DEEPEN <input type="checkbox"/></b>		5. LEASE DESIGNATION AND SERIAL NO. NM-69377
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Poqo Producing Company		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. P. O. Box 10340, Midland, TX 79702-7340 (915)685-8100		8. FARM OR LEASE NAME, WELL NO. Red Tank 28 Federal #4
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 330' FSL & 2310' FEL At proposed prod. zone Same		9. API WELL NO. 30-025-36009
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 30 air miles west of Eunice, New Mexico		10. FIELD AND POOL, OR WILDCAT W. Red Tank Delaware
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest orig. unit line, if any) 330'	16. NO. OF ACRES IN LEASE 320	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28, T22S, R32E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1650'	19. PROPOSED DEPTH 9000'	12. COUNTY OR PARISH Lea County
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3579.9' GR <b>Carlsbad Controlled Water Basin</b>		13. STATE NM
22. APPROX. DATE WORK WILL START* When approved		

23. PROPOSED CASING AND CEMENTING PROGRAM

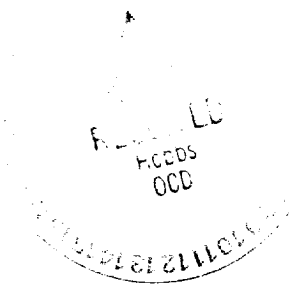
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	54.5	800	Sufficient to circulate
11	8-5/8	24 & 32	4600	Sufficient to circulate
7-7/8	5-1/2	17	9000	To tie back to 3600'

After setting production casing, pay zone will be perforated and stimulated as necessary.

See attached for: Supplemental drilling data  
BOP Sketch  
Surface use and operations plan

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED**

OPER. OGRID NO. 17891  
PROPERTY NO. 9342  
POOL CODE 51689  
EFF. DATE 9-27-02  
API NO. 30-025-36009



IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, 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 Cathy Imberlin TITLE Sr. Operation Tech DATE 08/21/02  
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ Mary J. Rugwell FOR FIELD MANAGER DATE SEP 25 2002

\*See Instructions On Reverse Side

**APPROVAL FOR 1 YEAR**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-81

OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Artec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

API # 30-025-36009

Operator POGO PRODUCING CO. 17891		Lease RED TANK 28 FEDERAL 9342		Well No. 4
Unit Letter O	Section 28	Township 22 SOUTH	Range 32 EAST NMPM	County LEA
Actual Footage Location of Well: 330 feet from the SOUTH line and 2310 feet from the EAST line				
Ground Level Elev. 3579.9'	Producing Formation DELAWARE	Pool W. Red Tank Delaware 51689	Dedicated Acreage: 40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)</p> <p>No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>				

OPERATOR CERTIFICATION

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

Signature  
Richard L. Wright

Printed Name  
Richard L. Wright

Position  
Division Operations Supr

Company  
POGO PRODUCING COMPANY

Date  
September 24, 1992

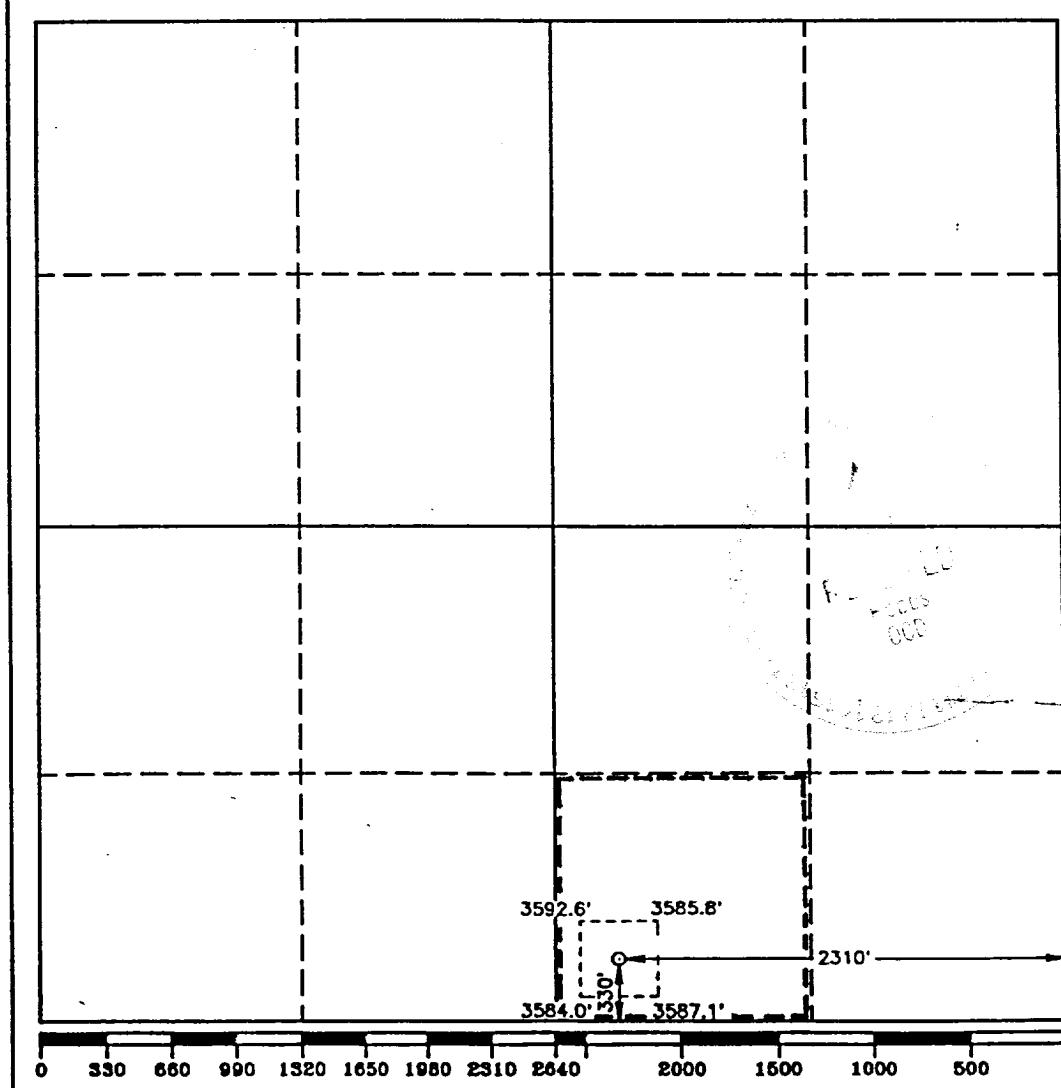
SURVEYOR CERTIFICATION

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  
AUGUST 20, 1992

Signature & Seal of  
Professional Surveyor

REGISTERED LAND SURVEYOR  
No. 3239  
JOHN W. WEST  
DONALD J. EDSON  
MEXICO  
1977



SUPPLEMENTAL DRILLING DATA  
POGO PRODUCING COMPANY  
RED TANK 28 FEDERAL WELL NO. 4

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	800'
Delaware Lime	4600'
Cherry Canyon	5900'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Delaware	Oil
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4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
13-3/8"	0	800'	54.5#	J-55	STC
8-5/8"	0	1000'	32#	J-55	STC
"	1000'	2200'	24#	J-55	STC
"	2200'	4600'	32#	J-55	STC
5-1/2"	0	1000'	17#	N-80	LTC
"	1000'	6500'	17#	J-55	STC
"	6500'	9000'	17#	N-80	LTC

MINIMUM DESIGN FACTORS: Collapse 1.125 Burst: 1.1 TENSION 1.7

13-3/8" casing to be cemented with 500 sacks of Light followed by 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

8-5/8" casing to be cemented with 1200 sacks of Light cement with 10% salt followed by 200 sacks of Class "C" cement with 1% CaCl. Cement to circulate.

5-1/2" casing to be cemented with approximately 500 sacks of Light cement followed by 700 sacks of Class "H". If need for a stage tool is indicated, it will be positioned to best suit hole conditions at time casing is run. Cement to tie back to 3600 feet.

Cement may have lost circulation or other additives depending on hole

F-100  
F-100  
000

9. ABNORMAL PRESSURES, TEMPERATURES, OR HYDROGEN SULFIDE GAS:

None anticipated.

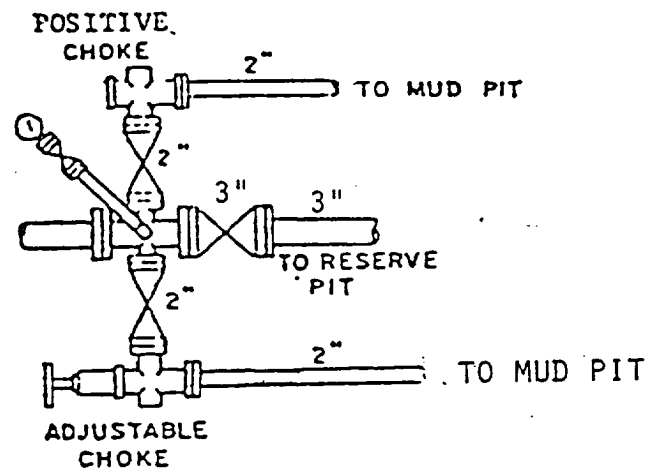
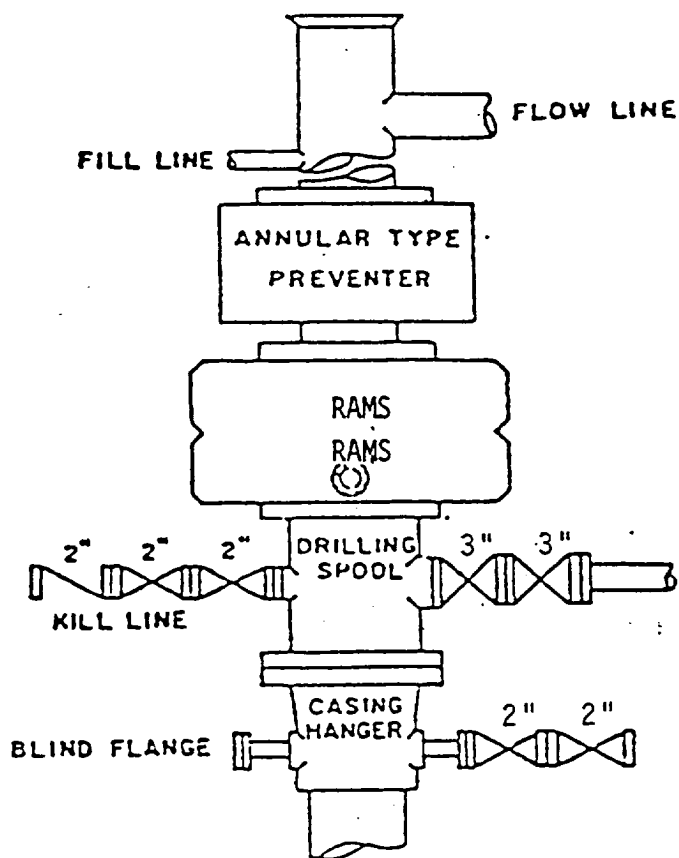
Expected bottom hole pressure is approximately 3500 psi.

Expected bottom hole temperature is approximately 125 degrees Fahr.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence upon approval of this application, with drilling and completion operations lasting about 45 days.

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BOP STACK

3000 PSI WORKING PRESSURE



BOP ARRANGEMENT

SURFACE USE AND OPERATIONS PLAN

FOR

POGO PRODUCING COMPANY  
RED TANK 28 FEDERAL WELL NO. 4  
330' FSL & 2310' FEL SEC. 28, T. 22 S., R. 32 E.  
LEA COUNTY, NEW MEXICO

LOCATED: 30 miles west of Eunice, New Mexico.

FEDERAL LEASE NUMBER: NM-69377.

LEASE DATE: November 1, 1987, for five years.

ACRES IN LEASE: 320.

RECORD LESSEE: Pogo.

SURFACE OWNERSHIP: Federal.

GRAZING PERMITTEE: J.C. Mills  
P.O. Box 190  
Abernathy, Texas 79311

POOL: W, Red Tank Delaware

POOL RULES: Statewide. 40 acre spacing for oil.

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

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### 1. EXISTING ROADS:

A. Exhibit "A" is a portion of a road map showing the location of the proposed well as staked. The proposed well site can be reached by, either going south off US 62-180, or by going north off State 128. Point "A" on the plat is on 62-180 at Milepost 66.8, approximately 38 miles west of Hobbs, New Mexico, where Lea County road C-29 goes south. Also see Exhibits "B" and "D". To go to the proposed well site from this point, exit 62-180 to the south on the paved road and go 14 miles to where Eddy 797 (Mills Ranch road) goes southwest and a caliche road goes northeast. Turn northeast and go 5.2 miles to where a caliche road goes southeast. Turn southeast and go 1.1 mile and the proposed well site will be about 4600 feet east-southeast of this point.

B. Exhibit "B" shows existing pertinent roads in the vicinity of the proposed well site. Existing roads are color coded.

### 2. PLANNED ACCESS ROAD:

A. Length and Width: The new road will be 12 feet wide and about 1700 feet long, extending from the well pad of this proposed well to the planned well No. 2 as shown on Exhibit "B". The centerline of the proposed new road is staked and flagged.

B. Surfacing Material: Caliche. Watered, compacted, and graded.

C. Maximum Grade: Approximately one percent.

D. Turnouts: Probably two.

E. Drainage Design: The new road will be crowned with drainage to the side.

F. Culverts: None needed.

G. Cuts and Fills: None necessary.

H. Gates and Cattle Guards: Not needed. No fences involved.

### 3. LOCATION OF EXISTING WELLS:

A. Existing wells in the immediate area are shown on Exhibit "B".

### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. Production from this well will be delivered to the lease tank

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battery planned for construction on the well pad at proposed Well No. 2. The flow line will be 3" polyethylene SDR-7 pipe laid on the ground alongside the road and will extend from the well to the proposed tank battery as shown on Exhibit "B". Anticipated flow line pressure is estimated to be about 60 psi.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is not planned that a water well will be drilled. Water necessary for drilling operations will be purchased and trucked to the well site, or will be moved to the well site by temporary pipeline laid on the ground alongside existing and proposed roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche needed for construction work will be taken, if present, from a pit opened on-site within the 400'x 450' work area. Otherwise, caliche will be taken from an existing pit on State land in Section 16, T.22 S., R.32 E., Lea County, New Mexico, and will be trucked to the well site over existing and proposed roads.

7. METHODS OF HANDLING WASTE MATERIAL:

A. Drill cuttings will be disposed of in the drilling pits.

B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.

C. Water produced during tests will be disposed of in the drilling pits or will be stored in tanks for disposal in an approved disposal system.

D. Oil produced during tests will be stored in test tanks until sold.

E. All trash, junk, and other waste material will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary land fill.

8. ANCILLARY FACILITIES:

A. None necessary.



#### 9. WELL SITE LAYOUT:

A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pits, reserve pit, and trash pit, and the location of major drilling rig components.

B. Clearing and levelling of the well site will be required.

C. The pad and pit area is staked and flagged.

#### 10. PLANS FOR RESTORATION OF THE SURFACE:

A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location will be cleaned of all trash and junk to leave the well site in an as aesthetically pleasing condition as possible.

B. Any unguarded pits containing fluids will be fenced until the pits are dry.

C. After abandonment, all equipment, trash and junk will be removed and the well site will be cleaned. Any special rehabilitation and/or special revegetation requirements of the surface management agency will be complied with and will be accomplished as rapidly as possible.

#### 11. OTHER INFORMATION:

A. Topography: The land surface in the area is undulating and dunny. In the immediate area of the well site, land slope is to the southwest.

B. Soil: Top soil at the well site is sand.

C. Flora and Fauna: The vegetative cover is moderate and includes mesquite, shinnery oak, sand sage, yucca, 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, ponds, or streams in the area.

E. Residences and Other Structures: There are no occupied dwellings or other structures within a mile of the proposed well site.

F. Archaeological, Historical, and Cultural Sites: None observed. However, an archaeological reconnaissance is to be accomplished and a report furnished.

G. Land Use: Grazing and wildlife habitat.

H. Surface Ownership: Federal.

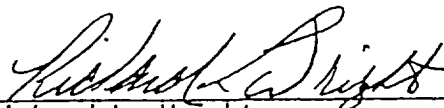
12. OPERATOR's REPRESENTATIVE:

Richard L. Wright  
Division Operations  
Pogo Producing Company  
P. O. Box 10340  
Midland, Texas 79702  
Office Phone: 915-685-8100

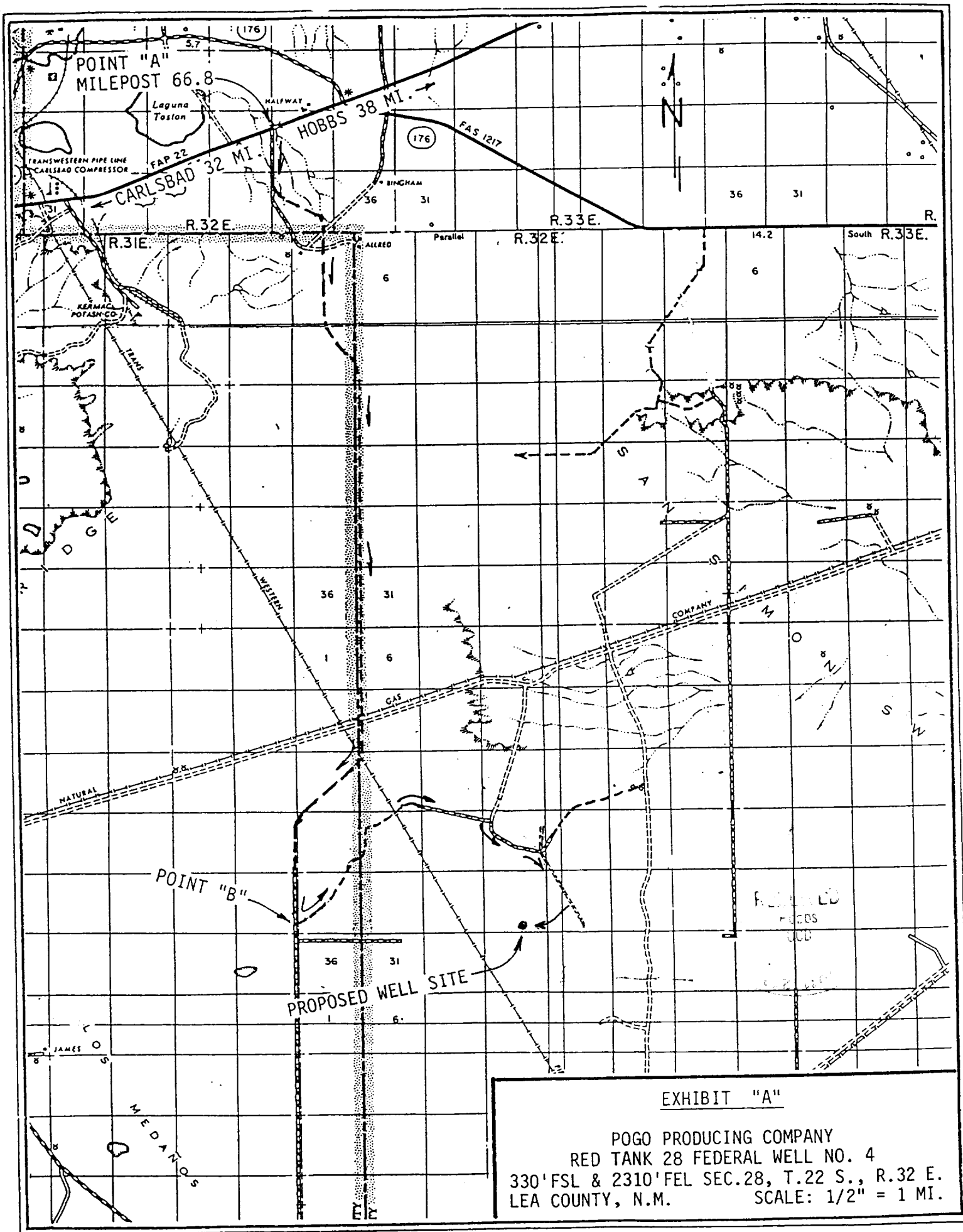
13. CERTIFICATION:

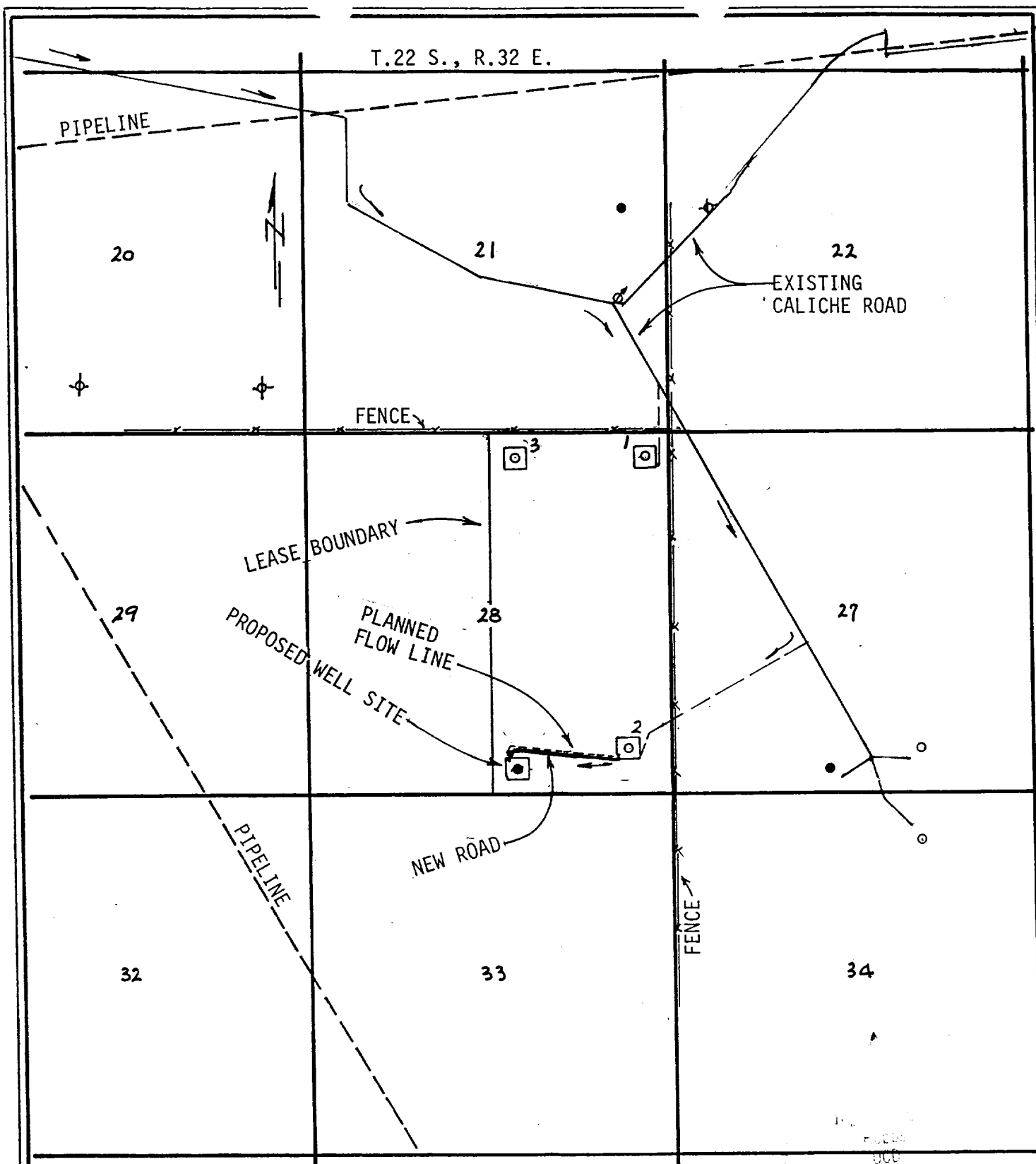
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated 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. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

September 17, 1992  
Date:

  
Richard L. Wright  
Division Operations Manager

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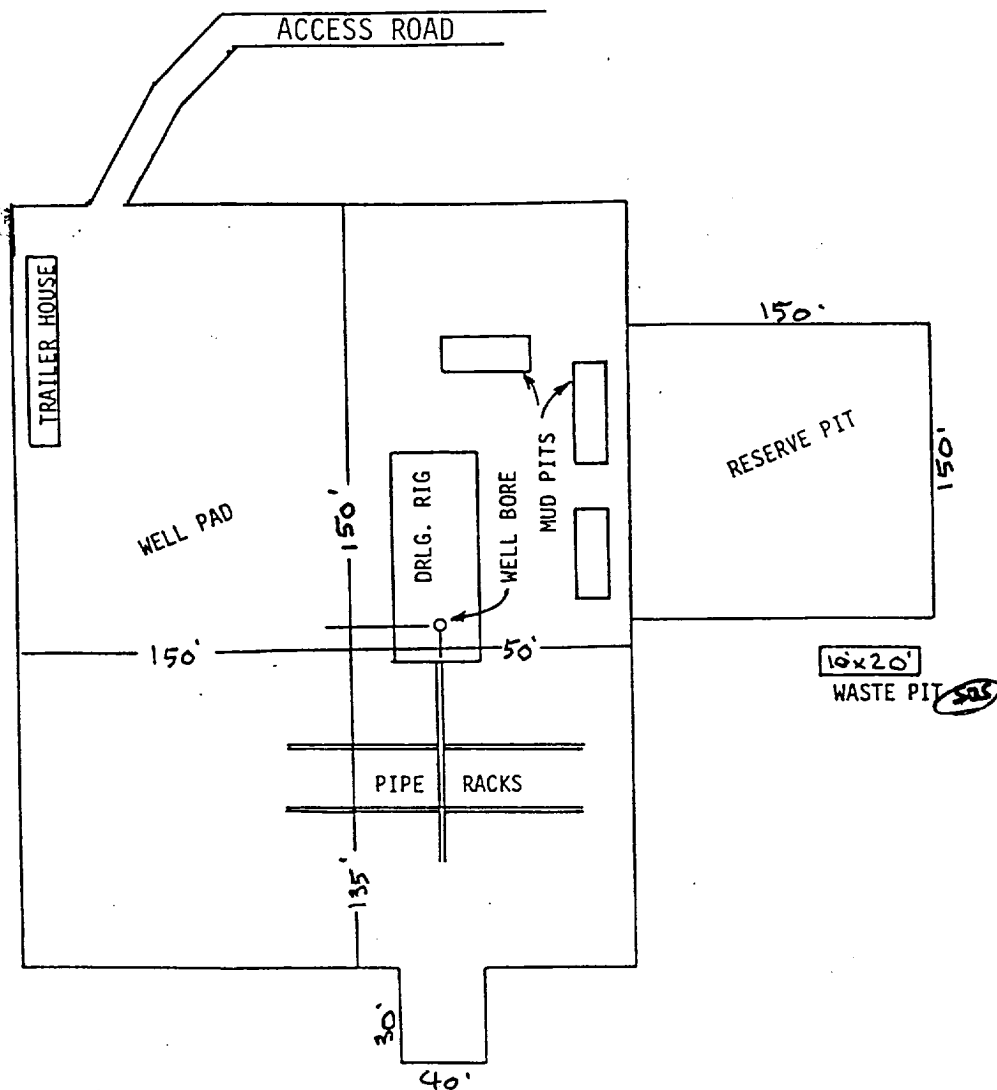


LEGEND:

- Oil Well
- ⊕ Plugged Well
- Proposed Well
- Existing Caliche Road
- Proposed New Road

EXHIBIT "B"

POGO PRODUCING COMPANY  
 RED TANK 28 FEDERAL WELL NO. 4  
 330' FSL & 2310' FEL SEC. 28, T.22 S., R.32 E.  
 LEA COUNTY, N.M. SCALE: 1" = 2000'



# EXHIBIT "C"

POGO PRODUCING COMPANY  
 RED TANK 28 FEDERAL WELL NO. 4  
 DRILLING RIG LAYOUT  
 SCALE: None

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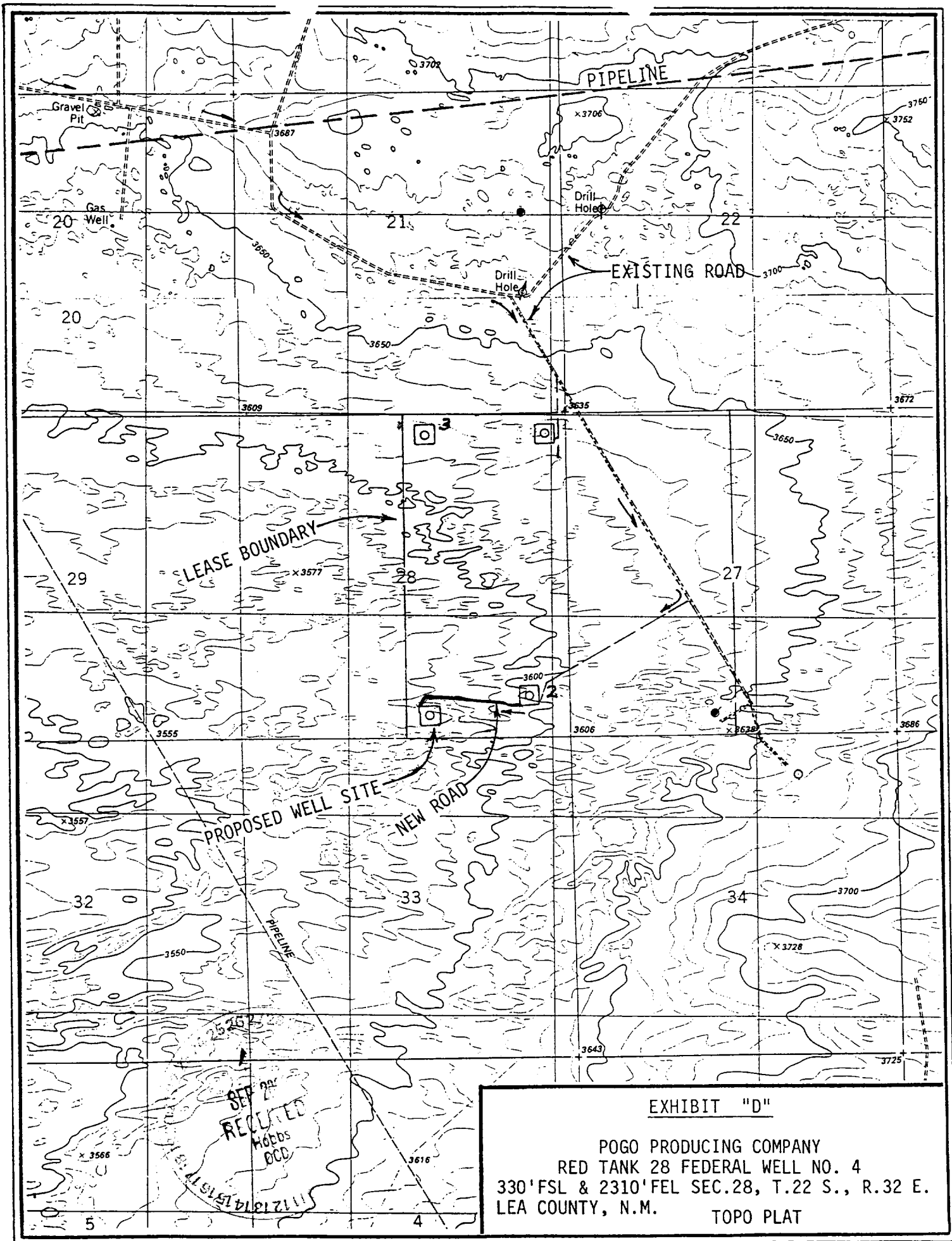


EXHIBIT "D"

POGO PRODUCING COMPANY  
RED TANK 28 FEDERAL WELL NO. 4  
330' FSL & 2310' FEL SEC. 28, T. 22 S., R. 32 E.  
LEA COUNTY, N.M. TOPO PLAT