

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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-53231	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <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 79702-0004		8. FARM OR LEASE NAME MARIS FEDERAL	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 870' FNL AND 1980' FWL OF SECTION 9 Ut. C		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 13 AIR MILES SOUTH-SOUTHEAST OF MALAGA, NEW MEXICO		10. FIELD AND TOOL, OR WILDCAT X WILDCAT Delaware	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ---		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 9, T. 26 S., R. 29 E.	
16. NO. OF ACRES IN LEASE 400		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. ---		19. PROPOSED DEPTH 5500'	
20. ROTARY OR CABLE TOOLS ROTARY		21. APPROX. DATE WORK WILL START UPON APPROVAL	
21. ELEVATIONS (Show whether DF, ET, GR, etc.) 2930.3' GR		22. APPROX. DATE WORK WILL START UPON APPROVAL	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	450'	SUFFICIENT TO CIRCULATE
7-7/8"	5-1/2"	15.5#	5500'	SUFFICIENT TO CIRCULATE

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



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 Richard I. Wright TITLE Drilling and Production Supt. DATE April 23, 1992  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE AREA MANAGER DATE 5-29-92  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

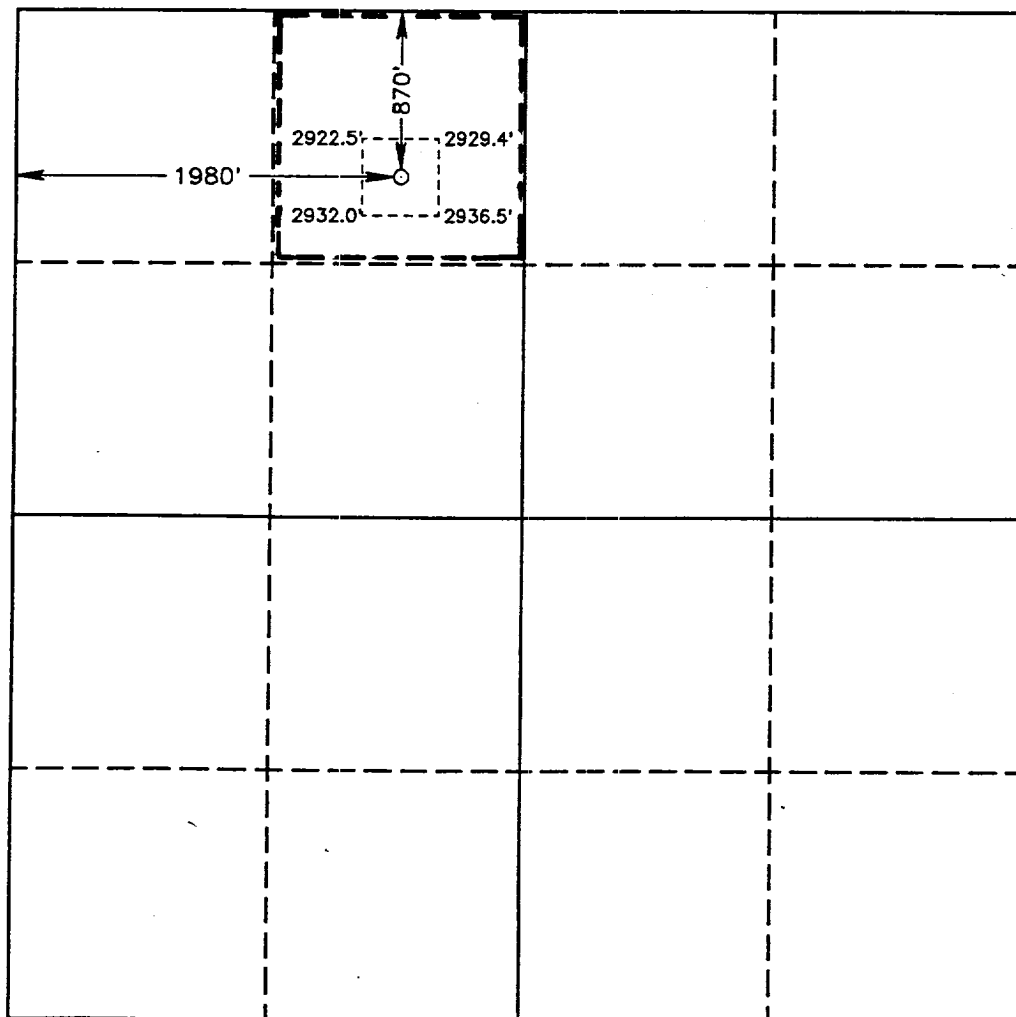
All Distances must be from the outer boundaries of the section

Operator <b>POGO PRODUCING COMPANY</b>			Lease <b>MARIS FEDERAL</b>		Well No. <b>1</b>
Unit Letter <b>C</b>	Section <b>9</b>	Township <b>26 SOUTH</b>	Range <b>29 EAST</b>	County <b>EDDY</b>	
Actual Footage Location of Well: <b>870</b> feet from the <b>NORTH</b> line and <b>1980</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>2930.3'</b>	Producing Formation <b>DELAWARE</b>	Pool <b>WILDCAT</b>			Dedicated Acreage: <b>40</b> Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)

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.



**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  
**Dist. Drlg. & Prod. Supt.**

Company  
**POGO PRODUCING COMPANY**

Date  
**April 23, 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  
**APRIL 2, 1992**

Signature & Seal of  
Professional Surveyor

*Ronald J. Jones*  
REGISTERED LAND SURVEYOR  
No. 3239  
Certificate No. 1 JOHN W. WEST 878  
RONALD J. JONES 3239  
RONALD J. JONES 7977  
92-111-0489

SUPPLEMENTAL DRILLING DATA

POGO PRODUCING COMPANY

MARIS FEDERAL WELL NO. 1

1. SURFACE FORMATION: Quaternary

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	350'
Delaware Lime	2950'
Bell Canyon	3000'
Cherry Canyon	3900'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Cherry Canyon	Oil
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4. PROPOSED CASING AND CEMENTING PROGRAM:

8-5/8" 24# K-55 ST&C casing is to be set at approximately 450 feet in 11" hole. Casing to be cemented with 200 sacks of Light cement tailed in with 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

5-1/2" 15.5# K-55 ST&C casing is to be set at 5500 feet in 7-7/8" hole. Casing is to be cemented with 500 sacks of Light cement tailed in with 200 sacks of Class "C" cement. Cement to circulate.

5. PRESSURE CONTROL EQUIPMENT:

Blow out prevention equipment, while drilling below the 8-5/8" casing seat, will be a 3000 psi working pressure BOP stack. A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 450 feet: Fresh water spud mud. Viscosity 30 to 36 as required for hole cleaning.

450 feet to T.D.: Water base drilling fluid conditioned as necessary for control of weight, viscosity, pH, and

water-loss. Weight 9 to 10. Viscosity 38 to 45.  
pH 9 to 10. Filtrate while drilling pay zone 6 to 15.

7. AUXILIARY EQUIPMENT:

A mud logging trailer will be in use while drilling below a depth of about 2700 feet.

8. TESTING, LOGGING, AND CORING PROGRAMS:

Drill stem tests will be made if well data and other information indicate a test is warranted.

It is planned that electric logs will include GR-CNL-Density logs and GR-DLL logs.

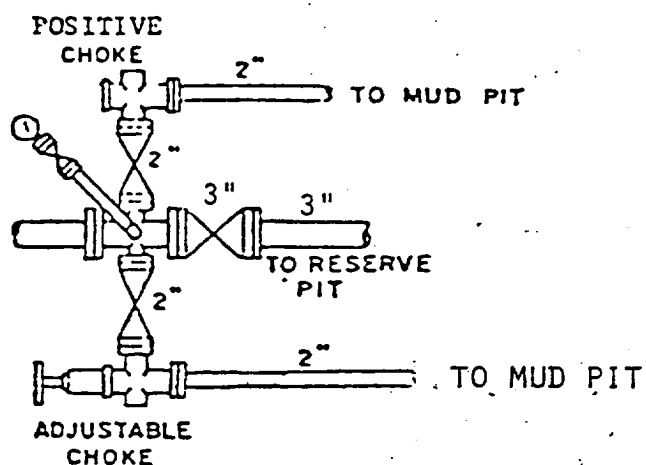
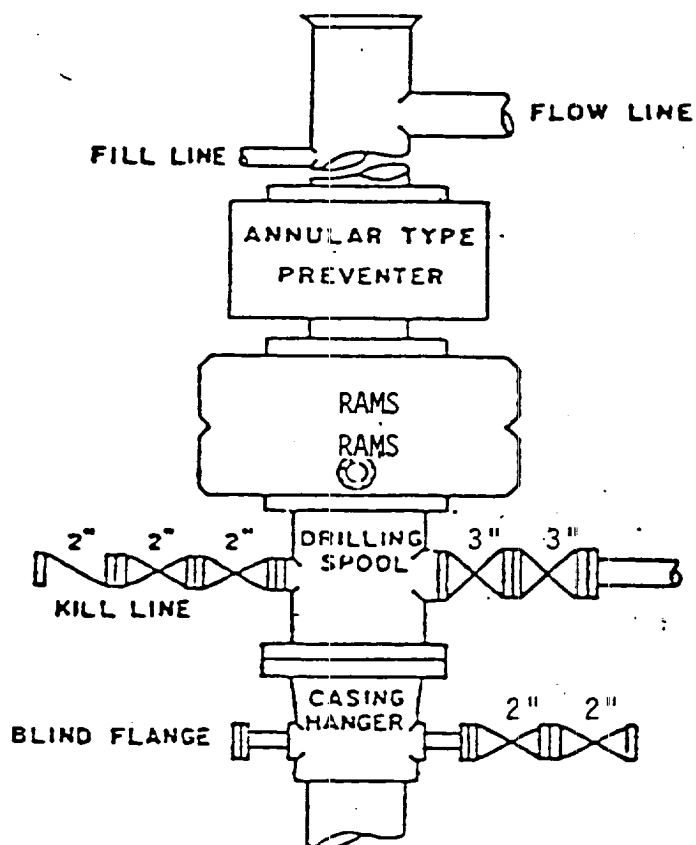
No coring is planned.

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

None anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence upon approval of this application, with drilling and completion operations lasting about 30 days.



BOP STACK

3000 PSI WORKING PRESSURE

BOP ARRANGEMENT

SURFACE USE AND OPERATIONS PLAN

FOR

POGO PRODUCING COMPANY  
MARIS FEDERAL WELL NO. 1  
870' FNL & 1980' FWL SEC. 9, T. 26 S., R. 29 E.  
EDDY COUNTY, NEW MEXICO

LOCATED: 12 air miles south-southeast of Malaga, New Mexico.

FEDERAL LEASE NUMBER: NM-53231.

LEASE DATE: August 1, 1982.

ACRES IN LEASE: 400.

RECORD LESSEE: Newman Partnership.

SURFACE OWNERSHIP: Federal.

GRAZING PERMITTEE: Byron W. Paschal (915-445-2988)  
P. O. Box 1847  
Pecos, Texas 79772

POOL: Wildcat.

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

### 1. EXISTING ROADS:

A. Exhibit "A" is a portion of a road map showing the location of the proposed well as staked. Point "A" on the plat is on US 285 at Mile Marker 3.8, approximately 12 miles south of Malaga, New Mexico, where Eddy County road 725 (paved) goes east. Also see Exhibits "B" and "D". To go to the proposed well site from this point, exit US 285 to the east and go 3.7 miles to arrive at the low water crossing of the Pecos River. Continue southeasterly 0.3 mile to where a caliche pipeline road goes east. Turn east and go 0.4 mile. The proposed well site is approximately 850 feet south 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 800 feet long, and is shown labeled and color coded red 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 one.

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

F. Culverts: None necessary.

G. Cuts and Fills: None necessary.

H. Gates and Cattle Guards: None necessary. 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. Necessary production facilities for this proposed well will be located on the well pad.

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 should be available on-site within the archaeologically cleared work area. If additional caliche is needed, it will be taken from an existing pit of Federal land in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 6, T.26 S., R.30 E., Eddy County, New Mexico. Caliche needed 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 waste pit, and the location of major drilling rig components.

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

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 from the well site. 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.

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

11. OTHER INFORMATION:

A. Topography: The general area of the proposed well site is a gently undulating landscape. In the immediate area of the well site, land slope is to the northwest. Regionally, drainage is to the west and southwest to the Pecos River.

B. Soil: Top soil in the immediate area of the proposed well site is a sandy loam.

C. Flora and Fauna: The vegetative cover is moderate and includes creosote bush, yucca, other desert plants, 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: The Pecos River at its nearest point is about three-quarters of a mile west-northwest. There are no other ponds or streams.

E. Residences and Other Structures: There are no occupied dwellings 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.

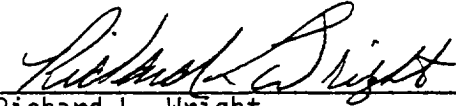
12. OPERATOR's REPRESENTATIVE:

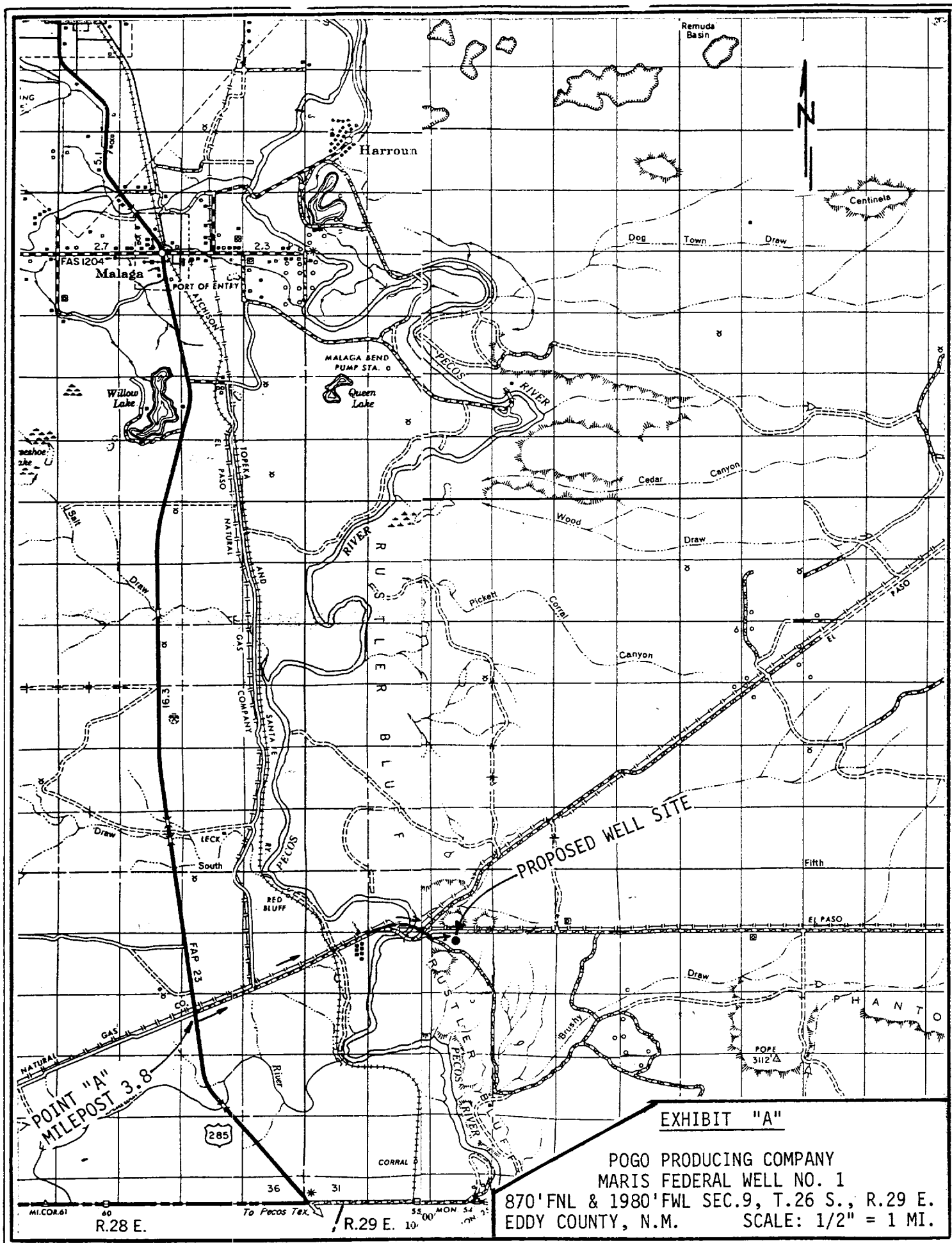
Richard L. Wright  
Drilling and Production Superintendent  
Pogo Producing Company  
P. O. Box 10340  
Midland, Texas 79702  
Office Phone: 915-682-6822

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.

April 20, 1992  
Date:

  
\_\_\_\_\_  
Richard L. Wright  
Drilling and Production Supt.

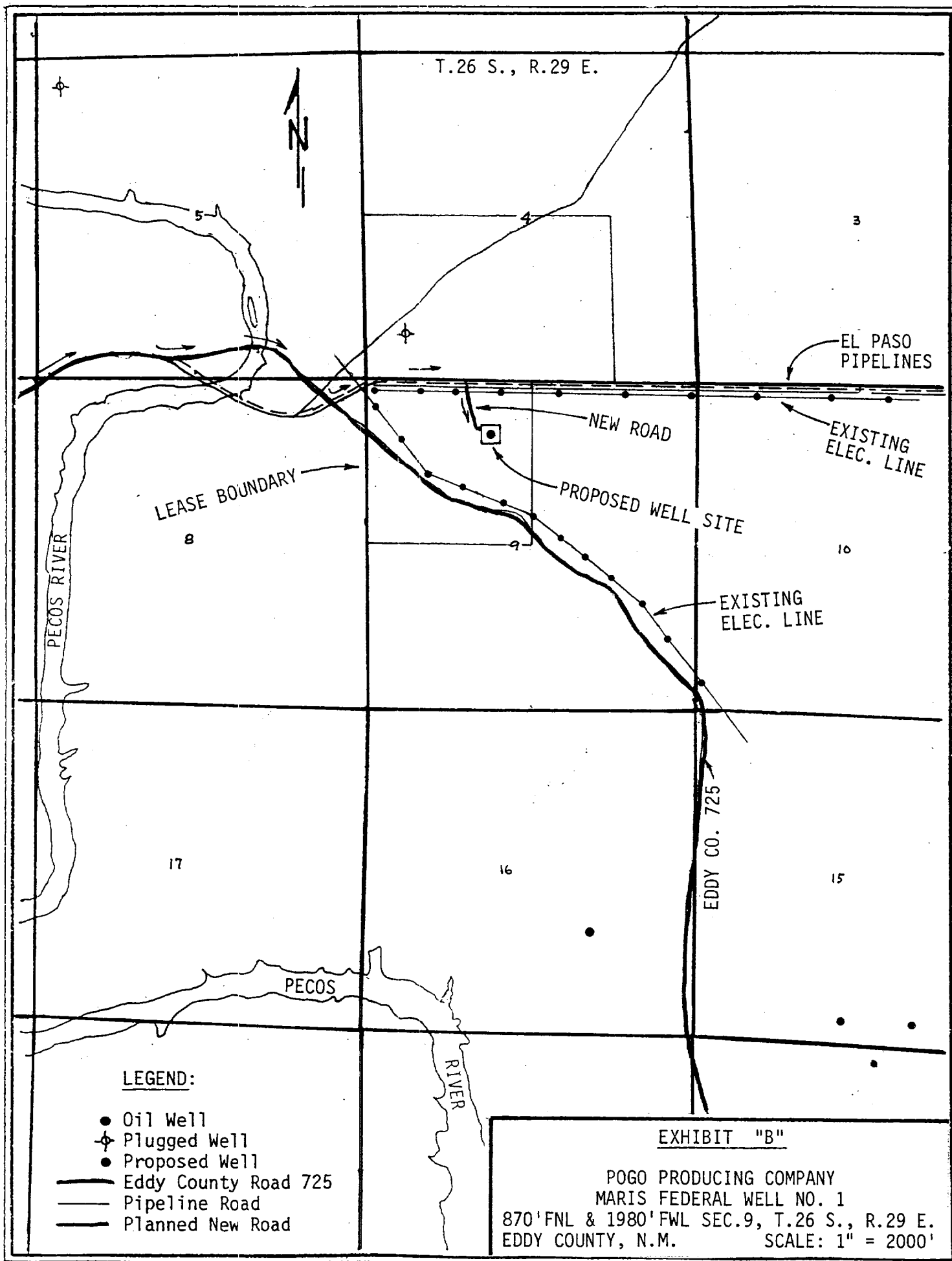


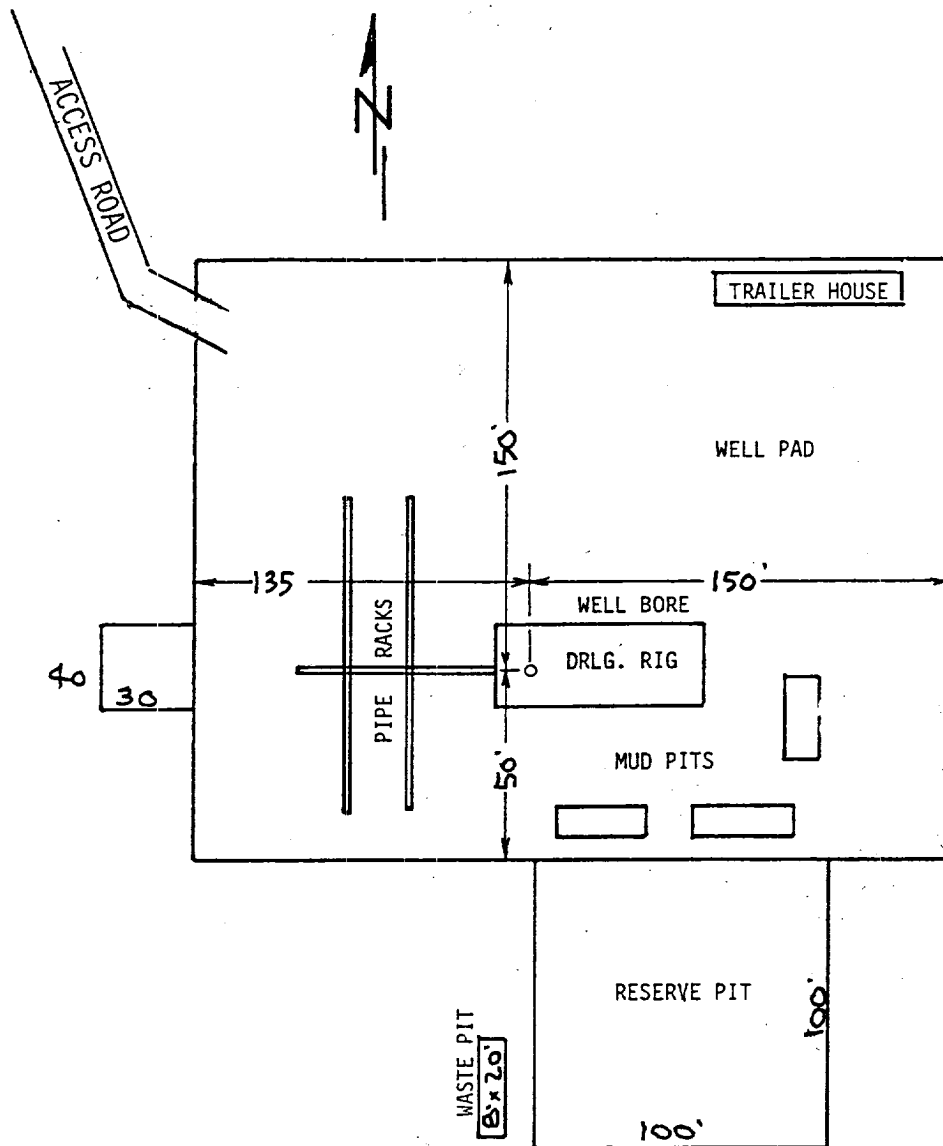
POINT "A"  
MILEPOST 3.8

PROPOSED WELL SITE

EXHIBIT "A"

POGO PRODUCING COMPANY  
MARIS FEDERAL WELL NO. 1  
870' FNL & 1980' FWL SEC. 9, T. 26 S., R. 29 E.  
EDDY COUNTY, N.M. SCALE: 1/2" = 1 MI.





# EXHIBIT "C"

POGO PRODUCING COMPANY  
 MARIS FEDERAL WELL NO. 1  
 DRILLING RIG LAYOUT  
 SCALE: None

