

**N.M. OIL CONS. COMMISSION**  
 UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

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

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK  
 DRILL  DEEPEN

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 POGO PRODUCING COMPANY

3. ADDRESS AND TELEPHONE NO.  
 P.O. BOX 10340, MIDLAND, TEXAS 79702 (915-682-6822)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1650' FNL AND 1980' FWL OF SECTION 26  
 At proposed prod. zone  
 Unit F

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 29 MILES WEST OF EUNICE, 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  
 320

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 330'

19. PROPOSED DEPTH  
 5100'

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3704' GR **Carlsbad Controlled Water Basin**

22. APPROX. DATE WORK WILL START\*  
 UPON APPROVAL

5. LEASE DESIGNATION AND SERIAL NO.  
 NM-86149

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
 RED TANK 26 FEDERAL #10

9. AP WELL NO.

10. FIELD AND POOL, OR WILDCAT  
 WEST RED TANK DELAWARE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SEC. 26, T. 22 S., R. 32 E.

12. COUNTY OR PARISH  
 LEA COUNTY

13. STATE  
 NEW MEXICO

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24# J-55	800'	SUFFICIENT TO CIRCULATE
7-7/8"	4-1/2"	11.6# J-55	5100'	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  
 HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

OPER. OGRID NO. 17891  
 PROPERTY NO. 9341  
 POOL CODE 51689  
 EFF. DATE 6/8/95  
 API NO. 3D-025-32982

**Approval Subject to  
 General Requirements and  
 Special Stipulations  
 Attached**

IN ABOVE SPACE DESCRIBE PROPOSED 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 Richard L. Wright TITLE Division Operations Mgr. DATE May 8, 1995  
 (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 Timothy P. O'Brien TITLE Acting AREA MANAGER DATE 6/6/95

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION

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

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

☐ AMENDED REPORT

DISTRICT IV  
PO BOX 2088, SANTA FE, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-32982	Pool Code 51689	Pool Name WEST RED TANK DELAWARE
Property Code 9341	Property Name RED TANK "26" FEDERAL	Well Number 10
OGRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 3704

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	26	22 S	32 E		1650	NORTH	1980	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40	Y		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Richard L. Wright</i> Signature</p> <p>Richard L. Wright Printed Name</p> <p>Division Operations Mgr. Title</p> <p>May 4, 1995 Date</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>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 belief.</p> <p>APRIL 21, 1995 Date Surveyed</p> <p>SJA</p> <p>Signature &amp; Seal of Professional Surveyor <i>Ronald J. Eidson</i> 4-25-95</p> <p>W.O. Num. 95-11-0644</p>
<p>Certificate No. JOHN W. WEST 676 RONALD J. EIDSON 3239 GARY EIDSON 12641</p>	

**RECEIVED**

JUN 11 1985

UCC TRANS  
OFFICE

SUPPLEMENTAL DRILLING DATA

POGO PRODUCING COMPANY

RED TANK 26 FEDERAL WELL NO.10

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Anhydrite	850'
Delaware Lime	4800'
Bell Canyon	4870'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Ramsey Sand	Oil
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4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
8-5/8"	0	800'	24#	J-55	STC
4-1/2"	0	5100'	11.6#	J-55	LTC

MINIMUM

DESIGN FACTORS: COLLAPSE 1.1 BURST 1.1 TENSION 1.2

8-5/8" casing to be cemented with 200 sacks of light cement followed by 100 sacks of premium cement with 2% CaCl. Cement to circulate.

4-1/2" production casing to be cemented with approximately 400 sacks of light cement with 10 percent salt followed by 100 sacks of premium cement with 1% CaCl. Cement to circulate.

If, during drilling operations, need for stage cementing of casing is indicated, staging tool(s) will be run and positioned to best suit hole conditions at time casing is run.

Cement volumes may be adjusted and cement may have lost circulation and/or other additives depending on hole conditions at the time casing is run.

5. PRESSURE CONTROL EQUIPMENT:

Blowout 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 800 feet: Fresh water base fluid with gel and paper sweeps for hole cleaning.  
Mud wgt 8.4 ppg - 8.6 ppg  
Viscosity 28 - 32 seconds per quart.

800 feet to T.D.: Brine water base fluid with salt gel and paper sweeps for hole cleaning.  
Mud wgt 10.0 ppg - 10.2 ppg  
Viscosity 28 - 32 seconds per quart.

7. AUXILIARY EQUIPMENT:

A mud logging trailer will be in use while drilling the last 300 feet of hole.

8. TESTING, LOGGING, AND CORING PROGRAM:

Drill stem tests will be made when well data 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:

No abnormal pressures or temperatures are anticipated.

Expected bottom hole pressure is about 2000 psi.

Expected bottom hole temperature is about 112 degrees Fahr.

No hydrogen sulfide gas is expected. The production stream of Pogo

Producing Company's wells in this area have been tested specifically for hydrogen sulfide gas and test results were negative. However, since it is possible that low-volume hydrogen sulfide gas may be present in permeable water zones of the Castile formation, drilling operations below the surface casing will be in accordance with the attached "HYDROGEN SULFIDE DRILLING OPERATIONS PLAN".

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.

RECEIVED

NOV 16 1965  
JOE HOBBS  
OFFICE

POGO PRODUCING COMPANY  
RED TANK 26 FEDERAL WELL NO.10

