

**New Mexico Oil Conservation Division, District 1**  
**1625 N. French Drive**

Form 3160-5  
(June 1990)

UNITED STATES **Hobbs, NM 88240**  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

5. Lease Designation and Serial No.

NM-~~58940~~ **81633**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**Red Tank 24 Federal #1**

9. API Well No.

**30-025-32326**

10. Field and Pool, or Exploratory Area

**Red Tank Delaware/Bone Sp**

11. County or Parish, State

**Lea County, NM**

*SUBMIT IN TRIPLICATE*

1. Type of Well

☒ Oil Well    ☐ Gas Well    ☐ Other

2. Name of Operator

**Pogo Producing Company**

3. Address and Telephone No.

**P. O. Box 10340, Midland, TX 79702-7340 (915)685-8100**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**860' FSL & 1980' FWL, Section 24, T22S, R32E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

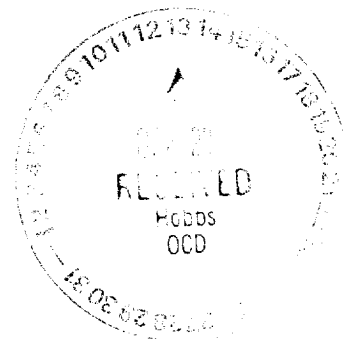
TYPE OF ACTION

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment     | <input type="checkbox"/> Change of Plans          |
| <input type="checkbox"/> Recompletion    | <input type="checkbox"/> New Construction         |
| <input type="checkbox"/> Plugging Back   | <input type="checkbox"/> Non-Routine Fracturing   |
| <input type="checkbox"/> Casing Repair   | <input type="checkbox"/> Water Shut-Off           |
| <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection  |
| <input type="checkbox"/> Other _____     | <input checked="" type="checkbox"/> Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See Attached



14. I hereby certify that the foregoing is true and correct

Signed

*David R. Glass*

Title **Sr. Operation Tech**

Date **08/30/02**

(This space for Federal or State office use)

Approved by

**(ORIG SGD.) DAVID R. GLASS**

Title

Date

Conditions of approval, if any

**SEP 12 2002**

**SEE ATTACHED FOR**

**CONDITIONS OF APPROVAL**

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

PETROLEUM ENGINEER

\*See Instruction on Reverse Side

GWW



## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Resource Area Headquarters

P. O. Box 1778

Carlsbad, New Mexico 88220

OPERATOR: Pogo Producing Company Lease No. NM-58940 81633WELL NO. & NAME Red Tank 24 Federal #1LOCATION: SE 1/4 SW 1/4, Sec. 24, T. 22 S., R. 32 E., Lea County, N.M.

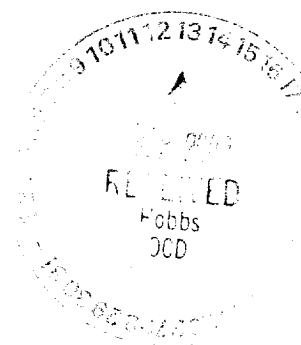
The check list below indicates the information needed before your Waste or Salt Water Disposal method can be approved:

Delaware/Bone Spring Name(s) of formation(s) producing water on the lease.68 bbls Amount of water produced from each formation in barrels per day.See Attached A water analysis of produced water from each zone shown in at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates.1 - 500 bbl tank How water is stored on the lease.pipelined How water is moved to disposal facility.

Pogo Producing Co. Operator's name, well name and location, by 1/4, section, township and range, of the disposal facility. If the disposal facility is an approved disposal system, the operator's name and the name of the disposal system should suffice.

Red Tank 28 Fed #3 SW 1/4 NE/4, Section 28 T22S, R32E, Lea Co.

Supervisory Petroleum Engineer Technician



**Endura Products Corp.**  
P.O. Box 3394 Midland, Texas 79706  
Phone (915) 684-4233 \* Fax (915) 684-4277

**WATER ANALYSIS**

Date: **3/22/1999** Endura Rep.: **Greg Archer**  
Sampling Point/Date: **Wellhead 3-19-99**  
Company: **POGO Producing Co.**  
Lease: **Red Tank 24 Federal**

Code: **W-15467**  
State: **New Mexico**  
County: **Lea**  
Well: **1**

**DISSOLVED SOLIDS**

<u>CATIONS</u>	mg/l	me/l
Sodium, Na+ (Calc.)	78,890	3,430
Total Hardness as Ca++	29,960	0
Calcium, Ca++	23,240	1,162
Magnesium, Mg++	4,098	342
Barium, Ba++	0	0
Iron (Total) Fe+++*	137	2

**ANIONS**

Chlorides, Cl-	175,000	4,930
Sulfate, SO4-	165	3
Carbonate, CO3-	0	0
Bicarbonates, HCO3-	464	8
Sulfide, S-*	0	0
Total Dissolved Solids (Calc.)	281,994	

**OTHER PROPERTIES**

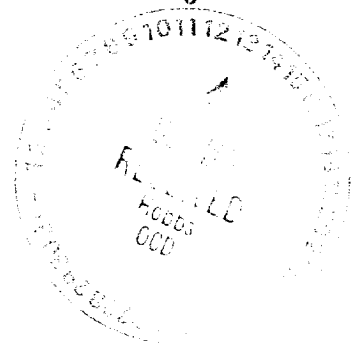
pH*	5.600
Specific Gravity, 60/60 F.	1.182
Turbidity	588

**SCALING INDICIES**

<u>TEMP, F.</u>	<u>CA CO3</u>	<u>CASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	1.6038	-0.2787	-0.6625	-29.5254
120	2.1942	-0.2914	-0.4947	-29.6519
160	3.0850	-0.3049	-0.3356	-29.8548

**PERFORATIONS**

7,330' - 7,342'	8,046' - 8,060'	8,550' - 8,560'	8,860 - 8,886
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# Nutro Products Corporation

P.O. Box 21187 Houston, Texas 77226  
Phone (713) 675-3421 \* Fax (713) 675-7646

## WATER ANALYSIS

Date 04/11/95 Nutro Rep TERRY SOLANSKY

Code W-1998

Sampling Point

State TEXAS

Company POGO PRODUCING

County EDDY N.M.

Field

Lease RT 24 FEDERAL

Well 1

## DISSOLVED SOLIDS

### CATIONS

	mg/l	me/l
Sodium, Na <sup>+</sup> (Calc.)	85,284	3,708
Total Hardness as Ca <sup>++</sup>	27,200	0
Calcium, Ca <sup>++</sup>	24,400	1,220
Magnesium, Mg <sup>++</sup>	1,707	142
Barium, Ba <sup>++</sup>	4	0
Iron (Total) Fe <sup>+++</sup>	30	2

### ANIONS

Chlorides, Cl <sup>-</sup>	180,000	5,070
Sulfate, SO <sub>4</sub> <sup>=</sup>	13	0
Carbonate, CO <sub>3</sub> <sup>=</sup>	0	0
Bicarbonate, HCO <sub>3</sub> <sup>-</sup>	122	2
Sulfide, S <sup>=</sup>	0	0
Total Dissolved Solids (Calc.)	291,560	

### OTHER PROPERTIES

pH*	5.200
Specific Gravity, 60°/60 F	1.190
TURBIDITY	115

Remarks SAMPLE TAKEN ON 04/06/95

## SCALING INDICIES

TEMP, F	CA CO <sub>3</sub>	CASO <sub>4</sub> *2H <sub>2</sub> O	CA SO <sub>4</sub>	BA SO <sub>4</sub>
80	0.6818	-1.3359	-1.7243	-0.9318
120	1.2784	-1.3490	-1.5570	-1.0561
160	2.1782	-1.3591	-1.3944	-1.2579