

Form 3160-5  
 (June 1990)

UNITED STATES  
 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

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NM-77060
2. Name of Operator Pogo Producing Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P. O. Box 10340, Midland, TX 79702-7340   (915)682-6822	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 760' FNL & 660' FEL, Section 34, T22S, R32E	8. Well Name and No. Red Tank 34 Federal #3
	9. API Well No. 30-025-31951
	10. Field and Pool, or Exploratory Area W. Red Tank Delaware
	11. County or Parish, State Lea County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report (SJS) <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other _____ <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <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.)\*

Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD is an approved disposal well per Administrative Order SWD-526 (Attached).

RECEIVED  
 APR 14 2 23 AM '94  
 BUREAU OF LAND MGMT.  
 HOBBS, NM.

RECEIVED  
 APR 15 12 24 PM '94  
 O&G AREA

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

Signed: [Signature] Title: Senior Operations Engineer Date: April 7, 1994

(This space for Federal or State office use)  
 Approved by: Orig. Signed by Shannon J. Shaw Title: Petroleum Engineer Date: 5/12/94  
 Conditions of approval, if any:

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.

RECEIVED

APR 20 1964

100-100000



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Resource Area Headquarters

P. O. Box 1778

Carlsbad, New Mexico 88220

April 7, 1994

OPERATOR: Pogo Producing Company Lease No. NM-77060

WELL NO. & NAME Red Tank 34 Federal #3

LOCATION: NE 1/4 NE 1/4, Sec. 34, T. 22 S., R. 32 E., Eddy County, N.M.  
Lea

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

<u>Brushy Canyon/Bone Spring</u>	Name(s) of formation(s) producing water on the lease.
<u>260 Total BBLs</u>	Amount of water produced from each formation in barrels per day.
<u>Attached</u>	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.
<u>500 BBL F.G. Tank</u>	How water is stored on the lease.
<u>6" Poly Line</u>	How water is moved to disposal facility.
<u>Pogo Producing Co.</u> <u>Red Tank 28 Fed. #3 SWD</u>	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.

Supervisory Petroleum Engineer Technician

RECEIVED

UCCROSS  
OFFICE



Petrolite Corporation  
5111 West Texas  
Artesia, NM 88210-2041

**TRETOLITE DIVISION**

(505) 746-3888  
Fax (505) 746-3880

Reply to:  
P.O. Box FF  
Artesia, NM  
88211-7331

**WATER ANALYSIS REPORT**

Company : POGO PRODUCING  
Address : MIDLAND, TX  
Lease : RT -34  
Well : 3  
Sample Pt. : WELLHEAD

Date : 4/1/94  
Date Sampled : 3/30/94  
Analysis No. : 672

ANALYSIS	mg/L	* meq/L
1. pH	6.3	
2. H2S	NEG	
3. Specific Gravity	1.160	
4. Total Dissolved Solids	249399.1	
5. Suspended Solids	NR	
6. Dissolved Oxygen	NR	
7. Dissolved CO2	NR	
8. Oil In Water	NR	
9. Phenolphthalein Alkalinity (CaCO3)		
10. Methyl Orange Alkalinity (CaCO3)		
11. Bicarbonate	HCO3 147.0	HCO3 3.4
12. Chloride	Cl 153360.0	Cl 4325.1
13. Sulfate	SO4 125.0	SO4 2.6
14. Calcium	Ca 13000.0	Ca 643.7
15. Magnesium	Mg 2121.7	Mg 174.6
16. Sodium (calculated)	Na 80645.4	Na 3507.8
17. Iron	Fe NR	
18. Barium	Ba NR	
19. Strontium	Sr NR	
20. Total Hardness (CaCO3)	41200.0	

**PROBABLE MINERAL COMPOSITION**

Concentration	Component	Concentration	Concentration	Concentration
672	*HCO3	147.0	2.4	195
175	*Mg	2121.7	2.5	177
3507.8	*Cl	153360.0	643.7	35718
		125.0		
		13000.0	174.5	8310
		2121.7		
		80645.4		
		NR		
		NR		
		NR		
		41200.0	3507.3	204999

Saturation Values Dist. Water 20 C  
CaCO3 13 mg/L  
CaSO4 \* 2H2O 2090 mg/L  
BaSO4 2.4 mg/L

REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
A. MILLER

RECEIVED

LET

OLD RECORDS  
OFFICE