

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION  
P.O. BOX 1980

PHOBBS, NEW MEXICO 88240

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

APR 19

BUREAU

3-02-24-194

6. If Indian, Allottee or Tribe Name

NOT KNOWN

7. If Unit or CA, Agreement Designation

8. Well Name and No.

East Livingston Ridge Unit

9. API Well No.

30-025-31729

10. Field and Pool, or Exploratory Area Undes

E. Livingston Ridge Delawa

11. County or Parish, State

Lea

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

☐ 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

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

660' FNL & 990' FEL, Section 18, 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

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☒ 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 water from the above well via 3" poly line into the Texaco Getty 24 #5 SWD located NE/4, NW/4, Section 24, T22S, R31E, Eddy County.

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

Signed

*Shannon J. Shaw*

Title Senior Operations Engineer

Date April 18, 1994

(This space for Federal or State office use)

Approved by Orig Signed by Shannon J. Shaw

Title Petroleum Engineer

Date 5/25/94

Conditions of approval, if any:



## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Resource Area Headquarters

P. O. Box 1778

Carlsbad, New Mexico 88220

April 18, 1994OPERATOR: Pogo Producing Company Lease No. NM-32411WELL NO. & NAME East Livingston Ridge Unit #1LOCATION: NE 1/4 NE 1/4, Sec. 18, 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:

<u>Brushy Canyon</u>	Name(s) of formation(s) producing water on the lease.
<u>50 BBLS</u>	Amount of water produced from each formation in barrels per day.
<u></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 FG Tank</u>	How water is stored on the lease.
<u>3" Poly Line</u>	How water is moved to disposal facility.
<u>Texaco Getty 24 #5 SW NE/4, NW/4, Sec. 24 T22S, R31E</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

REACTION CHEMICAL ENTERPRISES, INC.  
P.O. BOX 3868 ODESSA, TEXAS 79760-3868  
915/332-4324

W A T E R                      A N A L Y S I S

COMPANY:      POGO  
LEASE:        EAST LIVINGSTON RIDGE  
WELL:         # 1  
SAMPLE:       \*\*

DATE OF RUN:      3-28-94  
SAMPLE DATE:      \*\*  
RUN #  
3820

	Mg. /L.	Meq. /L.
TOTAL HARDNESS - CaCO <sub>3</sub>	125,000	
TOTAL ALKALINITY - CaCO <sub>3</sub>	-	
TOTAL DISSOLVED SOLIDS	318,704	
CALCIUM - Ca	41,200	2,060
MAGNESIUM - Mg	5,346	438
SODIUM - Na	72,128	3,136
BARIUM - Ba	5	
BICARBONATE - HCO <sub>3</sub>	24	0
CARBONATE - CO <sub>3</sub>	0	
SULFATE - SO <sub>4</sub>	0	0
CHLORIDE - Cl	200,000	5,634
CARBON DIOXIDE - CO <sub>2</sub>	528	
HYDROGEN SULFIDE - H <sub>2</sub> S	0	
TEMPERATURE	81.0	
pH	5.500	
SPECIFIC GRAVITY	1.220	
LBS/GAL	10.2	

STABILITY INDEX (Stiff-Davis)

SI=pH-pCa-pAlk-K

DEGREES F.	S. I.
77	-0.25
100	0.04
180	2.06

	CaSO <sub>4</sub>	Mg. /L.
SOLUBILITY	:	151,682
ACTUAL	:	0
SATURATION %	:	0

ANALYZED BY:

M. ROBESON