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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

RECEIVED

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) 682-6822

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

890' FNL & 1880' FWL, Section 10, T23S, R28E

5. Lease Designation and Serial No.

NM- 15433

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal 10 #2

9. API Well No.

30-015-26776

10. Field and Pool, or Exploratory Area

E. Loving Delaware

11. County or Parish, State

Eddy County, NM

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 produced water from the above well via 3" poly line into the NEL #4 SWD located SE/4, NE/4, Section 9, T23S, R28E, Eddy County. The NEL #4 SWD is an approved disposal well per Administrative Order SWD-518 (Attached).

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

Signed Shannon J Shaw

Title Senior Operations Engineer

Date April 7, 1994

(This space for Federal or State office use)

Approved by Shannon J Shaw

Title PETROLEUM ENGINEER

Date 5/3/94

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

IN REPLY REFER TO

3162

April 7, 1994

OPERATOR: Pogo Producing Company Lease No. NM-15433

WELL NO. & NAME Federal 10 #2

LOCATION: NE 1/4 NW 1/4, Sec. 10, T. 23 S., R. 28 E., Eddy 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>55 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>3" Poly Line</u>	How water is moved to disposal facility.
<u>Pogo Producing Co.</u> <u>NEL #4 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



Chemical Company

P. O. Box 1306 • Phone (505) 746-6611
Artesia, New Mexico 88210

WATER ANALYSIS REPORT

Company Pogo Producing Date 3-30-92
Field Carlbad AREA County Eddy State NM
Lease and Well No. Fed. 10#2 Prod. Formation _____
Source of Sample Well head
Sample of Prod. Water ☒ Inj. Water ☒ Other ☐
Date Collected 3/29/92 Analyst Fred Jones

WATER ANALYSIS PATTERN (NUMBER BESIDE ION SYMBOL INDICATES ml/l * SCALE UNIT)

Na ⁺ 20	15	10	5	0	5	10	15	20	Cl ⁻
Ca ⁺⁺									HCO ₃ ⁻
Mg ⁺⁺									SO ₄ ⁼
Fe ⁺⁺⁺									CO ₃ ⁼

Dissolved Solids

Constituent

MG/L (PPM)

EPM

Calcium 1510
Magnesium 625
Sodium _____
Iron NIL
Chloride 64.800
Bicarbonate 190
Carbonate NIL
Sulfate 1630

Sp. Gravity 1.022

Total Hardness 1590
Total Dissolved Solids 68.210
Hydrogen Sulfide NIL
Oxygen TRACE

Remarks: