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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

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-40655
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) 2080' FNL & 1750' FWL, Section 24, T23S, R31E	8. Well Name and No. Amax 24 Federal No. 6
	9. API Well No. 30-015-27423
	10. Field and Pool, or Exploratory Area Ingle Wells 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	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<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 3" poly line into the Proximity 31 Federal #4 SWD located NW/4, NE/4, Section 31, T22S, R32E, Lea County. The Proximity 31 Federal #4 SWD is an approved disposal well per Administrative Order SWD-543 (Attached).

RECEIVED

JUN 13 1995

OIL CON. DIV.
DIST. 2

RECEIVED
MAY 10 11 16 AM '95
OIL CON. DIV.
DIST. 2

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

Signed *Barrett Lind* Title Senior Operations Engineer Date May 9, 1995

(This space for Federal or State office use)

Approved by Shannon J. Shaw Title Permitting Engineer Date 6/9/95

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.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Resource Area Headquarters

P. O. Box 1778

Carlsbad, New Mexico 88220

May 9, 1995

OPERATOR: Pogo Producing Company Lease No. NM-40655

WELL NO. & NAME Amax 24 Federal No. 6

LOCATION: SE 1/4 NW 1/4, Sec. 24, T. 23 S., R. 31 E., Eddy County, N.M.

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

- Delaware Name(s) of formation(s) producing water on the lease.
- 60 Amount of water produced from each formation in barrels per day.
- 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.
- 500 BBL FG Tank How water is stored on the lease.
- 3" Poly Line How water is moved to disposal facility.
- Pogo Producing Company 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.
- Proximity 31 Fed. #4
- NW/4, NE/4, Sec. 31
- T22S, R32E
- Lea County, NM

Supervisory Petroleum Engineer Technician

Nutro Products Corporation

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

WATER ANALYSIS

Date 04/28/95 Nutro Rep TERRY SOLANSKY Code W-2115
Sampling Point WELL HEAD State TEXAS
Company POGO PRODUCING County EDDY N.M.
Field Lease AMAX 24 FEDERAL Well 6

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na ⁺ (Calc.)	85,721	3,727
Total Hardness as Ca ⁺⁺	19,040	0
Calcium, Ca ⁺⁺	13,200	660
Magnesium, Mg ⁺⁺	3,561	297
Barium, Ba ⁺⁺	0	0
Iron (Total) Fe ^{+++*}	63	3

ANIONS

Chlorides, Cl ⁻	166,000	4,676
Sulfate, SO ₄ ⁻	500	10
Carbonate, CO ₃ ⁻	0	0
Bicarbonate, HCO ₃ ⁻	73	1
Sulfide, S ⁻	0	0
Total Dissolved Solids (Calc.)	269,118	

OTHER PROPERTIES

pH [*]	5.800
Specific Gravity, 60°/60 F	1.172
TURBIDITY	48

Remarks SAMPLE TAKEN ON 04/24/95

SCALING INDICIES

<u>TEMP, F</u>	<u>CA CO₃</u>	<u>CASO₄*2H₂O</u>	<u>CA SO₄</u>	<u>BA SO₄</u>
80	0.4352	-0.1001	-0.4550	-29.4858
120	0.9715	-0.1126	-0.2871	-29.6268
160	1.7831	-0.1329	-0.1347	-29.8361