

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N. IL CONS COMMISSION
Drawer DD
Artesia, NM 88010
FORM APPROVED
Bureau No. 1004-0135
Expires: March 31, 1993

CLSF

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

535
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-70895
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) 330' FNL & 330' FWL, Section 10, T24S, R31E	8. Well Name and No. Sundance 10 Federal #1
	9. API Well No. 30-015-28122
	10. Field and Pool, or Exploratory Area Wildcat 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 checked="" 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 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 Producing Company request permission to use produced water to drill the above well after surface pipe has been set and cemented. Attached is a copy of a water analysis caught at our Sand Dunes 28 Federal #1 SWD which collects and injects waters produced from the Delaware formation. This analysis shows Pogo's produced waters are extremely high in chlorides and are basically 10# brine water thus will not adversely effect the salt section.

RECEIVED

MAY 26 1995

OIL CON. DIV.
DIST. 2

CARE AREA
APR 6 11 20 AM

RECEIVED

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

Signed *Shannon J. Sisay* Title Senior Operations Engineer Date April 26, 1995

(This space for Federal or State office use)

Approved by Orig. Signed by Shannon J. Sisay Title PETROLEUM ENGINEER Date 5/24/95

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.

*See Instruction on Reverse Side

Nutro Products Corporation

P.O. Box 21187 Houston, Texas 77228
Phone (713) 875-3421 • Fax (713) 875-7646

WATER ANALYSIS

Date 11/14/94 Nutro Rep TERRY SOLANSKY
Sampling Point S.W.D.
Company FOGO PRODUCING
Field

Code W-2832
State TEXAS
County EDDY N.M.

Lease SAND DUNES 28 FED. Well 1

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na ⁺ (Calc.)	84,686	3,682
Total Hardness as Ca ⁺⁺	26,000	0
Calcium, Ca ⁺⁺	22,000	1,100
Magnesium, Mg ⁺⁺	2,439	203
Barium, Ba ⁺⁺	8	0
Iron (Total) Fe ⁺⁺⁺	65	3

ANIONS

Chlorides, Cl ⁻	177,000	4,986
Sulfate, SO ₄ ⁻	71	1
Carbonate, CO ₃ ⁻	0	0
Bicarbonate, HCO ₃ ⁻	49	1
Sulfide, S ⁻	0	0
Total Dissolved Solids (Calc.)	286,318	

OTHER PROPERTIES

pH ^o	5.400
Specific Gravity, 60°/60 F	1.191
TURBIDITY	225

Remarks SAMPLE TAKEN ON 11/04/94

SCALING INDICIES

<u>TEMP, F</u>	<u>CA CO₃</u>	<u>CASO₄*2H₂O</u>	<u>CA SO₄</u>	<u>BA SO₄</u>
80	0.3720	-0.6630	-1.0447	0.1241
120	0.9566	-0.6759	-0.8771	-0.0135
160	1.8387	-0.6885	-0.7171	-0.2168