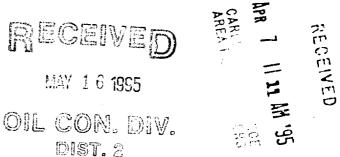
1 orm 3160-5

UNITED STATES

FORM 'APPROVED Budget Bureau No. 1004-0135

lune 1990)	DEPARTMENT OF	THE INTERIOR	Expires: March 31, 1993
	BUREAU OF LAND) MANAGEMENT	5. Lease Designation and Serial No.
			NM- 43744
	SUNDRY NOTICES AND	•	6. If Indian, Allottee or Tribe Name
Do not use this	form for proposals to drill or Use "APPLICATION FOR PER	to deepen or reentry to a different reservoir RMIT—" for such proposals	
	SUBMIT IN 1	TRIPLICATE	7. If Unit or CA, Agreement Designation
I. Type of Well Oil Gas			
Well We	II Unher		8. Well Name and No.
2. Name of Operator	landan Company		Sand Dunes 34 Federal #6
	lucing Company		30-015-27499
3 Address and Telephon		7700 7040	10. Field and Pool, or Exploratory Area
	(10340, Midland, TX 79		Ingle Wells Delaware
4. Location of Well (Foo	stage, Sec., T., R., M., or Survey Description	· /	11. County or Parish, State
1.CEQL EN	9 22101 EEL Continu	24 T22C D21E	Eddy County, NM
1920, ENI	& 2310' FEL, Section	34, 1235, K31E	Eddy Councy, Min
12. CHECH	C APPROPRIATE BOX(s) TO	INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE O	F SUBMISSION	TYPE OF ACTION	N
Notic	e of Intent	Abandonment	Change of Plans
		Recompletion	New Construction
Subse	quent Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
Final	Abandonment Notice	Altering Casing	Conversion to Injection
		Other	Dispose Water
			(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
		ent details, and give pertinent dates, including estimated date of start	ing any proposed work. If well is directionally drilled,
give subsurface l	ocations and measured and true vertical depti	ns for all markers and zones pertinent to this work.)*	
Dogo rocr	octfully request permi	ssion to dispose of off-lease pro	duand water from
		into the Calmon #5 SWD located S	
	Administrative Order S	ounty. The Calmon #5 SWD is an ap	oproved disposal
we'll per	Administrative order 3	wu-bio (Attached).	



14 I hereby certify that the foregoing is true and correct Signed	Tille _	Senior Operations Engineer	Date _	April 5, 1995
(This space for FCORTG. SED.) JOE G. LARA Approved by Conditions of approval. if any: See offer hee	Jide _	PETROLEUM ENGINEER	Date _	5/12/95

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

Carisbed Resource Area Headquarters P. O. Box 1778 Carisbed, New Mexico 88220

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Supervisory Petroleum Engineer Technician

Nutro Products Corporation P.O. Box 21187 Houston, Texas 77225 Phone (713) 675-3421 * Fex (713) 675-7646

WATER ANALYSIS

Date 03/29/95 Nutro Rep TERRY SOLANS	NSKY	SOLA	Z S	TERRY	Rep	Nutro	03/29/95	Date
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Code W-1830

Sampling Point WELL HEAD

State **TEXAS**

Company POGO PRODUCING

County EDDY N.M.

Field

Lease SAND DUNES 34 FED. Well 6

DISSOLVED SOLIDS

CATIONS	mg/1	me/1
Sodium, Na ⁺ (Calc.)	87,768	3,816
Total Hardness as Ca**	19,440	0
Calcium, Ca ⁺⁺	15,200	760
Magnesium, Mg**	2,585	215
Barium, Ba ⁺⁺	2	0
Iron (Total) Fe****	58	. 3
ANIONS		
Chlorides, COl	170,000	4,789
Sulfate, SO4	125	3
Carbonate, CO3"	0	0
Bicarbonate, HCO ₃ -	146	2
Sulfide, S ^{**}	0	0
Total Dissolved Solids (Calc.)	275,884	
OTHER PROPERTIES		
pH*	5.200	
Specific Gravity, 60°/60 F	1.180	
TURBIDITY	430	

Remarks SAMPLE TAKEN ON 03/23/95

SCALING INDICIES

TEMP, F	CA CO ₃	CASO ₄ *2H ₂ O	CA SO4	BA SO4
80	0.2655	-0.6199	-0.9815	-0.2159
120	0.8130	-0.6335	-0.8147	-0.3534
160	1.6409	-0.6517	-0.6603	-0.5613

BUREAU OF LAND MANAGEMENT CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

- 1. This agency be notified of any change in your method or location of disposal.
- 2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
- This agency shall be notified of any spill or discharge as required by NTL-3A.
- 4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
- All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
- Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
- 7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.