Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

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
☒ 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)685-8100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL & 1980' FWL, Section 18, T24S, R32E

5. Lease Designation and Serial No.
NM-66925

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Diaga 18 Federal #1

9. API Well No.
30-025-33626

10. Field and Pool, or Exploratory Area
E. Cotton Draw Bone Spring

11. County or Parish, State
Lea County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
	☐ Recompletion	☐ New Construction
☐ Subsequent Report	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Request water disposal approval	☐ 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 pertinet 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 markders and zones pertinent to this work.)*

Pogo Producing Company request permission to dispose of produced water on the above captioned well.

See Attached

SUBJECT TO
LIKE APPROVAL
BY STATE

APPROVED
APR 25 2002
GARY GOURLEY

14. I hereby certify that the foregoing is true and correct
Signed Cathy Lambert Title Sr. Operation Tech Date 04/11/02

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
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

IN REPLY REFER TO
3162

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

OPERATOR: Pogc Producing Company Lease No. NMNM66925

WELL NO. & NAME Diaga 18 Federal #1

LOCATION: NE ¼ SW ¼, Sec. 18, T. 24 S., R. 32 E., ~~Eddy~~ LEA 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.
130 bbls	Amount of water produced from each formation in barrels per day.
Attached	A water analysis of produced water from each zone showin at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates.
500 bbl tank	How water is stored on the lease.
Trucked	How water is moved to disposal facility.
Pogc Producing Co. Calmon #5 SWD SW/4, NE/4 Section 35, T23S,R31E Eddy County, NM	Operator's name, well name and location, by ¼¼, 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

Endura Products Corporation

P.O. Box 3394, Midland, Texas 79702

Phone (915) 684-4233 Fax (915) 684-4277

WATER ANALYSIS

Date	**04/04/02**	Endura Rep **Greg Archer**	Code **35390**
Sampling Point/Date	**Wellhead 04/03/02**		State **New Mexico**
Company	**Pogo Producing Co.**		County **Lea**
Formation		Lease **DIAGA 18 FEDERAL**	Well **#1**

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na+ (Calc.)	**102,948**	**4,476**
Total Hardness as Ca++	**16,400**	**0**
Calcium Ca++	**15,800**	**790**
Magnesium, Mg++	**366**	**30**
Barium, Ba++	**0**	**0**
Iron (Total) Fe+++*	**36**	**2**
ANIONS		
Chlorides, Cl-	**188,000**	**5,296**
Sulfate, SO4-	**25**	**1**
Carbonate, CO3-	**0**	**0**
Bicarbonates, HCO3-	**48**	**1**
Sulfide, S-*	**0**	**0**
Total Dissolved Solid	**307,223**	

OTHER PROPERTIES

pH*	**5.923**
Specific Gravity,60/60 F.	**1.194**
Turbidity	**70**

SCALING INDICIES

TEMP, F	CA CO3	CASO4*2H2O	CA SO4	BA SO4
80	**0.7783**	**-1.2199**	**-1.6094**	**-29.5145**
120	**1.3703**	**-1.2323**	**-1.4414**	**-29.6383**
160	**2.2633**	**-1.2406**	**-1.2770**	**-29.8398**

PERFORATIONS