

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

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

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

660' FNL & 1980' FEL, Section 13, T25S, R29E

5. Lease Designation and Serial No.

NM-15303

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bradley 13 Federal #4

9. API Well No.

30-015-31704

10. Field and Pool, or Exploratory Area

Corral Canyon, 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

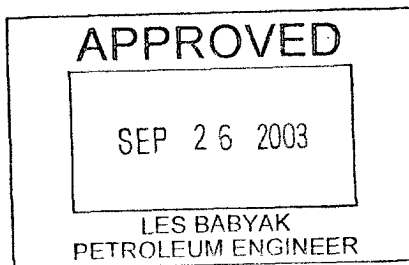
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☒ Dispose Water

(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.)*

SEE ATTACHED.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS ATTACHED



Accepted for record - NMOCD

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

Signed

Cathy Wright

Title Sr. Operation Tech

Date 09/19/03

(This space for Federal or State office use)

Approved by

Title

Date

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

OPERATOR: Pogo Producing Company Lease No. NM-15303

WELL NO. & NAME Bradley 13 Federal #4

LOCATION: NW 1 NE 1, Sec. 13, T. 25 S., R. 29 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>Delaware</u>	Name(s) of formation(s) producing water on the lease.
<u>118</u>	Amount of water produced from each formation in barrels per day.
<u>See Attached</u>	A water analysis of produced water from each zone shown at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates.
<u>1-500 bbl tank</u>	How water is stored on the lease.
<u>Trucked</u>	How water is moved to disposal facility.
<u>CRW disposal</u>	Operator's name, well name and location, by <u>11</u> , 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

Accepted for record - NMOCD

Endura Products Corporation

P.O. Box 3394, Midland, Texas 79702
Phone (915) 684-4233 Fax (915) 684-4277

WATER ANALYSIS

Date	02/25/02	Endura Rep	Greg Archer	Code	34514
Sampling Point/Date	Wellhead	02/25/02		State	New Mexico
Company	Pogo Producing Co.			County	Eddy
Formation		Lease	BRADLEY 13 FEDERAL	Well	#4

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na ⁺ (Calc.)	85,767	3,729
Total Hardness as Ca ⁺⁺	21,200	0
Calcium Ca ⁺⁺	17,480	874
Magnesium, Mg ⁺⁺	2,268	189
Barium, Ba ⁺⁺	0	0
Iron (Total) Fe ^{+++*}	32	2

ANIONS

Chlorides, Cl ⁻	170,000	4,789
Sulfate, SO ₄ ⁻	175	4
Carbonate, CO ₃ ⁻	0	0
Bicarbonates, HCO ₃ ⁻	73	1
Sulfide, S ^{-*}	0	0
Total Dissolved Solid	275,795	

OTHER PROPERTIES

pH*	5.229
Specific Gravity, 60/60 F.	1.180
Turbidity	355

SCALING INDICIES

<u>TEMP. F</u>	<u>CA CO₃</u>	<u>CASO₄*2H₂O</u>	<u>CA SO₄</u>	<u>BA SO₄</u>
80	0.0761	-0.4048	-0.7685	-29.4921
120	0.6278	-0.4176	-0.6009	-29.6286
160	1.4620	-0.4348	-0.4454	-29.8359

PERFORATIONS

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