

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

P.O. BOX 1111  
TOMB, NEW MEXICO 87701

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

Enron Oil & Gas Company

3. Address and Telephone No

P. O. Box 2267, Midland, Texas 79702

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

660' FNL & 660' FWL  
Sec 13, T25S, R33E

5. Lease Designation and Serial No.

NM 19623

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Vaca 13 Federal #4

9. API Well No.

30 025 32130

10. Field and Pool, or Exploratory Area

Red Hills 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

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Disposal method of  
produced water.

- ☐ 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.

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

Signed Betty Gildon Betty Gildon Title Regulatory Analyst

Date 11/9/94

(This space for Federal or State office use)

(ORIG. SGD.) JOE G. LARA

Title PETROLEUM ENGINEER

Date 12/2/94

Approved by  
Conditions of approval, if any: See attached.

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

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Vaca 13 Federal #4

1. Name of formation(s) producing water on the lease:

Bone Spring

2. Amount of water produced from all formations in bbls/day:

The well averages 71 barrels of water/day

3. How water is stored on lease:

210 barrel fiber glass tank

4. How water is moved to the disposal facility:

B&E Water Haulers

5. Primary disposal facility:

Enron Oil & Gas Company's Vaca Ridge 30 Federal #1 SWD-549, located  
1980' FSL & 1980' FWL (Unit K) of Section 30, T24S, R34E. Lea County.

6. Secondary disposal facility:

Bettis, Boyle & Stovall's Littlefield Federal No. 1 SWD R-485, located  
660' FNL & 1980' FEL (Unit B) of Section 11, T24S, R31E. Eddy County.

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## Laboratory Services, Inc.

1331 Tasker Drive  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

## WATER ANALYSIS

COMPANY Enron Oil & Gas  
SAMPLE Vaca 13 Fed. #4  
SAMPLED BY Ray Ables-Pro Well  
DATE TAKEN 11-7-94 7:00 AM  
REMARKS 1184 BBL. recovered.

Barium as Ba	5.00	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	484	
pH at Lab	7.17	
Specific Gravity @ 60° F	1.062	
Magnesium as Mg	6,554	
Total Hardness as CaCO <sub>3</sub>	11,300	
Chlorides as Cl	52,950	
Sulfate as SO <sub>4</sub>	725	
Iron as Fe	60.75	
Potassium	18.38	
Hydrogen Sulfide	0.00	
Resistivity Ohms	0.1350	23.7° C
Total Dissolved Solids	77,250	
Calcium as CA	4,746	
Nitrate	11.00	

Results reported as Parts per Million unless stated

Langelier Saturation Index +1.51

Analysis by Rolland Perry

Date: 11-07-94

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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.
3. 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.
5. 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.
6. 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.

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