

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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)

510' FSL & 1980' FWL  
Sec 6, T25S, R34E

5. Lease Designation and Serial No.

NM 18640-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Half 6 Federal #2

9. API Well No.

30 025 32611

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

RECEIVED  
NOV 8 11 19 AM '94  
OIL CONSERVATION  
AREA

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

Signed Patty Gildon Patty Gildon

Title Regulatory Analyst

Date 11/7/94

(This space for Federal or State office use)

Approved by (ORIG. SGD.) JOE G. LARA

Title PETROLEUM ENGINEER

Date 12/1/94

Conditions of approval, if any: See attached.

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NOV 15 1994

OLD HOBBS  
OFFICE

HALF 6 FEDERAL No. 2

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 106 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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CCD MAIL  
OFFICE

## Laboratory Services, Inc.

 1331 Tasker Drive  
 Hobbs, New Mexico 88240

Telephone: (505) 397-3713

## WATER ANALYSIS

COMPANY: Enron Oil &amp; Gas Company

SAMPLE: Half 6 Fed. #2

SAMPLED BY: Ray Gallagher-Pro Well

DATE TAKEN: 10/29/94 7:30 PM

REMARKS: Sample Taken @ Separator  
1680 Bbl Recovered.

Barium as Ba	50.00
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	852
pH at Lab	7.29
Specific Gravity @ 60° F	1.042
Magnesium as Mg	5.046
Total Hardness as CaCO <sub>3</sub>	8,700
Chlorides as Cl	37,418
Sulfate as SO <sub>4</sub>	975
Iron as Fe	50.50
Potassium	56.25
Hydrogen Sulfide	0.00
Resistivity Ohms	0.1850
Total Dissolved Solids	53,000
Calcium as CA	3,654
Nitrate	121.00

22.9° C

Results reported as Parts per Million unless stated

Langelier Saturation Index +1.74

Analysis by Vickie Walker

Date: 11-01-94

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C C D HUBBS  
OFFICE

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.