

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)
1980' FNL & 1780' FEL
Sec 7, T25S, R34E

5. Lease Designation and Serial No.
NM 14497-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Diamond 7 Federal #2

9. API Well No.
30 025 32246

10. Field and Pool, or Exploratory Area
Red Hills Bone Spring

11. County or Parish, State
Lea

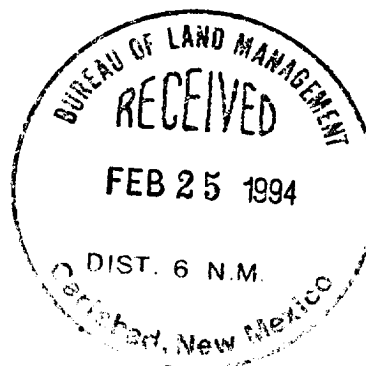
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>New Disposal Method</u> for produced water
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completions 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 Title Regulatory Analyst Date 2/22/94

(This space for Federal or State office use)

Approved by Orig. Signed by Adam Salameh Title Petroleum Engineer Date 3/10/94

Conditions of approval, if any:

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 ~~NEPA~~ 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, then 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.

The following information is to show changes in Enron Oil & Gas Company's method of disposal of produced water. Onshore Oil & Gas Order #7.

Diamond 7 Federal #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 23 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

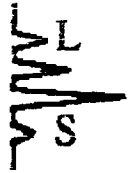
5. Primary disposal facility:

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.

6. Secondary disposal facility:

Ralph Williamson's Conoco Federal No. 2 SWD R-3638, located in Unit B of Section 15, T26S, R33E. Lea County.

A copy of permits for both disposal facilities is enclosed.



Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

WATER ANALYSIS

COMPANY	Enron Oil & Gas	
SAMPLE	Diamond 7 Fed. #2	
SAMPLED BY	Pro Well	
DATE TAKEN	12-21-93	
REMARKS		
Barium as Ba	0.00	
Carbonate alkalinity PPM	156.00	
Bicarbonate alkalinity PPM	680.00	
pH at Lab	8.57	
Specific Gravity @ 60° F	1.050	
Magnesium as Mg	3,306	
Total Hardness as CaCO ₃	5,700	
Chlorides as Cl	32,829	
Sulfate as SO ₄	700.00	
Iron as Fe	9.75	
Potassium	62.50	
Hydrogen Sulfide	0.00	
Resistivity Ohms	0.2050	22.7° C
Total Dissolved Solids	50,500	
Carbonate as CO ₃ Gm/L	0.54	
Calcium as Ca	2,394	
Nitrate	22.00	

Results reported as Parts per Million unless stated

Langelier Saturation Index +2.63

Analysis by Rolland Perry
Date 12-21-93