

New Mexico Oil Conservation Div. 1615 N. French Drive Hobbs, NM 88240

Form 3160-5  
(August 1999)  
(1 original, 5 copies)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135

Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

|  |   |  |
|--|---|--|
| 1. Type of well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |   | 5 Lease Serial No.<br>NM-19265 <i>UM 19625</i>               |
| 2. Name of Operator<br>EOG Resources, Inc.   |   | 6 If Indian, Allottee or Tribe Name                          |
| 3a. Address<br>P.O. Box 2267, Midland, Tx. 79702   | 3b. Phone No. (include area code)<br>915/686-3714 | 7 If Unit or CA/Agreement, Name and/or No.                   |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br><br>1830' FSL & 660' FEL Section 7, T-25-S, R-34-E     |   | 8 Well Name and No.<br>Red Hills "7" - Federal #2            |
|  |   | 9 API Well No.<br>30-025-32814                               |
|  |   | 10 Field and Pool, or Exploratory<br>Red Hills (Bone Spring) |
|  |   | 11 County or Parish, State<br>Lea County, NM                 |

DICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                | TYPE OF ACTION                                     |
|---|--|
| <input type="checkbox"/> Notice of Intent         | <input type="checkbox"/> Acidize                   |
| <input type="checkbox"/> Subsequent Report        | <input type="checkbox"/> Alter Casing              |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair             |
|   | <input type="checkbox"/> Change Plans              |
|   | <input type="checkbox"/> Convert to Injection      |
|   | <input type="checkbox"/> Deepen                    |
|   | <input type="checkbox"/> Fracture Treat            |
|   | <input type="checkbox"/> New Construction          |
|   | <input type="checkbox"/> Plug and Abandon          |
|   | <input type="checkbox"/> Plug Back                 |
|   | <input type="checkbox"/> Production (Start/Resume) |
|   | <input type="checkbox"/> Reclamation               |
|   | <input type="checkbox"/> Recomplete                |
|   | <input type="checkbox"/> Temporarily Abandon       |
|   | <input checked="" type="checkbox"/> Water Disposal |
|   | <input type="checkbox"/> Water Shut-Off            |
|   | <input type="checkbox"/> Well Integrity            |
|   | <input type="checkbox"/> Other _____               |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EOG Resources, Inc. requests to dispose of produced water from subject well in its Vaca '30' Federal No. 1 well SWD Facility located in Section 30, T-24-S, R-34-E, Lea County, NM. EOG will transport produced water via poly line to holding tank at SWD well. Estimated rate of disposal is 2 BWPD.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

RECEIVED  
2000 JUL -7 P 2:45

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

|   |                |
|---|----------------|
| Name (Printed/Typed)<br><i>MIKE FRANCIS</i> | Title<br>Agent |
| Signature<br><i>Mike Francis</i>            | Date<br>7/6/00 |

EDERAL OR STATE OFFICE USE

Approved by: (ORIG. SGD.) LES BABYAK  
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct thereon.

PETROLEUM ENGINEER Date AUG 11 2000  
Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212. make 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.

MAY 25 2000 09:46 FR ADMIN-PROD

## Water Production & disposal Information

In order to process your disposal request, the following information must be completed:

1. Name of formations producing water on the lease. Bone Springs

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2. Amount of water produced from all formations in barrels per day. 2 Bwpd

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3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates. ( one sample will suffice if the water is commingled )
4. How water is stored on the lease. 210 BBL open Top Fiberglass
5. How water is moved to the disposal facility. Transfer Pump - Pipeline
6. Identify the Disposal Facility by :
  - A. Facility operators name. EOG Resources
  - B. Name of facility or well name & number. VACA 30 Fed #1 SWD
  - C. Type of facility or well (NDW)(NIW) etc. SWD well
  - D. Location by 1/4 1/4 <sup>1910 FSL</sup> ~~1970 FWL~~ section 30 township 24S range 34E
7. Attach a copy of the State issued permit for the disposal Facility.

Submit to this office, 414 West Taylor, Hobbs, NM 88240, the above required information on a Sundry Notice 3160-5. Submit 1 original and 5 copies, within the required time frame. (This form may be used as an attachment to the Sundry Notice.) Call me at 505-393-3612 if you need to further discuss this matter.

May-26-00 04:08P Martin Water Labs

915 563 1 0

P.02

**DRAFT**

To: Mr. Dirk Ellyson

Laboratory No.  
Sample Received 5-26-00  
Results Reported  
Red Hills 7 Fed. #2

COMPANY EOG Resources, Inc.

Lease:

FIELD

Red Hills

SEC

BLK SURVEY

County:

Lea, NM

No. 1 Produced water - taken from Red Hills 7 Fed. #2.

No. 2

No. 3

No. 4

REMARKS:

Bone Springs

Specific Gravity @ 60°F. 1.0708

pH When Sampled

pH When Received 6.26

Bicarbonate, as HCO3 195

Supersaturation, as CaCO3

Undersaturation, as CaCO3

Total Hardness, as CaCO3 10,500

Calcium, as Ca 3,840

Magnesium, as Mg 219

Sodium and/or Potassium 36,254

Sulfate, as SO4 1,016

Chloride, as Cl 62,480

Iron, as Fe 138

Barium, as Ba

Turbidity

Color, as Pt

Total Solids, Calc. 104,005

Temperature, °F.

Carbon Dioxide, Calc.

Dissolved Oxygen

Hydrogen Sulfide 0.0

Resistivity, ohms/m @ 77°F. 0.092

Suspended Oil

Filtrable Solids, mg/l

Volume Filtered, ml

Results Reported As Milligrams Per Liter

Additional Determinations & Remarks

In comparing the above with our Bone Springs records in this field, we find this water has slightly higher levels of sodium, sulfate, and chloride. However, the basic characteristics are those we would expect from a natural Bone Springs.

MARTIN WATER LABS, INC.