

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.

5. Lease Serial No.
N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

6. Federal Allotment or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side

7. If Unit or CA/Agreement, Name and/or No

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.

Vaca Ridge 4 Federal Com #1

2. Name of Operator

EOG Resources Inc.

9. API Well No.

30-025-28491

3a. Address

P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)

915 686 3689

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

660 FNL & 1980 FWL
Sec 4, T-25-S, R-34-E

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Lea NM

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

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☒ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ 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 recomple 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 recompletion 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 final site is ready for final inspection.)

1. Water is produced from the Morrow formation.

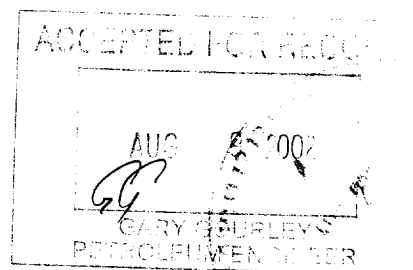
2. The wells make approximately 2 bbls per day.

3. Water analysis is attached.

4. Water is stored in a 210 bbl fiberglass tank.

5. Water is transported to disposal by truck.

6. Water is disposed of at the Vaca Ridge 30 SWD well located 1980' FSL & 1980' FWL, Unit K, Sec 30, T-24-S, R-34-E, Lea County.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Reg Analyst

Date 08/05/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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 operations thereon.

Office

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

In order to process your disposal request, the following information must be
Completed: **Vaca Ridge 4-1**

8. Name of formations producing water on the lease. Morrow
9. Amount of water produced from all formations in barrels per day. 2 BPD
10. Attached 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)
11. How water is stored on the lease. 210 BBL Fiberglass Tank
12. How water is moved is moved to the disposal facility. Trucked
13. Identify the Disposal Facility by:
- A. Facility operators name EOG Resources, Inc.
- B. Name of facility or well name & number. Vaca Ridge 30 SWD
- C. Type of facility or well (WDW) (WIW) etc. WDW
- D. Location by 1 ¼ 1 ¼ Section 30 Township 24S Range 34E
1980' FSL & 1980' FWL in Unit K
14. 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.

To: Mr. Dirk Ellyson

DRAFT

Laboratory No.

Sample Received 7-25-02

Results Reported

Vaca Ridge #4-1

COMPANY EOG Resources, Inc.

Lease:

FIELD

Pitchfork Ranch

SEC

NLK

SURVEY

County:

Lea, NM

No. 1 Recovered water - taken from Vaca Ridge #4-1. 7-25-02

No. 2

No. 3

No. 4

REMARKS:

Specific Gravity @ 60°F. 1.1748

pH When Sampled

pH When Received 4.17

Bicarbonate, as HCO₃ 0Supersaturation, as CaCO₃Undersaturation, as CaCO₃Total Hardness, as CaCO₃ 69,000

Calcium, as Ca 21,600

Magnesium, as Mg 3,645

Sodium and/or Potassium 69,736

Sulfate, as SO₄ 343

Chloride, as Cl 156,200

Iron, as Fe 66.7

Barium, as Ba

Turbidity

Color, as Pt

Total Solids, Calc. 251,524

Temperature, °F.

Carbon Dioxide, Calc.

Dissolved Oxygen

Hydrogen Sulfide 0.0

Resistivity, ohms/m @ 77°F. 0.051

Suspended Oil

Filtrable Solids, mg/l

Volume Filtered, ml

Results Reported As Milligrams Per Liter**Additional Determinations & Remarks**

It is apparent from the pH herein that this recovery contains a significant amount of free acid, but we do see the possibility it could be predominantly Delaware. We do note that the levels of the salts are higher than we encountered on the sample taken 6-11-01 and reported on laboratory #601-59.

FAX: Hal Crabb, Midland

MARTIN WATER LABS., INC.