

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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

FORM APPROVED

OMB NO. 1004-0135

Expires: November 30, 2000

5	Lease Serial No. NM94850
6	If Indian, Allottee or Tribe Name
7	If Unit or CA/Agreement, Name and/or No.
8	Well Name and No. Diamondtail "3" Fed No. 1
9	API Well No. 30-025-35014
10	Field and Pool, or Exploratory Triste Draw (Delaware)
11	County or Parish, State Lea, NM

1. Type of well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EOG Resources, Inc.

3a. Address

P.O. Box 2267, Midland, TX 79702

3b. Phone No. (include area code)

(915)686-3714

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

660' FNL & 1,980' FEL
Sec 3-T24S-R32E

DICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ 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 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 permission to dispose water from subject well into its Triste Draw "36" State No. 1 well. EOG will transport produced water in a poly line to holiday tank at SWD well. Estimated rate of disposal from this well and lease is 300 bbls per day.

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

Mike Francis

Signature

Mike Francis

Title Agent

Date 9/3/00

FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date 10/30/00

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.

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. Triste Draw (Delaware)
2. Amount of water produced from all formation in barrels per day. 300
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. Frac Tank
5. How water is moved to the disposal facility. Transfer pump – Fasline
6. Identify the Disposal Facility by:
 - A. Facility operators name. EOG Resources, Inc.
 - B. Name of facility or well name & number. Triste Draw "36" State No. 1 SWD
 - C. Type of facility or well (WDW) (WIW) etc. WDW
 - D. Location by $\frac{1}{4}$ by $\frac{1}{4}$ SW/4 NW/4 section 36 township 23S range 32E
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.

To: Mr. Dirk Ellyson

Laboratory No.

Sample Received 8-17-00

Results Reported

As listed

COMPANY EOG Resources, Inc.

Lease:

FIELD

SEC

BLK

SURVEY

County:

Lea, NM

No. 1 Produced water - taken from Diamondtail 3 Fed. #1. 8-17-00

No. 2 Produced water - taken from Diamond 34 #1 Fed. 8-17-00

No. 3

No. 4

REMARKS:

Specific Gravity @ 60°F. 1.1681 1.1740

pH When Sampled

pH When Received 6.60 7.40

Bicarbonate, as HC03 68 205

Supersaturation, as CaC03

Undersaturation, as CaC03

Total Hardness, as CaC03 60,500 69,000

Calcium, as Ca 20,000 22,600

Magnesium, as Mg 2,552 3,038

Sodium and/or Potassium 77,368 82,678

Sulfate, as SO4 370 282

Chloride, as Cl 161,880 176,080

Iron, as Fe 102 490

Barium, as Ba

Turbidity

Color, as Pt

Total Solids, Calc. 262,238 284,883

Temperature, °F.

Carbon Dioxide, Calc.

Dissolved Oxygen

Hydrogen Sulfide 0.0 0.0

Resistivity, ohms/m @ 77°F. 0.050 0.047

Suspended Oil

Filtrable Solids, mg/l

Volume Filtered, ml

Results Reported As Milligrams Per LiterAdditional Determinations & Remarks

The above results show a significant change in the water from Diamondtail 3 Fed. #1 as compared to the water recovered on 6-19-00 and reported on laboratory #60094. The water now correlates well with our nearest records of Delaware in the Paduca field to the south and the Cruz field to the northeast. The water from Diamond 34 #1 Fed. is very similar to that being recovered from Diamondtail 3 Fed. #1 and obviously is also similar to Delaware.

cc: Hal Crubb, Midland

MARTIN WATER LABS., INC.

NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

Artesia

WELL FILE

ADMINISTRATIVE ORDER SWD-608

**APPLICATION OF MERIDIAN OIL COMPANY FOR SALT WATER DISPOSAL,
LEA COUNTY, NEW MEXICO.****ADMINISTRATIVE ORDER**
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Meridian Oil Company made application to the New Mexico Oil Conservation Division on October 10, 1995, for permission to complete for salt water disposal its Triste Draw "36" State Well No.1 located 1980 feet from the North line and 510 feet from the West line in Unit E of Section 36, Township 23 South, Range 32 East, NMPM, Lea County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations.
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified; and
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.
- (4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

- (1) The applicant herein, Meridian Oil Company is hereby authorized to complete its Triste Draw "36" State Well No.1 located 1980 feet from the North line and 510 feet from the West line in Unit E of Section 36, Township 23 South, Range 32 East, NMPM, Lea County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Bell Canyon formation at approximately 5364 feet to approximately 6138 feet through 2 7/8 inch plastic lined tubing set in a packer located at approximately 5300 feet.

OFFICE OF THE SECRETARY - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-5950
 ADMINISTRATIVE SERVICES DIVISION - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-9931
 ENERGY CONSERVATION AND MANAGEMENT DIVISION - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-5900
 FORESTRY AND RESOURCES CONSERVATION DIVISION - P. O. BOX 1948 - SANTA FE, NM 87504-1948 - (505) 827-5830
 MINING AND MINERALS DIVISION - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-5870
 OIL CONSERVATION DIVISION - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-7131
 PARK AND RECREATION DIVISION - P. O. BOX 1147 - SANTA FE, NM 87504-1147 - (505) 827-7465

*Administrative Order SWD-608
Meridian Oil Company
October 31, 1995
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IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 1073 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Bell Canyon formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

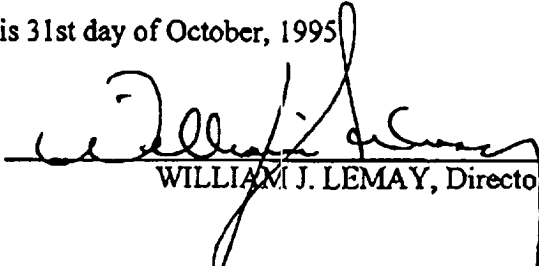
The operator shall immediately notify the supervisor of the Hobbs district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

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Meridian Oil Company
October 31, 1995
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The operator shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 31st day of October, 1995


WILLIAM J. LEMAY, Director

xc: Oil Conservation Division - Hobbs
State Land Office - Oil & Gas Division

WJL/BES

To: Mr. Dirk Ellyson

Laboratory No.

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No. 4

REMARKS:

Specific Gravity @ 60°F.	1.1681	1.1740
pH When Sampled		
pH When Received	6.60	7.40
Bicarbonate, as HCO ₃	68	205
Supersaturation, as CaCO ₃		
Undersaturation, as CaCO ₃		
Total Hardness, as CaCO ₃	60,500	69,000
Calcium, as Ca	20,000	22,600
Magnesium, as Mg	2,552	3,038
Sodium and/or Potassium	77,368	82,678
Sulfate, as SO ₄	370	282
Chloride, as Cl	161,880	176,080
Iron, as Fe	102	490
Barium, as Ba		
Turbidity		
Color, as Pt		
Total Solids, Calc.	262,238	284,883
Temperature, °F.		
Carbon Dioxide, Calc.		
Dissolved Oxygen		
Hydrogen Sulfide	0.0	0.0
Resistivity, ohms/m @ 77°F.	0.050	0.047
Suspended Oil		
Filtrable Solids, mg/l		
Volume Filtered, ml		

Results Reported As Milligrams Per Liter

Additional Determinations & Remarks

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