

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED  
OMB NO. 1004-0137  
Expires March 31, 2007

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

☐ Oil Well ☒ Gas Well ☐ Other

RECEIVED

2. Name of Operator

EOG Resources Inc.

DEC 16 2005

3a. Address

P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)

432 686 3689

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

Sec 19, T-18-S, R-30-E  
1262' FNL & 1113' FWL

5. Lease Serial No.

NAM 93478

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Chocolate Chip 19

Fed Com 1

9. API Well No.

30-015-32215

10. Field and Pool, or Exploratory Area

Turkey Track; Morrow, North

11. County or Parish, State

Eddy

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 ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off  
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity  
☐ Casing Repair ☐ New Construction ☐ Recomplete ☐ Other  
☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon  
☐ Convert to Injection ☐ Plug Back ☒ Water Disposal

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 final site is ready for final inspection.)

1. Water is produced from the Morrow formation.

2. The wells make approximately .25 bbls per day.

3. Water analysis is attached.

4. Water is stored in a 500 bbl fiberglass tank.

5. Water is transported to disposal by truck to SWD.

6. Water is disposed of at the Sand Tank 32 State Com 2 well located 1650' FSL & 1650' FEL, Unit J, Sec 32, T-17-S, R-30-E, Lea County. Permit Number SWD-684.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS ATTACHED

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

Stan Wagner

Title

Regulatory Analyst

Date 12/5/05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

Title

PETROLEUM ENGINEER

Date

DEC 14 2005

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.

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.

## 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. Turkey Track, Morrow North
2. Amount of water produced from all formations in barrels per day. 1/4 bbl per day
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. Fiberglass Water Tank
5. How water is moved to the disposal facility. Truck
6. Identify the Disposal Facility by:
  - A. Facility operator's name. Marbob Energy Corp
  - B. Name of facility or well name & number: Sand Tank 32 St Com #2
  - C. Type of facility or well (WDW) (WIW) etc. WIW
  - D. Location by 1/4 1/4: SWSW, S 32, T17S, R30E
7. Attach a copy of the State issued permit for the Disposal Facility.

708 W. INDIANA  
MIDLAND, TEXAS 79701  
PHONE 683-4521

## RESULT OF WATER ANALYSES

TO: Mr. Bob Perry  
P.O. Box 2267, Midland, Texas 79702

LABORATORY NO. 502-20  
SAMPLE RECEIVED 5/2/02  
RESULTS REPORTED 5/8/02

COMPANY EOG Resources, Inc. LEASE Chocolate Chip #1  
FIELD OR POOL Loco Hills  
SECTION      BLOCK      SURVEY      COUNTY Eddy STATE NM

**SOURCE OF SAMPLE AND DATE TAKEN:**

NO.1 Recovered water - taken from Chocolate Chip #1. 5/2/02

NO. 2 \_\_\_\_\_

NO. 3 \_\_\_\_\_

NO. 4

REMARKS: \_\_\_\_\_ MORROW

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0572			
pH When Sampled				
pH When Received	6.63			
Bicarbonate as HCO <sub>3</sub>	1,806			
Supersaturation as CaCO <sub>3</sub>				
Undersaturation as CaCO <sub>3</sub>				
Total Hardness as CaCO <sub>3</sub>	1,260			
Calcium as Ca	400			
Magnesium as Mg	63			
Sodium and/or Potassium	32,035			
Sulfate as SO <sub>4</sub>	3,218			
Chloride as Cl	46,860			
Iron as Fe	511			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	84,382			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	0.110			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks When we compare this water with our records in this field, we find it clearly is not Morrow water. We did find the ratios of salts to be very similar to what we would expect from a cut commercial brine.

Form No. 3

Fax: Hal Crabb @ Midland (686-6923)  
Ish Abila @ Kermit (586-9341)  
Leonard Abney, Pro Wireline (505-393-3626)

By Waylan C. Martin, M.A.



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**

Governor

**Jennifer A. Salisbury**

Cabinet Secretary

**Lori Wrotenbery**

Director

Oil Conservation Division

**AUG 27 2001**

**AMENDED ADMINISTRATIVE ORDER SWD-684**

***APPLICATION OF MARBOB ENERGY CORPORATION FOR AN AMENDMENT TO  
DIVISION ORDER SWD-684 FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW  
MEXICO.***

## **ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Marbob Energy Corporation made application to the New Mexico Oil Conservation Division on July 16, 2001, for permission to expand the injection interval in its Sand Tank "32" State Com Well No. 2 located 1650 feet from the South line and 1650 feet from the East line (Unit J) of Section 32, Township 17 South, Range 30 East, NMPM, Eddy 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; and
- (2) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.

### **IT IS THEREFORE ORDERED THAT:**

The applicant herein, Marbob Energy Corporation is hereby authorized to complete its Sand Tank "32" State Com Well No. 2 located 1650 feet from the South line and 1650 feet from the East line (Unit J) of Section 32, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Wolfcamp formation at approximately 8,510 feet to 9,100 feet through 2 7/8-inch or 3 1/2-inch plastic-lined tubing set in a packer located at approximately 8,410 feet.

*Amended Administrative Order SWD-684  
Marbob Energy Corporation  
August 24, 2001  
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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 1702 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 Wolfcamp 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 Artesia 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 Artesia 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.

The operator shall submit monthly reports of the disposal operations in accordance with Division Rules and Regulations on Form C-115, Operator's Monthly Report.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority granted herein shall terminate on December 1, 2001, if the operator has not commenced injection operations into the subject well, provided however, the

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*August 24, 2001*  
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Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 24th day of August, 2001.

  
LORI WROTENBERY, Director

LW/DRC

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