<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico **Energy Minerals and Natural Resources** Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

July 21, 2008 For closed-loop systems that only use above

Form C-144 CLEZ

ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOCD District Office.

## Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

Type of action: X Permit Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the

riconment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.			
perator: EOG Resources, Inc. OGRID #: 7377			
Address: P.O. Box 2267 Midland, TX 79702			
Facility or well name: Ross Gulch 8 Fed Com 1H			
API Number: 30-015- 39171 OCD Permit Number: 211672			
/L or Qtr/Qtr; C Section 8 Township 26S Range 31E County: Eddy			
enter of Proposed Design: Latitude Longitude NAD: \[ \square 1927 \square 1983			
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment			
Closed-loop System: Subsection H of 19.15.17.11 NMAC			
Operation: X Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) P&A			
Above Ground Steel Tanks or X Haul-off Bins			
igns: Subsection C of 19.15.17.11 NMAC			
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers			
Signed in compliance with 19.15.3.103 NMAC			
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  X Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  X Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  X Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC  Previously Approved Design (attach copy of design)  API Number:			
Previously Approved Operating and Maintenance Plan API Number:			
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)  Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.  Disposal Facility Name: Controlled Recovery, Inc.  Disposal Facility Permit Number: NM-01-0006			
. Disposal Facility Name: Gandy Marley, Inc. Disposal Facility Permit Number: NM-01-0019			
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?  X Yes (If yes, please provide the information below) Revision No			
Required for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC			

6. Operator Application Certification:		
I hereby certify that the information submitted with this application is true, accurate	and complete to the best of my knowledge and belief.	
Name (Print): Stan Wagner Title: Regulatory Analyst		
Signature: Stan Way	Date: 3/22/2011	
e-mail address: stan_wagner@eogresources.com Telephone: 432.686.3689		
7. OCD Approval: Permit Application (including closure plan) Closure Plan	. 1	
OCD Representative Signature:	Approval Date: 07/11/2011	
Title: DIST AL Superison of	CD Permit Number: 211672	
8. Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.		
	Closure Completion Date:	
9. Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.		
Disposal Facility Name:	risposal Facility Permit Number:	
Disposal Facility Name:	isposal Facility Permit Number:	
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?  Yes (If yes, please demonstrate compliance to the items below) \sum No		
Required for impacted areas which will not be used for future service and operations  Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique		
Operator Closure Certification:  I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.		
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone:	

### OPERATING AND MAINTENANCE PLAN - CLOSED LOOP SYSTEM

### 19.15.17.12 OPERATIONAL REQUIREMENTS:

- A. General specifications. An operator shall maintain and operate a pit, closed-loop system, below-grade tank or sump in accordance with the following requirements.
- (1) The operator shall operate and maintain a pit. closed-loop system, below-grade tank or sump to contain liquids and solids and maintain the integrity of the liner, liner system or secondary containment system, prevent contamination of fresh water and protect public health and the environment.

Operator shall operate and maintain a closed loop system.

(2) The operator shall recycle, reuse or reclaim all drilling fluids in a manner that prevents the contamination of fresh water and protects public health and the environment.

Operator shall recycle, reuse or reclaim all drilling fluids used. Excess or unused fluid shall be disposed of at division approved facilities.

(3) The operator shall not discharge into or store any hazardous waste in a pit, closed-loop system, below-grade tank or sump.

Operator shall not knowingly discharge hazardous waste into the closed loop system.

(4) If the integrity of the pit liner is compromised, or if any penetration of the liner occurs above the liquid's surface, then the operator shall notify the appropriate division district office within 48 hours of the discovery and repair the damage or replace the liner.

No Pit liner. Closed loop system.

(5) If a lined pit develops a leak, or if any penetration of the liner occurs below the liquid's surface, then the operator shall remove all liquid above the damage or leak line from the pit within 48 hours and repair the damage or replace the liner.

No Pit liner. Closed loop system. If a leak develops in any of the closed loop tanks, all liquid shall be removed from the effected tank within 48 hours and any damage shall be repaired prior to putting the tank back in service.

# · OPERATING AND MAINTENANCE PLAN – CLOSED LOOP SYSTEM

(6) The operator shall install a level measuring device in a lined pit containing fluids to monitor the level of the fluid surface, so that the operator may recognize unanticipated change in volume of fluids.		
No pit. Closed loop system. Excess fluid shall be removed appropriately from the catch tanks.		
(7) The injection or withdrawal of liquids from a lined pit shall be accomplished through a header, diverter or other hardware that prevents damage to the liner by erosion, fluid jets or impact from installation and removal of hoses or pipes.		
No pit. Closed loop system. Excess fluid shall be removed appropriately from the catch tanks using a re-circulating pump or vacuum trucks.		
(8) The operator shall operate and install a pit, below-grade tank or sump to prevent the collection of surface water run-on.		
Operator shall berm or collect surface water run- on and dispose of at a division approved facility.		
(9) The operator shall install, or maintain on site, an oil absorbent boom or other device to contain and remove oil from a pit's surface.		
Operator shall install a skimmer system on catch tanks, circulating tanks and over-flow tanks as needed to collect oil.		

## Closure Plan for Closed Loop Drilling System

#### 1. METHODS OF HANDLING WASTE MATERIALS

- a. Drill cuttings shall be disposed of in steel cuttings bins (catch tanks) on the drilling pad (behind the steel mud tanks). The bin and cuttings shall be hauled to a division approved facility by an approved transporter. At the facility, the cuttings shall be removed from the bin and the bin shall be returned to the drilling site for reuse, moved to the next drilling site or returned to the provider.
- b. Remaining drilling fluids shall be hauled off by approved transports to a division approved disposal facility. Water produced during completion shall be put in storage tanks and disposed of at a division approved facility. Oil and condensate produced shall be put in a storage tank and sold or put in a sales pipeline.

### 2. RECLAMATION

a. Within 120 days after the drilling and completion of the well, the location area shall be reduced as determined by operator to the minimum area necessary to safely and effectively operate the well. The reclaimed location area shall be restored to the condition that existed prior to oil and gas operations.

**EXHIBIT 4** Ross Gulch 8 Fed Com 1H Approx. Altermate EXISTIN *70'* 140' Water Storage De-watering System / if needed Additional catch tank Mud Cleaners Vent line **NNW** catch tank catch tank → Mud Gas Seperator Approx. Rail system **Choke Manifold** Water Storage Rig **→**BOP Equ. Alternate (O)<del>-</del> 340' Water Storage 170' <u>170'</u> Alternate Mud Tanks 200' **Directional Housing** Toolpusher Housing Co. Man Housing 340' Not to scale EOG Resources / Closed Loop Location Design Plan