

District I  
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

Form C-144 CLEZ  
July 21, 2008

For closed-loop systems that only use above 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:  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 environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.  
Operator: COG Operating LLC OGRID #: 229137  
Address: One Concho Center 600 W. Illinois, Midland, TX 79701  
Facility or well name: Quimet State Com #2H  
API Number: 30-015-40417 OCD Permit Number: 213111  
U/L or Qtr/Qtr A Section 2 Township 17S Range 29E County: Eddy  
Center of Proposed Design: Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD:  1927  1983  
Surface Owner:  Federal  State  Private  Tribal Trust or Indian Allotment

2.  
 **Closed-loop System:** Subsection H of 19.15.17.11 NMAC  
Operation:  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  Haul-off Bins

3.  
**Signs:** 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

4.  
**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.  
 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
 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: \_\_\_\_\_

5.  
**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 identify 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: CRI Disposal Facility Permit Number: R1966  
Disposal Facility Name: GM INC Disposal Facility Permit Number: 711-019-001  
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?  
 Yes (If yes, please provide the information below)  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  
 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): \_\_\_\_\_ Title: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_





Wellbore Prior to Opening Toe

API: 30-015-40417  
 SPD: 4/6/2013 @ 18:00 hrs  
 FRR: 4/24/2013 @ 18:00 hrs  
 RIG: UDI 40

**Quimet State Com #2H**  
 Empire  
 Glorieta-Yeso East Field  
 Eddy County, NM

Sec 2, T-17S, R-29E  
 SHL: 1070' FNL & 150' FEL  
 BHL: 971' FNL & 330' FWL (est)  
 GL: 3,658'  
 KB: 3,672'  
 ZERO: 14.0' AGL

HOLE SIZE	MW (ppg)	BHST (WF)	EVALUATION
17-1/2"	8.3		No Logs
12-1/4"	8.3		No Logs
8-3/4" x 7-7/8"	9.20	115F	OH Logs 1365' - 4684' (SLB). Mud Logs

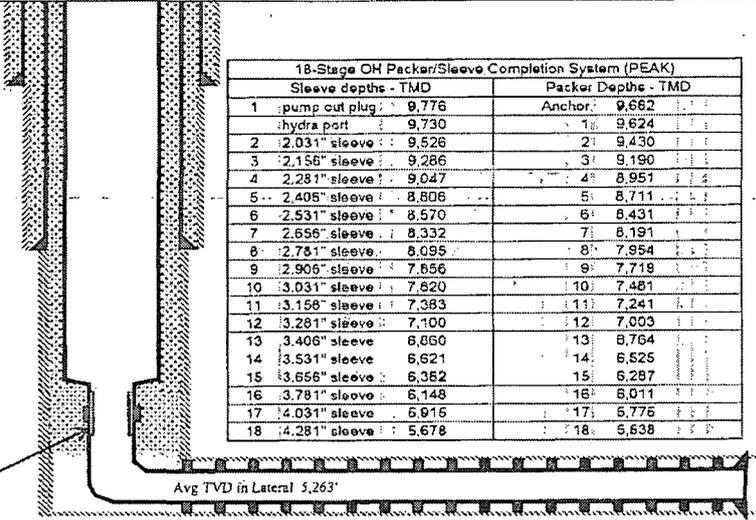
**Surface Casing @ 1,355'**  
 13 3/8" 48# H-40 STC  
 Did not circ cmt  
 Topped out-circ 8 sx to surface

**Intermediate Casing @ 1,365'**  
 9 5/8" 40# J-55 LTC  
 Did not circ cmt  
 Topped out-circ 4 sx to surface

**7" x 5-1/2" Production Casing @ 9,778'**  
 7" 26# L-80 LTC (from surface to 4,717')  
 5-1/2" 17# L-80 LTC (from 4,717' to 9,778')  
 Circulated 80 sx cmt to surface  
 Marker Joint (15') @ 2,981'  
 XO (7" x 5 1/2") @ 4,717'  
 DV tool (5 1/2") @ 4,763'  
 Debris Sub (5 1/2") @ 5,001'

**Expandable Liner @ 4,756' - 4,794'**  
 ID @ 4,210'  
 Drift @ 4,151'  
 Burst @ 7,130 psi  
 Collapse @ 3,940 psi

KOP @ 4,729'  
 EOC @ 5,669' MD (end of 8-3/4" hole)  
 EOL @ 9,834'



18-Stage OH Packer/Sleeve Completion System (PEAK)	
Sleeve depths - TMD	Packer Depths - TMD
1 pump out plug @ 9,776	Anchor @ 9,682
hydra port @ 9,730	1 @ 9,624
2 2.031" sleeve @ 9,526	2 @ 9,430
3 2.158" sleeve @ 9,286	3 @ 9,190
4 2.281" sleeve @ 9,047	4 @ 8,951
5 2.406" sleeve @ 8,806	5 @ 8,711
6 2.531" sleeve @ 8,570	6 @ 8,431
7 2.656" sleeve @ 8,332	7 @ 8,191
8 2.781" sleeve @ 8,095	8 @ 7,954
9 2.906" sleeve @ 7,856	9 @ 7,719
10 3.031" sleeve @ 7,620	10 @ 7,481
11 3.158" sleeve @ 7,383	11 @ 7,241
12 3.281" sleeve @ 7,100	12 @ 7,003
13 3.406" sleeve @ 6,860	13 @ 6,764
14 3.531" sleeve @ 6,621	14 @ 6,525
15 3.656" sleeve @ 6,382	15 @ 6,287
16 3.781" sleeve @ 6,148	16 @ 6,011
17 4.031" sleeve @ 5,915	17 @ 5,776
18 4.281" sleeve @ 5,678	18 @ 5,538

Avg TVD in Lateral 5,263'

**7" x 5-1/2" Production Casing @ 9,778'**  
 8-3/4" hole from 1,365' to 5,669' (end of curve)  
 7-7/8" hole from 5,669' to 9,834' (end of curve to TD)

Pump out plug @ 9,776'

Updated by C Rohwer  
 Date: 7/22/2013