

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(505) 745-1265 Fax:(505) 745-6720

District III
1000 Rio Bravo Rd., Artesia, NM 87410
Phone:(505) 334-6176 Fax:(505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources

Form C-161
August 1, 2011
Permit 131612

Oil Conservation Division

**1220 S. St Francis Dr.
Santa Fe, NM 87505**

Amended API

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND, TX 79701		2. OGPID Number 129137
		3. API Number 30-015- 89550 39588
4. Property Code 308221	5. Property Name MONCRIEF STATE	6. Well No 004

7. Surface Location

UL - Lot	Section	Township	Range	Location	Feet From	N/S Line	Feet From	E/W Line	County
L	23	17S	28E	L	1815	S	830	W	EDDY

8. Pool Information

EMPIRE, GLORIETA-YESO	96210
-----------------------	-------

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Casing/Rotary	12. Lease Type State	13. Ground Level Elevation 3612
14. Multiple N	15. Proposed Depth 5250	16. Formation Yeso Formation	17. Contractor	18. Spud Date 12/31/2011
Depth to Ground water 110		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17	13.375	48	250	300	0
Int1	11	8.625	24	850	400	0
Prod	7.875	5.5	17	5250	900	0

Casing/Cement Program: Additional Comments

COG proposes to drill a 17-1/2" hole to 250' with water mud system, wt 8.5, vis 28, set 13-3/8" casing & cement to surface. Drill an 11" hole to 850' with water mud system, wt 10, vis 30. Set 8-5/8" casing & cement to surface. Drill a 7-7/8" hole to 5250' without brine mud system, wt 9.1, vis 29-32. Test Yeso formation. Run 5-1/2" casing & cement to surface. Note: On production string, a caliper will be run, COG will attempt to circulate cement.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .	OIL CONSERVATION DIVISION	
	Approved By: Randy Dada 03/14/2012	
	Printed Name: Electronically filed by Diana Kuykendall	
	Title: District Supervisor	
	Approved Date: 11/8/2011 Expiration Date: 11/8/2013	
Email Address: dkuykendall@conchoresources.com		
Date: 10/31/2011 Phone: 432-683-7443		

District I
1825 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-6720
District II
811 S. First St., Artesia, NM 88210
Phone:(505) 748-1285 Fax:(505) 748-9720
District III
1000 Rio Bravo Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-162
August 1, 2011
Permit: 131812

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-39558	2. Pool Code 96210	3. Pool Name EMPIRE; GLORIETA-YESO
4. Property Code 308221	5. Property Name MONCRIEF STATE	6. Well No 004
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 5612

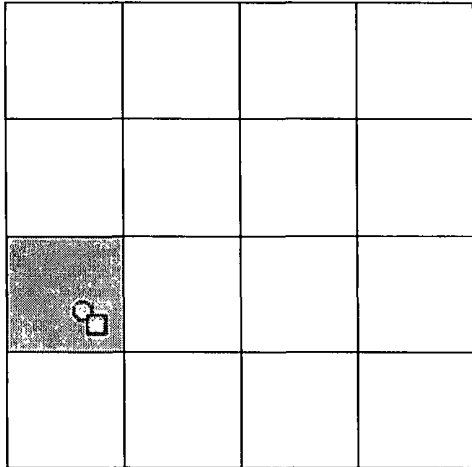
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	23	17S	28E		1815	S	830	W	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	23	17S	28E	L	1650	S	990	W	EDDY
12. Dedicated Acres 40.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> E-Signed By: Diane Kuykendall Title: Production Reporting Mgr Date: 10/31/2011 SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Surveyed By: Ronald Eidson Date of Survey: 8/26/2011 Certificate Number: 3239
---	---

Permit Comments

Operator: COG OPERATING LLC , 229137

Well: MONCRIEF STATE #004

API: 30-015-39558

Created By	Comment	Comment Date
khclly1	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	5/15/2011