

District I
1615 N. French Dr., Bixbee, NM 87604
Phone: (505) 393-6161 Fax: (505) 393-6720

District II
811 S. First St., Aramis, NM 88210
Phone: (505) 744-1212 Fax: (505) 744-4720

District III
1000 Rio Rancho Rd., Aztec, NM 87410
Phone: (505) 334-6171 Fax: (505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3470 Fax: (505) 476-3482

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

Form C-101
August 1, 2011
Permit 155802

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

1. Operator Name and Address COG OPERATING LLC One Concho Center Midland, TX 79701		2. OGRID Number 229137
		3. API Number 30-015-40926
4. Property Code 39567	5. Property Name CUSTER 16 STATE COM	6. Well No. 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot 1/4	Foot From	N/S Line	Foot From	E/W Line	County
N	16	19S	26E	N	150	S	1650	W	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot 1/4	Foot From	N/S Line	Foot From	E/W Line	County
C	16	19S	26E	C	330	N	1652	W	Eddy

9. Pool Information

ATOKA-GLORIETA-YESO	3250
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Additional Well Information

11. Well Type New Well	12. Well Type OIL	13. Casing Rotary	14. Lease Type State	15. Ground Level Elevation 3349
16. Multiple N	17. Proposed Depth 7450	18. Formation Yeso Formation	19. Contractor	20. Spud Date 2/28/2013
Depth to Ground water 110		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	11	4.625	32	1200	700	0
Prod	7.875	5.5	17	7450	800	0

Casing/Cement Program: Additional Comments

COG proposes to drill an 11" hole to 1200' w/ fresh water, run 8-5/8" 32# J-55 and cement to surface. Drill a 7-7/8" hole to 2342' MD and kick off and drill curve to 2820' TVD 3102' MD. Drill a 7-7/8" lateral to new BHL @ 2729' TVD 7450' MD. Run a 5 1/2" 17# L-80 casing to TD cement to surface with 800 sacks.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.16, 14.9 (A) NMAC OR and/or 19.16, 14.9 (B) NMAC OR, if applicable.		OIL CONSERVATION DIVISION	
Signature: _____		Approved By: Randy Dade	
Printed Name: Electronically filed by Diane Krykendaal		Title: District Supervisor	
Title: Production Reporting Mgr		Approved Date: 12-24-2012 Expiration Date: 12-24-2014	
Email Address: dkrykendaal@conchoresources.com			
Date: 12-3-2012	Phone: 432-683-7443	Conditions of Approval Attached	

BEFORE THE OIL CONSERVATION
DIVISION
Santa Fe, New Mexico
Exhibit No. 2
Submitted by: **COG OPERATING**
Hearing Date: **December 17, 2015**