

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. OGRID Number 229137
		3. API Number 30-015-39060
4. Property Code 308251	5. Property Name MYOX 28 STATE COM	6. Well No. 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	28	25S	28E	M	330	S	330	W	EDDY

8. Pool Information

RED BLUFF: BONE SPRING	50990
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Additional Well Information

Additional Well Information				
9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 2962
14. Multiple N	15. Proposed Depth 11245	16. Formation Bone Spring	17. Contractor	18. Spud Date 6/19/2011
Depth to Groundwater		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Linear: Synthetic <input type="checkbox"/> mls thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method:				
Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	600	700	0
Int1	12.25	9.625	36	2400	1000	0
Prod	7.875	5.5	17	11245	1000	2200

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 600' with Fresh Water. Run 13-3/8", 48#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 2400' with Brine, and run 9-5/8", 36#, J-55 and cement to surface. Drill 7-7/8" hole to 11,245 MD (6,719' TVD), and run 5-1/2", 17#, P-110 csg and cement to 2200'.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

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 <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Diane Kuykendall		Approved By: Randy Dade	
Title: Production Reporting Mgr		Title: District Supervisor	
Email Address: dkuykendall@conchoresources.com		Approved Date: 5/24/2011 Expiration Date: 5/24/2013	
Date: 5/19/2011 Phone: 432-683-7443		Conditions of Approval Attached	

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

District II
 1301 W. Grand Ave., Artesia, NM 88210
 Phone:(505) 748-1283 Fax:(505) 748-9720

District III
 1000 Rio Brazos 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-102
 Permit 132002

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-39060	2. Pool Code 50990	3. Pool Name RED BLUFF;BONE SPRING
4. Property Code 308251	5. Property Name MYOX 28 STATE COM	6. Well No. 002H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 2962

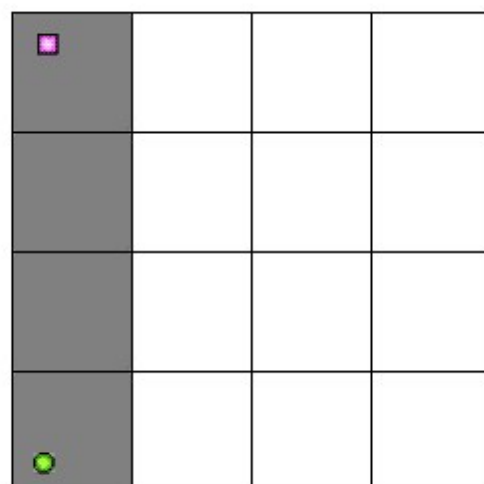
10. Surface Location

UL - Lot M	Section 28	Township 25S	Range 28E	Lot Idn	Feet From 330	N/S Line S	Feet From 330	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot D	Section 28	Township 25S	Range 28E	Lot Idn D	Feet From 330	N/S Line N	Feet From 380	E/W Line W	County EDDY
12. Dedicated Acres 160.00		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 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.

E-Signed By: Diane Kuykendall
 Title: Production Reporting Mgr
 Date: 5/19/2011

SURVEYOR CERTIFICATION

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.

Surveyed By: Frank Jaramillo
 Date of Survey: 4/15/2011
 Certificate Number: 12797

Permit Comments

Operator: COG OPERATING LLC , 229137

Well: MYOX 28 STATE COM #002H

API: 30-015-39060

Created By	Comment	Comment Date
krabinson2	COG Operating has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore we do not believe that an H2S Contingency Plan would be necessary.	5/19/2011
Artesia	Land S/S	5/19/2011

Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137

Well: MYOX 28 STATE COM #002H

API: 30-015-39060

OCD Reviewer	Condition
Artesia	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string