

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 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-101  
August 1, 2011  
Permit 179357

**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
4. Property Code 40313		3. API Number 30-015-41924
5. Property Name Myox 8 State		6. Well No. 004H

**7. Surface Location**

UL - Lot <b>M</b>	Section <b>8</b>	Township <b>26S</b>	Range <b>28E</b>	Lot Idn	Feet From <b>190</b>	N/S Line <b>S</b>	Feet From <b>1000</b>	E/W Line <b>W</b>	County <b>Eddy</b>
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**8. Proposed Bottom Hole Location**

UL - Lot <b>D</b>	Section <b>8</b>	Township <b>26S</b>	Range <b>28E</b>	Lot Idn <b>D</b>	Feet From <b>330</b>	N/S Line <b>N</b>	Feet From <b>660</b>	E/W Line <b>W</b>	County <b>Eddy</b>
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**9. Pool Information**

HAY HOLLOW;BONE SPRING, NORTH	30216
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**Additional Well Information**

11. Work Type <b>New Well</b>	12. Well Type <b>OIL</b>	13. Cable/Rotary	14. Lease Type <b>State</b>	15. Ground Level Elevation <b>3109</b>
16. Multiple <b>N</b>	17. Proposed Depth <b>12585</b>	18. Formation <b>Bone Spring</b>	19. Contractor	20. Spud Date <b>1/13/2014</b>
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	350	300	
Int1	12.25	9.625	36	2425	675	
Prod	7.875	5.5	17	12585	1700	2225

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 350' with Fresh Water. Run 13-3/8", 48#, H-40 csg and cmt to surface. Drill 12-1/4" hole to 2,425' with Brine, and run 9-5/8", 36#, J-55 and cement to surface in 1 stage. Drill 7-7/8" curve and lateral with cut brine to approx 12,585' MD. Run 5-1/2", 17#, P-110 csg and cement to 2,225' in 1 stage.
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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

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 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.  Signature:	<b>OIL CONSERVATION DIVISION</b>
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: 1/6/2014      Expiration Date: 1/6/2016
Date: 1/6/2014      Phone: 432-683-7443	Conditions of Approval Attached

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 179357

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-41924	2. Pool Code 30216	3. Pool Name HAY HOLLOW;BONE SPRING, NORTH
4. Property Code 40313	5. Property Name Myox 8 State	6. Well No. 004H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3109

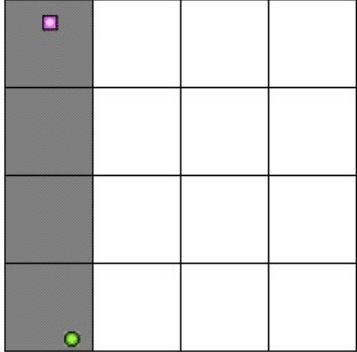
**10. Surface Location**

UL - Lot M	Section 8	Township 26S	Range 28E	Lot Idn	Feet From 190	N/S Line S	Feet From 1000	E/W Line W	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot D	Section 8	Township 26S	Range 28E	Lot Idn	Feet From 330	N/S Line N	Feet From 660	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**

	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><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></p> <p>E-Signed By: Diane Kuykendall Title: Production Reporting Mgr Date: 1/6/2014</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><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></p> <p>Surveyed By: Chad Harcrow Date of Survey: 8/13/2013 Certificate Number: 17777</p>
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Form APD Comments

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

Permit 179357

**PERMIT COMMENTS**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-015-41924
	Well: Myox 8 State #004H

Created By	Comment	Comment Date
mreyes1	OIL: 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.	1/6/2014
CSHAPARD	Land s/s	1/6/2014

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Form APD Conditions  
Permit 179357

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-41924
		Well: Myox 8 State #004H

OCD Reviewer	Condition
CSHAPARD	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