

**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) 334-8178 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 230011

**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 38521		3. API Number 30-015-44003
5. Property Name MYOX 21 STATE COM		6. Well No. 033H

**7. Surface Location**

UL - Lot	M	Section	21	Township	25S	Range	28E	Lot Idn	M	Feet From	190	N/S Line	S	Feet From	820	E/W Line	W	County	Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot	D	Section	16	Township	25S	Range	28E	Lot Idn	D	Feet From	200	N/S Line	N	Feet From	1122	E/W Line	W	County	Eddy
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**9. Pool Information**

WC-015 G-06 S2628050;UPR WOLFCAMP	98195
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 2990
16. Multiple N	17. Proposed Depth 19519	18. Formation Wolfcamp	19. Contractor	20. Spud Date 12/27/2016
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	54.5	350	275	
Int1	12.25	9.625	40	8800	2400	
Prod	8.5	5.5	20	19519	2500	8600

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 350' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 8,800' with Diesel/Brine emulsion mud, and run 9-5/8", 40# L-80 and cement to surface. Drill 8-1/2" vertical, curve, and lateral with oil base mud to approximately 19,519' MD. Run 5-1/2", 20#, P-110 csg and cement to 8,600'.
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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Horn

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: _____ Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: production@concho.com Date: 12/20/2016	<b>OIL CONSERVATION DIVISION</b>  Approved By: Paul Kautz Title: Geologist Approved Date: 12/20/2016 Expiration Date: 12/20/2018 Conditions of Approval Attached
Phone: 432-683-7443	

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Form C-102  
August 1, 2011  
Permit 230011

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-44003	2. Pool Code 98195	3. Pool Name WC-015 G-06 S2628050;UPR WOLFCAMP
4. Property Code 38521	5. Property Name MYOX 21 STATE COM	6. Well No. 033H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 2990

**10. Surface Location**

UL - Lot M	Section 21	Township 25S	Range 28E	Lot Idn M	Feet From 190	N/S Line S	Feet From 820	E/W Line W	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot D	Section 16	Township 25S	Range 28E	Lot Idn D	Feet From 200	N/S Line N	Feet From 1122	E/W Line W	County Eddy
12. Dedicated Acres 320.00	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: 12/20/2016</p>
	<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: Frank Jaramillo Date of Survey: 12/2/2016 Certificate Number: 12797</p>

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Form APD Comments

Permit 230011

**PERMIT COMMENTS**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-44003
		Well: MYOX 21 STATE COM #033H
Created By	Comment	Comment Date
mreyes3	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.	12/20/2016

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Form APD Conditions

Permit 230011

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-015-44003
	Well: MYOX 21 STATE COM #033H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	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
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Operator shall notify appropriate District office when setting conductor pipe.
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of spudding a well.
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs.
pkautz	If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Submit Gas Capture Plan form prior to spudding or initiating recompletion operations