

**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) 334-8170  
**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 236315

**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 317779		3. API Number 30-015-44189
5. Property Name ROADSTER STATE COM		6. Well No. 001H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	4	24S	27E	1	210	N	330	E	Eddy

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	9	24S	27E	P	200	S	330	E	Eddy

**9. Pool Information**

PURPLE SAGE;WOLFCAMP (GAS)	98220
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**Additional Well Information**

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3189
16. Multiple N	17. Proposed Depth 19549	18. Formation Wolfcamp	19. Contractor	20. Spud Date 5/23/2017
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	24	20	57	120	100	
Int1	17.5	13.375	54.5	2200	1400	
Int2	12.25	9.625	40	8550	1800	
Prod	8.5	5.5	20	19549	2600	8200

**Casing/Cement Program: Additional Comments**

Drill 24" hole to 120' into the Rustler (Preset). Run 20" 57# conductor pipe to TD and cement to surface in one stage. Will set in Rustler and cover water depth. Drill 17-1/2" hole to ~2200' w/ 10# Brine mud. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Drill 12-1/4" hole to ~8,550' with Cut Brine. Run 9-5/8" 40# L-80 casing to TD and cement to surface in one stage. Drill 8-1/2" vertical hole, curve & lateral to 19,549' with OBM. Run 5-1/2" 20# P110 BTC casing to TD and cement to 8,200' in one stage.

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	5000	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: _____ Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: production@concho.com Date: 5/16/2017	<b>OIL CONSERVATION DIVISION</b>  Approved By: Raymond Podany Title: Geologist Approved Date: 5/19/2017      Expiration Date: 5/19/2019 Conditions of Approval Attached
Phone: 432-683-7443	

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Form C-102  
August 1, 2011  
Permit 236315

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-44189	2. Pool Code 98220	3. Pool Name PURPLE SAGE;WOLFCAMP (GAS)
4. Property Code 317779	5. Property Name ROADSTER STATE COM	6. Well No. 001H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3189

**10. Surface Location**

UL - Lot A	Section 4	Township 24S	Range 27E	Lot Idn 1	Feet From 210	N/S Line N	Feet From 330	E/W Line E	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot P	Section 9	Township 24S	Range 27E	Lot Idn	Feet From 200	N/S Line S	Feet From 330	E/W Line E	County Eddy
12. Dedicated Acres 640.84	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:                 5/16/2017</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:     4/4/2017 Certificate Number: 12797</p>

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Form APD Comments  
  
 Permit 236315

**PERMIT COMMENTS**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-44189
		Well: ROADSTER STATE COM #001H
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.	5/16/2017

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Form APD Conditions

Permit 236315

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-015-44189
	Well: ROADSTER STATE COM #001H

OCD Reviewer	Condition
RPodany	Will require a directional survey with the C-104
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing
RPodany	