

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 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 264639

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

1. Operator Name and Address COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701		2. OGRID Number 229137
4. Property Code 325140		3. API Number 30-015-45786
5. Property Name EIGHTY SIX SOX STATE		6. Well No. 801H

7. Surface Location

UL - Lot D	Section 3	Township 24S	Range 27E	Lot Idn 4	Feet From 225	N/S Line N	Feet From 330	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot M	Section 3	Township 24S	Range 27E	Lot Idn M	Feet From 200	N/S Line S	Feet From 330	E/W Line W	County Eddy
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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 3185
16. Multiple N	17. Proposed Depth 14568	18. Formation Wolfcamp	19. Contractor	20. Spud Date 4/5/2019
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	500	500	0
Int1	12.25	9.625	40	2200	1000	0
Int2	8.75	7	29	9400	2000	0
Prod	6.125	4.5	13.5	14568	500	9400

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to ~500' w/ fresh water spud mud. Run 13-3/8" 54.5# J-55 BTC casing to TD and cement to surface in one stage. Drill 12-1/4" hole to ~2,200' with saturated brine. Run 9-5/8 40# J-55 BTC to TD and cement to surface in one stage. Drill 8-3/4" vertical hole to 9,400' with cut brine. Run 7" 29# P110 BTC casing from TD to surface and cement to surface in one stage. Drill 6-1/8" curve and lateral to 14,568' with OBM. Run 4-1/2" 13.5# P110 BTC liner from 9,400' to TD and cement in one stage.

22. Proposed Blowout Prevention Program

Type Double Ram	Working Pressure 5000	Test Pressure 5000	Manufacturer Cameron
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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 ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: dkuykendall@concho.com Date: 3/12/2019	Approved By: Raymond Podany Title: Geologist Approved Date: 3/12/2019 Conditions of Approval Attached
Phone: 432-683-7443	Expiration Date: 3/12/2021

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Santa Fe, NM 87505

Form C-102

August 1, 2011

Permit 264639

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-45786	2. Pool Code 98220	3. Pool Name PURPLE SAGE;WOLFCAMP (GAS)
4. Property Code 325140	5. Property Name EIGHTY SIX SOX STATE	6. Well No. 801H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3185

10. Surface Location

UL - Lot D	Section 3	Township 24S	Range 27E	Lot Idn 4	Feet From 225	N/S Line N	Feet From 330	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot M	Section 3	Township 24S	Range 27E	Lot Idn	Feet From 200	N/S Line S	Feet From 330	E/W Line W	County Eddy
12. Dedicated Acres 320.85	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: 3/12/2019

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: Robert Howett
Date of Survey: 2/20/2019
Certificate Number: 19680

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Form APD Comments

Permit 264639

PERMIT COMMENTS

Operator Name and Address:		API Number:
COG OPERATING LLC [229137]		30-015-45786
600 W Illinois Ave		Well:
Midland, TX 79701		EIGHTY SIX SOX STATE #801H

Created By	Comment	Comment Date
rodom	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	3/8/2019

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Form APD Conditions

Permit 264639

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-015-45786
		Well: EIGHTY SIX SOX STATE #801H
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	