

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 269567

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 325776		3. API Number 30-025-46256
5. Property Name VALOR STATE COM		6. Well No. 701H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	35	25S	33E	A	210	N	695	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	2	26S	33E	H	2590	N	330	E	Lea

9. Pool Information

BOBCAT DRAW;UPPER WOLFCAMP	98094
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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 3329
16. Multiple N	17. Proposed Depth 20198	18. Formation Wolfcamp	19. Contractor	20. Spud Date 3/1/2020
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	14.75	10.75	45.5	1175	855	0
Int1	9.875	7.625	29.7	11800	2700	0
Prod	6.75	5.5	18	20198	1595	0
Prod	6.75	5.5	23	11300	0	0

Casing/Cement Program: Additional Comments

COG proposes to drill a 14-3/4" hole to 1175' w/ fresh water spud mud; set 10-3/4" casing and cement to surface in one stage. Drill a 9-7/8" hole to 11,800' w/ diesel-brine emulsion mud system; set 7-5/8" casing and cement to surface in two stages. Drill a 6-3/4" hole to 20,213' w/oil based mud system set 5-1/2"x5" split string casing to TD and cement to surface in one 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 ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Diane Kuykendall	Approved By: Paul F Kautz
Title: Production Accounting Director	Title: Geologist
Email Address: dkuykendall@concho.com	Approved Date: 7/23/2019 Expiration Date: 7/23/2021
Date: 7/23/2019 Phone: 432-685-4372	Conditions of Approval Attached

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Form C-102
 August 1, 2011
 Permit 269567

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-46256	2. Pool Code 98094	3. Pool Name BOBCAT DRAW;UPPER WOLFCAMP
4. Property Code 325776	5. Property Name VALOR STATE COM	6. Well No. 701H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3329

10. Surface Location

UL - Lot A	Section 35	Township 25S	Range 33E	Lot Idn A	Feet From 210	N/S Line N	Feet From 695	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot H	Section 2	Township 26S	Range 33E	Lot Idn H	Feet From 2590	N/S Line N	Feet From 330	E/W Line E	County Lea
12. Dedicated Acres 240.00	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>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> E-Signed By: Diane Kuykendall Title: Production Accounting Director Date: 7/23/2019
	SURVEYOR CERTIFICATION <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> Surveyed By: Chad Harcrow Date of Survey: 12/12/2018 Certificate Number: 17777

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Form APD Comments

Permit 269567

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-025-46256
		Well: VALOR STATE COM #701H
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.	7/10/2019

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Form APD Conditions

Permit 269567

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-025-46256
	Well: VALOR STATE COM #701H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
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	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.