<u>District I</u> 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

1220 S. St Francis Dr., Santa Fe, NM 87505

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 262866

	me and Address	_						2. OGF	RID Number		
	G OPERATING LL	С							229137		
	W Illinois Ave							3. API	Number	_	
	land, TX 79701								30-025-4559	9	
4. Property Co 397		5. I	Property Name BOONE 1	6 STATE COM				6. Wel	I No. 004H		
		1		7. Sur	face Location			•			
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet Fron	n	E/W Line	County	,
D	21	21S		3E D	400	N		660	W		Lea
			•	8. Proposed I	Bottom Hole Location	on	•		•	•	
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From		E/W Line	County	
D	9	21S	33	BE D	50	N		660	W		Lea
WC-025 G-0	8 S213304D;BON	E SPRING			ol Information				9789	5	
					I Well Information						
11. Work Type		12. Well Type	13. C	13. Cable/Rotary			7.		und Level Elevation		
	w Well	OIL		State			3741				
16. Multiple		17. Proposed Depth	18. F	18. Formation 19. Contractor			20. Spu				
N N		22479	D: 1	3rd Bone Spring				D: 1	5/1/2019		
Depth to Grou	nd water		Dista	ince from nearest fresh wa	ter well			Distance	e to nearest surface	water	
We will be	using a closed-lo	op system in lieu o	of lined pits								
	Hole Size	Casing Siz			sing and Cement Pr		Caalcaa	f Cement		Estimated	TOC
Typo	20	Casing Siz	26	0 0					0	100	
Type		10.75		45.5 5700			1700 1775			0	
Surf				29.7 10950			1100		0		
	14.75 9.875	7.625		29 /	23 22479 125			0			

3/4" casing and cement to surface in two stages. Drill an 9-7/8" hole to 10,950' w/ cut brine water mud system. Set 7-5/8" casing to TD and cement to surface in one stage. Drill a 6-3/4" curve and lateral to 22,479' with OBM. Set 5-1/2" 23# CYP-110 casing at TD and cement to surface in one stage.

22. Proposed Blowout Prevention Program Working Pressure Test Pressure Manufacturer Туре Double Ram 3000 3000 Cameron

knowledge and	belief. I have complied with 19.15.14.9 (A)	true and complete to the best of my NMAC ☑ and/or 19.15.14.9 (B) NMAC		OIL CONSE	ERVATION DIVISION
Printed Name:	Electronically filed by Diane Kuy	kendall	Approved By:	Paul F Kautz	
Title:	Production Reporting Mgr		Title:	Geologist	
Email Address:	mail Address: dkuykendall@concho.com			2/15/2019	Expiration Date: 2/15/2021
Date:	te: 1/31/2019 Phone: 432-683-7443			roval Attached	•

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District IV

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

Form C-102 August 1, 2011

Permit 262866

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-025-45599	97895	WC-025 G-08 S213304D;BONE SPRING
4. Property Code	5. Property Name	6. Well No.
39741	BOONE 16 STATE COM	004H
7. OGRID No.	8. Operator Name	9. Elevation
229137	COG OPERATING LLC	3741

10 Surface Location

				iu. Suria	Ce Location				
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	21	21S	33E	D	400	N	660	W	Lea

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	9	21S	33E	D	50	N	660	W	Lea
12. Dedicated Acres		13. Joint or Infill		14. Consolidation Code			15. Order No.		
320.00									

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. Diane Kuykendall E-Signed By: Production Reporting Mgr Title: 1/31/2019 Date 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. Chad Harcrow Surveyed By: 12/11/2018 Date of Survey: 17777 Certificate Number:

Form APD Comments

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

Permit 262866

PERMIT COMMENTS

Operator Name and Address:	API Number:
COG OPERATING LLC [229137]	30-025-45599
600 W Illinois Ave	Well:
Midland, TX 79701	BOONE 16 STATE COM #004H

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.	1/29/2019
pkautz	Potash letters sent to BLM & SLO	2/8/2019

Form APD Conditions

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Permit 262866

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
COG OPERATING LLC [229137]	30-025-45599
600 W Illinois Ave	Well:
Midland, TX 79701	BOONE 16 STATE COM #004H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE1 CASING Cement must circulate to surface 2) INTERMEDIATE2 CASING Cement must tie back into intermediate1 casing - 3) PRODUCTION CASING Cement must tie back into intermediate2 casing
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	1) The Operator is to notify NMOCD by sundry (Form C103) within ten (10) days of the well being spud 2) Drilling Sundries Form C103 (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 C104
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 C103 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
pkautz	Potash Area - 1) Salt Protection String - If the cement fails to reach the surface or the bottom of the cellar, where required, the top of the cement shall be located by a temperature or other survey and additional cementing shall be done until the cement is brought to the surface. 2) Four String Casing Program – In accordance with R-111-P surface string, salt protection string and intermediate string shall be cemented to surface. Production string must tie back into the intermediate string