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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

District IV

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

Manufacturer

Shaeffer

Permit 211980

Operator I		and Addres		;									2. OGR	ID Number 229137		
		concho Cond, TX 79											3. APIN	Number 30-025-4290	4	
4. Property 0	Code 31531	8			5. Proper	rty Name WARE	BLER STA	TE COM	\				6. Well	No. 002Y		
		85		: 64		28		202	7. Surfa	ace Location		9:	0.00	:62	215	
UL - Lot	С	Section	28	Township	218	Range	33E	Lot Idn	С	Feet From 195	N/S Line	Feet From	2010	E/W Line W	County	Lea
								8. Prop	sed B	ottom Hole Locati	on					
JL - Lot	N	Section	28	Township	218	Range	33E	Lot Idn	N	Feet From 330	N/S Line	Feet From	1980	E/W Line W	County	Lea

9. Pool Information

	or r cor information	
WC-025 G-06 S213326D:BONE SPRING	10 Na Noa Na	97929

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lesse Type State	15. Ground Level Elevation 3698
16. Multiple N	17. Proposed Depth 15482	18. Formation Bone Spring	19. Contractor	20. Spud Date 10/29/2015
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

Type

Double Ram

21. Proposed Casing and Cement Program

			Ziii i opooda dadiii	dira comone i rogiam		
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	20	16	65	1750	1340	
Int1	14.75	11.75	47	3500	1575	
Int2	10.625	8.625	32	5370	1335	4794 y 13
Prod	7.875	5.5	17	15482	1830	3000

Casing/Cement Program: Additional Comments

Drill 20" hole to ~ (+/-) 1750' w/ fresh water spud mud. Run 16" 65# J55 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 2% CaCl2 to cement to surface, if necessary. Drill 14 3/4" hole to ~3500' with saturated brine water. Run 11 1/4" 47# J55 STC-BTC to TD. This will case off the salt section Drill 10 5/8" hole to ~5370' with either saturated brine or Fresh water mud. If losses occur in the Reef, will switch to fresh water to interval TD. Run 8 5/8" 47# J55 casing to TD with a DV tool placed ~ 100' above the Reef. Plan to circulate cement on both stages. Drill 7 7/8" vertical hole, curve, and lateral to ~ (+/-) 15482' with cut brine. Run 5-1/2" 17# HCP110 LTC casing to TD and cement to surface in one stage.

22. Proposed Blowout Prevention Program

Test Pressure

3000

Working Pressure

3000

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 CONS	ERVATION DIVISION
Printed Name:	Electronically filed by Diane Kuyl	kendall	Approved By:	Paul Kautz	
Title:	Production Reporting Mgr	Title:	Geologist		
Email Address:	production@concho.com		Approved Date:	10/29/2015	Expiration Date: 10/29/2017
Date:	10/28/2015	Conditions of Ap	proval Attached	* 17	

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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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-025-42904	97929	WC-025 G-06 S213326D;BONE SPRING
4. Property Code 315318	5. Property Name WARBLER STATE COM	6. Well No. 002Y
7. OGRID No.	8. Operator Name	9. Elevation
229137	COG OPERATING LLC	3698

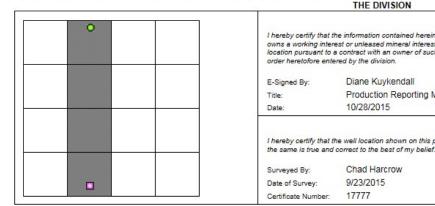
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	28	21S	33E	C	195	N	2010	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
N	28	218	33E	N	330	S	1980	W	Lea
12. Dedicated Acres 160.00			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



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

Production Reporting Mgr

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

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 211980

PERMIT COMMENTS

Operator Name and Address:	API Number:
COG OPERATING LLC [229137]	30-025-42904
One Concho Center	Well:
Midland, TX 79701	WARBLER STATE COM #002Y

Created By	Comment	Comment Date
	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.	10/28/2015
pkautz	Sent Potash review forms to BLM & SLO @ 11:54 10/28/2015	10/28/2015
pkautz	Received reply from BLM 12:31 10/28/2015 OK per BLM. Waiting for reply from SLO	10/28/2015

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Permit 211980

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
COG OPERATING LLC [229137]	30-025-42904
One Concho Center	Well:
Midland, TX 79701	WARBLER STATE COM #002Y

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	Potash Area - 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
pkautz	Potash Area - 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.
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	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186
pkautz	1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 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.