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 184169

CO	me and Address G OPERATING LL						300			3900	2. OGR	1D Number 229137		
	e Concho Center land, TX 79701										3. APIN	Number 30-025-41772	2	
4. Property Code 5. Property Name WARBL				Name VARBLE	R STATI	E					6. Well	No. 002H		
						7. Surf	ace Location							
JL - Lot E	Section 28	Township 2	21S	ange 3	3E	Lot Idn	Feet From 2310	N/S L	ine N	Feet Fro	m 190	E/W Line W	County	Lea
						8. Proposed B	Sottom Hole Locat	tion						
UL - Lot H	Section 28	Township 2	1S R	ange 3	3E	Lot Idn H	Feet From 2260	N/S	Line N	Feet F	330	E/W Line	County	Lea
						9. Poo	I Information							
NC-025 G-0	6 S213323D;BON	SPRING				0.0 V 1.0	1000					9792	9	
						Additional	Well Information							
11. Work Type Nev	v Well	12. Well Ty	pe DIL		13. Cal	ble/Rotary		14. Lease	Type State	1		evel Elevation 97		
16. Multiple N		17. Propose	ed Depth 15532		18. Formation Bone Spring			19. Contractor 20			0. Spud Date 4/11/2014			
Depth to Ground water				Distance from nearest fresh water well Dist					istance to nearest surface water					
We will be	using a closed-loo	p system in I	ieu of lined	pits	21	Dronosad Casi	ing and Cement P	rogram						
Type	Hole Size	Casir	ng Size			g Weight/ft	Setting			Sads	of Cement		Estimated T	ОС
Surf	17.5	13	.375	Ĭ	į	54.5	1720		-		025			
Int1	12.25		625			36 5540 2055								
Prod	8.75		5.5			17	155	32		1	850		5240	
					Casin	a/Coment Drog	ram: Additional C	omments						

BTC casing to TD with a DV tool placed ~ 100' above the Reef. Plan to circulate cement on both stages. Drill 8-3/4" vertical hole and curve and 7-7/8" lateral to 15532' with cut brine. Run 5-1/2" 17# P110 LTC casing to TD and cement to 5240' (300' overlap) surface in one stage.

02	22. Proposed Blowout Preve	ntion Program	50
Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	T3 Energy

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 CONSERVATIO	N DIVISION
Printed Name:	Electronically filed by Diane Kuy	kendall	Approved By:	Paul Kautz	
Title:				Geologist	
Email Address: dkuykendall@conchoresources.com			Approved Date:	4/9/2014	Expiration Date: 4/9/2016
Date:	te: 4/4/2014 Phone: 432-683-7443			roval Attached	

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 <u>District II</u> 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

<u>District III</u> 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) 476-3462

# 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 184169

## WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-025-41772	97929	WC-025 G-06 S213323D;BONE SPRING
4. Property Code	5. Property Name	6. Well No.
39797	WARBLER STATE	002H
7. OGRID No.	8. Operator Name	9. Elevation
229137	COG OPERATING LLC	3697

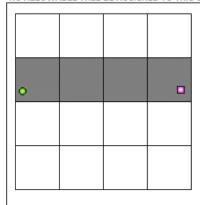
### 10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	28	218	33E		2310	N	190	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
Н	28	218	33E	100 P 3 C 3 C 3 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C	2260	N	330	E	Lea
12. Dedicated Ac			13. Joint or Infill	AL .	14. Consolidation Code			15. Order No.	
160.0	0								

## 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: 4/4/2014

## 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: Chad Harcrow
Date of Survey: 2/5/2013
Certificate Number: 17777

Form APD Comments

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(675) 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

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-8178 Fax:(505) 334-8170 <u>District IV</u>

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

Permit 184169

## **PERMIT COMMENTS**

Operator Name and Address:	API Number:
COG OPERATING LLC [229137]	30-025-41772
One Concho Center	Well:
Midland, TX 79701	WARBLER STATE #002H

Created By	Comment	Comment Date
150 Out 5 Colores	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.	4/4/2014
	Well location in the POTASH AREA. Requires response from the Bureau of Land Management and the State Land Office. Notice letters advising them of the APD sent by OCD Hobbs office.	4/4/2014
DMULL	Responses back from BLM & SLO, location of well is not in the Potash area.	4/9/2014

Form APD Conditions

District 1
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 383-6161 Fax:(575) 383-0720
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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

Permit 184169

# PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
COG OPERATING LLC [229137]	30-025-41772
One Concho Center	Well:
Midland, TX 79701	WARBLER STATE #002H

OCD Reviewer	Condition
DMULL	Well location in the POTASH AREA. Requires responses from the Bureau of Land Management and the State Land office. Notice letter advising them of this APD sent by the OCD Hobbs office.
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	1) SURFACE & INTERNEMIATE CASING - Cement must circulate to surface 2) PRODUCTION CASING - Cement must tie back into intermediate casing
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water