

**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 144922

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

1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND, TX 79701		2. OGRID Number 229137
		3. API Number 30-025-40714
4. Property Code 38601	5. Property Name CORAZON STATE UNIT	6. Well No. 001H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	3	21S	33E	P	100	S	330	E	LEA

**8. Pool Information**

WILDCAT G-08 S213304D;BONE SPRING	97895
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3818
14. Multiple N	15. Proposed Depth 18919	16. Formation 3rd Bone Spring Sand	17. Contractor	18. Spud Date 2/29/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1750	1100	
Int1	12.25	9.625	40	5500	1400	
Prod	7.875	5.5	17	18919	2950	5300

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 1750' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5500' with Brine, and run 9-5/8", 40# J55/N80 and cement to surface. Drill 7-7/8" hole with cut brine to 12,000', run logs and plug back. Kick off and drill 7-7/8" curve and lateral to approx 18,919' MD. Run 5-1/2", 17#, P-110 csg and cement to 5300' in 1 stage.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Paul Kautz	
Printed Name: Electronically filed by Diane Kuykendall	Title: Geologist	
Title: Production Reporting Mgr	Approved Date: 8/7/2012	Expiration Date: 8/7/2014
Email Address: dkuykendall@conchoresources.com		
Date: 8/7/2012	Phone: 432-683-7443	Conditions of Approval Attached

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**1220 S. St Francis Dr.**  
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Form C-102  
 August 1, 2011  
 Permit 144922

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-40714	2. Pool Code 97895	3. Pool Name WILDCAT G-08 S213304D;BONE SPRING
4. Property Code 38601	5. Property Name CORAZON STATE UNIT	
6. Well No. 001H		
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3818

**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	3	21S	33E		100	S	330	E	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
A	3	21S	33E	9	330	N	380	E	LEA

12. Dedicated Acres 239.92	13. Joint or Infill	14. Consolidation Code	15. Order No.
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**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**

	<p><b>OPERATOR CERTIFICATION</b></p> <p><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></p> <p>E-Signed By: Diane Kuykendall          Title: Production Reporting Mgr          Date: 8/7/2012</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p><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></p> <p>Surveyed By: Ronald Eidson          Date of Survey: 1/30/2012          Certificate Number: 12641</p>

# Permit Comments

Operator: COG OPERATING LLC , 229137

Well: CORAZON STATE UNIT #001H

API: 30-025-40714

Created By	Comment	Comment Date
mreyes1	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.	2/29/2012
pkautz	Land s/S	2/29/2012
pkautz	Well is located in potash Area R-111-P	2/29/2012
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT # P1-05026	8/7/2012

# Permit Conditions of Approval

**Operator:** COG OPERATING LLC , 229137

**Well:** CORAZON STATE UNIT #001H

**API:** 30-025-40714

<b>OCD Reviewer</b>	<b>Condition</b>
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