

**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 140793

**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 30-025-40388
4. Property Code 38956	5. Property Name KING COBRA 2 STATE	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
A	2	19S	34E	1	330	N	330	E	LEA

**8. Pool Information**

SCHARB;BONE SPRING	55610
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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 3969
14. Multiple N	15. Proposed Depth 15118	16. Formation 3rd Bone Spring Sand	17. Contractor	18. Spud Date 12/14/2011
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	1900	1500	
Int1	12.25	9.625	36	3550	850	
Prod	7.875	5.5	17	15118	1400	3350

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 1900' with FW. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 3550' with brine, and run 9-5/8", 36#, BUTT and cement to surface. Drill 7-7/8" hole with cut brine to 10,950'. Run logs, plug back to kick off and drill lateral to 15,118' MD. Run 5-1/2", 17#, P-110 csg and cement to 3350'.

**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"/> . Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: dkuykendall@conchoresources.com Date: 11/30/2011      Phone: 432-683-7443	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 12/22/2011	Expiration Date: 12/22/2013
	Conditions of Approval Attached	

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**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 140793

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-40388	2. Pool Code 55610	3. Pool Name SCHARB;BONE SPRING
4. Property Code 38956	5. Property Name KING COBRA 2 STATE	6. Well No. 001H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3969

**10. Surface Location**

UL - Lot A	Section 2	Township 19S	Range 34E	Lot Idn	Feet From 330	N/S Line N	Feet From 330	E/W Line E	County LEA
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**11. Bottom Hole Location If Different From Surface**

11. Bottom Hole Location If Different From Surface									
UL - Lot P	Section 2	Township 19S	Range 34E	Lot Idn P	Feet From 330	N/S Line S	Feet From 380	E/W Line E	County LEA
12. Dedicated Acres 163.81		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**

	<b>OPERATOR CERTIFICATION</b>	
	<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 Reporting Mgr Date: 11/30/2011	
	<b>SURVEYOR CERTIFICATION</b>	
<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: Filimon Jaramillo Date of Survey: 11/11/2011 Certificate Number: PLS12797		

## Permit Comments

**Operator:** COG OPERATING LLC , 229137

**Well:** KING COBRA 2 STATE #001H

**API:** 30-025-40388

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.	11/30/2011
pkautz	Land s/S	12/2/2011
pkautz	Scharb;Bone Spring pool special pool rules 150' Center of Q/Q. Stand off required is 510' from project area boundry	12/2/2011
DMULL	OCD Hobbs office has received form C-144CLEZ. OCD Permit Number P1-04039.	12/22/2011



# Permit Conditions of Approval

**Operator:** COG OPERATING LLC , 229137

**Well:** KING COBRA 2 STATE #001H

**API:** 30-025-40388

OCD Reviewer	Condition
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	Will require administrative order for non-standard location