

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
HOBBS OCD
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011

Permit 156696

OCT 24 2012

RECEIVED

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

1 Operator Name and Address COG OPERATING LLC One Concho Center Midland, TX 79701		2 OGRID Number 229137 3 API Number 30-025-40833
4 Property Code 39521	5 Property Name HAUMEA STATE	6 Well No 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	36	19S	35E	B	330	N	1980	E	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
<i>✗</i> 10	36	19S	35E	O	330	S	1980	E	Lea

9. Pool Information

PEARL;BONE SPRING, SOUTH	49685
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Additional Well Information

11 Work Type New Well	12 Well Type OIL	13 Cable/Rotary	14 Lease Type State	15 Ground Level Elevation 3668
16 Multiple N	17 Proposed Depth 14485	18 Formation 2nd Bone Spring Sand	19 Contractor	20 Spud Date 10/30/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

21. 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	1740	1100	
IntI	12.25	9.625	36	3450	850	
Prod	7.875	5.5	17	14485	2000	3250

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 1740' with FW. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 3450' with brine, and run 9-5/8", 36#, STC and cement to surface. Drill 7-7/8" hole with cut brine to 11,700'. Run logs, plug back to kick off and drill lateral to 14,485 MD. Run 5-1/2", 17#, P-110 csg and cement to 3250'.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

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.

OIL CONSERVATION DIVISION

Approved By: ELIDIO GONZALES

OCT 24 2012

dm

Signature:	
Printed Name: Electronically filed by Diane Kuykendall	Title: HOBBS STAFF MANAGER
Title: Production Reporting Mgr	Approved Date: 10/23/2012 Expiration Date: 10/23/2014
Email Address: dkuykendall@conchoresources.com	
Date: 10/22/2012 Phone: 432-683-7443	Conditions of Approval Attached