

**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 157618

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

1. Operator Name and Address COG PRODUCTION, LLC 550 W. Texas Avenue, Suite 100 Midland, TX 79701		2. OGRID Number 217955
		3. API Number 30-025-40857
4. Property Code 39538	5. Property Name BEBIDAS STATE	6. Well No. 004H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	16	23S	33E	P	388	S	380	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
A	16	23S	33E	A	330	N	380	E	Lea

**9. Pool Information**

CRUZ,BONE SPRING	14865
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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 3716
16. Multiple N	17. Proposed Depth	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 11/16/2012
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	1350	900	
Int1	12.25	9.625	36	5100	1100	
Prod	7.875	5.5	17	15521	2200	4900

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 1350' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5100' with Brine, and run 9-5/8", 36#/40#, J55 and cement to surface. Drill 7-7/8" pilot hole to 12,400' to run OH logs, then plug back to kick off and drill a 7-7/8" curve and lateral with cut brine to approx 15,521' MD. Run 5-1/2", 17#, P-110 csg and cement to 4900' in 1 stage.

**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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by DIANE KUYKENDALL Title: Production Reporting Manager Email Address: dkuykendall@concho.com Date: 11/7/2012	<b>OIL CONSERVATION DIVISION</b> Approved By: ELIDIO GONZALES Title: HOBBS STAFF MANAGER Approved Date: 11/8/2012   Expiration Date: 11/8/2014 Conditions of Approval Attached
Phone: 432-685-4372	

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Form C-102  
August 1, 2011  
Permit 157618

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-40857	2. Pool Code 14865	3. Pool Name CRUZBONE SPRING
4. Property Code 39538	5. Property Name BEBIDAS STATE	6. Well No. 004H
7. OGRID No. 217955	8. Operator Name COG PRODUCTION, LLC	9. Elevation 3716

**10. Surface Location**

UL - Lot P	Section 16	Township 23S	Range 33E	Lot Idn	Feet From 388	N/S Line S	Feet From 380	E/W Line E	County LEA
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**11. Bottom Hole Location If Different From Surface**

UL - Lot A	Section 16	Township 23S	Range 33E	Lot Idn A	Feet From 330	N/S Line N	Feet From 380	E/W Line E	County 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 THE DIVISION**

<table border="1" style="width: 100%; border-collapse: collapse; height: 200px;"> <tr><td style="width: 25%; height: 50px;"></td><td style="width: 25%; height: 50px;"></td><td style="width: 25%; height: 50px;"></td><td style="width: 25%; height: 50px; background-color: #cccccc; text-align: center; vertical-align: middle;">■</td></tr> <tr><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px; background-color: #cccccc;"></td></tr> <tr><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px; background-color: #cccccc;"></td></tr> <tr><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px; background-color: #cccccc; text-align: center; vertical-align: middle;">●</td></tr> </table>				■												●	<p style="text-align: center;"><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 Manager Date: 11/7/2012</p> <hr/> <p style="text-align: center;"><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: Jeffrey Hudson Date of Survey: 7/2/2012 Certificate Number: 20559</p>
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			●														

## Permit Comments

**Operator:** COG PRODUCTION, LLC , 217955

**Well:** BEBIDAS STATE #004H

**API:** 30-025-40857

Created By	Comment	Comment Date
matyereyes	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.	11/7/2012
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT # P1-05422	11/8/2012



# Permit Conditions of Approval

**Operator:** COG PRODUCTION, LLC , 217955

**Well:** BEBIDAS STATE #004H

**API:** 30-025-40857

OCD Reviewer	Condition
CHERRERA	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
CHERRERA	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