

**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 164286

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

1. Operator Name and Address COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701		2. OGRID Number 217955
4. Property Code 38348		3. API Number 30-015-41210
5. Property Name COPPERHEAD FEE A		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
F	31	26S	29E	3	300	S	1965	W	EDDY

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	30	26S	29E	F	1650	N	1750	W	Eddy

**9. Pool Information**

WILDCAT G-03 S262932E;BONE SPRING	97876
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 2914
16. Multiple N	17. Proposed Depth 14060	18. Formation Bone Spring	19. Contractor	20. Spud Date 3/25/2013
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	48	300	350	
Int1	12.25	9.625	36	2500	850	
Prod	7.875	5.5	17	14060	1900	2300

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 300' with FW. Run 13-3/8", 48#, H-40 csg and cmt to surface. Drill 12-1/4" hole to 2500' with brine, and run 9-5/8", 36#, J-55 and cement to surface. Drill 7-7/8" hole with cut brine to 14,060' MD to run 5-1/2", 17#, P-110 csg and cement to 2300'.

**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	<b>OIL CONSERVATION DIVISION</b> Approved By: Randy Dade Title: District Supervisor Approved Date: 3/19/2013    Expiration Date: 3/19/2015 Email Address: dkuykendall@concho.com Date: 3/18/2013    Phone: 432-685-4372    Conditions of Approval Attached
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 164286

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-41210	2. Pool Code 97876	3. Pool Name WILDCAT G-03 S262932E;BONE SPRING
4. Property Code 38348	5. Property Name COPPERHEAD FEE A	6. Well No. 004H
7. OGRID No. 217955	8. Operator Name COG PRODUCTION, LLC	9. Elevation 2914

**10. Surface Location**

UL - Lot F	Section 31	Township 26S	Range 29E	Lot Idn 3	Feet From 300	N/S Line S	Feet From 1965	E/W Line W	County EDDY
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**11. Bottom Hole Location If Different From Surface**

UL - Lot F	Section 30	Township 26S	Range 29E	Lot Idn F	Feet From 1650	N/S Line N	Feet From 1750	E/W Line W	County EDDY
12. Dedicated Acres 183.75		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**

<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: 3/18/2013</p>	<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: Chad Harcrow Date of Survey: 1/10/2013 Certificate Number: 17777</p>
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## Permit Comments

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

**Well:** COPPERHEAD FEE A #004H

**API:** 30-015-41210

Created By	Comment	Comment Date
matyereyes	Plan to drill a 17-1/2" hole to 300' with FW. Run 13-3/8", 48#, H-40 csg and cmt to surface. Drill 12-1/4" hole to 2500' with brine, and run 9-5/8", 36#, J-55 and cement to surface. Drill 7-7/8" hole with cut brine to 14,060' MD to run 5-1/2", 17#, P-110 csg and cement to 2300'.	3/18/2013
CSHAPARD	Land f/P	3/19/2013

## Permit Conditions of Approval

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

**Well:** COPPERHEAD FEE A #004H

**API:** 30-015-41210

OCD Reviewer	Condition
CSHAPARD	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