

**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 156607

**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 30-015-40816
4. Property Code 38527	5. Property Name DIAMONDBACK 22 STATE COM
	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
C	22	26S	28E	C	20	N	1393	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
A	22	26S	28E	N	330	S	1493	W	Eddy

**9. Pool Information**

HAY HOLLOW;BONE SPRING	30215
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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 2993
16. Multiple N	17. Proposed Depth 12712	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 10/22/2012
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	48	390	415	
Int1	12.25	9.625	36	2450	830	
Prod	7.875	5.5	17	12712	1890	1950

**Casing/Cement Program: Additional Comments**

Drill 17-1/2" hole to ~390' w/ fresh water spud mud. Run 13-3/8" 48# H40 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 2% CaCl2 to cement to surface, if necessary. Drill 12-1/4" hole to ~2450' with saturated brine water. Run 9-5/8" 36# J55 LTC casing to TD and cement to surface in one stage. Drill 7-7/8" vertical hole, curve, and lateral to 12712' with cut brine. Run 5-1/2" 17# P110 LTC casing to TD and cement to 1950' (500' overlap) in one 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 ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

Printed Name: Electronically filed by DIANE KUYKENDALL

Title: Production Reporting Manager

Email Address: dkuykendall@concho.com

Date: 10/18/2012

Phone: 432-685-4372

**OIL CONSERVATION DIVISION**

Approved By: Randy Dade

Title: District Supervisor

Approved Date: 10/23/2012 | Expiration Date: 10/23/2014

Conditions of Approval Attached

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Form C-102  
August 1, 2011  
Permit 156607

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-40816	2. Pool Code 30215	3. Pool Name HAY HOLLOW;BONE SPRING
4. Property Code 38527	5. Property Name DIAMONDBACK 22 STATE COM	6. Well No. 004H
7. OGRID No. 217955	8. Operator Name COG PRODUCTION, LLC	9. Elevation 2993

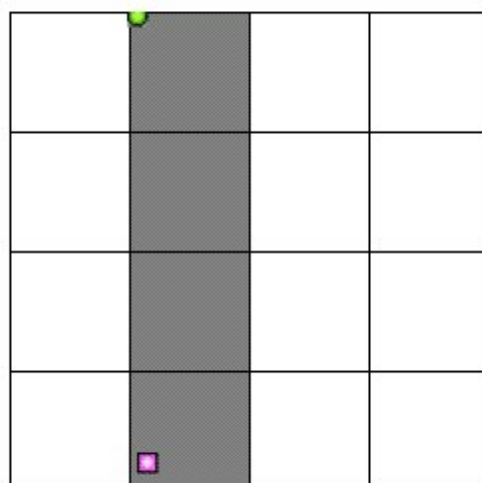
**10. Surface Location**

UL - Lot C	Section 22	Township 26S	Range 28E	Lot Idn	Feet From 20	N/S Line N	Feet From 1393	E/W Line W	County EDDY
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**11. Bottom Hole Location If Different From Surface**

11. Bottom Hole Location If Different From Surface									
UL - Lot N	Section 22	Township 26S	Range 28E	Lot Idn N	Feet From 330	N/S Line S	Feet From 1493	E/W Line W	County EDDY
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**



**OPERATOR CERTIFICATION**

*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.*

E-Signed By: DIANE KUYKENDALL  
Title: Production Reporting Manager  
Date: 10/18/2012

**SURVEYOR CERTIFICATION**

*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.*

Surveyed By: Gary Jones  
Date of Survey: 6/27/2012  
Certificate Number: 7977



## Permit Comments

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

**Well:** DIAMONDBACK 22 STATE COM #004H

**API:** 30-015-40816

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.	10/18/2012
CSHAPARD	Land s/S	10/23/2012

# Permit Conditions of Approval

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

**Well:** DIAMONDBACK 22 STATE COM #004H

**API:** 30-015-40816

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