

**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 187559

**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 38527		3. API Number 30-015-42432
5. Property Name DIAMONDBACK 22 STATE COM		6. Well No. 005H

**7. Surface Location**

UL - Lot A	Section 22	Township 26S	Range 28E	Lot Idn	Feet From 170	N/S Line N	Feet From 990	E/W Line E	County Eddy
---------------	---------------	-----------------	--------------	---------	------------------	---------------	------------------	---------------	----------------

**8. Proposed Bottom Hole Location**

UL - Lot P	Section 22	Township 26S	Range 28E	Lot Idn P	Feet From 330	N/S Line S	Feet From 510	E/W Line E	County Eddy
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	------------------	---------------	----------------

**9. Pool Information**

HAY HOLLOW;BONE SPRING	30215
------------------------	-------

**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 2984
16. Multiple N	17. Proposed Depth 12683	18. Formation Bone Spring	19. Contractor	20. Spud Date 6/19/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	450	450	
Int1	12.25	9.625	36	2570	850	
Prod	7.875	5.5	17	12683	2000	

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 450' with Fresh Water. Run 13-3/8", 48#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 2570' with Brine, and run 9-5/8", 36#, J-55 and cement to surface. Drill 7-7/8" hole to Kick Off Point (appx. 7628' MD), curve and lateral with cut brine to approximately 12,683' MD/8105' TVD. Run 5-1/2", 17#, P-110 csg and cement to surface'.



**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	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:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by DIANE KUYKENDALL	Approved By: Randy Dade
Title: Production Reporting Manager	Title: District Supervisor
Email Address: dkuykendall@concho.com	Approved Date: 6/17/2014      Expiration Date: 6/17/2016
Date: 6/12/2014      Phone: 432-685-4372	Conditions of Approval Attached

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

Permit 187559

**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: **6/12/2014**

**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: **Chad Harcrow**  
Date of Survey: **5/13/2014**  
Certificate Number: **17777**

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-8161 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 APD Comments  
  
 Permit 187559

**PERMIT COMMENTS**

Operator Name and Address: COG PRODUCTION, LLC [217955] 600 W. Illinois Ave Midland, TX 79701	API Number: 30-015-42432
	Well: DIAMONDBACK 22 STATE COM #005H

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.	6/12/2014
CSHAPARD	Land s/s	6/12/2014

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 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 APD Conditions  
Permit 187559

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: COG PRODUCTION, LLC [217955] 600 W. Illinois Ave Midland, TX 79701	API Number: 30-015-42432
	Well: DIAMONDBACK 22 STATE COM #005H

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
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