

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) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 188983

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
4. Property Code 40339		3. API Number 30-015-42497
5. Property Name Craig State		6. Well No. 005H

7. Surface Location

UL - Lot	A	Section	36	Township	25S	Range	26E	Lot Idn		Feet From	190	N/S Line	N	Feet From	660	E/W Line	E	County	Eddy
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8. Proposed Bottom Hole Location

UL - Lot	P	Section	36	Township	25S	Range	26E	Lot Idn	P	Feet From	330	N/S Line	S	Feet From	660	E/W Line	E	County	Eddy
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9. Pool Information

WILDCAT G-03 S252636M;BONE SPRING	97818
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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 3265
16. Multiple N	17. Proposed Depth 11694	18. Formation Bone Spring	19. Contractor	20. Spud Date 7/19/2014
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	420	450	
Int1	12.25	9.625	36	1960	750	
Prod	8.75	5.5	17	11694	1900	1700

Casing/Cement Program: Additional Comments

Drill 17 1/2" hole to 420' with fresh water. Run 13 3/8", 48#, H40 csg and cement to surface. Drill 12 1/4" hole to 1960' with Brine water. Run 9 5/8" 36#, J55 csg and cement to surface. Drill 8 3/4" hole with Fresh water/Cut Brine to approximately to 6899', kick off and drill 8 3/4" curve to approx. 7720' MD/ 7420' TVD (EOC) , reduce hole size to 7 7/8" and drill lateral with Cut Brine to 11964' MD/ 7400' TVD. Run 5 1/2" 17#, P110 csg and cement to 1700' .

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 ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: dkuykendall@conchoresources.com Date: 7/11/2014	Approved By: Randy Dade Title: District Supervisor Approved Date: 7/11/2014 Expiration Date: 7/11/2016 Conditions of Approval Attached

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Form C-102
August 1, 2011
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WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-42497	2. Pool Code 97818	3. Pool Name WILDCAT G-03 S252636M;BONE SPRING
4. Property Code 40339	5. Property Name Craig State	6. Well No. 005H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3265

10. Surface Location

UL - Lot A	Section 36	Township 25S	Range 26E	Lot Idn	Feet From 190	N/S Line N	Feet From 660	E/W Line E	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot P	Section 36	Township 25S	Range 26E	Lot Idn	Feet From 330	N/S Line S	Feet From 660	E/W Line E	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

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Form APD Comments

Permit 188983

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-42497
		Well: Craig State #005H
Created By	Comment	Comment Date
mreyes1	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.	7/10/2014
CSHAPARD	Land s/S	7/11/2014

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Form APD Conditions

Permit 188983

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-42497
		Well: Craig State #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	