

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 198213

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 314091		3. API Number 30-015-42894
5. Property Name Chaka State		6. Well No. 003H

7. Surface Location

UL - Lot	N	Section	26	Township	23S	Range	27E	Lot Idn	Feet From	190	N/S Line	S	Feet From	1980	E/W Line	W	County	Eddy
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8. Proposed Bottom Hole Location

UL - Lot	C	Section	26	Township	23S	Range	27E	Lot Idn	C	Feet From	660	N/S Line	N	Feet From	1980	E/W Line	W	County	Eddy
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9. Pool Information

FOREHAND RANCH;WOLFCAMP (GAS)	76780
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3148
16. Multiple N	17. Proposed Depth 14575	18. Formation Wolfcamp	19. Contractor	20. Spud Date 1/21/2015
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	400	
Int1	12.25	9.625	36	2275	1500	
Int2	8.75	7	29	9400	1100	
Prod	6.125	4.5	13.5	14575	700	8900

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 2275' with Brine, and run 9-5/8", 36#, J55 csg and cement to surface. Drill 8-3/4" vertical with cut brine to approx 9400' and run 7" 29# HCP110 LTC csg and cement to surface. Drill a 6-1/8" pilot hole to 10,400' to run OH logs. Plug back pilot hole with cement to kick off and drill a 6-1/8" curve and lateral to 14,575' MD with OBM and run a 4-1/2", 13.5#, P-110 liner and cement to top of liner @ approx 8900'.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	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 Mgr Email Address: production@concho.com Date: 1/14/2015	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 1/15/2015 Expiration Date: 1/15/2017 Conditions of Approval Attached
Phone: 432-683-7443	

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

1. API Number 30-015-42894	2. Pool Code 76780	3. Pool Name FOREHAND RANCH;WOLFCAMP (GAS)
4. Property Code 314091	5. Property Name Chaka State	6. Well No. 003H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3148

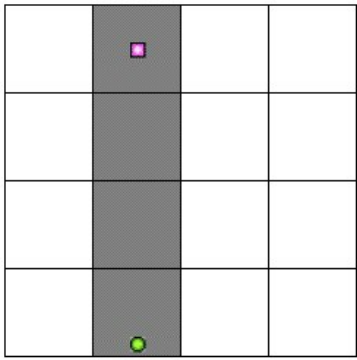
10. Surface Location

UL - Lot N	Section 26	Township 23S	Range 27E	Lot Idn	Feet From 190	N/S Line S	Feet From 1980	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot C	Section 26	Township 23S	Range 27E	Lot Idn	Feet From 660	N/S Line N	Feet From 1980	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

	<p style="text-align: center;">OPERATOR CERTIFICATION</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 Mgr Date: 1/14/2015</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</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: 9/29/2014 Certificate Number: 17777</p>
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Form APD Comments

Permit 198213

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-015-42894
	Well: Chaka State #003H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 198213

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-015-42894
	Well: Chaka State #003H

OCD Reviewer	Condition
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