

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 233412

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 39075		3. API Number 30-015-44268
5. Property Name BURKETT 16 STATE		6. Well No. 012H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	16	17S	31E		1520	N	330	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
B	16	17S	31E	B	987	N	1330	E	Eddy

9. Pool Information

FREN; GLORIETA-YESO	26770
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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 3767
16. Multiple N	17. Proposed Depth 8695	18. Formation Paddock	19. Contractor	20. Spud Date 9/7/2017
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	0
Int1	12.25	9.625	40	1800	550	0
Prod	8.75	7	29	4700	0	0
Prod	7.875	5.5	17	8695	1600	0

Casing/Cement Program: Additional Comments

COG proposes to drill a 17-1/2" hole to 450' with 8.5ppg, 28 viscosity fresh water system. Set 13-3/8" casing and cement to surface. Drill a 12-1/4" hole to 1800' with a 10 ppg, 30 viscosity brine water mud system. Set 9-5/8" casing and cement to surface. Drill an 8-3/4" hole to 4775' MD and kick off and drill an 8-3/4" curve to 5603' MD. Drill a 7-7/8" lateral to new BHL @ 5190' TVD 8695' MD. Set tapered string 7" 29# L-80 & 5-1/2" 17# L-80 casing at TD and cement to surface.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	9500	

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:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Diane Kuykendall	Approved By: Raymond Podany
Title: Production Reporting Mgr	Title: Geologist
Email Address: production@concho.com	Approved Date: 6/15/2017 Expiration Date: 6/15/2019
Date: 6/14/2017 Phone: 432-683-7443	Conditions of Approval Attached

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Form C-102
August 1, 2011

Permit 233412

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-44268	2. Pool Code 26770	3. Pool Name FREN; GLORIETA-YESO
4. Property Code 39075	5. Property Name BURKETT 16 STATE	6. Well No. 012H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3767

10. Surface Location

UL - Lot E	Section 16	Township 17S	Range 31E	Lot Idn	Feet From 1520	N/S Line N	Feet From 330	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot B	Section 16	Township 17S	Range 31E	Lot Idn	Feet From 987	N/S Line N	Feet From 1330	E/W Line E	County Eddy
12. Dedicated Acres 120.00	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

<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"><div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc;"></div><div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 20px; color: red;">■</div><div style="position: absolute; top: 10%; left: 10%; font-size: 10px; color: green;">■</div></div>	<div style="text-align: center;">OPERATOR CERTIFICATION</div> <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: 6/14/2017</p> <div style="text-align: center; margin-top: 20px;">SURVEYOR CERTIFICATION</div> <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: Robert Howett Date of Survey: 2/24/2015 Certificate Number: 19680</p>
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Form APD Comments

Permit 233412

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-44268
		Well: BURKETT 16 STATE #012H
Created By	Comment	Comment Date
rodrom	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	3/16/2017

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Form APD Conditions

Permit 233412

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-44268
		Well: BURKETT 16 STATE #012H
OCD Reviewer	Condition	
RPodany	Will require a directional survey with the C-104	
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing	