

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form O-101
Revised July 18, 2013

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210	² OGRID Number 229137 ³ API Number 30-015-42433
⁴ Property Code 313355	⁵ Property Name Dump Yard 2 State ⁶ Well No 1H

⁷ Surface Location

UL - Lot M	Section 2	Township 21S	Range 28E	Lot Idn	Feet from 190	N/S Line South	Feet From 660	E/W Line West	County Eddy
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⁸ Proposed Bottom Hole Location

UL - Lot M 4	Section 2	Township 21S	Range 28E	Lot Idn	Feet from 330	N/S Line North	Feet From 380	E/W Line West	County Eddy
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⁹ Pool Information

Pool Name Fenton, Bone Spring, Northeast	Pool Code 24310 <input checked="" type="checkbox"/>
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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 3374.8'
¹⁶ Multiple N	¹⁷ Proposed Depth 15193'	¹⁸ Formation Bone Spring	¹⁹ Contractor	²⁰ Spud Date 6/17/2014
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
Surface	17.5	13.375	54.5	695'	650	
1" Intmd	12.25	9.625	36	2960	800	
Production	8.75	7	29	7500		
Production	8.75	5.5	17	8700		
Production	7.875	5.5	17	15193	2100	2700

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 695' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 2,960' with Brine, and run 9-5/8", 36#, J-55 and cement to surface. Drill 8-3/4" vertical and curve to 8,700'. Drill 7-7/8" lateral with cut brine to approx 15,193' MD. Run a 7", 29#, P110 by 5-1/2", 17#, P-110 tapered string of csg and cement to 2700'.

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 that I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature: *Mayte Reyes*

Printed name: Mayte Reyes

Title: Regulatory Analyst

E-mail Address: mreyes1@concho.com

Date: 6/11/2014

Phone: 575-748-6945

OIL CONSERVATION DIVISION

Approved By:

J. C. Shepard

Title:

"Geologist"

Approved Date: *6-13-2014* Expiration Date: *6-13-2016*

Conditions of Approval Attached

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 563-8141 Fax: (575) 563-0725

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1643 Fax: (575) 748-0780

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1820 S. ST. FRANCIS DR., SANTA FE, NM 87508
Phone: (505) 476-3440 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015- 42433	Pool Code 24310 /	Pool Name Fenton; Bone Spring, Northeast /
Property Code 313355	Property Name DUMP YARD 2 STATE	Well Number 1H
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3374.8'

Surface Location


UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	21-S	28-E		190	SOUTH	660	WEST	EDDY

Bottom Hole Location if Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	2	21-S	28-E		330	NORTH	380	WEST	EDDY

Dedicated Acres 227.09	Joint or Infill	Consolidation Code	Order No.
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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>Y=553908.6 N X=582569.3 E</p> <p>NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=553579.2 N X=582953.1 E LAT.=32.521611' N LONG.=104.064204' W</p>	<p>Y=553910.5 N X=583891.3 E</p> <table border="1"><tr><td>LOT 3</td><td>LOT 2</td><td>LOT 1</td></tr><tr><td>LOT 4</td><td>LOT 5</td><td>LOT 6</td></tr><tr><td>LOT 7</td><td>LOT 8</td><td>LOT 9</td></tr><tr><td>LOT 10</td><td>LOT 11</td><td>LOT 12</td></tr><tr><td>LOT 13</td><td>LOT 14</td><td>LOT 15</td></tr><tr><td>LOT 16</td><td>LOT 17</td><td>LOT 18</td></tr></table> <p>Y=546418.1 N X=582654.4 E</p> <p>Y=546421.2 N X=583975.2 E</p>	LOT 3	LOT 2	LOT 1	LOT 4	LOT 5	LOT 6	LOT 7	LOT 8	LOT 9	LOT 10	LOT 11	LOT 12	LOT 13	LOT 14	LOT 15	LOT 16	LOT 17	LOT 18	<p>OPERATOR CERTIFICATION I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by this division.</p> <p><i>Melanie J Parker</i> Signature Date Melanie J Parker Printed Name mparker@concho.com E-mail Address</p> <p>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.</p> <p>MAY 27, 2014 Date of Survey</p> <p>Signature & Seal of Professional Surveyor  Certificate No. CHAD HARGROW 17777 W.O. # 14-453 DRAWN BY: AM</p>
LOT 3	LOT 2	LOT 1																		
LOT 4	LOT 5	LOT 6																		
LOT 7	LOT 8	LOT 9																		
LOT 10	LOT 11	LOT 12																		
LOT 13	LOT 14	LOT 15																		
LOT 16	LOT 17	LOT 18																		