

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, Artec, 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 C-161
 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 APT Number 30-015-43092
⁴ Property Code 4011Z	⁵ Property Name SRO State Com	⁶ Well No 68H

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	17	26S	28E		200	North	690	East	Eddy

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	20	26S	28E		330	South	660	East	Eddy

⁹ Pool Information

Pool Name Hay Hollow; Bone Spring	Pool Code 30215
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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 3064.9'
¹⁶ Multiple N	¹⁷ Proposed Depth 18986'	¹⁸ Formation Bone Spring	¹⁹ Contractor	²⁰ Spud Date 5/15/2015
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
Surface	17.5	13.375	54.5	620'	505	
Intrmd	12.25	9.625	36	2460'	780	
Production	8.75	5.5	17	18986'	3520	

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to ~620' w/ fresh water spud mud. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 2% CaCl2 to cement to surface, if necessary.
 Drill 12-1/4" hole to ~2460' with saturated brine water. Run 9-5/8" 36# J55 LTC casing to TD and cement to surface in one stage.
 Drill 8-3/4" vertical hole, curve and lateral to 18986' with cut brine. Run 5-1/2" 17# P110 CDC BTC casing to TD and cement to surface in one stage.

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: 5/5/2015

Phone: 575-748-6945

OIL CONSERVATION DIVISION

Approved By: *JR Dade*

Title: *Dist #1 Supervisor*

Approved Date: *5-11-15*

Expiration Date: *5-11-17*

Conditions of Approval Attached

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 523-6101 Fax: (575) 363-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1823 Fax: (575) 748-0720

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

DISTRICT IV
1229 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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- 43092	Pool Code 30215	Pool Name Hay Hollow; Bone Spring
Property Code 40112	Property Name SRO STATE COM	Well Number 68H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3064.9

Surface Location

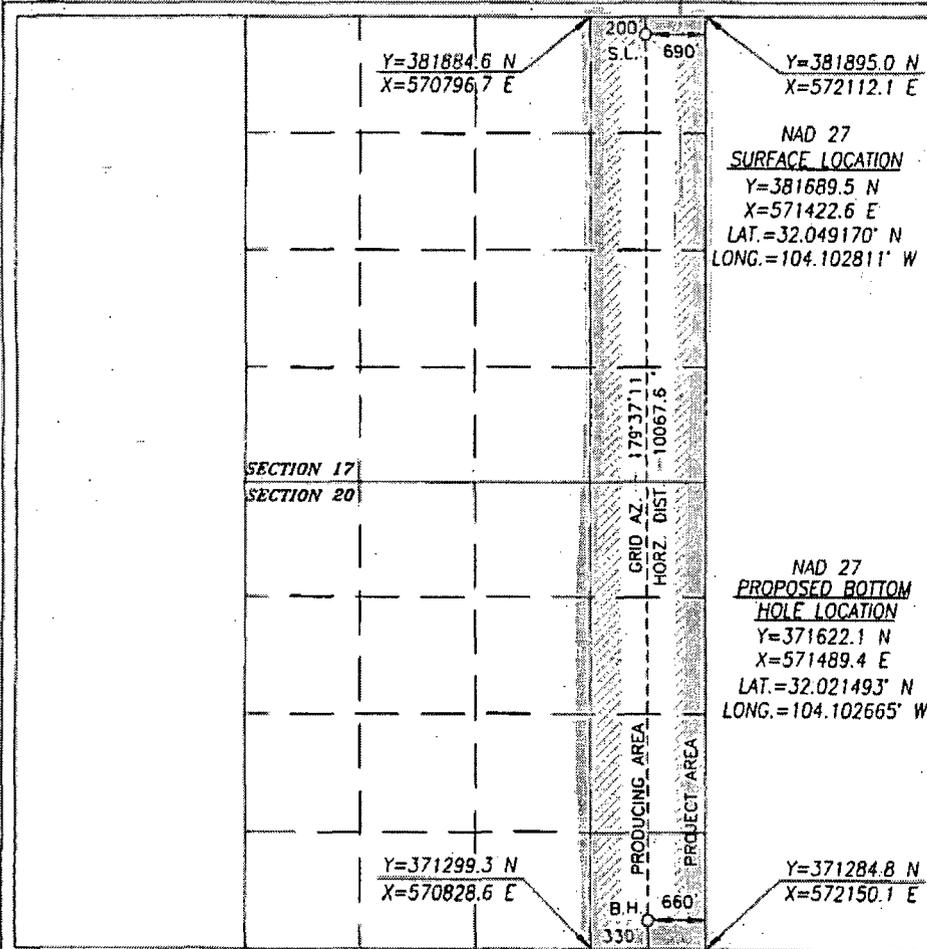
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	26-S	28-E		200	NORTH	690	EAST	EDDY

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
P	20	26-S	28-E		330	SOUTH	660	EAST	EDDY

Dedicated Acres 320	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



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 the division.

Mayte Reyes 5-5-15
Signature Date
Mayte Reyes
Printed Name
mreyes1@concho.com
E-mail Address

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.

DECEMBER 17, 2014
Date of Survey

Signature & Seal of Professional Surveyor

Chad L. Harcrow 1/5/15
Certificate No. CHAD HARCROW 17777
W.O. # 14-1249 DRAWN BY: AF

5/11/15
AOC

SRO State Com 68H

Casing and Cement

<u>String</u>	<u>Hole Size</u>	<u>Csg OD</u>	<u>PPF</u>	<u>Depth</u>	<u>Sx Cement</u>	<u>TOC</u>
Surface	17-1/2"	13-3/8"	54.5#	620'	505	0'
Intermediate	12-1/4"	9-5/8"	36#	2460'	780	0'
Production	8-3/4"	5-1/2"	17#	18986'	3520	0'

Well Plan

Drill 17-1/2" hole to ~620' w/ fresh water spud mud. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 2% CaCl₂ to cement to surface, if necessary.

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Well Control

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron