

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-6720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-5721

District III
1000 Rm 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 C-101
Revised July 14, 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 UGRID Number 229137
		³ API Number 30-015-43093
⁴ Property Code 40112	⁵ Property Name SRO State Com	
		⁶ Well No 69H

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	17	26S	28E		200'	North	1980'	West	Eddy

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	20	26S	28E		330'	South	1980'	West	Eddy

⁹ Pool Information

¹⁰ Pool Name Hay Hollow Bone Spring	¹¹ Pool Code 30215
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Additional Well Information

¹² Work Type New Well	¹³ Well Type Oil	¹⁴ Cable/Rotary	¹⁵ Lease Type State	¹⁶ Ground Level Elevation 3099.8'
¹⁷ Multiple N	¹⁸ Proposed Depth 18924'	¹⁹ Formation Bone Spring	²⁰ Contractor	²¹ Spud Date 5/13/2015
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

²² 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	
Intmid	12.25	9.625	36	2470'	785	
Production	8.75	5.5	17	18924'	3505	

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 -2470' 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 18924' with cut brine. Run 5-1/2" 17# P110 CDC BTC casing to TD and cement to surface in one stage.

²³ Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

²⁴ 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.		OIL CONSERVATION DIVISION	
Signature: <i>Mayte Reyes</i>		Approved By: <i>SR Dade</i>	
Printed name: Mayte Reyes		Title: <i>YST II Supervisor</i>	
Title: Regulatory Analyst		Approved Date: 5-11-15	Expiration Date: 5-11-2017
E-mail Address: mreycs1@concho.com			
Date: 5/5/2015	Phone: 575-748-6945	Conditions of Approval Attached	

NMOCD CASE Nos. 15441, 15481, 15482
NEX, SRO2 LLC AND SRO3 LLC
Exhibit No. 8
May 4, 2016

C 014091