

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) 748-1233 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6173 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 18, 2013
NM OIL CONSERVATION
ARTESIA DISTRICT
DEC 12 2018
RECEIVED

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

Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210 <i>229137</i>		OGRID Number 229137 API Number <i>30-015-45541</i>
Property Code <i>308269</i>	Property Name Way South State Com	Well No 701H

1. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
5	31	26S	28E		265'	South	630'	East	Eddy

2. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	19	26S	28E		200'	North	330'	East	Eddy

3. Pool Information

Pool Name	Pool Code
Purple Sage; Wolfcamp	98220

Additional Well Information

¹¹ Work Type New Well	¹² Well Type Oil	¹³ Cable/Rotary	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 3080.8'
¹⁶ Multiple N	¹⁷ Proposed Depth 21559'	¹⁸ Formation Wolfcamp	¹⁹ Contractor	²⁰ Spud Date 12/30/2018
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/lb	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17.5	13.375	54.5	500'	400	
Intemd	12.25	9.625	40	8580'	1925	
Production	8.5	5.5	17	21559'	3900	8000'

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 500' with Fresh Water into the Rustler to cover FW water depth. Run 13-3/8", 54.5# J-55 casing and cement to surface. 1st Intermediate - Drill 12-1/4" hole to 8580' with Brine, and run 9-5/8", 8580' of 40# N/L80 and cement to surface in one stage. Drill an 8-1/2" curve and lateral with Oil Based Mud (OBM) to approximately 21,559' MD. Run 5-1/2" 17# P110 casing to TD and cement in one stage bringing cement up to 8000' in one stage.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	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 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: 12/12/2018

Phone: 575-748-6945

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date: 12-14-18

Expiration Date: 12-14-20

Conditions of Approval Attached