

**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 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**

<b>Operator Name and Address</b> COG Operating LLC 2208 West Main Street Artesia, NM 88210		<b>OGRID Number</b> 229137 <b>API Number</b> 30-015-455-463
<b>Property Code</b> 308269	<b>Property Name</b> Way South State Corn	<b>Well No</b> 703H

**7. 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	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
A	19	26S	28E		200'	North	990'	East	Eddy

**9. 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 3081.9'
16 Multiple N	17 Proposed Depth 21529'	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	
Intermd	12.25	9.625	40	8580'	1925	
Production	8.5	5.5	17	21529'	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# NL80 and cement to surface in one stage. Drill an 8-1/2" curve and lateral with Oil Based Mud (OBM) to approximately 21,529' MD. Run 5-1/2" 17# P110 casing to TD and cement in one stage bringing cement up to 5000' 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:

*Raymond M. Bradley*

Title: *Geologist*

Approved Date: *12-14-18*

Expiration Date: *12-14-20*

Conditions of Approval Attached