

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) 748-9720
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 **NM OIL CONSERVATION**
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013
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		OGRID Number 229137
		API Number 30-015-455-43
Property Code 308269	Property Name Way South State Com	Well No 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 Purple Sage: Wolfcamp	Pool Code 98220
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Additional Well Information

Work Type New Well	Well Type Oil	Cable/Rotary	Lease Type State	Ground Level Elevation 3081.9'
Multiple N	Proposed Depth 21529'	Formation Wolfcamp	Contractor	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/ft	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	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: <i>Raymond M. Ordway</i>	
Title: <i>Geologist</i>	
Approved Date: <i>12-14-18</i>	Expiration Date: <i>12-14-20</i>
Conditions of Approval Attached	