

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

Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210		OGRID Number 229137
Property Code 308269		API Number 30-015-45546
Property Name Way South State Com		Well No 706H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N:S Line	Feet From	E/W Line	County
4	31	26S	28E		240'	South	1425'	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
B	19	26S	28E		200'	North	1980'	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 3099.5'
Multiple N	Proposed Depth 21774'	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

10. 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	8900'	2400	
Production	8.5	5.5	20	21774'	3400	8500'

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to 500' into the Rustler. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will set in Rustler and cover water depth. Drill 12-1/4" hole to ~8,900' with Brine. Run 9-5/8" 40# L-80 casing to TD and cement to surface in one stage. Drill 8-3/4" vertical hole, curve & lateral to 21,774' with Oil base mud. Run 5-1/2" 20# P110 BTC casing to TD and cement to 8,500' in one stage

11. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	Cameron

12. 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 N. Dodamy*
Title: *Geologist*
Approved Date: 12-14-18
Expiration Date: 12-14-20
Conditions of Approval Attached