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

1. Operator Name and Address	2. OGRID Number
COG Operating LLC 2208 West Main Street Artesia, NM 88210	229137
	3. API Number 30-015-45542

4. Property Code	5. Property Name	6. Well No.
308269	Way South State Com	702H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
H 5	31	26S	28E		265'	South	660'	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	660'	East	Eddy

9. Pool Information

Pool Name	Pool Code
Purple Sage; Wolfcamp	98220

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	Oil		State	3081.4'
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	21737'	Wolfcamp		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	
Intrmd	12.25	9.625	40	8750'	1975	
Production	8.5	5.5	17	21737'	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 8750' with Brine, and run 9-5/8", 8750' 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 21,737' 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.	OIL CONSERVATION DIVISION
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	Approved By: Raymond W. Dodaay
Printed name: Mayte Reyes	Title: Geology
Title: Regulatory Analyst	Approved Date: 12-14-18 / Expiration Date: 12-14-20
E-mail Address: mreyes1@concho.com	
Date: 12/12/2018 / Phone: 575-748-6945	Conditions of Approval Attached

Information for State APD for Way South State Com 702H 12.11.18

Proposed Depth **21,737'** MD.

Proposed Casing and Cement Program

TYPE	HOLE SIZE	CASING SIZE	CASING WT.	SETTING DEPTH	SACKS OF CEMENT	ESTIMATED TOC
SURF	17.5	13.375	54.5	500	400	0
INT 1	12.25	9.625	40	8750	1975	0
PROD	8.50	5.5	17	21,737	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 8750' with Brine, and run 9-5/8", 8750' 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 21,737' MD. Run 5-1/2" 17# P110 casing to TD and cement in one stage bringing cement up to 8000' in one stage.

PROPOSED BLOWOUT PREVENTION PROGRAM

12.25" Intermediate Section

On 13-3/8" Surface Casing, Install 3000 psi casing head, NU 13-5/8" Cameron BOP. Test annular and casing to 1500 psi and other BOP equipment to 3000 psi.

8.75" Production Section

On 9-5/8" Intermediate Casing, Install 5000 psi casing spool, NU 13-5/8" Cameron BOP. Test casing to 1500 psi. Test annular to 2500 psi and other BOP equipment to 5000 psi.

Thanks,

Alex