

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

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

OCD - HOBBS
09/26/2018
RECEIVED

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

¹ Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210		² OGRID Number 229137
⁴ Property Code 322447		³ API Number 30-025-45232
⁵ Property Name Huckleberry State Com		⁶ Well No 502H

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
B	27	21S	33E		145	North	1355	East	Lea

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
B	15	21S	33E		200	North	1650	East	Lea

⁹ Pool Information

Wildcat; Bone Spring	¹⁰ Pool Name WC-025 G-08 S213304D; BONE SPRING	¹¹ Pool Code 97895
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Additional Well Information

¹² Work Type New Well	¹³ Well Type Oil	¹⁴ Cable/Rotary	¹⁵ Lease Type State	¹⁶ Ground Level Elevation 3764.8'
¹⁷ Multiple N	¹⁸ Proposed Depth 21202'	¹⁹ Formation Bone Spring	²⁰ Contractor	²¹ Spud Date 10/01/2018
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

²² 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	1850'	1220	0'
Intemd	12.25	9.625	40	5400'	2000	0'
Production	8.75	5.5	17	21202'	3300	0'

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to ~1,850' w/ fresh water spud mud. Run 13-3/8" 54.5# J-55 BTC casing to TD and cement to surface in one stage. Drill 12-1/4" hole to ~5,400' with saturated brine. Run 9-5/8 40# J-55 BTC to 3500' and 9-5/8 40# L-80 BTC casing from 3500' to TD and cement to surface in two stages with DV/ECP 100' above reef. Drill 8-3/4" vertical hole, curve & lateral to 21,202' with cut brine. Run 5-1/2" 17# HCP110 BTC casing from TD to surface and cement to surface in one stage.

²³ Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

²⁴ 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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: <i>Mayte Reyes</i>		OIL CONSERVATION DIVISION Approved By: <i>[Signature]</i> Title:	
Printed name: Mayte Reyes			
Title: Regulatory Analyst		Approved Date: 09/27/2018 Expiration Date: 09/27/2020	
E-mail Address: mreyes1@concho.com			
Date: 9/26/2018	Phone: 575-748-6945	Conditions of Approval Attached	

GCP Rec 09/26/2018