

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

OCD - HOBBS
09/26/2018
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 322447 | | Property Name Huckleberry State Com |
| API Number 30-025-45234 | | Well No 504H |

7. Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| C | 27 | 21S | 33E | | 145 | North | 2630 | 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 |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| C | 15 | 21S | 33E | | 200 | North | 2310 | East | Lea |

9. Pool Information

| | | |
|----------------------|---|---------------------------|
| Wildcat; Bone Spring | Pool Name WC-025 G-08 S213304D; BONE SPRING | Pool Code 97895 |
|----------------------|---|---------------------------|

Additional Well Information

| | | | | |
|-----------------------|--|-----------------------------------|---------------------|-----------------------------------|
| Work Type New Well | Well Type Oil | Cable/Rotary | Lease Type State | Ground Level Elevation 3741.6' |
| Multiple N | Proposed Depth 21010' | Formation Bone Spring | Contractor | 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

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 | 1850' | 1220 | 0' |
| Intmrd | 12.25 | 9.625 | 40 | 5400' | 2000 | 0' |
| Production | 8.75 | 5.5 | 17 | 21010' | 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 21,010' with cut brine. Run 5-1/2" 17# HCP110 BTC casing from TD to surface and cement to surface in one stage.

22. Proposed Blowout Prevention Program

| Type | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 3000 | 3000 | 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: 9/26/2018

Phone: 575-748-6945

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date: **09/27/2018**

Expiration Date: **09/27/2020**

Conditions of Approval Attached

GCP Rec 09/26/2018