

**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

**HOBBS CCD**  
**SEP 13 2018**  
**RECEIVED**

*MIK*  
*SWAP*

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

<sup>1</sup> Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210		<sup>2</sup> OGRID Number 229137
		<sup>3</sup> API Number 30-025-8207
<sup>4</sup> Property Code 322-447	<sup>5</sup> Property Name Huckleberry State Com	<sup>6</sup> Well No 505H

**<sup>7</sup> Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	27	21S	33E		145	North	1200	West	Lea

**<sup>8</sup> 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	1650	West	Lea

**<sup>9</sup> Pool Information**

Wildcat; Bone Spring	<sup>10</sup> Pool Name WC-025 G-08 5213304D, B S	<sup>11</sup> Pool Code 97895
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**Additional Well Information**

<sup>12</sup> Work Type New Well	<sup>13</sup> Well Type Oil	<sup>14</sup> Cable/Rotary	<sup>15</sup> Lease Type State	<sup>16</sup> Ground Level Elevation 3716.1'
<sup>17</sup> Multiple N	<sup>18</sup> Proposed Depth 21003'	<sup>19</sup> Formation Bone Spring	<sup>20</sup> Contractor	<sup>21</sup> Spud Date 9/23/2018
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

**<sup>22</sup> 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	1825'	1220	0'
Intemd	12.25	9.625	40	5425'	2000	0'
Production	8.75	5.5	17	21003'	3300	0'

**Casing/Cement Program: Additional Comments**

Drill 17-1/2" hole to ~1,825' 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 ~5,425' 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 21,003' with cut brine. Run 5-1/2" 17# HCP110 BTC casing from TD to surface and cement to surface in one stage.

**<sup>23</sup> Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

<sup>24</sup> 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: 9/12/2018

Phone: 575-748-6945

**OIL CONSERVATION DIVISION**

Approved By: *[Signature]*

Title:

Approved Date: *09/18/18*

Expiration Date: *09/18/20*

Conditions of Approval Attached

*GCP Rec 9/13/18*  
*POTASH LETTER 9/17/18*  
*BLM POTASH OK 9/17/18*  
*NO POTASH OK 9/17/18*

# Huckleberry State Com 505H

## Casing and Cement

<u>String</u>	<u>Hole Size</u>	<u>Csg OD</u>	<u>PPF</u>	<u>Depth</u>	<u>Sx Cement</u>	<u>TOC</u>
Surface	17-1/2"	13-3/8"	54.5#	1825'	1220	0'
Intermediate	12-1/4"	9-5/8"	40#	5425'	2000	0'
Production	8-3/4"	5-1/2"	17#	21003'	3300	0'

## Well Plan

Drill 17-1/2" hole to ~1,825' 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 ~5,425' 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 21,003' with cut brine. Run 5-1/2" 17# HCP110 BTC casing from TD to surface and cement to surface in one stage.

## Well Control

<u>Type</u>	<u>Working Pressure</u>	<u>Test Pressure</u>	<u>Manufacture</u>
Double Ram	3000 psi	3000 psi	Cameron