

**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**

<sup>1</sup> Operator Name and Address <b>COG Operating LLC</b> <b>2208 West Main Street</b> <b>Artesia, NM 88210</b>		<sup>2</sup> OGRID Number <b>229137</b> <sup>3</sup> API Number <b>30-025-45231</b>
<sup>4</sup> Property Code <b>322447</b>	<sup>5</sup> Property Name <b>Huckleberry State Com</b> <sup>6</sup> Well No <b>501H</b>	

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

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	27	21S	33E		145	North	1325	East	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
A	15	21S	33E		200	North	990	East	Lea

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

<sup>10</sup> Pool Name <b>Wildcat; Bone Spring</b>	<sup>11</sup> Pool Code <b>97895</b>
--	---

**Additional Well Information**

<sup>12</sup> Work Type <b>New Well</b>	<sup>13</sup> Well Type <b>Oil</b>	<sup>14</sup> Cable/Rotary 	<sup>15</sup> Lease Type <b>State</b>	<sup>16</sup> Ground Level Elevation <b>3766.4'</b>
<sup>17</sup> Multiple <b>N</b>	<sup>18</sup> Proposed Depth <b>20624'</b>	<sup>19</sup> Formation <b>Bone Spring</b>	<sup>20</sup> Contractor 	<sup>21</sup> Spud Date <b>10/01/2018</b>
<sup>22</sup> Depth to Ground water		<sup>23</sup> Distance from nearest fresh water well		<sup>24</sup> Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**<sup>25</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	1850'	1220	0'
Intmd	12.25	9.625	40	5400'	2000	0'
Production	8.75	5.5	17	20624'	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 20,624' with cut brine. Run 5-1/2" 17# HCP110 BTC casing from TD to surface and cement to surface in one stage.

**<sup>26</sup> Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

<sup>27</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: 9/26/2018

Phone: 575-748-6945

**OIL CONSERVATION DIVISION**

Approved By: *[Signature]*

Title:

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

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

Conditions of Approval Attached

**GCP Rec 09/26/2018**