

**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) 334-6173 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**

<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 30-015-45541
<sup>4</sup> Property Code 308269	<sup>5</sup> Property Name Way South State Com	<sup>6</sup> Well No 701H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
5	31	26S	28E		265'	South	630'	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	330'	East	Eddy

**9. Pool Information**

<sup>9</sup> Pool Name Purple Sage; Wolfcamp	<sup>10</sup> Pool Code 98220
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**Additional Well Information**

<sup>11</sup> Work Type New Well	<sup>12</sup> Well Type Oil	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type State	<sup>15</sup> Ground Level Elevation 3080.8'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 21559'	<sup>18</sup> Formation Wolfcamp	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 12/30/2018
<sup>21</sup> Depth to Ground water		<sup>22</sup> Distance from nearest fresh water well		<sup>23</sup> 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	
Intemd	12.25	9.625	40	8580'	1925	
Production	8.5	5.5	17	21559'	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 8580' with Brine, and run 9-5/8", 8580' 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 21,559' 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

<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: 12/12/2018  
Phone: 575-748-6945

**OIL CONSERVATION DIVISION**

Approved By: *Raymond W. Rodaway*  
Title: *Geologist*  
Approved Date: *12-14-18* Expiration Date: *12-14-20*  
Conditions of Approval Attached