

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

HC-11111111
SEP 13 2018
RECEIVED
MIN 3
SURF P

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 30-025-45700
		Well No 506H

2. 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	1170	West	Lea

3. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	15	21S	33E		200	North	990	West	Lea

4. Pool Information

Wildcat, Bone Spring	Pool Name WC-025 G-08 5213304D; BS	Pool Code 98895
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Additional Well Information

11 Work Type New Well	12 Well Type Oil	13 Cable/Rotary	14 Lease Type State	15 Ground Level Elevation 3715.5'
16 Multiple N	17 Proposed Depth 21351'	18 Formation Bone Spring	19 Contractor	20 Spud Date 9/25/2018
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/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17.5	13.375	54.5	1825'	1220	0'
Intmd	12.25	9.625	40	5425'	2000	0'
Production	8.75	5.5	17	21351'	3350	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 21,351' 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: 9/12/2018

Phone: 575-748-6945

OIL CONSERVATION DIVISION

Approved By: *[Signature]*

Title: *Petroleum Engineer*

Approved Date: 09/18/18

Expiration Date: 09/18/20

Conditions of Approval Attached

OCAP Rec 9/13/18
POTASH LETTER 9/17/18
ALM POTASH OK 9/17/18
SLD POTASH OK 9/18/18

Huckleberry State Com 506H

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#	21351'	3350	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 21,351' 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