

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

REC 1/26/16

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

¹ Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210	² OGRID Number 229137 ³ API Number 30-025-43037	
⁴ Property Code 315757	⁵ Property Name Fascinator Fee Com	⁶ Well No 1H

⁷ Surface Location

UL - Lot P	Section 30	Township 24S	Range 35E	Lot Idn	Feet from 210'	N/S Line South	Feet From 1090'	E/W Line East	County Lea
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⁸ Proposed Bottom Hole Location

UL - Lot 1	Section 19	Township 24S	Range 35E	Lot Idn	Feet from 2310'	N/S Line South	Feet From 380'	E/W Line East	County Lea
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⁹ Pool Information

⁹ Pool Name WC-025 G-09 S243532M; : Bone Spring	⁹ Pool Code 98098
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Additional Well Information

¹¹ Work Type New Well	¹² Well Type Oil	¹³ Cable/Rotary	¹⁴ Lease Type Fee	¹⁵ Ground Level Elevation 3316'
¹⁶ Multiple N	¹⁷ Proposed Depth 19877'	¹⁸ Formation Bone Spring	¹⁹ Contractor	²⁰ Spud Date 2/15/2016
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	20	16	75	930'	1000	
Intrmd	13.5	10.75	45.5	5440'	1700	
Intrmd	9.875	7.625	19.7	11873'	1450	
Production	6.75	5.5 / 5	20 / 18	19877'	1350	

Casing/Cement Program: Additional Comments

Plan to drill a 20" hole to 930' with fresh water. Run 16", 75# J-55 csg and cmt to surface. Drill a 13.5" hole to 5440' with brine, and run 10.75" 45.5# HCN80 and cement to surface. Drill a 9.875" hole to 11,973' with cut brine, and run 7.625" 29.7# HCP110 and cmt to surface. Drill a 6.75" curve and lateral to 19,877' with OBM. Run 5-1/2" 20# P110 x 5" 18# P110 tapered production string and cement to surface.

²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	5000	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: **1/25/2016**

Phone: **575-748-6945**

OIL CONSERVATION DIVISION

Approved By:

Title: **Petroleum Engineer**

Approved Date: *01/26/16*

Expiration Date: *01/26/18*

Conditions of Approval Attached

See Attached

JAN 29 2016

Conditions of Approval

Fascinator Fee Com 1H

	Hole Size	Casing	Wt	Depth	Cmt	TOC
Surface	20	16	75	930'	1000	0
Intrmd	13.5	10.75	45.5	5,440'	1700	0
Intrmd	9.875	7.625	19.7	11,873'	1450	0
Prod	6.75	5.5 / 5	20 / 18	19,877'	1350	0

Plan to drill a 20" hole to 930' with fresh water. Run 16", 75# J-55 csg and cmt to surface. Drill a 13.5" hole to 5440' with brine, and run 10.75" 45.5# HCN80 and cement to surface. Drill a 9.875" hole to 11,973' with cut brine, and run 7.625" 29.7# HCP110 and cmt to surface. Drill a 6.75" curve and lateral to 19,877' with OBM. Run 5-1/2" 20# P110 x 5" 18# P110 tapered production string and cement to surface.

Well Control

Type	Pressure	Test	Manufacture
Double Ram	5000	5000	Cameron

CONDITIONS OF APPROVAL

API #	Operator	Well name & Number
30-025-43037	COG OPERATING LLC	FASCINATOR FEE # 001H

Applicable conditions of approval marked with XXXXXX

Administrative Orders Required

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Other wells

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Drilling

XXXXXXX	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

Casing

XXXXXXX	SURFACE & INTERMEDIATE(1) CASING - Cement must circulate to surface --
XXXXXXX	PRODUCTION CASING - Cement must tie back into intermediate casing --
XXXXXXX	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
	South Area
XXXXXXX	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water

Pits

XXXXXXX	If using a pit for drilling and completions, must have an approved pit form prior to spudding the well

Completion & Production

XXXXXXX	Will require a directional survey with the C-104

Stage Tool

XXXXXXX	Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186
XXXXXXX	If using Stage Tool on Surface casing, Stage Tool must be greater than 350' and a minimum 200 feet above surface shoe.
XXXXXXX	When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

Lost Circulation

XXXXXXX	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186