

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

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 30-015-42879
⁴ Property Code 308073	⁵ Property Name CCAP STATE COM ⁶ Well No 5H

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
I	16	22S	27E		2310'	South	300'	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
L	16	22S	27E		1980'	South	330'	West	Eddy

⁹ Pool Information

¹⁰ Pool Name Wildcat Bone Spring	¹¹ Pool Code 96403
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Additional Well Information

¹² Work Type None	¹³ Well Type Oil	¹⁴ Cable/Rotary	¹⁵ Lease Type State	¹⁶ Ground Level Elevation 3106.8'
¹⁷ Multiple N	¹⁸ Proposed Depth 11628'	¹⁹ Formation Bone Spring	²⁰ Contractor	²¹ Spud Date 12/31/2014
²² Depth to Ground water		²³ Distance from nearest fresh water well		²⁴ Distance to nearest surface water

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

²⁵ 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	48	250'	325	0
Intmd	12.25	9.625	40	1925'	675	0
Production	8.75	7.0	26	6704'	1025	0
Production	8.75	5.5	17	6704' - 7535'	250	0
Production	7.875	5.5	17	7535' - 11628'	1500	0

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to 250' with Fresh Water. Run 13-3/8", 48#, H-40 csg and cement to surface. Drill 12-1/4" hole to 1925' with Brine Water. Run 9-5/8", 40#, J-55 csg and cement to surface. Drill 8-3/4" hole with Fresh Water/Cut Brine to approximately 6704', kick off and drill 8-3/4" hole to end of curve (EOC) at approximately 7535' MD, 7225' TVD. Drill 7-7/8" lateral with Cut Brine to approximately 11,628' MD, 7125' TVD. Run 7" X 5 1/2" tapered production casing as follows: 7" 26# P110 LTC casing 0'-6704' and 5-1/2", 17#, P-110 LTC casing 6704'-11628' and cement to surface.

²⁶ Proposed Blowout Prevention Program

²⁷ Type Double Ram	²⁸ Working Pressure 3000	²⁹ Test Pressure 3000	³⁰ Manufacturer Cameron
³¹ 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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: <i>Mayte Reyes</i>		OIL CONSERVATION DIVISION	
Printed name: Mayte Reyes		Approved By: <i>[Signature]</i>	
Title: Regulatory Analyst		Title: <i>[Signature]</i>	
E-mail Address: mreyes1@concho.com		Approved Date: <i>12/23/2014</i> Expiration Date: <i>12/23/2016</i>	
Date: 12/23/2014	Phone: 575-748-6945	Conditions of Approval Attached	

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015 - 42879	Pool Code 96403	Pool Name Wildcat; Bone Spring
Property Code	Property Name CCAP ST COM	Well Number 5H
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3106.8

Surface Location

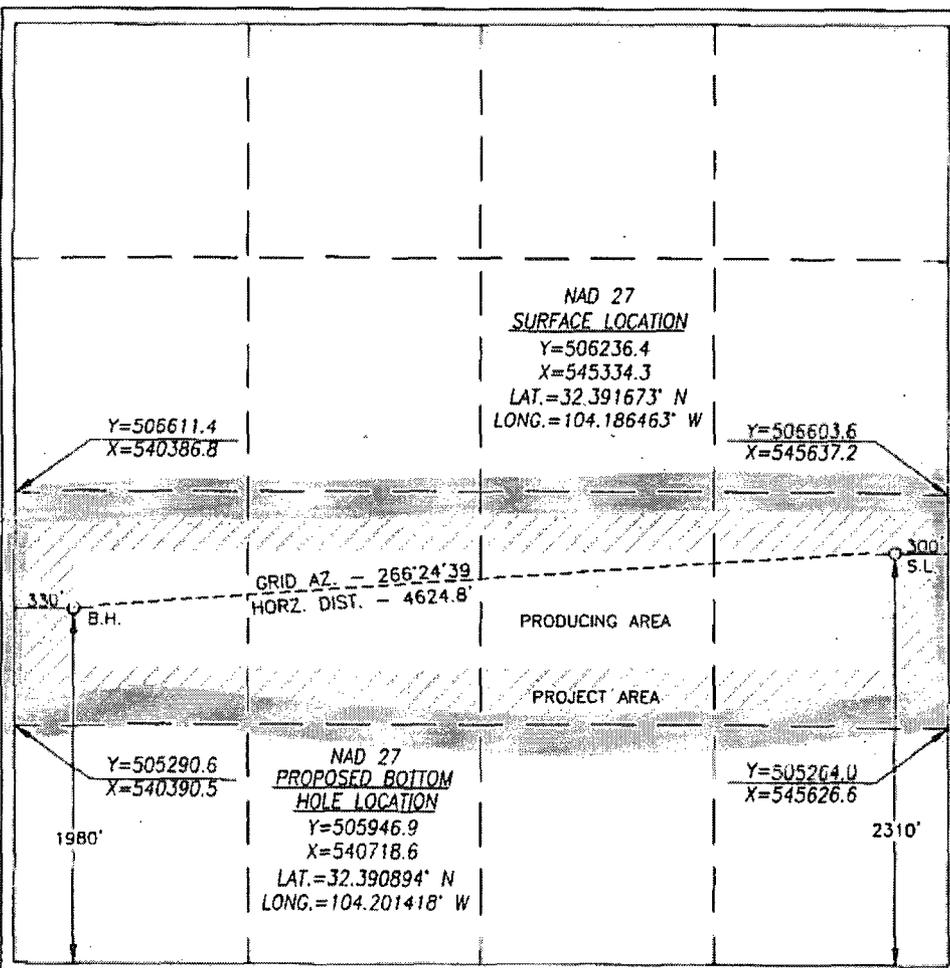
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	16	22-S	27-E		2310	SOUTH	300	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	16	22-S	27-E		1980	SOUTH	330	WEST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION
I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

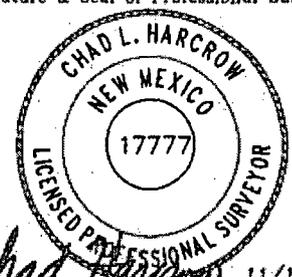
Mayte Reyes 12/23/14
Signature Date
Mayte Reyes
Printed Name
mreyes1@concho.com
E-mail Address

SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 23, 2014
Date of Survey

Signature & Seal of Professional Surveyor

Chad L. Harcrow 11/17/14
Certificate No. CHAD HARCROW 17777
W.O. # 14-1029 DRAWN BY: AF



CCAP State Com #5H

	Hole Size	Casing	Wt	Depth	Cmt	TOC
Surface	17.5	13.375	48	0-250'	325	0
Intrmd	12.25	9.625	40	0-1925'	675	0
Prod	8.75	7.0	26	0-6704'	1025	0
Prod	8.75	5.5	17	6704-7535'	250	0
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Well Control

Type	Pressure	Test	Manufacture
Double Ram	3000	3000	Cameron