

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, Artec, 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 Property Code 3/3366	⁴ Property Name Cookie Tossor State Com
⁵ API Number 30-015-42440	
⁶ Well No 2H	

7. Surface Location									
UL - Lot P	Section 9	Township 18S	Range 30E	Lot Idn	Feet from 260	N/S Line South	Feet From 1180	E/W Line East	County Eddy

8. Proposed Bottom Hole Location									
UL - Lot O	Section 16	Township 18S	Range 30E	Lot Idn	Feet from 330	N/S Line South	Feet From 2260	E/W Line East	County Eddy

9. Pool Information	
⁹ Pool Name Loco Hills; Bone Spring, East	¹⁰ Pool Code 39513

Additional Well Information				
¹¹ Work Type New Well	¹² Well Type Oil	¹³ Cable/Rotary	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 3484.4'
¹⁶ Multiple N	¹⁷ Proposed Depth 13350'	¹⁸ Formation Bone Spring	¹⁹ Contractor	²⁰ Spud Date 6/26/2014
²¹ Depth to Ground water		²² Distance from nearest fresh water well		²³ 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/lb	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17.5	13.375	54.5	400'	350	
Intemd	12.25	9.625	36	1900'	600	
Production	8.75	5.5	17	13350'	2200	1700

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 400' with Fresh Water. Run 13-3/8", 48#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 1900' with Brine, and run 9-5/8", 36# J-55 and cement to surface. Drill 8-3/4" curve and a 7-7/8" lateral with cut brine to approx 13,350' MD. Run 5-1/2", 17#, P-110 csg and cement to 1,700'.

21. Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

²⁴ 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) NMIC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMIC <input checked="" type="checkbox"/> if applicable. Signature: <i>Mayte Reyes</i> Printed name: Mayte Reyes Title: Regulatory Analyst E-mail Address: mreyes1@concho.com Date: 6/16/2014	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">OIL CONSERVATION DIVISION</th></tr> <tr> <td style="width: 50%;"> Approved By: <i>TC Shepard</i> </td><td style="width: 50%;"></td></tr> <tr> <td>Title:</td><td></td></tr> <tr> <td>Approved Date: 6-17-2014</td><td>Expiration Date: 6-17-2016</td></tr> <tr> <td colspan="2">Conditions of Approval Attached</td></tr> </table>	OIL CONSERVATION DIVISION		Approved By: <i>TC Shepard</i>		Title:		Approved Date: 6-17-2014	Expiration Date: 6-17-2016	Conditions of Approval Attached	
OIL CONSERVATION DIVISION											
Approved By: <i>TC Shepard</i>											
Title:											
Approved Date: 6-17-2014	Expiration Date: 6-17-2016										
Conditions of Approval Attached											

DISTRICT I
1025 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 343-6161 Fax: (505) 343-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1253 Fax: (505) 748-0720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6176 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

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- 42440	Pool Code 39513	Pool Name Loco Hills; Bone Spring, East
Property Code 313366	Property Name COOKIE TOSSER STATE COM	Well Number 2H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3484.4'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	9	18-S	30-E		260	SOUTH	1180	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
0	16	18-S	30-E		330	SOUTH	2260	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

	<p>NAD 27 <u>SURFACE LOCATION</u> Y=638676.6 N X=611173.8 E LAT.=32.755294° N LONG.=103.971707° W</p>	<p>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. <i>Melanie J Parker</i> Signature Date Melanie J Parker Printed Name mparker@concho.com E-mail Address</p>
	<p>NAD 27 <u>PROPOSED BOTTOM HOLE LOCATION</u> Y=633470.1 N X=610109.7 E LAT.=32.740993° N LONG.=103.975226° W</p>	<p>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. MAY 15, 2014 Date of Survey Signature & Seal of Professional Surveyor Certificate No. CHAD HARGROW 17777 W.O. # 14-409 DRAWN BY: AM</p>

Permit Conditions of Approval

API: 30-015-42440

Cookie Towner State Com #24

OCD Reviewer	Condition
CSHAPARD	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