

**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 Rd., Aztec, NM 87410  
Phone (505) 334-6178 Fax (505) 334-6170

**District IV**

1220 S St Francis Dr., Santa Fe, NM 87505  
Phone (505) 476-3470 Fax (505) 476-3462

**State of New Mexico****Energy, Minerals and Natural Resources****Oil Conservation Division****1220 S. St Francis Dr.****Santa Fe, NM 87505**

Form C-101  
August 1, 2011

Permit 149806

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

1 Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND, TX 79701		2 OGRID Number 229137
		3 API Number <b>30-015-40374</b>
4 Property Code 308045	5 Property Name CLUSTER STATE COM	6 Well No 003H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	16	26S	27E	E	1830	N	190	W	EDDY

**8. Pool Information**

WELCH;BONE SPRING	64010
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**Additional Well Information**

9 Work Type New Well	10 Well Type OIL	11 Cable/Rotary	12 Lease Type State	13 Ground Level Elevation 3304
14 Multiple N	15. Proposed Depth 12000	16 Formation 2nd Bone Spring Sand	17 Contractor	18 Spud Date 7/4/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26	20	57	60	50	0
Intl	12.25	9.625	36	2050	500	0
Prod	7.875	5.5	17	12000	1200	1800

**Casing/Cement Program: Additional Comments**

Plan to set and Readymix 20" 57# conductor pipe at 60'. Drill 12 1/4" hole to 2050' with brine water, set 9 5/8" 36# J-55 casing and cement to surface with 500 sx. Drill 7 7/8" hole to BHL with cut brine, run 5 1/2" 17# P110 casing and cement with 1200 sx.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

I hereby certify that the information given above is true and complete to the best of my knowledge and belief

I further certify that the drilling pit will be constructed according to NMOC guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐

Printed Name: **Metanie J Parker**

Title: **Regulatory Coordinator**

Email Address: **mparker@concho.com**

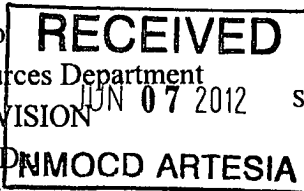
Date: **6/7/2012** Phone: **575-748-6940**

**OIL CONSERVATION DIVISION**Approved By: **T. C. Shepard**Title: **6/7/2012**Approved Date: **6/7/2012** Expiration Date: **6/7/2014****RECEIVED****JUN 07 2012****NMOC ARTESIA**

6/7/2012 10:11 AM

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505



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

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-DIS-40374	<sup>2</sup> Pool Code 64010	<sup>3</sup> Pool Name WELCH; Bone Spring
<sup>4</sup> Property Code 308045	<sup>5</sup> Property Name CLUSTER STATE COM	<sup>6</sup> Well Number 311
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG OPERATING, LLC	<sup>9</sup> Elevation 3304'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	26S	27E		1830'	NORTH	190'	WEST	EDDY

<sup>11</sup> 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
H	16	26S	27E		1830'	NORTH	330'	EAST	EDDY

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<p>Section 9</p> <p>Section 16</p> <p>Section 21</p> <p>PRODUCING AREA</p> <p>PAD DETAIL</p> <p>GEODETIC COORDINATES</p> <p>NAD 27 NME 3001</p> <p>Y= 379985.6 N</p> <p>X= 540510.9 E</p> <p>LAT.= 32.044573° N</p> <p>LONG.= 104.202588° W</p> <p>GEODETIC COORDINATES</p> <p>NAD 27 NME 3001</p> <p>Y= 379886.3 N</p> <p>X= 545302.1 E</p> <p>LAT.= 32.044338° N</p> <p>LONG.= 104.187125° W</p>	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <i>Melanie Parker</i> Date: 06/07/2012</p> <p>Printed Name: <i>Melanie Parker</i></p> <p>E-mail Address: <i>mparker@concho.com</i></p>
	<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>Date of Survey: 6 June 2012</p> <p>Signature: <i>Jeffrey E. Hudson</i> Professional Surveyor</p> <p>Professional Surveyor Number: 20559</p>