

**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

Form C-101  
Revised November 14, 2012

## HOBBES OGD Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

☐ AMENDED REPORT

NOV 18 2013

RECEIVED

### 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		UGRID Number 229137
Property Code 40202		API Number 30-025-41525
Property Name North Lusk 32 State SWD		Well No 1

#### 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
K	32	18S	32E		1550'	South	1800'	West	Lea

#### 8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

#### 9. Pool Information

SWD: Devonian • <i>Fus-Mon-Simp-E12</i>	Pool Name	Depth Code 97972
---	-----------	---------------------

#### Additional Well Information

11 Work Type New Well	12 Well Type SWD	13 Cable/Rotary	14 Lease Type State	15 Ground Level Elevation 3685.4'
16 Multiple N	17 Proposed Depth 15,250'	18 Formation Devonian	19 Contractor	20 Spud Date 12/1/2013
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

#### 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	1100'	1550	0
Intemd	12.25	9.625	40	2950'	1850	0
Production	8.75	7	29	13800'	2600	2450'
Disposal	6.125	OH		15250'		

#### Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 1100' with Fresh Water. Run 13-3/8", 54.5#, J-55 and cement to surface. Drill 12-1/4" hole to approximately 2950' with brine, and run 9-5/8", 40#, J-55/ N80 csg and cement to surface. Drill 8-3/4" hole to approximately 13,800' with cut brine, run 7", 29#, N80 and cement back to 2450'. Drill 6-1/8" hole to approximately 15,250' with cut brine, and leave it open hole for salt water disposal purposes.

#### 22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron

<p>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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/>, if applicable. Signature: <i>Mayte Reyes</i></p>		<p>OIL CONSERVATION DIVISION</p>	
<p>Printed name: Mayte Reyes</p>		<p>Approved By: <i>[Signature]</i></p>	
<p>Title: Regulatory Analyst</p>		<p>Title: Petroleum Engineer</p>	
<p>E-mail Address: mreyes1@concho.com</p>		<p>Approved Date: 11/28/13 Expiration Date: 11/27/15</p>	
<p>Date: 11/18/2013 Phone: 575-748-6945</p>		<p>Conditions of Approval Attached</p>	

SWD-1394

DEC 02 2013

du