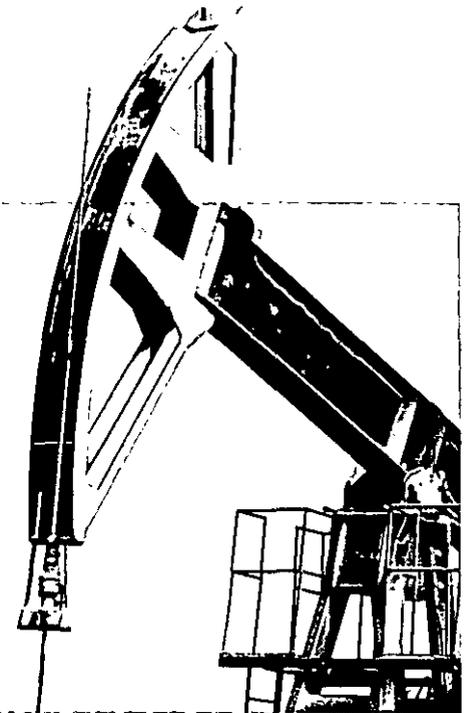


# COG Operating LLC

BONE YARD 11 FEE 11H  
Case No. 15376 – Re-Opened  
Cemetery Area - Eddy County, New Mexico



**STATE OF NEW MEXICO  
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES  
OIL CONSERVATION DIVISION**

**APPLICATION OF COG OPERATING LLC TO RE-OPEN CASE NO. 15376 TO  
AMEND THE WELL SURFACE LOCATION AND WELL ORIENTATION  
UNDER ORDER R-14072 , EDDY COUNTY, NEW MEXICO.**

**CASE NO. 15376 (re-opened)**

**AFFIDAVIT OF GREG CLARK**

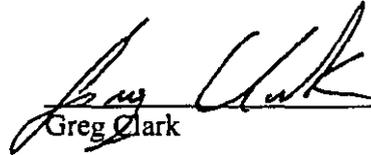
STATE OF TEXAS            )  
  ) ss.  
COUNTY OF MIDLAND    )

Greg Clark, being first duly sworn on oath, states as follows:

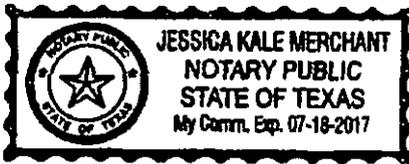
1. My name is Greg Clark and I am employed by COG Operating, LLC, in Midland, Texas, as a Senior Geologist. I previously testified as an expert in petroleum geology at the hearing on October 1, 2015, in Case No. 15376 that resulted in the issuance of pooling Order R-14072 on November 3, 2015.
2. Division Order R-14072 created a 160-acre non-standard spacing and proration unit in the Yeso formation consisting of the W/2 W/2 of Section 11, Township 20 South, Range 25 East, NMPM, Eddy County, New Mexico and pooled the uncommitted mineral interest in this spacing and proration unit. This unit was to dedicated to COG's proposed Bone Yard 11 Fee No. 11H Well (API No. 30-015-43417), which was originally planned to be drilled as a South-North horizontal well at a surface location 10 feet from the South line and 130 feet from the West line (Unit M) to a standard terminus 330 feet from the North line and 330 feet from the West line (Unit D) of Section 11, Township 20 South, Range 25 East, NMPM, Eddy County, New Mexico. This well has not been drilled by COG.
3. COG has changed the surface location and proposed orientation of the initial well because COG reached an agreement with a surface owner in the SW/4 SW/4 of Section 2. This will allow well costs to be significantly reduced due to surface geology and drilling reasons. The Bone Yard 11 Fee No. 11H Well will now be drilled as a North-South horizontal well from a surface location 120 feet from the North line and 170 feet from the West line (Unit D) to a standard terminus 330 feet from the South line and 330 feet from the West line (Unit M) of Section 11.
4. Attachment A to this affidavit is a copy of the updated C-102 for the Bone Yard

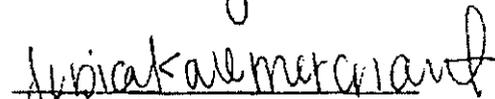
11 Fee No. 11H Well. The updated C-102 reflects the revised surface location and wellbore orientation.

FURTHER AFFIANT SAYETH NOT.

  
Greg Clark

SUBSCRIBED AND SWORN before me on this 20<sup>th</sup> day of January 2016.



  
Notary Public

My Commission Expires:

07-18-2017

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 & 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

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name <b>BONE YARD 11 FEE</b>			6 Well Number <b>11H</b>
7 OGRID NO.		8 Operator Name <b>COG OPERATING, LLC</b>			9 Elevation <b>3391'</b>

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
<b>D</b>	<b>11</b>	<b>20S</b>	<b>25E</b>		<b>120</b>	<b>NORTH</b>	<b>170</b>	<b>WEST</b>	<b>EDDY</b>

11 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
<b>M</b>	<b>11</b>	<b>20S</b>	<b>25E</b>		<b>330</b>	<b>SOUTH</b>	<b>330</b>	<b>WEST</b>	<b>EDDY</b>

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

