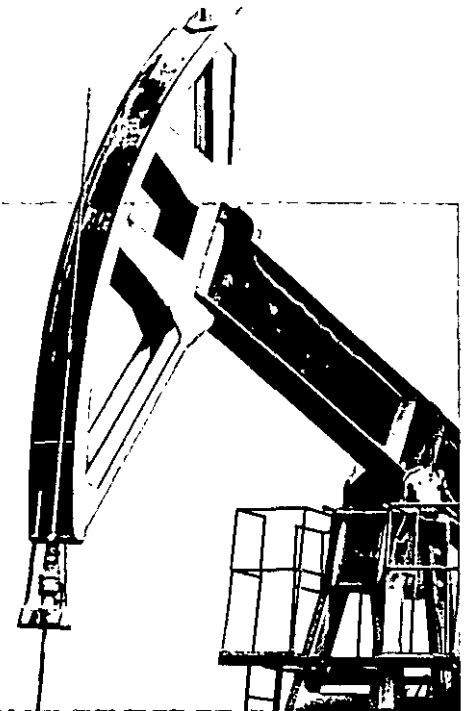


COG Operating LLC

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

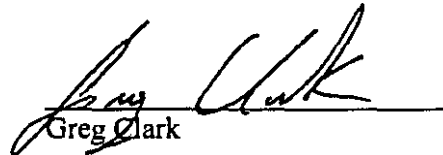
STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

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

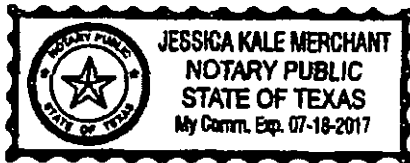
1. My name is Greg Clark and I am employed by COG Operating, LLC, in Midland, Texas, as a Senior Geologist. I previously testified as an expert in petroleum geology at the hearing on October 1, 2015, in Case No. 15376 that resulted in the issuance of pooling Order R-14072 on November 3, 2015.
2. Division 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

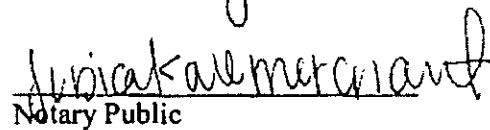
11 Fee No. 11H Well. The updated C-102 reflects the revised surface location and wellbore orientation.

FURTHER AFFIANT SAYETH NOT.


Greg Clark

SUBSCRIBED AND SWORN before me on this 20th 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) 393-9720
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 BONE YARD 11 FEE			6 Well Number 11H
7 GRID NO.		8 Operator Name COG OPERATING, LLC			9 Elevation 3391'

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
D	11	20S	25E		120	NORTH	170	WEST	EDDY

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
M	11	20S	25E		330	SOUTH	330	WEST	EDDY

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.

17 OPERATOR CERTIFICATION
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.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 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.

11-3-2015
Date of Survey

Signature and Seal of Professional Surveyor _____

19680
Certificate Number