

DISTRICT I
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DISTRICT II
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Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
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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, New Mexico 87505

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

MAY 25 2012
UNDETERMINED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-40594	Pool Code 97838	Pool Name WC-025 605 Lower Avalon Shale Upper	Well Number 2H
Property Code 39047	Property Name BUFFLEHEAD 10 FEDERAL		Elevation 3243'
OGRID No. 217955	Operator Name COG PRODUCTION, LLC.		

Surface Location

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	26-S	32-E		330	NORTH	480	EAST	LEA

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
P	10	26-S	32-E		330	SOUTH	330	EAST	LEA

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>CORNER COORDINATES TABLE</p> <p>Ⓐ - Y=382632.4 N, X=709247.9 E</p> <p>Ⓑ - Y=387980.2 N, X=709183.4 E</p> <p>Ⓒ - Y=387991.4 N, X=710514.9 E</p> <p>Ⓓ - Y=382643.8 N, X=710579.6 E</p>	<p>DETAIL</p>	<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p>Signature: <i>Melanie J Parker</i> Date: <i>3/14/12</i></p> <p>Printed Name: <i>Melanie J Parker</i></p> <p>E-mail Address: <i>mparker@concho.com</i></p>
<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=387657.4 N X=710038.8 E</p> <p>BOTTOM HOLE LOCATION LAT.=32.063972° N LONG.=103.655313° W Y=382970.9 N X=710245.5 E</p>		<p>SURVEYOR CERTIFICATION</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>NOVEMBER 29, 2011</p> <p>Date of Survey: _____</p> <p>Signature of Registered Professional Surveyor: <i>Ronald J. Eidson</i></p> <p>Professional Seal: <i>Ronald J. Eidson</i> 3239</p> <p>Certificate Number: <i>3239</i></p> <p>ACR: _____ JWSC W.O.: 11.11.2430</p>

MAY 31 2012