

NM OIL CONSERVATION  
ARTESIA DISTRICT

FEB 01 2018

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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

1 API Number 30-015-44656		2 Pool Code 97918		3 Pool Name Burch Keely; Glorieta-Upper Yeso	
4 Property Code 308086		5 Property Name BURCH KEELY UNIT			6 Well Number 949H
7 OGRID NO 229137		8 Operator Name COG OPERATING, LLC			9 Elevation 3592'

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
L	23	17S	29E		2625	SOUTH	70	WEST	EDDY

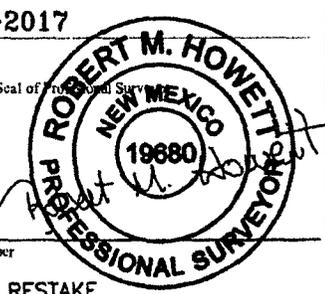
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	24	17S	29E		2310	NORTH	100	EAST	EDDY

12 Dedicated Acres 320	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.

<p>16</p> <p><b>GEODETIC DATA</b> NAD 83 GRID - NM EAST</p> <p><b>SURFACE LOCATION</b> N: 662105.8 - E: 586025.6 LAT: 32.82001901° N LONG: 104.05381500° W</p> <p><b>BOTTOM HOLE</b> N: 662530.8 - E: 637598.3 LAT: 32.82093288° N LONG: 104.01997924° W</p> <p><b>DETAIL "A"</b></p>	<p><b>CORNER DATA</b> NAD 83 GRID - NM EAST</p> <p>A: FOUND BRASS CAP "1914" N: 659544.7 - E: 627143.8</p> <p>B: FOUND BRASS CAP "1914" N: 662184.5 - E: 627134.6</p> <p>C: FOUND BRASS CAP "1914" N: 664824.0 - E: 627124.4</p> <p>D: FOUND 1/2" REBAR W/ STNS N: 664826.4 - E: 629765.3</p> <p>E: FOUND 1" STEEL PIPE N: 664828.6 - E: 632407.9</p> <p>F: FOUND BRASS CAP "1914" N: 664840.4 - E: 637685.9</p> <p>G: FOUND BRASS CAP "1914" N: 662203.0 - E: 637700.0</p> <p><b>CORNER DATA</b> NAD 83 GRID - NM EAST</p> <p>H: FOUND 2-1/2" STEEL PIPE N: 659587.0 - E: 637708.9</p> <p>I: FOUND 1/2" REBAR N: 659559.8 - E: 635063.4</p> <p>J: FOUND 2" IRON PIPE N: 659552.3 - E: 632418.3</p> <p>K: FOUND 3/4" IRON PIPE N: 662189.9 - E: 632413.4</p> <p>L: CALCULATED POINT N: 663504.3 - E: 627129.5</p> <p>M: CALCULATED POINT N: 663509.2 - E: 632410.6</p> <p>N: CALCULATED POINT N: 663521.8 - E: 637693.0</p>	<p><b>17 OPERATOR CERTIFICATION</b> 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>[Signature]</i> Date: 9/05/17 Printed Name: Robyn M. Russell E-mail Address: Russell@concho.com</p>
		<p><b>18 SURVEYOR CERTIFICATION</b> 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>3-15-2017 Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <i>[Signature]</i> 19880 Certificate Number</p> <p>3-15-17 RESTAKE</p>



RMP 3-2-18



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

# Drilling Plan Data Report

01/30/2018

APD ID: 10400002594

Submission Date: 03/13/2017

Highlighted data reflects the most recent changes

Operator Name: COG OPERATING LLC

Well Name: BURCH KEELY UNIT

Well Number: 949H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

## Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	UNKNOWN	3593	0	0	ALLUVIUM	USEABLE WATER	No
2	TOP SALT	3292	301	301	SALT	OTHER : Salt	No
3	TANSILL	2736	857	857	DOLOMITE	NONE	No
4	YATES	2630	963	963	SANDSTONE,DOLOMITE	NATURAL GAS,OIL	No
5	SEVEN RIVERS	2344	1249	1249	SANDSTONE,DOLOMITE	NATURAL GAS,OIL	No
6	QUEEN	1737	1856	1856	SANDSTONE	NATURAL GAS,OIL	No
7	GRAYBURG	1356	2237	2237	SANDSTONE,DOLOMITE	NATURAL GAS,OIL	No
8	SAN ANDRES	1042	2551	2551	DOLOMITE,ANHYDRITE	NATURAL GAS,OIL	No
9	GLORIETA	-404	3997	3997	SANDSTONE,SILTSTONE	NATURAL GAS,OIL	No
10	PADDOCK	-466	4059	4059	DOLOMITE	NATURAL GAS,OIL	No
11	BLINEBRY	-970	4563	4563	DOLOMITE	NATURAL GAS,OIL	Yes
12	TUBB	-1958	5551	5551	SANDSTONE,DOLOMITE	NATURAL GAS,OIL	No

## Section 2 - Blowout Prevention

Pressure Rating (PSI): 2M

Rating Depth: 9500

Equipment: ALL REQUIRED EQUIPMENT PER FEDERAL AND STATE REGULATIONS TO BE IN PLACE PRIOR TO DRILLING OUT THE SURFACE CASING.

Requesting Variance? NO

Variance request:

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and