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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

**NEW OIL CONSERVATION**  
**ARTESIA DISTRICT**

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

APR 26 2018

☐ AMENDED REPORT

**RECEIVED**

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015- <b>44913</b>	<sup>2</sup> Pool Code 96718	<sup>3</sup> Pool Name Loco Hills; Glorieta-Yeso
<sup>4</sup> Property Code 302499	<sup>5</sup> Property Name <b>GISSLER FEDERAL</b>	
<sup>7</sup> OGRID NO 229137	<sup>8</sup> Operator Name <b>COG OPERATING, LLC</b>	
		<sup>6</sup> Well Number <b>16H</b>
		<sup>9</sup> Elevation <b>3689'</b>

<sup>10</sup> 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>I</b>	<b>6</b>	<b>17S</b>	<b>30E</b>		<b>1550</b>	<b>SOUTH</b>	<b>170</b>	<b>EAST</b>	<b>EDDY</b>

<sup>11</sup> 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>I</b>	<b>5</b>	<b>17S</b>	<b>30E</b>		<b>1650</b>	<b>SOUTH</b>	<b>10</b>	<b>EAST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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><b>GEODETIC DATA</b> NAD 83 GRID - NM EAST SURFACE LOCATION N 676968.5 - E 642672.8 LAT: 32.8605738° N LONG: 104.0033138° W BOTTOM HOLE N 677085.9 - E 648114.1 LAT: 32.8608485° N LONG: 103.9855922° W <b>GEODETIC DATA</b> NAD 27 GRID - NM EAST SURFACE LOCATION N 676904.9 - E 601493.8 LAT: 32.8604583° N LONG: 104.0028052° W BOTTOM HOLE N 677022.2 - E 606935.5 LAT: 32.8607327° N LONG: 103.9850839° W</p>		<p><b>CORNER DATA</b> NAD 83 GRID - NM EAST A. FOUND BRASS CAP "1914" N 675387.8 - E 637653.6 B. FOUND BRASS CAP "1914" N 678025.5 - E 637653.4 C. FOUND BRASS CAP "1914" N 680665.9 - E 637654.6 D. FOUND BRASS CAP "1916" N 680673.4 - E 640190.1 E. FOUND BRASS CAP "1916" N 680680.6 - E 642629.7 F. FOUND BRASS CAP "1916" N 680688.3 - E 645470.0 G. FOUND BRASS CAP "1916" N 680696.5 - E 648110.9</p>		<p>H. FOUND BRASS CAP "1916" N 678076.6 - E 648121.2 I. FOUND BRASS CAP "1916" N 675436.4 - E 648126.9 J. FOUND BRASS CAP "1916" N 675428.2 - E 645488.7 K. FOUND BRASS CAP "1916" N 675419.9 - E 642648.2 L. FOUND BRASS CAP "1916" N 675403.7 - E 640208.3 M. CALCULATED CORNER N 678059.3 - E 642638.9 <b>CALCULATED POINTS</b> 1. N 678050.7 - E 641519.1 2. N 676731.2 - E 641523.7 3. N 676739.6 - E 642843.6 4. N 676756.5 - E 648125.0</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 an undivided 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: <i>[Signature]</i> Date: 10/18/17 Printed Name: <b>Robyn M. Russell</b> Russell@concho.com E-mail Address:</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. 8-30-2017 Date of Survey Signature and Seal of Professional Surveyor: <i>[Signature]</i> 19680 Certificate Number</p>					

Job No.: LS1708553

*RWP 4-27-18*



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

## Drilling Plan Data Report

04/23/2018

APD ID: 10400023119

Submission Date: 10/23/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: COG OPERATING LLC

Well Name: GISSLER FEDERAL

Well Number: 16H

[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	3689	0	0	ALLUVIUM	USEABLE WATER	No
2	RUSTLER	3321	368	368	ANHYDRITE	OTHER : Brackish Water	No
3	TANSILL	2923	766	766	DOLOMITE	NONE	No
4	TOP OF SALT	2923	766	766	SALT	OTHER : Salt	No
5	YATES	2435	1254	1254	SANDSTONE,DOLOMITE	NATURAL GAS,OIL	No
6	QUEEN	1545	2144	2144	SANDSTONE	NATURAL GAS,OIL	No
7	SAN ANDRES	806	2883	2883	DOLOMITE,ANHYDRITE	NATURAL GAS,OIL	No
8	GLORIETA	-620	4309	4309	SANDSTONE,SILTSTONE	NATURAL GAS,OIL	No
9	PADDOCK	-686	4375	4375	DOLOMITE	NATURAL GAS,OIL	Yes
10	BLINEBRY	-1153	4842	4842	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 tested. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Choke Diagram Attachment: