

District I  
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District II  
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District III  
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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

OCD - HOBBS  
04/03/2020  
RECEIVED

☒ AMENDED REPORT  
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-46419		<sup>2</sup> Pool Code 96434		<sup>3</sup> Pool Name Red Hills: Bone Spring, North <i>KZ</i>	
<sup>4</sup> Property Code 326152		<sup>5</sup> Property Name PICKELHAUBE STATE			<sup>6</sup> Well Number 601H
<sup>7</sup> GRID NO. 229137		<sup>8</sup> Operator Name COG OPERATING, LLC			<sup>9</sup> Elevation 3387'

<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	36	24S	34E		324	NORTH	2473	EAST	LEA

<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
O	36	24S	34E		53	SOUTH	1963	EAST	LEA

<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.

**GEODETIC DATA**  
NAD 83 GRID - NM EAST

**SURFACE LOCATION (SL)**  
N: 430537.0 - E: 822938.2  
LAT: 32.1803490° N  
LONG: 103.4231395° W  
LAT: 32°10'49.2563" N  
LONG: 103°25'23.3022" W

**KICK OFF POINT (KOP)**  
53'-FNL/2132'-FEL  
N: 430810.6 - E: 823277.0  
LAT: 32.1810931° N  
LONG: 103.4220372° W  
LAT: 32°10'51.9352" N  
LONG: 103°25'19.3338" W  
MD=12,275.00/TVD=12,255.40

**FIRST TAKE POINT (FTP)**  
263'-FNL/2077'-FEL  
N: 430601.0 - E: 823334.0  
LAT: 32.1805158° N  
LONG: 103.4218586° W  
LAT: 32°10'49.8567" N  
LONG: 103°25'18.6910" W  
MD=12,755.00/TVD=12,650.85

**LAST TAKE POINT (LTP)**  
151'-FSL/1967'-FEL  
N: 425734.9 - E: 823486.2  
LAT: 32.1671375° N  
LONG: 103.4215001° W  
LAT: 32°10'01.6949" N  
LONG: 103°25'17.4003" W  
MD=17,635.00/TVD=12,684.25

**BOTTOM HOLE (BH)**  
N: 425637.1 - E: 823491.1  
LAT: 32.1668683° N  
LONG: 103.4214870° W  
LAT: 32°10'00.7259" N  
LONG: 103°25'17.3532" W  
MD=17,733.00/TVD=12,684.17

**CORNER DATA**  
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1913"  
N: 425562.2 - E: 820175.3

F: FOUND BRASS CAP "1913"  
N: 428239.1 - E: 825431.6

B: FOUND BRASS CAP "1913"  
N: 428201.6 - E: 820152.9

G: FOUND STONE MOUND  
N: 425596.6 - E: 825454.5

C: CALCULATED CORNER  
N: 430839.4 - E: 820133.8

H: FOUND BRASS CAP "1913"  
N: 425579.9 - E: 822814.8

D: COTTON SPINDLE  
N: 430860.0 - E: 822773.2

**CALCULATED POINTS**  
E: COTTON SPINDLE  
N: 430879.3 - E: 825408.0

1: N: 430869.7 - E: 824090.6  
2: N: 425588.3 - E: 824134.6

**<sup>17</sup> 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.

3/12/20  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
Amanda Avery  
Printed Name \_\_\_\_\_  
aaavery@concho.com  
E-mail Address \_\_\_\_\_

**<sup>18</sup> 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.

09-05-2019  
Date of Survey \_\_\_\_\_  
Signature and Seal of Professional Surveyor \_\_\_\_\_

19680  
Certificate Number  
REV: 3-10-2020 AS-DRILL

Job No.: LS19090867AD

Intent ☐ As Drilled ☒

API # 30-025-46419			
Operator Name: COG Operating LLC		Property Name: Pickelhaube State	Well Number 601H

Kick Off Point (KOP)

UL B	Section 36	Township 24S	Range 34E	Lot	Feet 53	From N/S North	Feet 2132	From E/W East	County Lea
Latitude 32.1810931					Longitude 103.4220372			NAD 83	

First Take Point (FTP)

UL B	Section 36	Township 24S	Range 34E	Lot	Feet 263	From N/S North	Feet 2077	From E/W East	County Lea
Latitude 32.1805158					Longitude 103.4218586			NAD 83	

Last Take Point (LTP)

UL O	Section 36	Township 24S	Range 34E	Lot	Feet 151	From N/S South	Feet 1967	From E/W East	County Lea
Latitude 32.1671375					Longitude 103.4215001			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☒

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #			
Operator Name:		Property Name:	Well Number

KZ 06/29/2018