

|                   |              |           |                       |
|-------------------|--------------|-----------|-----------------------|
| RECEIVED: 8/11/20 | REVIEWER: DM | TYPE: PLC | APP NO: pDM2022661157 |
|-------------------|--------------|-----------|-----------------------|

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Geological & Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Applicant:** COG Operating, LLC**OGRID Number:** 229137**Well Name:** Pickelhaube State 601H and three other wells (see attached)**API:** 30-025-46419**Pool:** Red Hills; Bone Spring, North & WC-025 G-09 S253402N; Wolfcamp**Pool Code:** 96434 & 98116

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW**

**1) TYPE OF APPLICATION:** Check those which apply for [A]

A. Location - Spacing Unit - Simultaneous Dedication

☐ NSL☐ NSP (PROJECT AREA)☐ NSP (PRORATION UNIT)☐ SD

B. Check one only for [ I ] or [ II ]

[ I ] Commingling - Storage - Measurement

☐ DHC☐ CTB☒ PLC☐ PC☐ OLS☐ OLM

[ II ] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX☐ PMX☐ SWD☐ IPI☐ EOR☐ PPR**2) NOTIFICATION REQUIRED TO:** Check those which apply.A. ☐ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☐ Application requires published noticeD. ☒ Notification and/or concurrent approval by SLOE. ☐ Notification and/or concurrent approval by BLMF. ☐ Surface ownerG. ☐ For all of the above, proof of notification or publication is attached, and/or,H. ☐ No notice required**FOR OCD ONLY**☐

Notice Complete

☐Application  
Content  
Complete

**3) CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Jeanette Barron

Print or Type Name

Signature

Date

8/11/20

575-746-6974

Phone Number

jbarron@concho.com

e-mail Address



August 11, 2020

Attn: Dean McClure  
NM Oil Conservation Division  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

Re: Application for Administrative Approval of Pool Lease Commingle

Dear Mr. McClure,

COG Operating LLC respectfully requests approval for pool lease commingling for the following wells:

Pickelhaube State 601H  
API# 30-025-46419  
Red Hills; Bone Spring, North  
Ut. B, Sec. 36-T24S-R34E  
Lea County, NM

Pickelhaube State 602H  
API# 30-025-46405  
Red Hills; Bone Spring, North  
Ut. D, Sec. 36-T24S-R34E  
Lea County, NM

Pickelhaube State 701H  
API# 30-025-46420  
WC-025 G-09 S253402N; Wolfcamp  
Ut. B, Sec. 36-T24S-R34E  
Lea County, NM

Pickelhaube State 702H  
API# 30-025-46406  
WC-025 G-09 S253402N; Wolfcamp  
Ut. D, Sec. 36-T24S-R34E  
Lea County, NM

**Oil Production:**

The oil production from all wells will be measured separately by allocation meter prior to being commingled at the Central Tank Battery located in Ut. C, Sec 36-T24S-R34E. In the event the CTB is over capacity or in the case of battery or pipeline repairs the oil production from these wells may be transported by truck to either the Red Hills Offload Station, located in Unit O, Section 4-T26S-R32E, or the Jal Offload Station, located in Unit D, Section 4-T26S-R37E, Lea County. In this case, the oil will remain segregated and will be measured by lact meter when offloading at said stations.

**Gas Production:**

The gas production from all wells will be measured separately by allocation meter prior to being commingled and entering a gas flow line to the gas custody transfer meter at the Central Tank Battery located in Ut. C, Sec 36-T24S-R34E The Targa gas sales meter # 161001239.

No owner notification is necessary. A letter from a certified Landman stating all owners and interest are identical is enclosed.

**CORPORATE ADDRESS**

One Concho Center | 600 West Illinois Avenue | Midland Texas 79701  
P 432.683.7443 | F 432 683.7441

**ARTESIA WEST OFFICE**

2208 Main Street | Artesia, New Mexico 88210  
P 575.748.6940 | F 575.746.2096



Please see the enclosed Administrative Application Checklist, C-107B Application for Pool Lease Commingling, plats for referenced wells, site facility diagram, maps with lease boundaries showing wells and facility locations, production history.

Thank you for your attention to this matter.

Sincerely,

A handwritten signature in black ink that reads "Jeanette Barron".

Jeanette Barron  
Regulatory Technician II

**CORPORATE ADDRESS**

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701  
P 432.683.7443 | F 432.683.7441

**ARTESIA WEST OFFICE**

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District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original  
application to the Santa Fe  
office with one copy to the  
appropriate District Office.

**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**

OPERATOR NAME: COG Operating LLC  
OPERATOR ADDRESS: 2208 W Main Street, Artesia, New Mexico 88210  
APPLICATION TYPE:  
☐ Pool Commingling ☐ Lease Commingling ☒ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☒ State ☐ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No. \_\_\_\_\_  
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
☒ Yes ☐ No

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

| (1) Pool Names and Codes             | Gravities / BTU of Non-Commingled Production | Calculated Gravities / BTU of Commingled Production |  | Calculated Value of Commingled Production | Volumes |
|--------------------------------------|--|---|--|---|---------|
| 96434 Red Hills; Bone Spring, North  | 42.35/ BTU 1365                              | 42.5/ BTU 1376                                      |  |   |         |
| 98116 WC-025 G-09 S253402N; Wolfcamp | 42.65/ BTU 1388                              |   |  |   |         |
|                                      |  |   |  |   |         |
|                                      |  |   |  |   |         |
|                                      |  |   |  |   |         |

- (2) Are any wells producing at top allowables? ☐ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No  
(4) Measurement type: ☐ Metering ☐ Other (Specify)  
(5) Will commingling decrease the value of production? ☐ Yes ☐ No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Pool Name and Code.  
(2) Is all production from same source of supply? ☐ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No  
(4) Measurement type: ☐ Metering ☐ Other (Specify)

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attached sheets with the following information

- (1) Is all production from same source of supply? ☐ Yes ☐ No  
(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.  
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.  
(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Jeanette Barron TITLE: Regulatory Technician II DATE: 8/11/20  
TYPE OR PRINT NAME Jeanette Barron TELEPHONE NO.: 575.748.6974  
E-MAIL ADDRESS: jbarron@concho.com

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone (575) 393-6161 Fax (575) 393-0720  
District II  
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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  
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |  |                                 |   |
|---|--|---------------------------------|---|
| <sup>1</sup> API Number<br>30-025-46419 |  | <sup>2</sup> Pool Code<br>96434 | <sup>3</sup> Pool Name<br>Red Hills: Bone Spring, North |
| <sup>4</sup> Property Code<br>326152    | <sup>5</sup> Property Name<br>PICKELHAUBE STATE  |                                 | <sup>6</sup> Well Number<br>601H                        |
| <sup>7</sup> GRID NO.<br>229137         | <sup>8</sup> Operator Name<br>COG OPERATING, LLC |                                 | <sup>9</sup> Elevation<br>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 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No |
|-------------------------------|-------------------------------|----------------------------------|------------------------|
| 160                           |                               |                                  |                        |

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

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

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

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

C: CALCULATED CORNER  
N: 430839.4 - E: 820133.8

D: COTTON SPINDLE  
N: 430860.0 - E: 822773.2

E: COTTON SPINDLE  
N: 430879.3 - E: 825408.0

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

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

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

**CALCULATED POINTS**

I: N: 430869.7 - E: 824090.6  
N: 425588.3 - E: 824134.6

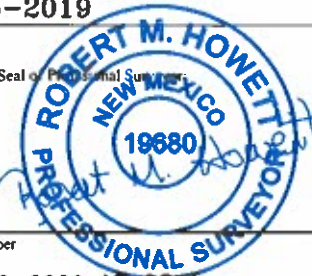
**LAST TAKE POINT (LTP)**  
151'-FSL/1967'-FEL  
N: 425734.9 - E: 823486.2  
LAT: 32.1671375° N  
LONG: 103.4215001° W  
LAT: 32°10'01.6949" N  
LONG: 103°25'17.4003" W  
MD=17,635.00/TVD=12,684.25

**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

**<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.

*Jeanette Barron* 8/11/20  
Signature Date  
Jeanette Barron  
Printed Name  
jbarron@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

District I  
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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

|   |  |  |  |   |                                  |
|---|--|--|--|---|----------------------------------|
| <sup>1</sup> API Number<br>30-025-46405 |  | <sup>2</sup> Pool Code<br>96434                  |  | <sup>3</sup> Pool Name<br>Red Hills; Bone Spring, North |                                  |
| <sup>4</sup> Property Code<br>326152    |  | <sup>5</sup> Property Name<br>PICKELHAUBE STATE  |  |   | <sup>6</sup> Well Number<br>602H |
| <sup>7</sup> GRID NO.<br>229137         |  | <sup>8</sup> Operator Name<br>COG OPERATING, LLC |  |   | <sup>9</sup> Elevation<br>3410'  |

<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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 36      | 24S      | 34E   |         | 330           | NORTH            | 1286          | WEST           | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N             | 36      | 24S      | 34E   |         | 49            | SOUTH            | 1455          | WEST           | LEA    |

|                                      |                               |                                  |                         |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>160 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|

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><br/>NAD 83 GRID - NM EAST</p> <p><b>SURFACE LOCATION (SL)</b><br/>N: 430519.5 - E: 821422.0<br/>LAT: 32.1803361° N<br/>LONG: 103.4280401° W<br/>LAT: 32.10'49.2096" N<br/>LONG: 103°25'40.9436" W</p> <p><b>KICK OFF POINT (KOP)</b><br/>68'-FNL/1458'-FWL<br/>N: 430782.5 - E: 821592.3<br/>LAT: 32.1810551° N<br/>LONG: 103.4274825° W<br/>LAT: 32.10'51.7985" N<br/>LONG: 103°25'38.9372" W<br/>MD=12,102.00/TVD=12,089.21</p> <p><b>FIRST TAKE POINT (FTP)</b><br/>436'-FNL/1503'-FWL<br/>N: 430415.3 - E: 821640.0<br/>LAT: 32.1800447° N<br/>LONG: 103.4273386° W<br/>LAT: 32.10'48.1608" N<br/>LONG: 103°25'38.4191" W<br/>MD=12,765.00/TVD=12,587.75</p> | <p><b>LAST TAKE POINT (LTP)</b><br/>151'-FSL/1459'-FWL<br/>N: 425722.7 - E: 821633.1<br/>LAT: 32.1671469° N<br/>LONG: 103.4274886° W<br/>LAT: 32.10'01.7288" N<br/>LONG: 103°25'38.9590" W<br/>MD=17,465.00/TVD=12,685.52</p> <p><b>BOTTOM HOLE (BH)</b><br/>N: 425620.8 - E: 821630.1<br/>LAT: 32.1668668° N<br/>LONG: 103.4275010° W<br/>LAT: 32.10'00.7204" N<br/>LONG: 103°25'39.0036" W<br/>MD=17,567.00/TVD=12,686.31</p>   | <p><b><sup>17</sup> OPERATOR CERTIFICATION</b><br/>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: <u>Jeanette Barron</u> Date: <u>8/11/20</u><br/>Printed Name: <u>Jeanette Barron</u><br/>E-mail Address: <u>jbarron@concho.com</u></p> |
|  | <p><b>CORNER DATA</b><br/>NAD 83 GRID - NM EAST</p> <p>A: FOUND BRASS CAP "1913"<br/>N: 425562.2 - E: 820175.3</p> <p>B: FOUND BRASS CAP "1913"<br/>N: 428201.6 - E: 820152.9</p> <p>C: CALCULATED CORNER<br/>N: 430839.4 - E: 820133.8</p> <p>D: COTTON SPINDLE<br/>N: 430860.0 - E: 822773.2</p> <p>E: COTTON SPINDLE<br/>N: 430879.3 - E: 825408.0</p> <p>F: FOUND BRASS CAP "1913"<br/>N: 428239.1 - E: 825431.6</p> <p>G: FOUND STONE MOUND<br/>N: 425596.6 - E: 825454.5</p> <p>H: FOUND BRASS CAP "1913"<br/>N: 425579.9 - E: 822814.8</p> <p><b>CALCULATED POINTS</b><br/>I: N: 430849.7 - E: 821453.5<br/>J: N: 425571.1 - E: 821495.0</p>                                      | <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b><br/>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><b>09-05-2019</b><br/>Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <u>Robert M. Howett</u><br/></p> <p><b>19880</b><br/>Certificate Number</p> <p>REV: 3-11-2020 AS-DRILL</p> <p>Job No.: <u>LS19090869AD</u></p> |   |



District I  
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1220 South St. Francis Dr.  
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Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☒ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |  |  |
|---|--|--|
| <sup>1</sup> API Number<br>30-025-46420 | <sup>2</sup> Pool Code<br>98116                  | <sup>3</sup> Pool Name<br>WC-025 G-09 S253402N; WOLFCAMP |
| <sup>4</sup> Property Code<br>326152    | <sup>5</sup> Property Name<br>PICKELHAUBE STATE  |  |
| <sup>7</sup> GRID NO.<br>229137         | <sup>8</sup> Operator Name<br>COG OPERATING, LLC | <sup>6</sup> Well Number<br>701H                         |
|   |  | <sup>9</sup> Elevation<br>3388'                          |

<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            | 2503          | 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 |
|--------------------------------------|---------|-------------------------------|-------|----------------------------------|---------------|-------------------------|---------------|----------------|--------|
| N                                    | 36      | 24S                           | 34E   |                                  | 50            | SOUTH                   | 2325          | WEST           | LEA    |
| <sup>12</sup> Dedicated Acres<br>160 |         | <sup>13</sup> Joint or Infill |       | <sup>14</sup> Consolidation Code |               | <sup>15</sup> Order No. |               |                |        |

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: 430536.7 - E: 822908.2  
LAT: 32.1803489° N  
LONG: 103.4232364° W  
LAT: 32.10'49.2558" N  
LONG: 103.25'23.6512" W

**KICK OFF POINT (KOP)**  
106' - FNL/2358' - FWL  
N: 430752.3 - E: 822491.7  
LAT: 32.1809511° N  
LONG: 103.4245767° W  
LAT: 32.10'51.4241" N  
LONG: 103.25'28.4762" W  
MD=12.393.00/TVD=12,374.14

**FIRST TAKE POINT (FTP)**  
447' - FNL/2335' - FWL  
N: 430410.8 - E: 822472.3  
LAT: 32.1798878° N  
LONG: 103.4241784° W  
LAT: 32.10'48.0470" N  
LONG: 103.25'28.7350" W  
MD=13.020.00/TVD=12,863.52

**LAST TAKE POINT (LTP)**  
147' - FSL/2320' - FWL  
N: 425724.5 - E: 822493.8  
LAT: 32.1671320° N  
LONG: 103.4247071° W  
LAT: 32.10'01.6750" N  
LONG: 103.25'28.9457" W  
MD=17.720.00/TVD=12,961.97

**BOTTOM HOLE (BH)**  
N: 425627.8 - E: 822499.2  
LAT: 32.1668659° N  
LONG: 103.4246922° W  
LAT: 32.10'00.7173" N  
LONG: 103.25'28.8920" W  
MD=17.817.00/TVD=12,958.98

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

A: FOUND BRASS CAP "1913"  
N: 425562.2 - E: 820175.3  
B: FOUND BRASS CAP "1913"  
N: 428201.6 - E: 820152.9  
C: CALCULATED CORNER  
N: 430839.4 - E: 820133.8  
D: COTTON SPINDLE  
N: 430860.0 - E: 822773.2  
E: COTTON SPINDLE  
N: 430879.3 - E: 825408.0

F: FOUND BRASS CAP "1913"  
N: 428239.1 - E: 825431.6  
G: FOUND STONE MOUND  
N: 425596.6 - E: 825454.5  
H: FOUND BRASS CAP "1913"  
N: 425579.9 - E: 822814.8

**CALCULATED POINTS**  
1: N: 430849.7 - E: 821453.5  
2: N: 430869.7 - E: 824090.6  
3: N: 425588.3 - E: 824134.6  
4: N: 425571.1 - E: 821495.0

**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 and hereafter entered by the division

*Jeannette Barron* 8/11/20  
Signature Date  
Jeannette Barron  
Printed Name  
jbarron@concho.com  
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.

09-05-2019  
Date of Survey  
Signature and Seal of Professional Surveyor  
19680  
Certificate Number  
REV: 3-10-2020 AS-DRILL

Job No.: LS19090868AD

District I  
1625 N French Dr., Hobbs, NM 88240  
Phone (575) 393-6161 Fax (575) 393-0720  
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  
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                              |  |                                       |  |   |                       |
|------------------------------|--|---------------------------------------|--|---|-----------------------|
| 1 API Number<br>30-025-46406 |  | 2 Pool Code<br>98116                  |  | 3 Pool Name<br>WC-025 G-09 S253402N; WOLFCAMP |                       |
| 4 Property Code<br>326152    |  | 5 Property Name<br>PICKELHAUBE STATE  |  |   | 6 Well Number<br>702H |
| 7 GRID NO.<br>229137         |  | 8 Operator Name<br>COG OPERATING, LLC |  |   | 9 Elevation<br>3410'  |

10 Surface Location

| U/L or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet From the | East/West line | County |
|----------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D              | 36      | 24S      | 34E   |         | 330           | NORTH            | 1256          | WEST           | LEA    |

11 Bottom Hole Location If Different From Surface

| U/L or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|----------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M              | 36      | 24S      | 34E   |         | 50            | SOUTH            | 707           | WEST           | LEA    |

|                           |                    |                       |              |
|---------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres<br>160 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|---------------------------|--------------------|-----------------------|--------------|

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: 430519.6 - E: 821392.0  
LAT: 32.1803369° N  
LONG: 103.4281370° W  
LAT: 32°10'49.2130" N  
LONG: 103°25'41.2927" W

**KICK OFF POINT (KOP)**  
84'-FNL/669'-FWL  
N: 430760.5 - E: 820802.9  
LAT: 32.1810129° N  
LONG: 103.4300343° W  
LAT: 32°10'51.6463" N  
LONG: 103°25'48.1235" W  
MD=12,451.00/TVD=12,423.91

**FIRST TAKE POINT (FTP)**  
387'-FNL/688'-FWL  
N: 430457.5 - E: 820823.9  
LAT: 32.1801795° N  
LONG: 103.4299747° W  
LAT: 32°10'48.6461" N  
LONG: 103°25'47.9090" W  
MD=13,050.00/TVD=12,894.08

**LAST TAKE POINT (LTP)**  
149'-FSL/684'-FWL  
N: 425715.3 - E: 820857.6  
LAT: 32.1671444° N  
LONG: 103.4299946° W  
LAT: 32°10'01.7199" N  
LONG: 103°25'47.9805" W  
MD=17,810.00/TVD=12,930.70

**BOTTOM HOLE (BH)**  
N: 425617.2 - E: 820881.3  
LAT: 32.1668742° N  
LONG: 103.4299208° W  
LAT: 32°10'00.7470" N  
LONG: 103°25'47.7149" W  
MD=17,911.00/TVD=12,934.10

**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

*Jeanette Barron* 8/11/20  
Signature Date  
Jeanette Barron  
Printed Name  
jbarron@concho.com  
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.

09-05-2019  
Date of Survey

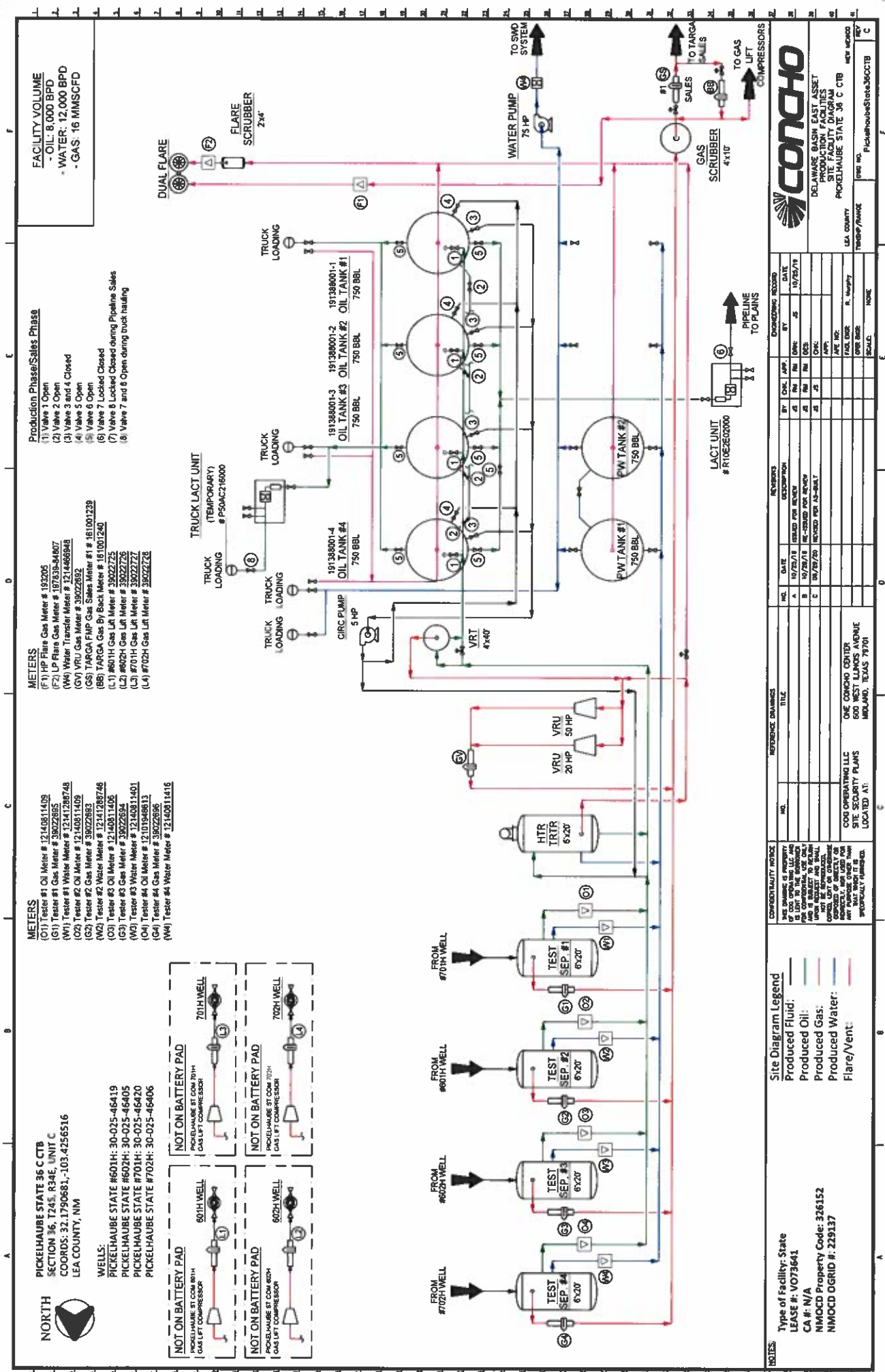
Signature and Seal of Professional Surveyor

**19680**  
Certificate Number

REV: 3-11-2020 AS-DRILL

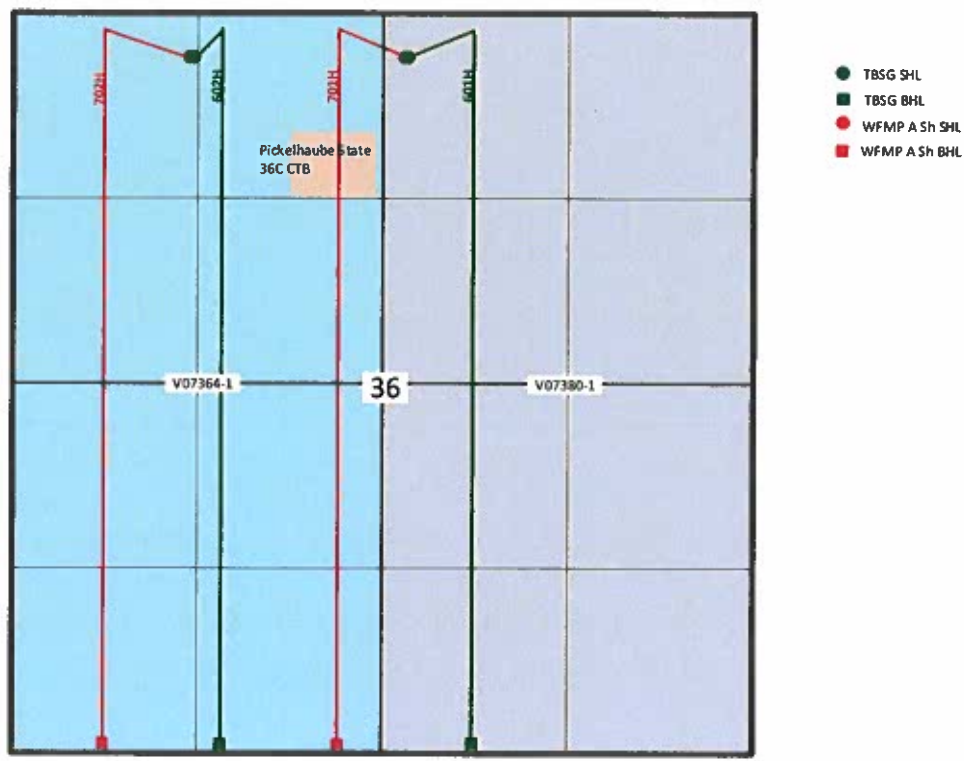
**19680**  
Job No.: LS19090870AD





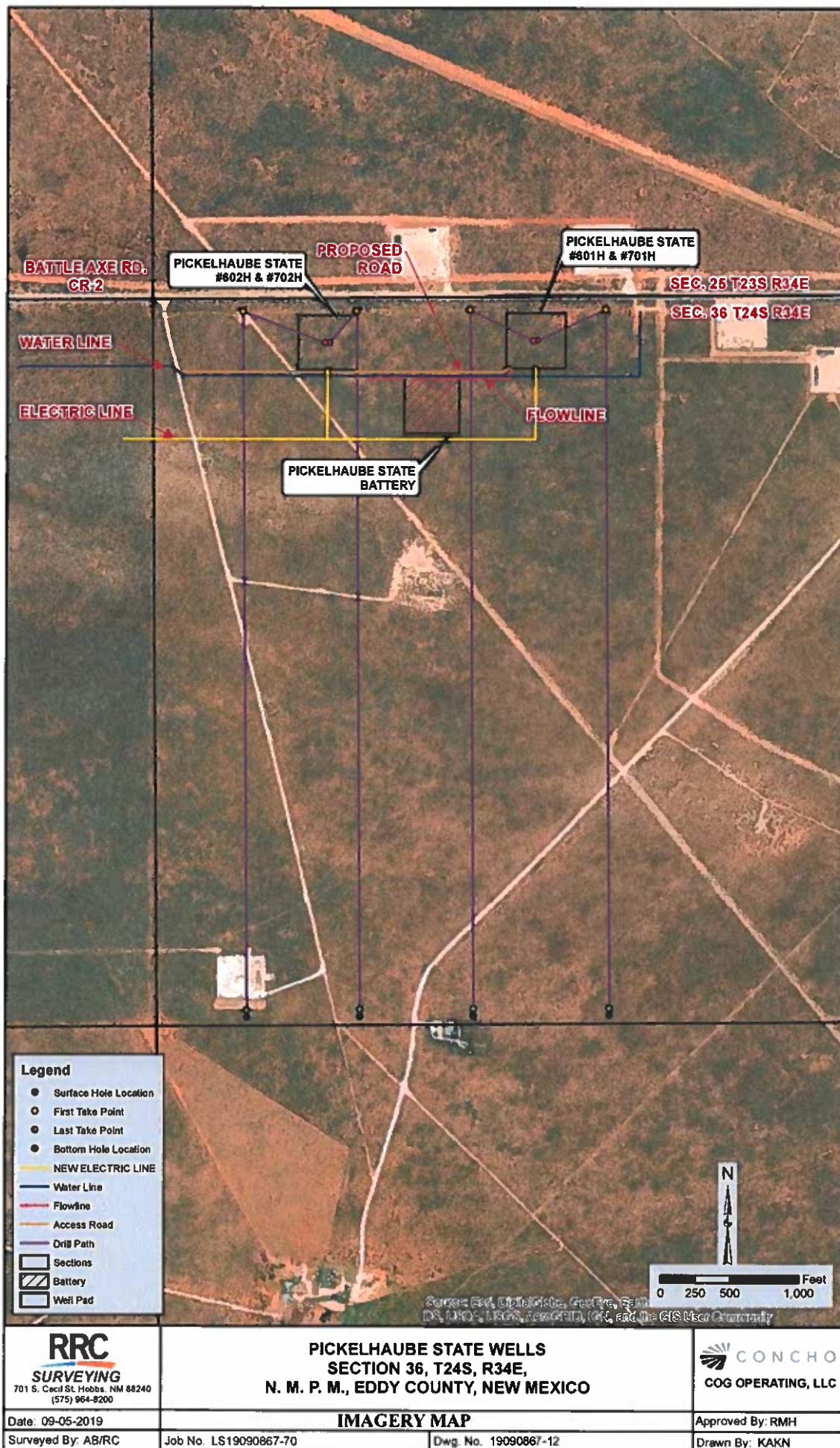
DW - 03/05/19

# Pickelhaube State Wells



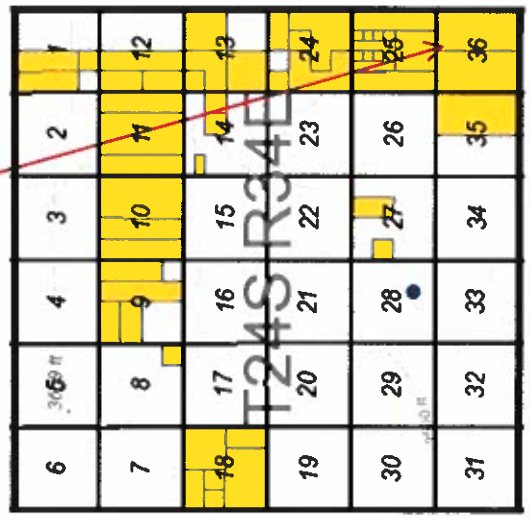
Sec. 36-T24S-R34E  
Lea County, NM



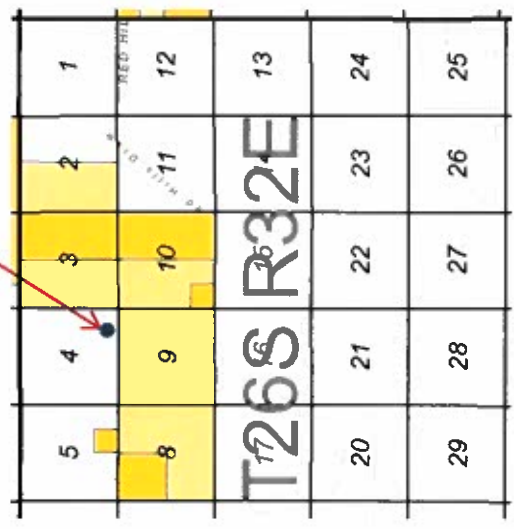


# Pickelhaube St 601H, 602H 701H, 702H & Red Hills and Jal Offload Station Map

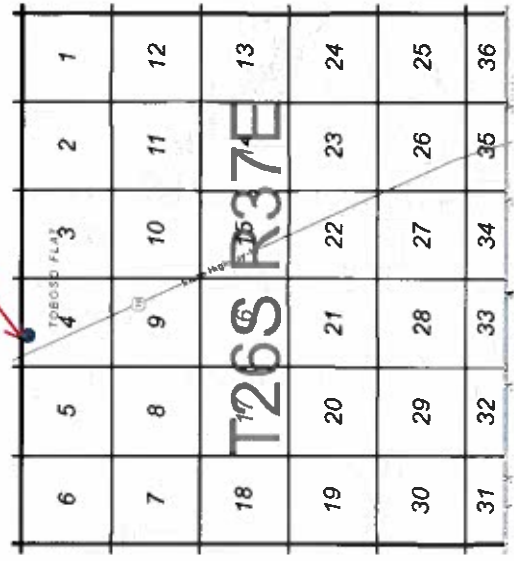
Pickelhaube St 601H, 602H 701H,  
702H  
Lea County, NM



Red Hills Offload Station  
Lea County, NM



Jal Offload Station  
Lea County, NM



| Production Summary Report           |                                      |            |           |          |            |          |
|-------------------------------------|--------------------------------------|------------|-----------|----------|------------|----------|
| API: 30-025-46419                   |                                      |            |           |          |            |          |
| PICKELHAUBE STATE #601H             |                                      |            |           |          |            |          |
| Printed On: Tuesday, August 04 2020 |                                      |            |           |          |            |          |
|                                     |                                      | Production |           |          |            |          |
| Year                                | Pool                                 | Month      | Oil(BBLS) | Gas(MCF) | Water(BBL) | Days P/I |
| 2020                                | [96434] RED HILLS;BONE SPRING, NORTH | Mar        | 13864     | 18195    | 35518      | 27       |
| 2020                                | [96434] RED HILLS;BONE SPRING, NORTH | Apr        | 27998     | 43491    | 53625      | 29       |
| 2020                                | [96434] RED HILLS;BONE SPRING, NORTH | May        | 17705     | 26129    | 30760      | 27       |

| Production Summary Report           |                                      |            |           |          |            |          |
|-------------------------------------|--------------------------------------|------------|-----------|----------|------------|----------|
| API: 30-025-46405                   |                                      |            |           |          |            |          |
| PICKELHAUBE STATE #602H             |                                      |            |           |          |            |          |
| Printed On: Tuesday, August 04 2020 |                                      |            |           |          |            |          |
|                                     |                                      | Production |           |          |            |          |
| Year                                | Pool                                 | Month      | Oil(BBLS) | Gas(MCF) | Water(BBL) | Days P/I |
| 2020                                | [96434] RED HILLS;BONE SPRING, NORTH | Mar        | 16335     | 20095    | 52720      | 29       |
| 2020                                | [96434] RED HILLS;BONE SPRING, NORTH | Apr        | 25476     | 38692    | 51650      | 29       |
| 2020                                | [96434] RED HILLS;BONE SPRING, NORTH | May        | 14530     | 24205    | 29319      | 27       |

| Production Summary Report           |                                       |            |           |          |            |          |
|-------------------------------------|---------------------------------------|------------|-----------|----------|------------|----------|
| API: 30-025-46420                   |                                       |            |           |          |            |          |
| PICKELHAUBE STATE #701H             |                                       |            |           |          |            |          |
| Printed On: Tuesday, August 04 2020 |                                       |            |           |          |            |          |
|                                     |                                       | Production |           |          |            |          |
| Year                                | Pool                                  | Month      | Oil(BBLS) | Gas(MCF) | Water(BBL) | Days P/I |
| 2020                                | [98116] WC-025 G-09 S253402N;WOLFCAMP | Mar        | 18208     | 24821    | 29114      | 28       |
| 2020                                | [98116] WC-025 G-09 S253402N;WOLFCAMP | Apr        | 28191     | 39691    | 30229      | 29       |
| 2020                                | [98116] WC-025 G-09 S253402N;WOLFCAMP | May        | 18904     | 25136    | 19312      | 27       |

| Production Summary Report           |                                       |            |           |          |            |          |
|-------------------------------------|---------------------------------------|------------|-----------|----------|------------|----------|
| API: 30-025-46406                   |                                       |            |           |          |            |          |
| PICKELHAUBE STATE #702H             |                                       |            |           |          |            |          |
| Printed On: Tuesday, August 04 2020 |                                       |            |           |          |            |          |
|                                     |                                       | Production |           |          |            |          |
| Year                                | Pool                                  | Month      | Oil(BBLS) | Gas(MCF) | Water(BBL) | Days P/I |
| 2020                                | [98116] WC-025 G-09 S253402N;WOLFCAMP | Mar        | 18055     | 22090    | 48101      | 31       |
| 2020                                | [98116] WC-025 G-09 S253402N;WOLFCAMP | Apr        | 24845     | 32478    | 35364      | 29       |
| 2020                                | [98116] WC-025 G-09 S253402N;WOLFCAMP | May        | 16993     | 21193    | 18882      | 27       |





Matt Solomon  
Staff Landman

May 27, 2020

**RE: Commingling and Off-Lease Measurement For The Pickelhaube State wells**

To Whom It Concerns:

My name is Matt Solomon, and I am the landman that oversees the Pickelhaube State wells for COG Operating LLC ("Concho").

Regarding the Pickelhaube State 601H, 602H, 701H, and 702H the following statements are true:

- 1) The revenue owners are identical as defined in NMAC 19.15.12.7.B.
- 2) The leases or pools have the same working, royalty and overriding royalty owners in exactly the same percentages.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "MS", written over a horizontal line.

Matt Solomon - CPL, J.D.  
Staff Landman  
432-685-4352 (o)  
832-544-9492 (c)  
[msolomon@concho.com](mailto:msolomon@concho.com)



August 11, 2020

Commissioner of Public Lands  
NM State Land Office  
P. O. Box 1148  
Santa Fe, NM 87504-1148

RE: Application for CTB and Pool Lease Commingle

Pickelhaube State 601H  
API# 30-025-46419  
Red Hills; Bone Spring, North  
Ut. B, Sec. 36-T24S-R34E  
Lea County, NM

Pickelhaube State 602H  
API# 30-025-46405  
Red Hills; Bone Spring, North  
Ut. D, Sec. 36-T24S-R34E  
Lea County, NM

Pickelhaube State 701H  
API# 30-025-46420  
WC-025 G-09 S253402N; Wolfcamp  
Ut. B, Sec. 36-T24S-R34E  
Lea County, NM

Pickelhaube State 602H  
API# 30-025-46406  
WC-025 G-09 S253402N; Wolfcamp  
Ut. D, Sec. 36-T24S-R34E  
Lea County, NM

To Whom it May Concern:

Please find enclosed check in the amount of \$150.00, which constitutes payment of the required fee for the referenced Pool Lease Commingling application.

If you have any questions, please do not hesitate to contact me at [jbarron@concho.com](mailto:jbarron@concho.com) or 575-748-6974.

Sincerely,

A handwritten signature in black ink that reads "Jeanette Barron".

Jeanette Barron  
Regulatory Technician II

**CORPORATE ADDRESS**

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701  
P 432.683.7443 | F 432.683.7441

**ARTESIA WEST OFFICE**

2208 Main Street | Artesia, New Mexico 88210  
P 575.748.6940 | F 575.746.2096

**NEW MEXICO  
STATE  
LAND OFFICE**

**APPLICATION FOR  
COMMINGLING AND OFF-LEASE STORAGE  
ON STATE TRUST LANDS**



This application form is required for all commingling applications requiring approval by the Commissioner of Public Lands.

**Applicant:** COG OPERATING, LLC  
**Well Name:** Pickelhaube State 601H  
**Pool:** 96434 Red Hills; Bone Spring, North

**OGRID #:** 229137  
**API #:** 30-025-46419

**OPERATOR NAME:** COG OPERATING, LLC  
**OPERATOR ADDRESS:** 2208 W. MAIN STREET, ARTESIA, NEW MEXICO

**APPLICATION REQUIREMENTS – SUBMIT:**

1. New Mexico Oil Conservation Division (NMOCD) application packet (or equivalent information if no application is required by NMOCD),
2. Commingling application fee of \$150.

**CERTIFICATION:** To the best of my knowledge,

- All business leases and rights-of-way necessary for conducting the proposed operation on State Trust lands have been applied for or obtained,
- The information submitted with this application is **accurate** and **complete**, and
- No loss will accrue to the state of New Mexico as a result of the proposed operation.

I also understand that **no action** will be taken on this application until the required information and fee are submitted to the State Land Office.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Jeanette Barron

Print or Type Name

*Jeanette Barron*  
 Signature

Date

575.748.6974

Phone Number

jbarron@concho.com

e-mail Address

**Submit application to:**  
 Commissioner of Public Lands  
 Attn: Commingling Manager  
 PO Box 1148  
 Santa Fe, NM 87504-1148

**Questions?**  
**Contact the Commingling Manager:**  
 505.827.5791

Upon approval, the requesting organization will receive an acknowledgment letter from the Commissioner of Public Lands.

**NEW MEXICO  
STATE  
LAND OFFICE**

**APPLICATION FOR  
COMMINGLING AND OFF-LEASE STORAGE  
ON STATE TRUST LANDS**



This application form is required for all commingling applications requiring approval by the Commissioner of Public Lands.

**Applicant:** COG OPERATING, LLC

**OGRID #:** 229137

**Well Name:** Pickelhaube State 602H

**API #:** 30-025-46405

**Pool:** 96434 Red Hills; Bone Spring, North

**OPERATOR NAME:** COG OPERATING, LLC

**OPERATOR ADDRESS:** 2208 W. MAIN STREET, ARTESIA, NEW MEXICO

**APPLICATION REQUIREMENTS – SUBMIT:**

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Jeanette Barron

Print or Type Name

Jeanette Barron

Signature

575.748.6974

Phone Number

jbarron@concho.com

e-mail Address

Date

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Commissioner of Public Lands  
Attn: Commingling Manager  
PO Box 1148  
Santa Fe, NM 87504-1148

Questions?  
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505.827.5791

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**NEW MEXICO  
STATE  
LAND OFFICE**

**APPLICATION FOR  
COMMINGLING AND OFF-LEASE STORAGE  
ON STATE TRUST LANDS**



This application form is required for all commingling applications requiring approval by the Commissioner of Public Lands.

**Applicant:** COG OPERATING, LLC  
**Well Name:** Pickelhaube State 701H  
**Pool:** 98116 WC-025 G-09 S253402N;Wolfcamp

**OGRID #:** 229137

**API #:** 30-025-46420

**OPERATOR NAME:** COG OPERATING, LLC

**OPERATOR ADDRESS:** 2208 W. MAIN STREET, ARTESIA, NEW MEXICO

**APPLICATION REQUIREMENTS – SUBMIT:**

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**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Jeanette Barron

Print or Type Name

Jeanette Barron

Signature

575.748.6974

Phone Number

jbarron@concho.com

e-mail Address

Date

**Submit application to:**  
 Commissioner of Public Lands  
 Attn: Commingling Manager  
 PO Box 1148  
 Santa Fe, NM 87504-1148

**Questions?**  
 Contact the Commingling Manager:  
 505.827.5791

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**NEW MEXICO  
STATE  
LAND OFFICE**

**APPLICATION FOR  
COMMINGLING AND OFF-LEASE STORAGE  
ON STATE TRUST LANDS**



This application form is required for all commingling applications requiring approval by the Commissioner of Public Lands.

**Applicant:** COG OPERATING, LLC  
**Well Name:** Pickelhaube State 702H  
**Pool:** 98116 WC-025 G-09 S253402N;Wolfcamp

**OGRID #:** 229137  
**API #:** 30-025-46406

**OPERATOR NAME:** COG OPERATING, LLC  
**OPERATOR ADDRESS:** 2208 W. MAIN STREET, ARTESIA, NEW MEXICO

**APPLICATION REQUIREMENTS – SUBMIT:**

1. New Mexico Oil Conservation Division (NMOCD) application packet (or equivalent information if no application is required by NMOCD),
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Jeanette Barron

Print or Type Name

*Jeanette Barron*  
 Signature

575.748.6974

Phone Number

jbarron@concho.com

e-mail Address

Date

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 Attn: Commingling Manager  
 PO Box 1148  
 Santa Fe, NM 87504-1148

**Questions?**  
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