

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

State of New Mexico  
Energy, Minerals & Natural Resources

**NM OIL CONSERVATION**

ARTESIA DISTRICT

Form C-104  
Revised August 1, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

JUL 03 2017

Submit one copy to appropriate District Office

RECEIVED  AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

|  |  |  |
|--|--|--|
| <sup>1</sup> Operator name and Address<br><b>COG Operating LLC</b><br>One Concho Center<br>600 W. Illinois Ave.<br>Midland, TX 79701 |  | <sup>2</sup> OGRID Number<br>229137  |
|  |  | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW Effective<br>5/30/17 |
| <sup>4</sup> API Number<br>30 - 015 - 41273  | <sup>5</sup> Pool Name<br>Loco Hills;Glorieta Yeso | <sup>6</sup> Pool Code<br>96718  |
| <sup>7</sup> Property Code<br>302524   | <sup>8</sup> Property Name<br>McIntyre DK Federal  | <sup>9</sup> Well Number<br>28H  |

**II. <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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 17      | 17S      | 30E   |         | 465           | South            | 285           | West           | Eddy   |

**<sup>11</sup> Bottom Hole Location**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 16      | 17S      | 30E   |         | 356           | South            | 589           | West           | Eddy   |

| <sup>12</sup> Lse Code | <sup>13</sup> Producing Method Code | <sup>14</sup> Gas Connection Date | <sup>15</sup> C-129 Permit Number | <sup>16</sup> C-129 Effective Date | <sup>17</sup> C-129 Expiration Date |
|------------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| F                      | P                                   | 5/30/17                           |                                   |                                    |                                     |

**III. Oil and Gas Transporters**

| <sup>18</sup> Transporter OGRID | <sup>19</sup> Transporter Name and Address | <sup>20</sup> O/G/W |
|---------------------------------|--|---------------------|
| 27841                           | Navajo Crude Oil Marketing                 | O                   |
| 36785                           | DCP Midstream                              | G                   |

**IV. Well Completion Data**

| <sup>21</sup> Spud Date | <sup>22</sup> Ready Date           | <sup>23</sup> TD        | <sup>24</sup> PBTB         | <sup>25</sup> Perforations | <sup>26</sup> DHC, MC |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|-----------------------|
| 03/27/17                | 05/30/17                           | 10,492MD 4957TVD        | 10416                      | 5156 - 10,396              |                       |
| <sup>27</sup> Hole Size | <sup>28</sup> Casing & Tubing Size | <sup>29</sup> Depth Set | <sup>30</sup> Sacks Cement |                            |                       |
| 17-1/2                  | 13-3/8                             | 293                     | 600sx                      |                            |                       |
| 12-1/4                  | 9-5/8                              | 1127                    | 950sx                      |                            |                       |
| 8-3/4                   | 7                                  | 4261                    |                            |                            |                       |
| 8-3/4                   | 5-1/2                              | 10492                   | 2100sx                     |                            |                       |
|                         | 2-7/8 tbg                          | 5157                    |                            |                            |                       |

**V. Well Test Data**

| <sup>31</sup> Date New Oil | <sup>32</sup> Gas Delivery Date | <sup>33</sup> Test Date | <sup>34</sup> Test Length | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| 06/01/17                   | 06/01/17                        | 06/06/17                | 24hrs                     | 70                          | 70                          |
| <sup>37</sup> Choke Size   | <sup>38</sup> Oil               | <sup>39</sup> Water     | <sup>40</sup> Gas         | <sup>41</sup> Test Method   |                             |
|                            | 303                             | 943                     | 192                       | P                           |                             |

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.  
Signature:

Printed name:

Kanicia Castillo

Title:

Lead Regulatory Analyst

E-mail Address:

kcastillo@concho.com

Date:

6/28/17

Phone:

432-685-4332

OIL CONSERVATION DIVISION

Approved by:

Title:

Geologist

Approval Date:

7-14-17

Pending BLM approvals will subsequently be reviewed and scanned

**NM OIL CONSERVATION**

ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUL 03 2017

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM86025

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

2. Name of Operator **COG OPERATING LLC** Contact: **KANICIA CASTILLO**  
 E-Mail: **kcastillo@concho.com**

3. Address **600 W ILLINOIS AVE ONE CONCHO CENTER MIDLAND, TX 79701** 3a. Phone No. (include area code) Ph: **432-685-4332**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 Sec 17 T17S R30E Mer NMP  
 At surface Lot M 465FSL 285FWL  
 Sec 17 T17S R30E Mer NMP  
 At top prod interval reported below Lot M 440FSL 330FWL  
 Sec 16 T17S R30E Mer NMP  
 At total depth Lot M 356FSL 589FWL

6. If Indian, Allottee or Tribe Name  
 7. Unit or CA Agreement Name and No.  
 8. Lease Name and Well No. **MCINTYRE DK FEDERAL 28H**  
 9. API Well No. **30-015-41273**  
 10. Field and Pool, or Exploratory **LOCO HILLS; GLORIETA YESO**  
 11. Sec., T., R., M., or Block and Survey or Area **Sec 17 T17S R30E Mer NMP**  
 12. County or Parish **EDDY** 13. State **NM**  
 14. Date Spudded **03/27/2017** 15. Date T.D. Reached **04/10/2017** 16. Date Completed  D & A  Ready to Prod. **05/30/2017**  
 17. Elevations (DF, KB, RT, GL)\* **3608 GL**

18. Total Depth: MD **10492** TVD **4957** 19. Plug Back T.D.: MD **10416** TVD **4957** 20. Depth Bridge Plug Set: MD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **CN** 22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit analysis)  
 Directional Survey?  No  Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12.250    | 9.625 J55  | 40.0        |          | 1127        |                      | 950                         |                   |             |               |
| 8.750     | 7.000 L80  | 29.0        |          | 4261        |                      |                             |                   |             |               |
| 8.750     | 5.000 L80  | 17.0        |          | 10492       |                      | 2100                        |                   |             |               |
| 17.500    | 13.375 J55 | 54.5        | 0        | 293         |                      | 600                         |                   | 0           |               |

24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.875 | 5157           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record

| Formation | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-----------|------|--------|---------------------|-------|-----------|--------------|
| A) YESO   | 5156 | 10396  | 5156 TO 10396       | 0.430 | 1188      | OPEN         |
| B)        |      |        |                     |       |           |              |
| C)        |      |        |                     |       |           |              |
| D)        |      |        |                     |       |           |              |

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material  |
|----------------|--|
| 5156 TO 10396  | ACIDIZE W/ 131,040 15% ACID, FRAC W/ 407,946 GALS TREATED WATER, 8,114,106 GALS SLICK WATER, |

28. Production - Interval A

| Date First Produced | Test Date            | Hours Tested     | Test Production | Oil BBL     | Gas MCF     | Water BBL     | Oil Gravity Corr. API | Gas Gravity     | Production Method         |
|---------------------|----------------------|------------------|-----------------|-------------|-------------|---------------|-----------------------|-----------------|---------------------------|
| 06/01/2017          | 06/06/2017           | 24               | ▶               | 303.0       | 192.0       | 943.0         | 40.4                  | 0.60            | ELECTRIC PUMP SUB-SURFACE |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press. 70.0 | 24 Hr. Rate ▶   | Oil BBL 303 | Gas MCF 192 | Water BBL 943 | Gas:Oil Ratio 634     | Well Status POW |                           |

28a. Production - Interval B

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | ▶               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate ▶   | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

Pending BLM approvals will subsequently be reviewed and scanned  
 SC 7-14-17

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #379975 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
 \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

28b. Production - Interval C

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

28c. Production - Interval D

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation  | Top  | Bottom | Descriptions, Contents, etc. | Name       | Top         |
|------------|------|--------|------------------------------|------------|-------------|
|            |      |        |                              |            | Meas. Depth |
| QUEEN      | 2029 |        | SANDSTONE                    | QUEEN      | 2029        |
| GRAYBURG   | 2422 |        | DOLOMITE & ANHYDRITE         | GRAYBURG   | 2422        |
| SAN ANDRES | 2747 |        | DOLOMITE & ANHYDRITE         | SAN ANDRES | 2747        |
| PADDOCK    | 4213 |        | DOLOMITE                     | PADDOCK    | 4213        |
| BLINEBRY   | 4791 |        | DOLOMITE                     | BLINEBRY   | 4791        |

32. Additional remarks (include plugging procedure):  
Logs will be submitted in WIS.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #379975 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad**

Name (please print) KANICIA CASTILLO

Title PREPARER

Signature \_\_\_\_\_ (Electronic Submission)

Date 06/28/2017

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

|  |  |  |
|--|--|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |  | 5. Lease Serial No.<br>NMNM86025                     |
| 2. Name of Operator<br>COG OPERATING LLC   |  | 6. If Indian, Allottee or Tribe Name                 |
| 3a. Address<br>600 W ILLINOIS AVE<br>MIDLAND, TX 79701   |  | 7. If Unit or CA/Agreement, Name and/or No.          |
| 3b. Phone No. (include area code)<br>Ph: 432-685-4332  |  | 8. Well Name and No.<br>MCINTYRE DK FEDERAL 28H      |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 17 T17S R30E Mer NMP 465FSL 285FWL                 |  | 9. API Well No.<br>30-015-41273                      |
|  |  | 10. Field and Pool or Exploratory Area<br>LOCO HILLS |
|  |  | 11. County or Parish, State<br>EDDY COUNTY, NM       |

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |   |  |  |
|--|---|---|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                          |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                          |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other<br>Drilling Operations |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |  |
|  | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |  |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

OCD has requested the submittal of the following information.

Please see below csg test.

3/28/17 13-3/8 csg string 1500psi for 30mins, good test  
3/31/17 9-5/8 csg string 1500psi for 30 mins, good test  
4/17/17 5-1/2 & 7 csg string 4500psi for 30mins, good test

All cement strings circulated to surface.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JUL 14 2017

RECEIVED

|  |                 |
|--|-----------------|
| 14. I hereby certify that the foregoing is true and correct.<br><b>Electronic Submission #381379 verified by the BLM Well Information System<br/>For COG OPERATING LLC, sent to the Carlsbad</b> |                 |
| Name (Printed/Typed) KANICIA CASTILLO  | Title PREPARER  |
| Signature (Electronic Submission)  | Date 07/14/2017 |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |             |            |
|---|-------------|------------|
| Approved By _____   | Title _____ | Date _____ |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |             |            |
| Office _____  |             |            |

Pending BLM approvals will subsequently be reviewed and scanned  
JC 7-14-17

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM86025

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

8. Well Name and No.  
MCINTYRE DK FEDERAL 28H

9. API Well No.  
30-015-41273

10. Field and Pool or Exploratory Area  
LOCO HILLS; GLORIETA YESO

11. County or Parish, State  
EDDY COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
COG OPERATING LLC  
Contact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com

3a. Address  
600 W ILLINOIS AVE  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-685-4332

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 17 T17S R30E Mer NMP 465FSL 285FWL

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |   |  |   |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                       |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                       |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other Drilling Operations |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

4/17/17 Test csg to 4500psi for 15min, good.  
4/18/17 Drill 58' of new hole to 10,550 new TD. Acidized csg w/ 2500 gals acid.  
4/19/17 Pressure test frac valve to 7500#, good test.  
4/24/17 - 5/18/17 Perf 33 stages @ 5156 ? 10,396 w/6 SPF, 1188 holes. Acidize 33 stages w/131,040 gals 15% HCL. Frac w/407,946 gals treated water, 8,114,106 gals slick water, 2,504,000# 100 mesh sand, 2,528,180# 40/70 white sand, 939,420 40/70 Garnet sand, 1,935,760# 40/70 CRC.  
5/22/17 ?5/25/17 Drill out plugs. Clean out to PBD 10,416.  
5/30/17 RIH w/ESP, 146jts 2-7/8" J55 tbg, EOT @ 5157. Hang on.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JUL 03 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #379945 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO Title PREPARER

Signature (Electronic Submission) Date 06/27/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2) any department or agency of the United

Pending BLM approvals will subsequently be reviewed and scanned  
BC 7-14-17

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**NM OIL CONSERVATION**

ARTESIA DISTRICT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUL 10 2017

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OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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**SUBMIT IN TRIPLICATE - Other instructions on page 2**

|  |  |  |
|--|--|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |  | 5. Lease Serial No.<br>NMNM86025                     |
| 2. Name of Operator<br>COG OPERATING LLC   |  | 6. If Indian, Allottee or Tribe Name                 |
| 3a. Address<br>600 W ILLINOIS AVE<br>MIDLAND, TX 79701   |  | 7. If Unit or CA/Agreement, Name and/or No.          |
| 3b. Phone No. (include area code)<br>Ph: 432-685-4332  |  | 8. Well Name and No.<br>MCINTYRE DK FEDERAL 28H      |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 17 T17S R30E Mer NMP 465FSL 285FWL                 |  | 9. API Well No.<br>30-015-41273                      |
|  |  | 10. Field and Pool or Exploratory Area<br>LOCO HILLS |
|  |  | 11. County or Parish, State<br>EDDY COUNTY, NM       |

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| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |   |  |  |
|--|---|---|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                          |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                          |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other<br>Drilling Operations |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |  |
|  | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |  |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

3/27/17 Spud 17-1/2? @ 2:00pm. TD 17-1/2? @ 293?. Ran 7jts 13-3/8? J55 54.5# @293?. Cmt w/300sx C & 300sx thixotropic cmt lead, 450sx C tail.  
 3/28/17 PD @ 12:15am. Circ 600sxs. WOC 12hrs. Test BOP to 250# low to 2000# high for 10 min, good test.  
 3/29/17 TD 12-1/4? @1127?. Ran 25jts 9-5/8? J55 40# @ 1127?. Cmt w/650sx C, 300sx thixotropic cmt lead, 200sxs C tail.  
 3/30/17 PD @ 4:08am. Circ 0sxs. WOC. Notified Zota Stevens of cmt results. Run temp survey, cmt @ 130?. Run 1? w/ 83 sx C. Circ 21sx to surface. Test BOP to 250# low to 2000# high for 10min, good test.  
 4/02/17 TD 8-3/4? vertical hole @ 4261. KOP @ 4261?  
 4/04/17 TD 8-3/4? curve @ 5362?  
 4/10/17 TD 8-3/4? lateral @ 10,492?MD, 4957?TVD.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #373299 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad**

|                                       |                 |
|---------------------------------------|-----------------|
| Name (Printed/Typed) KANICIA CASTILLO | Title PREPARER  |
| Signature (Electronic Submission)     | Date 04/19/2017 |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |             |              |
|---|-------------|--------------|
| Approved By _____   | Title _____ | Date _____   |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |             | Office _____ |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED**

Pending BLM approvals will subsequently be reviewed and scanned

bc 7-14-17

**Additional data for EC transaction #373299 that would not fit on the form**

**32. Additional remarks, continued**

4/11/17 Ran, 104jts 7? L80 LTC 29# @ 4248?, 151jts 5-1/2? L80 LTC 17# @ 10,481?.

4/12/17 Cmt w/500sx C lead, 1600sxs C tail. Circ 398sxs. PD @ 10:51am. RR.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM86025

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

8. Well Name and No.  
MCINTYRE DK FEDERAL 28H

9. API Well No.  
30-015-41273

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
COG OPERATING LLC  
Contact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com

3a. Address  
600 W ILLINOIS AVE  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-685-4332

10. Field and Pool or Exploratory Area  
LOCO HILLS; GLORIETA YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 17 T17S R30E Mer NMP 465FSL 285FWL

11. County or Parish, State  
EDDY COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |   |  |   |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input checked="" type="checkbox"/> Water Disposal |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COG Operating LLC, respectfully requests this water disposal method for the following battery.

McIntyre DK Federal 15 Battery  
Producing Formation: Loco Hills; Glorieta-Yeso  
Amount Produced: 650 BWPD  
Water stored in two 500 bbl Water Tank  
Water is transported by 4" DR9 Polypipe to COG's 8" main line water system. The water doesn't go to a particular well, it is distributed into the main water system and is distributed into either the Jenkins B Water Flood WFX-861 or the disposal wells in the system at the Empire Area. The Empire Area wells include the following:  
GJ West Coop Unit Water Flood WFX-245-0  
Chase 21 State Com 1 SWD - 30-015-30874 SWD-1007

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
JUL 03 2017

**RECEIVED**

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #379978 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad**

|                                       |                 |
|---------------------------------------|-----------------|
| Name (Printed/Typed) KANICIA CASTILLO | Title PREPARER  |
| Signature (Electronic Submission)     | Date 06/28/2017 |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |              |
|---|--------------|
| Approved By _____   | Title _____  |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office _____ |

Pending BLM approvals will subsequently be reviewed and scanned  
30 7-14-17

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person known to the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #379978 that would not fit on the form**

**32. Additional remarks, continued**

Big George SWD 3 - 30-015-28759 SWD-611  
Muskegon 16 State Com 1 SWD - 30-015-27108 SWD-624

When trucking water is needed:

The water is hauled to a public disposal in the area.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM86025

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

8. Well Name and No.  
MCINTYRE DK FEDERAL 28H

9. API Well No.  
30-015-41273

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
COG OPERATING LLC  
Contact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com

3a. Address  
600 W ILLINOIS AVE  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-685-4332

10. Field and Pool or Exploratory Area  
LOCO HILLS; GLORIETA YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 17 T17S R30E Mer NMP 465FSL 285FWL

11. County or Parish, State  
EDDY COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |   |  |   |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Site Facility Diagram/Security Plan       |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Please see attached facility diagram.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JUL 03 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #379981 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO Title PREPARER

Signature (Electronic Submission) Date 06/28/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office \_\_\_\_\_

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AC 7-14-17

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(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

# SITE FACILITY DIAGRAM

MCINTYRE DK FED 15 BATTERY  
 SECT 17, T17S, R30E  
 Lease No. NMMN86025

## WELLS:

MCINTYRE DK FEDERAL 1 30-015-04184  
 MCINTYRE DK FEDERAL 10 (7R/Q/GB/SA) 30-015-29424  
 MCINTYRE DK FEDERAL 10 (Glor Yesso) 30-015-29424  
 MCINTYRE DK FEDERAL 11 (7R/Q/GB/SA) 30-015-30981  
 MCINTYRE DK FEDERAL 11 (Glor Yesso) 30-015-30981  
 MCINTYRE DK FEDERAL 12Y (7R/Q/GB/SA) 30-015-30772  
 MCINTYRE DK FEDERAL 12Y (Glor Yesso) 30-015-30772  
 MCINTYRE DK FEDERAL 13 30-015-30679  
 MCINTYRE DK FEDERAL 14 (7R/Q/GB/SA) 30-015-34537  
 MCINTYRE DK FEDERAL 14 (Glor Yesso) 30-015-34537  
 MCINTYRE DK FEDERAL 15 30-015-40896  
 MCINTYRE DK FEDERAL 17H 30-015-37821  
 MCINTYRE DK FEDERAL 18 30-015-40897  
 MCINTYRE DK FEDERAL 19 30-015-40898

## Production Phase

### Oil Tank #1:

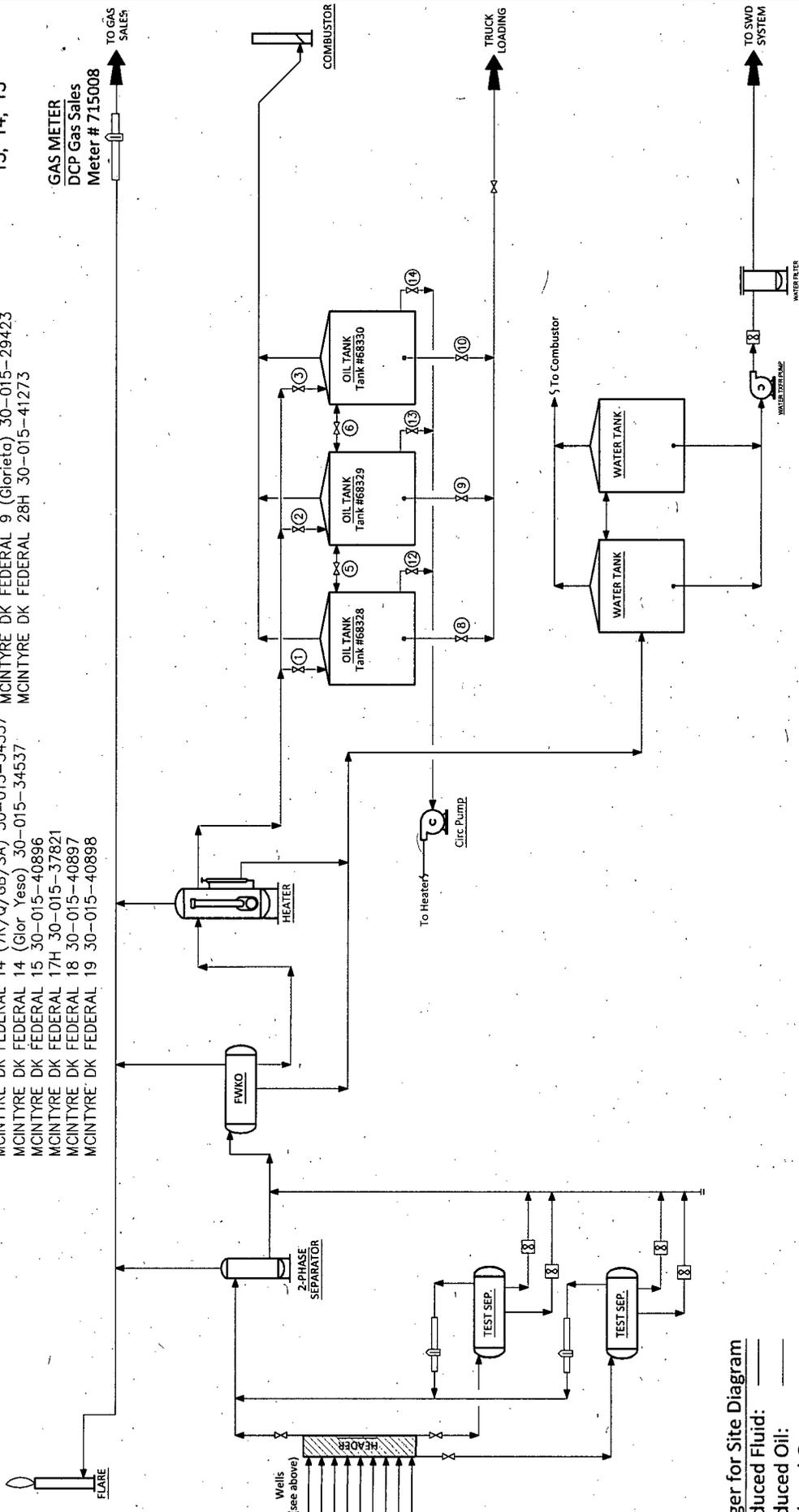
Open Valves: 1, 5, 6  
 Closed Valves: 2, 3, 8, 9, 10, 12, 13, 14, 15

### Sales Phase

#### Oil Tank #1:

Open Valves: 2, 3, 8  
 Closed Valves: 1, 5, 6, 9, 10, 12, 13, 14, 15

GAS METER  
 DCP Gas Sales  
 Meter # 715008



## Ledger for Site Diagram

Produced Fluid: \_\_\_\_\_  
 Produced Oil: \_\_\_\_\_  
 Produced Gas: \_\_\_\_\_  
 Produced Water: \_\_\_\_\_



Location of Site Security Plan:  
**COG Operating, LLC.**  
 600 W. Illinois  
 Midland, TX 79701

DATE: 4/27/2017 KH  
 BY: Addition of McIntyre DK Fed Com 28H

REVISION DESCRIPTION

SITE FACILITY DIAGRAM  
 McIntyre DK Fed 15 Battery  
 Eddy County, NM