

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., 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 and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505



|   |
|---|
| WELL API NO.<br><b>30-015-35764</b>   |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.  |
| 7. Lease Name or Unit Agreement Name<br><b>Mesilla State</b>  |
| 8. Well Number<br><b>6</b>  |
| 9. OGRID Number<br><b>229137</b>  |
| 10. Pool name or Wildcat<br><b>LOCO HILLS; Paddock 96718</b>  |

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ **MAY 21 2008**  
2. Name of Operator **COG Operating LLC** **OCD-ARTESIA**

3. Address of Operator  
**550 W. Texas Ave., Suite 1300 Midland, TX 79701**

4. Well Location  
Unit Letter **H** : **2270** feet from the **North** line and **990** feet from the **East** line  
Section **16** Township **17S** Range **30E** NMPM County **EDDY**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**3686' GR**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: **Completion** ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

12-03-07 Perf w/ 2 SPF, 48 holes @ 5560 - 5760. Acidize w/ 5000 gals acid.

Frac w/ 17,051 gals gel, 3,525# 16/30 sand.

12-04-07 Perf w/ 2 SPF, 36 holes @ 5100 - 5300. Acidize w/ 5840 gals acid.

Frac w/ 77,708 gals gel, 28,900# SiberProp, and 85,181# 16/30 sand.

Perf w/ 2 SPF, 36 holes @ 4890 - 4990. Acidize w/ 5000 gals acid.

Frac w/ 68,124 gals gel, 5330# SiberProp, 95,080# 16/30 sand.

12-06-07 RIH w/ 177 jts 2-7/8" J55 tbg, SN @ 5757'. RIH w/ 2-1/2" x 2" x 20' pump w/ on/off tool. Hang well on.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Kanicia Carrillo TITLE Regulatory Analyst DATE 12-27-07

Type or print name **Kanicia Carrillo** E-mail address: **kcarrillo@conchoresources.com** Telephone No. **432-685-4332**  
For State Use Only

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any): \_\_\_\_\_

Accepted for record - NMOCD

**Mesilla State #6**  
**API#: 30-015-35764**  
**EDDY, NM**

**C-105 (#27) ADDITIONAL INFORMATION**

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |   |
|---|---|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED                 |
| 4890 - 4990                                     | Acidize w/ 2500 gals acid.                    |
|   | Frac w/ 91,000 gals gel,                      |
|   | 8000# LiteProp 14/30, and 84,560# 16/30 sand. |

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |   |
|---|---|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED                 |
| 5100 - 5300                                     | Acidize w/ 2500 gals acid.                    |
|   | Frac w/ 93,954 gals,                          |
|   | 8000# LiteProp 14/30, and 90,640# 16/30 sand. |

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |   |
|---|---|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED                 |
| 5560 - 5760                                     | Acidize w/ 2500 gals acid.                    |
|   | Frac w/ 93,954 gals,                          |
|   | 8000# LiteProp 14/30, and 90,640# 16/30 sand. |

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## State of New Mexico

## Energy, Minerals and Natural Resources

## Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Form C-102  
Permit 59609

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                               |                                       |   |
|-------------------------------|---------------------------------------|---|
| 1. API Number<br>30-015-35764 | 2. Pool Code<br>96718                 | 3. Pool Name<br>LOCO HILLS; GLORIETA-YESO |
| 4. Property Code<br>302526    | 5. Property Name<br>MESILLA STATE     | 6. Well No.<br>006                        |
| 7. OGRID No.<br>229137        | 8. Operator Name<br>COG OPERATING LLC | 9. Elevation<br>3688                      |

## 10. Surface Location

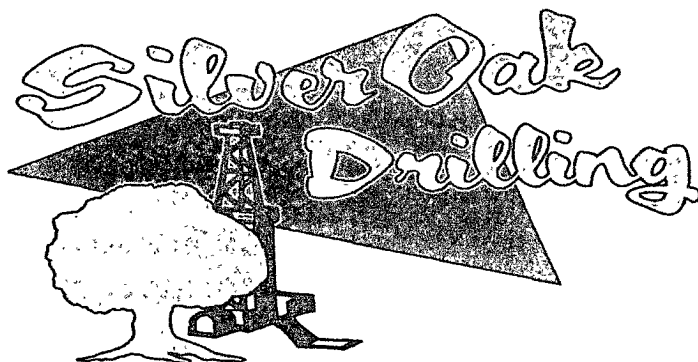
|               |               |                 |              |         |                   |               |                  |               |                |
|---------------|---------------|-----------------|--------------|---------|-------------------|---------------|------------------|---------------|----------------|
| UL - Lot<br>H | Section<br>16 | Township<br>17S | Range<br>30E | Lot Idn | Feet From<br>2270 | N/S Line<br>N | Feet From<br>990 | E/W Line<br>E | County<br>EDDY |
|---------------|---------------|-----------------|--------------|---------|-------------------|---------------|------------------|---------------|----------------|

## 11. Bottom Hole Location If Different From Surface

|                              |                     |                        |               |         |           |          |           |          |        |
|------------------------------|---------------------|------------------------|---------------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot                     | Section             | Township               | Range         | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| 12. Dedicated Acres<br>40.00 | 13. Joint or Infill | 14. Consolidation Code | 15. Order No. |         |           |          |           |          |        |

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

|  |  |  |
|--|--|--|
|  | <b>OPERATOR CERTIFICATION</b>  |  |
|  | <p><i>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(s) 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.</i></p> |  |
|  | <p>E-Signed By: Diane Kuykendall<br/>Title: Regulatory Analyst<br/>Date: 8/21/2007</p>   |  |
|  | <b>SURVEYOR CERTIFICATION</b>  |  |
|  | <p><i>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.</i></p>  |  |
|  | <p>Surveyed By: Ronald Eidson<br/>Date of Survey: 8/2/2007<br/>Certificate Number: 3239</p>  |  |



PO Box 1370  
Artesia, NM 88211-1370  
(505) 748-1288

October 29, 2007

COG, LLC  
Fasken Center, Tower II  
550 West Texas Ave, Suite 1300  
Midland, TX 79701

RE: Mesilla State #6  
2270' FNL & 990' FWL  
Sec. 16, T17S, R30E  
Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

| <u>DEPTH</u> | <u>DEVIATION</u> | <u>DEPTH</u> | <u>DEVIATION</u> |
|--------------|------------------|--------------|------------------|
| 234.00       | 0.75             | 3220.00      | 1.00             |
| 400.00       | 1.00             | 3545.00      | 1.00             |
| 644.00       | 0.75             | 3862.00      | 1.00             |
| 890.00       | 1.00             | 4178.00      | 0.25             |
| 1200.00      | 1.25             | 4466.00      | 1.75             |
| 1446.00      | 1.00             | 4780.00      | 1.75             |
| 1732.00      | 1.00             | 5102.00      | 1.00             |
| 2050.00      | 1.00             | 5452.00      | 1.00             |
| 2331.00      | 0.25             | 5770.00      | 1.25             |
| 2654.00      | 1.00             | 5910.00      | 0.25             |
| 2940.00      | 0.75             |              |                  |

Very truly yours,

Eddie LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 29<sup>th</sup> day of October, 2007.

Notary Public

