

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

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

Form C-103  
May 27, 2004

|   |
|---|
| WELL API NO.<br><b>30-015-34829</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>STATE S-19</b>   |
| 8. Well Number<br><b>27</b>   |
| 9. OGRID Number<br><b>229137</b>  |
| 10. Pool name or Wildcat<br><b>EMPIRE; YESO 96210</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 ☐

2. Name of Operator  
**COG Operating LLC**

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

4. Well Location  
Unit Letter **O** : **330'** feet from the **South** line and **2185'** feet from the **East** line  
Section **19** Township **17S** Range **29E** NMPM County **EDDY**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**3644' GR**

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type **DRILLING** Depth to Groundwater **115'** Distance from nearest fresh water well **1000'** Distance from nearest surface water **1000'**

Pit Liner Thickness: **12** 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.

11-27-06 Perf Yeso w/ 2 SPF @ 5019' - 5287.5' (56 holes).  
11-28-06 Acidize w/ 2500 gals acid.  
11-29-06 Frac w/ 94,000 gals gel, 8016# LiteProp, & 91,020# 16/30 sand.  
11-30-06 Perf Yeso w/ 2 SPF @ 4683.5' - 4920.5' (54 holes). Acidize w/ 2500 gals acid.  
12-1-06 Frac w/ 57,532 gals, 8,000# LiteProp, 88,603# 16/30 sand.  
12-2-06 Perf Yeso w/ 2 SPF @ 4234.5' - 4585' (66 holes). Acidize w/ 2500 gals acid.  
12-5-06 RIH w/ 167 jts 2-7/8" J55 tbg, SN @ 5299'. RIH w/ 2-1/2" x 2" x 20' pump. Turn to production.

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 Phyllis Edwards TITLE Regulatory Analyst DATE 1-15-07

Type or print name **Phyllis Edwards** E-mail address: **pedwards@conchoresources.com** Telephone No. **432-685-4340**  
**For State Use Only**

APPROVED BY: **FOR RECORDS ONLY** TITLE \_\_\_\_\_ DATE **JAN 23 2007**  
Conditions of Approval (if any):

STATE S-19 #27  
API#: 30-015-34829  
EDDY, NM

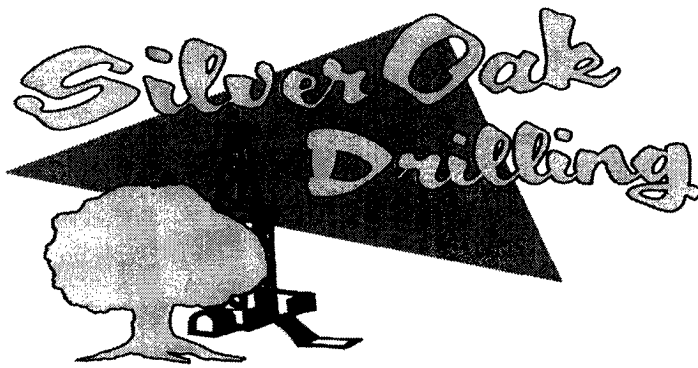


**C-105 (#27) ADDITIONAL INFORMATION**

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |                               |
|---|-------------------------------|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED |
| 4234.5' – 4585'                                 | Acidize w/2500 gals acid.     |
|   |                               |
|   |                               |

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |                                       |
|---|---------------------------------------|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED         |
| 4683.5' – 4920.5'                               | Acidize w/2500 gals acid.             |
|   | Frac w/ 57,532 gals gel,              |
|   | 8000# LiteProp, & 88,603# 16/30 sand. |

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |  |
|---|--|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED          |
| 5019.5' – 5287.5'                               | Acidize w/2500 gals acid.              |
|   | Frac w/ 94,500 gals gel,               |
|   | 8016# Lite Prop, & 91,020# 16/30 sand. |



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



November 21, 2006

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

RE: State S-19 #27  
330' FSL & 2185' FEL  
Sec. 19, T17S, R29E  
Eddy County, New Mexico

Dear Sir,

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

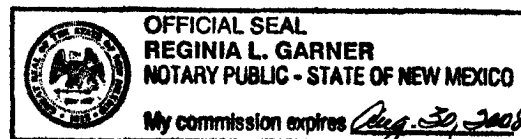
| <u>DEPTH</u> | <u>DEVIATION</u> | <u>DEPTH</u> | <u>DEVIATION</u> |
|--------------|------------------|--------------|------------------|
| 218'         | 3/4°             | 2758'        | 1/2°             |
| 493'         | 1/4°             | 3223'        | 3/4°             |
| 647'         | 1/2°             | 3701'        | 1/4°             |
| 841'         | 1°               | 4131'        | 1/4°             |
| 1297'        | 1/4°             | 4629'        | 1/4°             |
| 1856'        | 1/4°             | 5099'        | 3/4°             |
| 2322'        | 1/4°             | 5430'        | 1°               |

Very truly yours,

Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 21<sup>st</sup> day of November, 2006.

  
Notary Public

1625 N. French Dr., Hobbs, NM 88240  
Phone: (505) 393-6161 Fax: (505) 393-0720

**District II**

1301 W. Grand Ave., Artesia, NM 88210  
Phone: (505) 748-1283 Fax: (505) 748-9720

**District III**

1000 Rio Bravos Rd., Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3470 Fax: (505) 476-3462

**State of New Mexico**  
**Geology, Minerals and Natural Resources**

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

Permit 28707

RECEIVED  
OCD - ARTESIA

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |                                       |                              |
|-------------------------------|---------------------------------------|------------------------------|
| 1. API Number<br>30-015-34829 | 2. Pool Code<br>96210                 | 3. Pool Name<br>EMPIRE, YESO |
| 4. Property Code<br>302569    | 5. Property Name<br>STATE S-19        | 6. Well No.<br>027           |
| 7. UGRID No.<br>229137        | 8. Operator Name<br>COG OPERATING LLC | 9. Elevation<br>3644         |

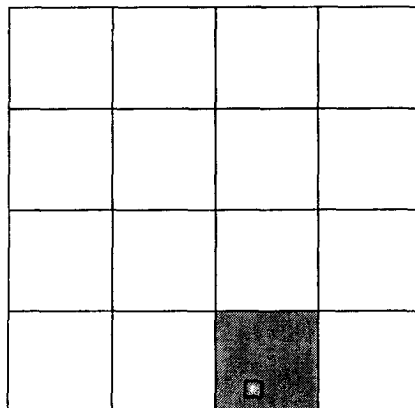
**10. Surface Location**

|               |               |                 |              |         |                  |               |                   |               |                |
|---------------|---------------|-----------------|--------------|---------|------------------|---------------|-------------------|---------------|----------------|
| UL - Lot<br>O | Section<br>19 | Township<br>17S | Range<br>29E | Lot Idn | Feet From<br>330 | N/S Line<br>S | Feet From<br>2185 | 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**



**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(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.*

E-Signed By: Diane Kuykendall

Title: Regulatory Analyst

Date: 4/28/2006

**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.*

Surveyed By: Gary Eidson

Date of Survey: 4/27/2006

Certificate Number: 12641