



OCD-ARLESIA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

## WELL COMPLETION OR RECOMPLETION REPORT

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**

3. Address **550 W. Texas, Suite 1300, Midland, TX 79701** 3a. Phone No. (include area code) **432-685-4340**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **1980' FSL & 1650' FEL, Unit K**  
At top prod. interval reported below  
At total depth

5. Lease Serial No. **LC-028775B**

6. If Indian, Allottee or Tribe Name  
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7. Unit or CA Agreement Name and No. **NM 71024X**

8. Lease Name and Well No. **R J Unit #136**

9. AFI Well No. **30-015-34975**

10. Field and Pool, or Exploratory **Grayburg Jackson SR Q G SA**

11. Sec., T., R., M., on Block and Survey or Area **Sec 27, T17S, R29E**

12. County or Parish **Eddy** 13. State **NM**

14. Date Spudded **09/14/2006** 15. Date T.D. Reached **09/22/2006** 16. Date Completed **10/11/2006**  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\* **3525' GL**

18. Total Depth: MD **3615'** 19. Plug Back T.D.: MD **3576'** 20. Depth Bridge Plug Set: MD **None**  
TVD TVD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CN / HNGS, Micro CFL / HNGS**

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

## 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 Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 17-1/2    | 13-3/8     | 48          |          | 242         |                      | 447 sx Cl C                  |                   | Surface     |               |
| 12-1/4    | 8-5/8      | 24          |          | 871         |                      | 670 sx Cl C                  |                   | Surface     |               |
| 7-7/8     | 5-1/2      | 17          |          | 3607        |                      | 1200 sx Cl C                 |                   | Surface     |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |

## 24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2-3/8 | 3390           | None              |      |                |                   |      |                |                   |

## 25. Producing Intervals

| Formation     | Top | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|---------------|-----|--------|---------------------|-------|-----------|--------------|
| A) San Andres |     |        | 2672.5' - 2948.5'   | 2 SPF | 66        | Open         |
| B) San Andres |     |        | 3061.5' - 3382.5'   | 2 SPF | 33        | Open         |
| C)            |     |        |                     |       |           |              |
| D)            |     |        |                     |       |           |              |

## 26. Perforation Record

## 27. Acid, Fracture, Treatment, Cement Squeeze, etc.

| Depth Interval    | Amount and Type of Material                                   |
|-------------------|---|
| 2672.5' - 2948.5' | Acidize w/ 2000 gals acid                                     |
|                   | Frac w/ 91,820 gals gel, 8012# LiteProp, & 90,660# 16/30 sand |
| 3061.5' - 3382.5' | Acidize w/ 2000 gals acid                                     |
|                   | Frac w/ 93,408 gals gel, 8039# LiteProp, 90,580# 16/30 sand   |

## 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 10/13/2006          | 10/25/2006           | 24           | →               | 52      | 88      | 290       | 36.2                  |             | Pumping           |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status | Producing         |
|                     |                      |              | →               |         |         |           |                       |             |                   |

## 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 |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

\*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

DEC 12 2006

WESLEY W. INGRAM  
PETROLEUM ENGINEER

## 28b. Production - Interval C

| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg.<br>SI | Csg. Press.  | 24 Hr.<br>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<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg.<br>SI | Csg. Press.  | 24 Hr.<br>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<br>Meas. Depth |
|------------|------|--------|------------------------------|------|--------------------|
| Queen      | 1784 |        |                              |      |                    |
| Grayburg   | 2190 |        |                              |      |                    |
| San Andres | 2524 |        |                              |      |                    |

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)   
 ☐ Geologic Report   
 ☐ DST Report   
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification   
 ☐ Core Analysis   
☒ Other:

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

Name (please print) Phyllis A. EdwardsTitle Regulatory AnalystSignature Phyllis A. EdwardsDate 11/20/2006

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.

# Silver Oak Drilling, LLC

PO Box 1370  
Artesia, NM 88211-1370  
505/748-1288

October 3, 2006

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

RE: RJ Unit #136  
1980' FSL & 1650' FEL  
Sec. 27, 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> |
|--------------|------------------|--------------|------------------|
| 308'         | 1/2°             | 2202'        | 3/4°             |
| 617'         | 1/2°             | 2637'        | 1°               |
| 1053'        | 1/2°             | 3072'        | 1°               |
| 1519'        | 3/4°             | 3615'        | 1 1/4°           |
| 1985'        | 3/4°             |              |                  |

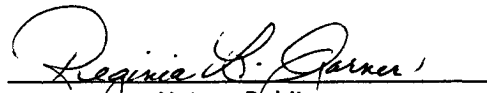
Very truly yours,



Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 3<sup>RD</sup> day of October, 2006.

  
Notary Public

