

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires: March 31, 2007

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 reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

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

3a. Address
550 W. Texas Ave., Suite 1300 Midland, TX 79701

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**330 FSL & 330 FWL
SEC. 10, T17S, R30E, UNIT M**

5. Lease Serial No.

NM-074935

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

ELECTRA FEDERAL #15

9. API Well No.

30-015-35430

10. Field and Pool, or Exploratory Area

LOCO HILLS; Glorietta Yeso

11. County or Parish, State

EDDY, NM

12. CHECK 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"/> Fracture Treat | <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 Completion |
| | <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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**10/10/2007 Perforate w/2 SPF @ 5620 - 5820, 60 holes. Acidize w/ 2500 gals Acid.
Frac w/ 5,765# LiteProp 14/30, 61,325# 16/30 sand.**

**10/11/2007 Perforate w/2 SPF @ 5330 - 5530, 36 holes. Acidize w/2500 gals Acid.
Frac w/ 5,660# LiteProp 14/30, 63,279# 16/30 sand.
Perforate w/2 SPF @ 5020 - 5220, 36 holes. Acidize w/ 2530 gals Acid.
Frac w/ 6,171# LiteProp 14/30, 65,684# 16/30 sand.**

10/16/2007 RIH w/179 jts. 2 7/8" tbg., SN @ 5836'.

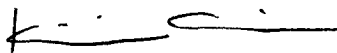
10/17/2007 RIH w/ 2 1/2"x2x24' RHTC pump. Hang well on.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Kanicia Carrillo

Title **Regulatory Analyst**

Signature



Date

11/06/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Title

Date

Office

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.

(Instructions on page 2)

State of New Mexico

Energy, Minerals and Natural Resources Department



Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT I

1625 N. FRENCH DR., BOBBS, NM 88240

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. NOV 13 2007
Santa Fe, New Mexico 87505

OCD-ARTESIA

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | | |
|----------------------------|-------------------------------------|--------------------|--|
| API Number 30-015-35430 | | Pool Code 96718 | Pool Name Loco Hills; Glorieta-Yeso |
| Property Code 302483 | Property Name ELECTRA FEDERAL | | Well Number 15 |
| OGRID No. 229137 | Operator Name COG OPERATING, LLC | | Elevation 3695' |

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 | 10 | 17-S | 30-E | | 330 | SOUTH | 330 | WEST | EDDY |

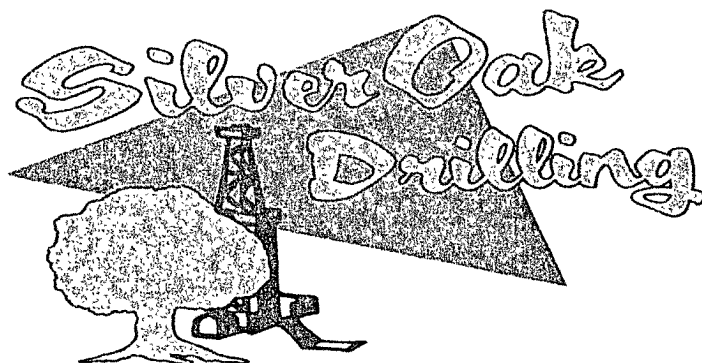
Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|-----------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| Dedicated Acres 40 | Joint or Infill | Consolidation Code | 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

| | | |
|--|--|---|
| | <p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=670432.5 N X=612579.2 E</p> <p>LAT.=32.842567° N LONG.=103.966778° W</p> | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Jerry W. Sherrell</i> 12/26/06 Signature Date</p> <p>Jerry W. Sherrell Printed Name</p> |
| | <p>SURVEYOR CERTIFICATION</p> <p>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>NOVEMBER 21, 2006</p> <p>Date Surveyed LA</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Gary H. Edson</i> 12/07/06 06.11.1793</p> <p>Certificate No. GARY EIDSON 12841</p> | |

S



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

October 3, 2007

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

NOV 13 2007
OCD-ARTESIA

RE: Electra Federal #15
330' FSL & 330' FWL
Sec. 10, 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> |
|--------------|------------------|--------------|------------------|
| 187.00 | 0.50 | 3260.00 | 1.00 |
| 680.00 | 1.00 | 3741.00 | 1.75 |
| 924.00 | 2.75 | 4113.00 | 1.00 |
| 1081.00 | 1.75 | 4369.00 | 1.50 |
| 1358.00 | 1.25 | 4669.00 | 1.50 |
| 1523.00 | 1.00 | 4990.00 | 1.25 |
| 1804.00 | 1.00 | 5290.00 | 1.25 |
| 2104.00 | 1.00 | 5603.00 | 1.00 |
| 2558.00 | 1.50 | 5895.00 | 1.00 |
| 2810.00 | 0.75 | | |

Very truly yours,

A handwritten signature in cursive script, appearing to read "Eddie LaRue".

Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 3rd day of October, 2007.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".
Notary Public