

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SEP - 8 2008

OCD-ARTESIA

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM074935

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
COG OPERATING LLC

Contact: KANICIA CARRILLO  
E-Mail: kcarrillo@conchoresources.com

8. Lease Name and Well No.  
ELECTRA FEDERAL 21

3. Address 550 WEST TEXAS AVE STE 1300  
MIDLAND, TX 79701

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

9. API Well No.  
30-015-35896

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface Lot K 1650FSL 1630FWL 32.84619 N Lat, 103.96254 W Lon

At top prod interval reported below Lot K 1650FSL 1630FWL 32.84619 N Lat, 103.96254 W Lon

At total depth Lot K 1650FSL 1630FWL 32.84619 N Lat, 103.96254 W Lon

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

11. Sec., T., R., M., or Block and Survey  
or Area Sec 10 T17S R30E Mer

12. County or Parish  
EDDY

13. State  
NM

14. Date Spudded  
06/21/2008

15. Date T D. Reached  
07/02/2008

16. Date Completed  
☐ D & A ☒ Ready to Prod  
07/24/2008

17. Elevations (DF, KB, RT, GL)\*  
3675 GL

18. Total Depth: MD  
TVD 5947

19. Plug Back T.D.: MD  
TVD 5898

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
COMPENSATED NEUTRON CCL

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 Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.500	13 375 H40	48.0		443		1235		0	5
11.000	8 625 J55	32.0		1300		600		0	176
7.875	5 500 J55	17.0		5947		1000		0	174

## 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	4828							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4940	5140	4940 TO 5140	0.410	36	OPEN
B) YESO	5210	5410	5210 TO 5410	0.410	36	OPEN
C) YESO	5510	5710	5510 TO 5710	0.410	48	OPEN
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
4940 TO 5140	ACIDIZE W/2,500 GALS ACID FRAC W/143,000 GALS GEL, 19,700# 16/30 SAND, 27,700# SIBERPROP SAND
5210 TO 5410	ACIDIZE W/2,500 GALS ACID FRAC W/128,000 GALS GEL, 194,200# 16/30 SAND, 30,000# SIBERPROP SAND
5510 TO 5710	ACIDIZE W/2,500 GALS ACID FRAC W/57,000 GALS GEL, 38,500# 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
08/01/2008	08/08/2008	24	→	104.0	162.0	800.0	38.2		ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	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	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #62731 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 →	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	

## 28c. Production - Interval D

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	

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
YATES 7 RIVERS QUEEN YESO TUBB	1170 1450 2050 4280 5750				

32. Additional remarks (include plugging procedure):  
Logs will be mailed.

## 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 #62731 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 09/04/2008

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 \*\***

District I  
1625 N. French Dr., Hobbs, 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

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease- 4 Copies  
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35896		Pool Code 96718	Pool Name LOCO HILLS : GLORIETA YESO
Property Code 302483	Property Name ELECTRA FEDERAL		Well Number 21
OGRID No. 229137	Operator Name COG OPERATING LLC.		Elevation 3704.2'

Surface Location

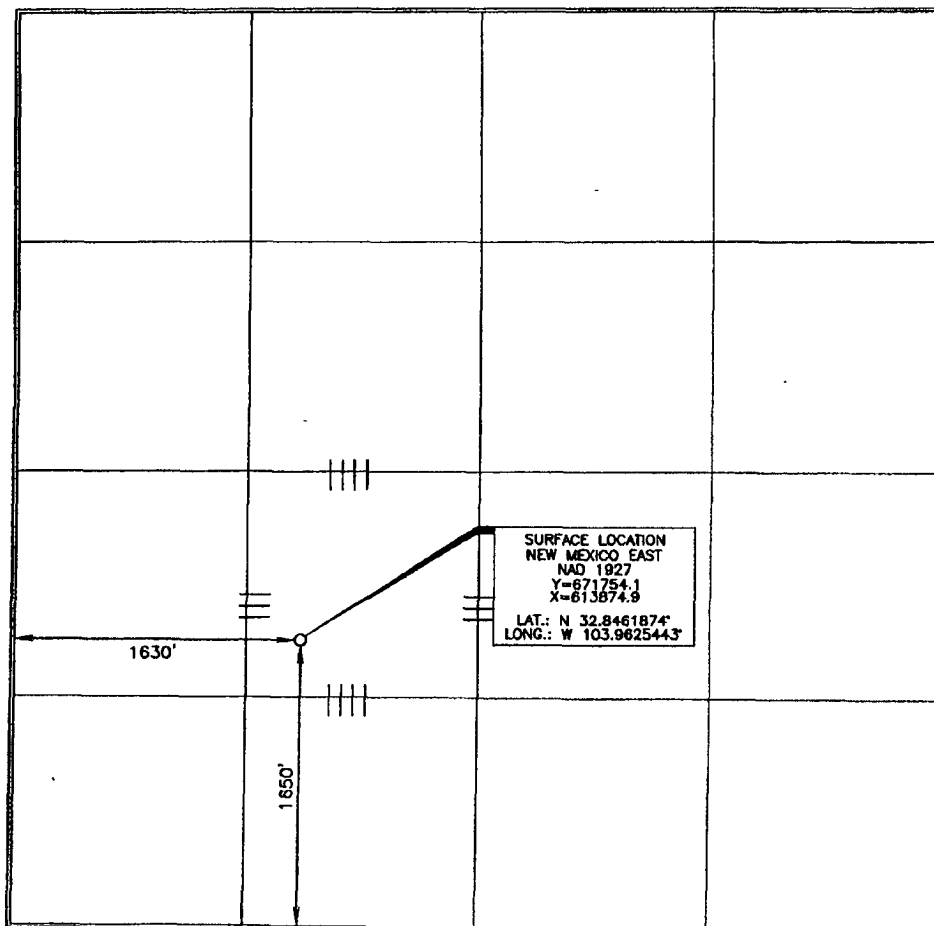
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	10	17 SOUTH	30 EAST, N.M.P.M.		1650'	SOUTH	1630'	WEST	EDDY

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.



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 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.

*Phyllis A. Edwards* 13-08  
Signature Date

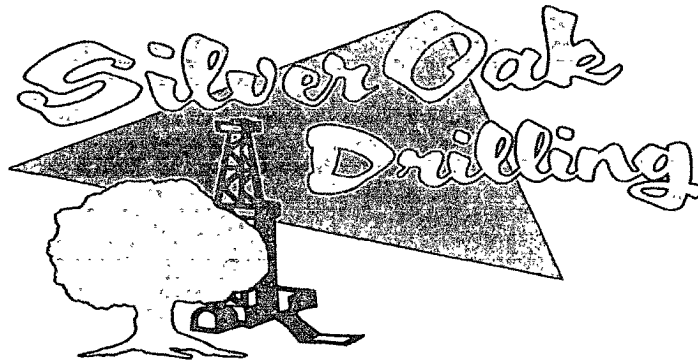
Phyllis A. Edwards  
Printed Name Regulatory Analyst

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of a land survey made by me or under my supervision, and that the same is true and correct to the best of my belief.

15079  
Date of Survey  
Signature and Seal of Professional Surveyor  
5/13/2008  
Certificate Number 15079

WO# 080507WL (KA)



PO Box 1370  
Artesia, NM 88211-1370  
(575) 748-1288

July 17, 2008

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

RE: Electra Fed #21  
1650' FSL & 1650' FWL  
Sec. 10, T17S, R30E  
Eddy, 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>
611.00	1.75	3249.00	2.50
825.00	2.50	3567.00	1.50
1047.00	2.00	3726.00	1.50
1450.00	3.00	3948.00	1.50
1540.00	2.50	4171.00	1.75
1640.00	0.50	4468.00	2.50
1791.00	2.50	4618.00	2.50
2139.00	1.00	4709.00	1.50
2510.00	1.50	4741.00	1.00
2652.00	2.00	4931.00	0.25
2837.00	2.00	5231.00	0.50
2932.00	2.50	5531.00	1.00
3090.00	1.50		

Very truly yours,

Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 17<sup>th</sup> day of June, 2008.

  
Notary Public