

Form 60-4  
(April 2004)

## OCD-ARTESIA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

- 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 **765' FSL & 2310' FWL, Unit N**

At top prod. interval reported below

At total depth

14. Date Spudded  
**11/13/2006**15. Date T.D. Reached  
**11/30/2006**16. Date Completed **01/05/2007**  
☐ D & A ☒ Ready to Prod.5. Lease Serial No.  
**NM-074935**6. If Indian, Allottee or Tribe Name  
---7. Unit or CA Agreement Name and No.  
---8. Lease Name and Well No.  
**Electra Federal #9**9. AFI Well No.  
**30-015-34721**10. Field and Pool, or Exploratory  
**Loco Hills Glorieta Yeso**11. Sec., T., R., M., on Block and  
Survey or Area **Sec 10, T17S, R30E**12. County or Parish  
**Eddy**13. State  
**NM**17. Elevations (DF, RKB, RT, GL)\*  
**3689' GL**18. Total Depth: MD **6070'**  
TVD19. Plug Back T.D.: MD **6051'**  
TVD20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; 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		418		980 sx Cl C		Surface	
12-1/4	8-5/8	24		1394		600 sx Cl C		Surface	
7-7/8	5-1/2	17		6050		1430 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)
2-7/8	5866							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Yeso			4920' - 5107'	2 SPF	60	Open
B) Yeso			5192.5' - 5475.5'	2 SPF	62	Open
C) Yeso			5567' - 5848.5'	2 SPF	68	Open
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
4920' - 5107'	See Attachment
5192.5' - 5475.5'	See Attachment
5567' - 5848.5'	See Attachment

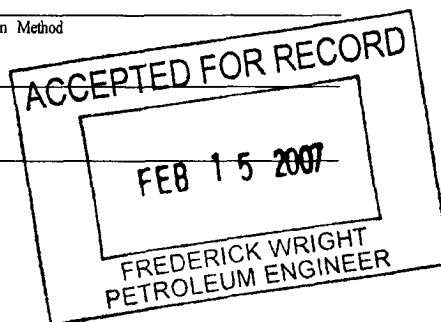
## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/18/2007	01/21/2007	24	→	126	55	301	37.2		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)



## 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	1308				
7 Rivers	1584				
Queen	2192				
Grayburg	2629				
San Andres	2931				
Glorieta	4365				
Yeso	4445				

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

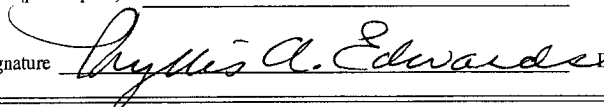
## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

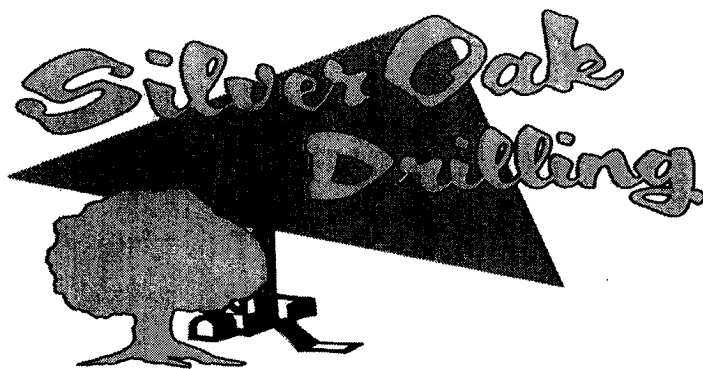
## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Phyllis A. EdwardsTitle Regulatory Analyst

Signature


Date 01/30/2007

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.



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

December 5, 2006

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

RE: Electra Federal #9  
990' FSL & 2310' FWL  
Sec. 10, T17S, R30E  
Eddy County, New Mexico

Dear Sir,

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

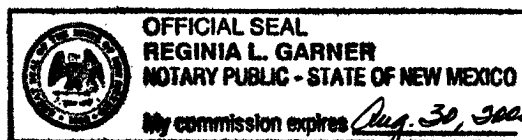
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
241'	1/2°	2633'	1°
547'	1 3/4°	3071'	1°
855'	3/4°	3480'	1°
1169'	2°	3918'	3/4°
1486'	3°	4354'	1/2°
1579'	2 3/4°	4836'	1/4°
1672'	2°	5282'	3/4°
2169'	1/4°	5727'	1/2°

Very truly yours,

Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 5<sup>th</sup> day of December, 2006.

  
Notary Public

**ELECTRA FEDERAL #9**  
**API#: 30-015-34721**  
**EDDY, NM**

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

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4920' - 5107'	Acidize w/ 2500 gals acid.
	Frac w/ 94,099 gals gel, 8448# LiteProp,
	& 87,526# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5192.5' - 5475.5'	Acidize w/ 2500 gals acid.
	Frac w/ 97,107 gals gel, 8215# LiteProp
	& 87,106# 16/30 white sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5567' - 5848.5'	Acidize w/ 2500 gals acid.
	Frac w/ 95,103 gals gel, 8321# LiteProp
	& 85,970# 16/30 white sand.