

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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: NETHA AARON  
E-Mail: oaaron@concho.com

8. Lease Name and Well No.  
ELECTRA FEDERAL 1

3. Address 550 WEST TEXAS AVENUE SUITE 1300  
MIDLAND, TX 79701 3a. Phone No. (include area code)  
Ph: 432-818-2319

9 API Well No.  
30-015-31429-00-S1

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

10. Field and Pool, or Exploratory  
LOCO HILLS ; Glorieta Yeso

11. Sec., T., R., M., or Block and Survey  
or Area Sec 15 T17S R30E Mer NMP

12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded  
07/04/2011 15. Date T.D. Reached  
07/14/2011 16. Date Completed  
☐ D & A ☒ Ready to Prod.  
08/03/2011

17. Elevations (DF, KB, RT, GL)\*  
3702 RT

18. Total Depth: MD 6217 TVD 6217 19. Plug Back T.D.: MD 6039 TVD 6039 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CNL/FDC DLL DUALSPACEDNEUTR BONDLOG

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.370 K-55	48.0	0	403		450		0	
12.250	8.625 J-55	24.0	0	1191		600		0	
7.875	5.500 J-55	17.0	0	4838		820		0	
6.125	4.000 L80	11.6	0	6185	4780	140		0	

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	4788							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4445	4805	4445 TO 4805	0.410	104	Squeezed off 7/2/11
B) BLINEBRY	5690	5890	5090 TO 5290	1.000	24	OPEN, Upper Blinebry
C)			5390 TO 5590	1.000	24	OPEN, Middle Blinebry
D)			5690 TO 5890	1.000	26	OPEN, Lower Blinebry

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
4445 TO 4805	GAL 15% NE ACID
4445 TO 4805	GAL 20% NE ACID, 54,000 GAL 40# GEL,
4445 TO 4805	GAL COLD 15% HCL ACID.
5090 TO 5290	ACIDIZE W/2500 GALS 15% HCL ACID

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
08/04/2011	02/26/2001	24	→	110.0	109.0	345.0	38.0		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	
	SI		→	110	109	345	991		

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
08/04/2011	08/18/2011	24	→	28.0	11.0	47.0	36.7	0.60	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	
	SI	70.0	→	28	11	47		POW	

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

ELECTRONIC SUBMISSION #118808 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED

NMOCD

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

OLD - Artesia

RECEIVED  
OCT 05 2011  
NMOCD ARTESIA

RECLAMATION  
DUE 2-3-12

ACCEPTED FOR RECORD

OCT 3 2011

## 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
RUSTLER	320	4796	ANHYDRITE	RUSTLER	320
SALADO	608		SALT	TANSILL	1160
TANSILL	1160		DOLOMITE	YATES	1272
YATES	1272		DOLOMITE & SAND	QUEEN	2182
SAN ANDRES	2896		SAND	SAN ANDRES	2896
GLORIETA	4354		DOLOMITE & ANHYDRITE	GLORIETA	4354
YESO	4440		SAND & DOLOMITE	YESO	4440
PADDOCK	4440			TUBB	5932
TUBB	5932				

## 32. Additional remarks (include plugging procedure)

44. Acid, Fracture, Treatment, Cement Squeeze, etc. CONTINUED....

5690 - 5890 Acidize w/ 2500 gals 15% HCL acid.

5690 - 5890 Frac w/ 124,661 gals gel, 148,745# 16/30 white, 31,363# 16/30 SiberProp

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 #118808 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH MCKINNEY on 09/30/2011 (11DLM1413SE)

Name(please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 09/29/2011

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**Additional data for transaction #118808 that would not fit on the form**

**27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued**

Depth Interval	Amount and Type of Material
5090 TO 5290	FRAC W/122,716 GALS GEL,149,144# 16/30 WHITE SAND, 26,457# 16/30 SIBERPROP
5390 TO 5590	ACIDIZE W/ 2500 GALS 15% HCL ACID
5390 TO 5590	FRAC W/ 125,470 GALS GEL, 146,966# 16/30 WHITE SAND, 30,520# 16/30 SIBERPROP

**32. Additional remarks, continued**