

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OLD-Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM0467931

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: oaaaron@conchoresources.com

8. Lease Name and Well No.
ELECTRA FEDERAL 57

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.
30-015-37443-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 10 T17S R30E Mer NMP
At surface NWNW 485FNL 990FWL

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

At top prod interval reported below
Sec 10 T17S R30E Mer NMP
At total depth NWNW 968FNL 998FWL

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

12. County or Parish
EDDY
13. State
NM

14. Date Spudded
01/14/2011

15. Date T.D. Reached
01/30/2011

16. Date Completed
☐ D & A ☒ Ready to Prod.
02/27/2011

17. Elevations (DF, KB, RT, GL)*
3708 GL

18. Total Depth: MD
TVD 6070
6038

19. Plug Back T.D.: MD
TVD 6005
5973

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATEDNEUT

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	13.375 H40	48.0	0	414		1820		0	
11.000	8.625 J55	32.0	0	1200		3095		0	
7.875	5.500 J55	17.0	0	6058		1200		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	5692							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4570	4820	4570 TO 4820	1.000	26	OPEN, Paddock
B) BLINEBRY	5580	5780	5040 TO 5240	1.000	26	OPEN, Upper Blinebry
C)			5310 TO 5510	1.000	26	OPEN, Middle Blinebry
D)			5580 TO 5780	1.000	26	OPEN, Lower Blinebry

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

Depth Interval	Amount and Type of Material
4570 TO 4820	ACIDIZED W/3800 GALS 15% HCL
4570 TO 4820	FRAC W/105,899 GALS GEL, 126,878# 16/30 WHITE SAND, 3,235# 16/30 SIBER PROP
5040 TO 5240	ACIDIZED W/3500 GALS 15% HCL
5040 TO 5240	FRAC W/118,858 GALS GEL, 120,677# 16/30 WHITE SAND, 36,097# 16/30 SIBER PROP

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
02/27/2011	03/05/2011	24	→	213.0	210.0	648.0	39.5	0.60	ELECTRIC-PUMPING-UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI		70.0	→	213	210	648		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
			→						APR 17 2011
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

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

ELECTRONIC SUBMISSION #105076 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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	1325		DOLOMITE & SAND	YATES	1325
QUEEN	2237		SAND	QUEEN	2237
SAN ANDRES	2968		DOLOMITE & ANHYDRITE	SAN ANDRES	2968
GLORIETA	4461		SAND & DOLOMITE	GLORIETA	4461
YESO	4526		DOLOMITE & ANHYDRITE	YESO	4526
TUBB	5929			TUBB	5929

32. Additional remarks (include plugging procedure):
44. Acid, Fracture, Treatment, Cement Squeeze, etc CONTINUED.....

5310 - 5510 Acidized w/3500 gals 15% HCL
 5310 - 5510 Frac w/123,360 gals gel, 143,963# 16/30 White sand, 30,043#
 16/30 Siber Prop

5580 - 5780 Acidized w/3500 gals 15% HCL
 5580 - 5780 Frac w/124,688 gals gel, 141,315# 16/30 White sand, 30,080#

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 #105076 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad
 Committed to AFMSS for processing by KURT SIMMONS on 03/28/2011 (11KMS1235SE)**

 Name (please print) NETHA AARON

 Title AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

 Date 03/24/2011

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 #105076 that would not fit on the form

32. Additional remarks, continued

16/30 Siber Prop