

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

3 Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701 3a. Phone No (include area code) Ph: 432-685-4332

4 Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SENW 1635FNL 1650FWL
At top prod interval reported below SENW Lot F 1635FNL 1650FWL
At total depth SENW Lot F 1635FNL 1650FWL

5. Lease Serial No NMNM074935

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No

8. Lease Name and Well No. ELECTRA FEDERAL 51

9. API Well No 30-015-37224-00-S1

10. Field and Pool, or Exploratory LOCO HILLS, Gloria-Yeso

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 10/29/2009 15 Date T.D. Reached 11/08/2009 16. Date Completed ☐ D & A ☒ Ready to Prod. 12/02/2009 17 Elevations (DF, KB, RT, GL)* 3713 GL

18. Total Depth: MD 6050 TVD 6050 19. Plug Back T.D.: MD 6000 TVD 5985 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL 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	0	425		475		0	
17.500	13.375 H40	48.0	0	428		997		0	0
11.000	8.625 J55	24.0	0	1300		500		0	
11.000	8.625 J55	24.0	0	1349		500		0	0
7.875	5.500 J55	15.5	0	5950		1000		1100	
7.875	5.500 J55	17.0	0	6050		950		0	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	5770							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO			4520 TO 4778	0.410	24	OPEN
B) PADDOCK	4520	4778	4960 TO 5160	0.410	24	OPEN
C) BLINEBRY	4960	5700	5230 TO 5430	0.410	24	OPEN
D)			5500 TO 5700	0.410	29	OPEN

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
4520 TO 4778	ACIDIZE W/3,000 GALS 15% ACID.
4520 TO 4778	FRAC W/ 106,087 GALS GEL, 108,801# 16/30 BASF SAND, 21,583# 16/30 SUPER LC.
4960 TO 5160	ACIDIZE W/3,500 GALS 15% ACID.
4960 TO 5160	FRAC W/ 120,414 GALS GEL, 145,178# 16/30 BASF SAND, 36,741# 16/30 SUPER LC.

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
12/02/2009	12/03/2009	24	→	231.0	410.0	699.0	37.2	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	
	70	70.0	→	231	410	699	1775	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
12/02/2009	12/03/2009	24	→	231.0	410.0	699.0	37.2	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	
	70	70.0	→	231	410	699		POW	

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

ELECTRONIC SUBMISSION #79163 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD
1s/ Chris Walls
JAN 21 2010
ELECTRIC PUMPING UNIT
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

MR

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	1327		DOLOMITE & SAND		
QUEEN	2234		SAND		
SAN ANDRES	2959		DOLOMITE & ANHYDRITE		
GLORIETA	4419		SAND & DOLOMITE		
YESO	4490		DOLOMITE & ANHYDRITE		
TUBB	5908		SAND		

32. Additional remarks (include plugging procedure):

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

5230 - 5430 ACIDIZE W/3,500 GALS 15% ACID.

5230 - 5430 FRAC W/ 120,440 GALS GEL, 147,079# 16/30 BASF SAND, 35,808# 16/30 SUPER LC.

5500 - 5700 ACIDIZE W/3,500 GALS 15% ACID.

5500 - 5700 FRAC W/ 120,373 GALS GEL, 149,067# 16/30 BASF SAND, 31,286# 16/30 SUPER LC.

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 #79163 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by CHERYLE RYAN on 12/22/2009 (10CMR0148SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 12/22/2009

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 ** REVISED **