

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

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:** CHASITY JACKSON
E-Mail: cjackson@conchoresources.com

3. Address 550 WEST TEXAS AVENUE SUITE 100
MIDLAND, TX 79701-4287 **3a. Phone No. (include area code)**
Ph. 432-686-3087

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SENW 1680FNL 1410FWL
At top prod interval reported below SENW Lot F 1680FNL 1410FWL
At total depth SENW Lot F 1658FNL 1656FWL

5. Lease Serial No. NMLC029509B

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. JC FEDERAL 45

9. API Well No. 30-025-39616-00-S1

10. Field and Pool, or Exploratory MALJAMAR-YESO

11. Sec., T., R., M., or Block and Survey or Area Sec 22 T17S R32E Mer NMP

12. County or Parish LEA **13. State** NM

14. Date Spudded 11/26/2010 **15. Date T.D. Reached** 12/07/2010 **16. Date Completed**
☐ D & A ☒ Ready to Prod. 01/10/2011

17. Elevations (DF, KB, RT, GL)* 4006 GL

18. Total Depth: MD 7124 TVD 7116 **19. Plug Back T.D.:** MD 7060 TVD 7060 **20. Depth Bridge Plug Set:** MD TVD

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

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 H-40	48.0	0	914		650		0	
11.000	8.625 J-55	32.0	0	2127		600		0	
7.875	5.500 L-80	17.0	0	7114		1250		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	6622							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5460 TO 5590	0.000	21	OPEN, Paddock
B) PADDOCK	5460	5590	6160 TO 6310	0.000	26	OPEN, Upper Blinebry
C) BLINEBRY	6650	6850	6380 TO 6580	0.000	26	OPEN, Middle Blinebry
D)			6650 TO 6850	0.000	26	OPEN, Lower Blinebry

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

Depth Interval	Amount and Type of Material
5460 TO 5590	FRAC W/103,034 GALS GEL, 107,791# 16/30 OTTAWA SAND, 21,219# 16/30 CRC
5460 TO 5590	ACIDIZE W/3,000 GALS 15% ACID
6160 TO 6310	FRAC W/114,736 GALS GEL, 147,008# 20/40 OTTAWA SAND, 36,749# 20/40 CRC
6160 TO 6310	ACIDIZE W/3,514 GALS 15% 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
01/26/2011	01/28/2011	24	→	131.0	200.0	271.0	37.5		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	
		70.0	→	131	200	271	1527	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
01/26/2011	01/28/2011	24	→	131.0	200.0	271.0	37.5		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	
		70.0	→	131	200	271		POW	

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

ELECTRONIC SUBMISSION #101903 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

JUL 14 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.)
CAPTURED

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 QUEEN SAN ANDRES GLORIETTA YESO TUBB	2140 3091 3879 5372 5455 6898		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE DOLOMITE & SAND DOLOMITE & ANHYDRITE SAND		

32 Additional remarks (include plugging procedure):

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. CONTINUED...

6380-6580 ACIDIZE W/3,855 GALS ACID.

6380-6580 FRAC W/103,034 GALS GEL, 107,791# 16/30 OTTAWA SAND, 21,219# 16/30 CRC.

6650-6850 ACIDIZE W/3,500 GALS ACID.

6650-6850 FRAC W/114,799 GALS GEL, 148,852# 20/40 OTTAWA SAND, 34,363# 20/40 CRC.

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 #101903 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by CHERYLE RYAN on 02/02/2011 (11CMR0084SE)

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 02/02/2011

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 #101903 that would not fit on the form

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

Depth Interval	Amount and Type of Material
6380 TO 6580	gal acid
6380 TO 6580	gal gel, 107791# 16/30 Ottawa sand, 21219# 16/30 CRC
6650 TO 6850	gal gel, 148852# Ottawa sand, 34363# 20/40 CRC
6650 TO 6850	gal acid