

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

MAR 23 2011

HOBBSON

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

OCD - H

Lease Serial No.
NMLC029405A

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. BC FEDERAL 59		
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287			9. API Well No. 30-025-39470-00-S1		
3a. Phone No. (include area code) Ph: 432-686-3087			10. Field and Pool, or Exploratory MALJAMAR; YESO, W -		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 20 T17S R32E Mer NMP At surface SWNW 1650FNL 330FEL At top prod interval reported below At total depth			11. Sec., T., R., M., or Block and Survey or Area Sec 20 T17S R32E Mer NMP		
14. Date Spudded 01/12/2011			15. Date T.D. Reached 01/20/2011		
16. Date Completed ☐ D & A ☒ Ready to Prod. 02/22/2011			17. Elevations (DF, KB, RT, GL)* 4023 GL		
18. Total Depth. MD 7099 TVD 7099			19. Plug Back T.D.: MD 6825 TVD 6825		
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	811		700		0	
11.000	8.625 J-55	32.0	0	2138		600		0	
7.875	5.500 L-80	17.0	0	7089		1100		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	6484							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5430 TO 5570		21	Open, Paddock
B) PADDOCK	5430	5570	5970 TO 6170		26	Open, Upper Blinetry
C) BLINERY	6510	6710	6240 TO 6440		26	Open, Middle Blinetry
D)			6510 TO 6710		26	Open, Lower Blinetry

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

Depth Interval	Amount and Type of Material
5430 TO 5570	ACIDIZE W/3,000 GALS 15% ACID.
5430 TO 5570	gal acid
5430 TO 5570	gal gel, 117631# 16/30 Ottawa sand, 22432# 16/30 Siberprop sand
5970 TO 6170	gal gel, 148137# 16/30 Ottawa sand, 30271# 16/30 Siberprop sand

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
02/28/2011	03/03/2011	24	→	124.0	259.0	344.0			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	70.0	→	124	259	344	2089	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
02/28/2011	03/03/2011	24	→	124.0	259.0	344.0	38.3		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	→	124	259	344		POW	

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

ELECTRONIC SUBMISSION #104145 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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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	2104 3081 3845 5341 5427 6903		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE DOLOMITE & SAND DOLOMITE & ANHYDRITE SAND		

32. Additional remarks (include plugging procedure):

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

6240-6440 ACIDIZE W/2,500 GALS 15% ACID.

6240-6440 FRAC W/114,078 GALS GEL, 144,516# 16/30 OTTAWA SAND, 28,581# 16/30 SIBERPROP.

6510-6710 ACIDIZE W/2,500 GALS 15% ACID.

6510-6710 FRAC W/120,088 GALS GEL, 147,528# 16/30 OTTAWA SAND, 33,910# 16/30 SIBERPROP.

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 #104145 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by KURT SIMMONS on 03/15/2011 (11KMS0447SE)

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 03/10/2011

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 #104145 that would not fit on the form

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

Depth Interval	Amount and Type of Material
5970 TO 6170	gal acid
6240 TO 6440	gal acid
6240 TO 6440	gal gel, 144516# 16/30 Ottawa sand, 28581# 16/30 Siberprop sand
6510 TO 6710	gal gel, 147528# 16/30 Ottawa sand, 33910# 16/30 Siberprop sand
6510 TO 6710	gal acid