

JUN 22 2011

Form 3160-4
(August 2007)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

RECEIVED

5 Lease Serial No
NMLC029405A

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: aaaron@conchoresources.com8. Lease Name and Well No
BC FEDERAL 52

3. Address 550 WEST TEXAS SUITE 100
MIDLAND, TX 79701

3a. Phone No (include area code)
Ph: 432-818-2319

9 API Well No.
30-025-39624

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

At surface Lot G 1985FNL 2242FEL 32 821846 N Lat, 103.803991 W Lon

At top prod interval reported below Lot G 1985FNL 2242FEL 32.821846 N Lat, 103 803991 W Lon

At total depth Lot G 2307FNL 2294FEL

10 Field and Pool, or Exploratory
MALJAMAR; YESO, WEST

11 Sec, T., R., M., or Block and Survey
or Area Sec 19 T17S R32E Mer

12 County or Parish
LEA COUNTY

13. State
NM

14. Date Spudded
04/04/2011

15. Date T D Reached
04/14/2011

16 Date Completed
☐ D & A ☒ Ready to Prod.
05/06/2011

17. Elevations (DF, KB, RT, GL)*
3948 GL

18 Total Depth MD
TVD 7032
6997

19 Plug Back T D.. MD
TVD 6967
6932

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 H40	48 0	0	660		600		0	
11 000	8.625 J55	32 0	0	2130		600		0	
7.875	5.500 L80	17.0	0	7023		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	6467							

25 Producing Intervals

26 Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) PADDOCK	5354	5520	5354 TO 5520	1 000	24	OPEN
B) BLINEBRY	5850	6050	5850 TO 6050	1 000	26	OPEN
C) BLINEBRY	6120	6320	6120 TO 6320	1 000	26	OPEN
D) BLINEBRY	6390	6590	6390 TO 6590	1.000	26	OPEN

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

Depth Interval	Amount and Type of Material
5354 TO 5520	ACIDIZED W/3000 GALS 15% HCL
5354 TO 5520	FRAC W/116,166 GALS GEL, 120,074# 16/30 OTTAWA SAND, 23,532# 16/30 SUPER LC
5850 TO 6050	ACIDIZE W/2500 GALS 15% HCL
5850 TO 6050	FRAC W/124,521 GALS GEL, 138,162# 16/30 OTTAWA SAND, 29,656# 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
05/10/2011	06/01/2011	24	→	105 0	81 0	330.0	36 9	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	→					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
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #110364 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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	1995		DOLOMITE & SAND	YATES	1995
QUEENS	2978		SAND	QUEENS	2978
SAN ANDRES	3752		DOLOMITE & ANHYDRITE	SAN ANDRES	3752
GLORIETA	5253		SAND & DOLOMITE	GLORIETA	5253
YESO	5307		DOLOMITE & ANHYDRITE	YESO	5307
TUBB	6798			TUBB	6798

32 Additional remarks (include plugging procedure)

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

6120 - 6320 Acidized w/2500 gals 15% HCL
6120 - 6320 Frac w/123,992 gals gel, 146,453# 16/30 Ottawa sand,
30,216# 16/30 Super LC

6390 - 6590 Acidized w/2500 gals 15% HCL
6390 - 6590 Frac w/125,187 gals gel, 150,882# 16/30 Ottawa sand,

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 #110364 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 06/13/2011

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #110364 that would not fit on the form

32. Additional remarks, continued

28,498# 16/30 Super LC

LOGS WILL BE MAILED