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Form 3160-4  
(April 2004)AUG 12 2008 UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OGL

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO 1004-0137  
Expires March 31, 2007

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**3 Address **550 W. Texas, Ste. 1300  
Midland, Texas 79701**3a Phone No. (include area code)  
**432-685-4395**

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

At surface **1650' FNL & 940' FEL, Unit H**

At top prod. interval reported below

At total depth

14. Date Spudded  
**02/21/2000**15 Date T.D. Reached  
**05/31/2008**16 Date Completed **07/02/2008**  
☐ D & A ☒ Ready to Prod17 Elevations (DF, RKB, RT, GL)\*  
**4031'**18. Total Depth MD **7028**  
TVD19 Plug Back T.D. MD **6939**  
TVD20. Depth Bridge Plug Set: MD  
TVD

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

**GR/CBL/CCL**22 Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

## 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 1/2	13 3/8	48		303		325 sxs		Circ.	None
12 1/4	8 5/8	24		2198		750 sxs		Circ.	None
7 7/8	5 1/2	15.5		5946		1035 sxs		Circ.	None
4 3/4	4	11.3		7014		100 sxs C		Circ.	33 sxs

## 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 7/8	5681'							

## 25 Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No Holes	Perf Status
A) <b>Paddock</b>	5340'	5446'	5340'-5446'		14	Closed
B) <b>Yeso</b>	6080'	6820'	6080'-6280''		32	Open
C)			6350'-6550'		32	Open
D)			6620'-6820'		48	Open

## 27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
6080'-6280'	Acidize w/2500 gal 15%. Frac w/58,000 gal 22# Lightning; 57,760# 16/30 white; 19,725# SiberProp. Fl w/base gel
6350'-6550'	Acidize w/2500 gal 15% HCL. Frac w/52,790 gal 22# Lightning; 68,500# 16/30 Ottawa; 25,052# SiberProp.
6620'-6820'	Acidize w/2500 gal 15% HCL. Frac w/62,508 gal 22# Lightning; 70,796# 16/30 Ottawa; 21,166# 16/30 SiberProp.
	Flush w/1000 gal 15% HCL & 2213 gal linear gel.

## 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
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 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
07-04/2008	07/04/2008	24	→	14	1	143	37.5		2-1/2"x1-1/2" 20" pump
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 page 2)

ACCEPTED FOR RECORD

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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
Queen San Andres Glorieta		3052 3803 5316			

## 32. Additional remarks (include plugging procedure)

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## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd)   
 ☐ Geologic Report   
 ☐ DST Report   
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification   
 ☐ Core Analysis   
 ☐ Other.

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Carol Ann LanceTitle Regulatory Analyst

Signature

Carol Ann LanceDate 07/28/2008

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

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b Type of Completion ☐ New Well ☐ Work Over ☒ Deepen ☐ Plug Back ☐ Diff Resvr.  
Other \_\_\_\_\_

5 Lease Serial No  
**LC-029405A**

6 If Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No

2 Name of Operator **COG Operating LLC**

8 Lease Name and Well No  
**BC Federal #3**

3 Address **550 W. Texas, Ste. 1300  
Midland, Texas 79701**

3a Phone No (include area code)  
**432-685-4395**

9 AFI Well No  
**30-025-34932**

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

At surface **1650' FNL & 940' FEL, Unit H**

At top prod interval reported below

At total depth

10 Field and Pool, or Exploratory  
**Maljamar; Yeso, West**

11 Sec, T, R, M., on Block and  
Survey or Area **Sec. 20, T17S, R32E -  
Unit H**

12 County or Parish  
**Lea**

13 State  
**NM**

14 Date Spudded  
**02/21/2000**

15 Date TD Reached  
**05/31/2008**

16 Date Completed **07/02/2008**  
☐ D & A ☒ Ready to Prod

17 Elevations (DF, RKB, RT, GL)\*  
**4031'**

18. Total Depth **MD 7028**  
**TVD**

19. Plug Back TD **MD 6939**  
**TVD**

20. Depth Bridge Plug Set: **MD**  
**TVD**

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**GR/CBL/CCL**

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C)			<b>6350'-6550'</b>		<b>32</b>	<b>Open</b>
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<b>6620'-6820'</b>	<b>Acidize w/2500 gal 15% HCL. Frac w/62,508 gal 22# Lightning; 70,796# 16/30 Ottawa; 21,166# 16/30 SiberProp.</b>
	<b>Flush w/1000 gal 15% HCL &amp; 2213 gal linear gel.</b>

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
			→						
Choke Size	Thg Press Hwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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
<b>07/04/2008</b>	<b>07/04/2008</b>	<b>24</b>	→	<b>14</b>	<b>1</b>	<b>143</b>	<b>37.5</b>		<b>2-1/2" x 1-1/2" x 20' pump</b>
Choke Size	Thg Press Hwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						<b>Producing</b>

\*See instructions and spaces for additional data on page 2)