

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 12 2009

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

HOBBSDO

Lease Serial No.
NMLC029405B

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. GC FEDERAL 20		
3 Address 550 W TEXAS AVE SUITE 1300 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)* Sec 20 T17S R32E Mer NMP At surface NESW 2310FSL 1650FWL At top prod interval reported below At total depth			9. API Well No. 30-025-39261-00-S1		
14 Date Spudded 03/23/2009			15 Date T.D. Reached 04/04/2009		
16 Date Completed ☐ D & A ☒ Ready to Prod. 04/27/2009			17. Elevations (DF, KB, RT, GL)* 4043 GL		
18 Total Depth MD 7020 TVD 7020		19. Plug Back T.D MD 6948 TVD 6948		20. Depth Bridge Plug Set MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT			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 H-40	48.0	0	649		600		0	
11.000	8.625 K-55	32.0	0	2138		800		0	
7.875	5.500 L-80	17.0	0	7018		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	6677							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) YESO			5348 TO 5520	0.000	33	OPEN
B) PADDOCK	5348	5520	5960 TO 6160	0.000	36	OPEN
C) BLINEBRY	6530	6730	6250 TO 6450	0.000	36	OPEN
D)			6530 TO 6730	0.000	48	OPEN

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
5348 TO 5520	ACIDIZE W/3,000 GALS 15% ACID
5348 TO 5520	FRAC W/106,752 GALS GEL, 105,283# 16/30 SAND, 6,300# 16/30 SIBERPROP
5960 TO 6160	ACIDIZE W/3,500 GALS 15% ACID
5960 TO 6160	FRAC W/130,007 GALS GEL, 148,175# 16/30 SAND, 32,835# 16/30 SIBERPROP

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
04/27/2009	04/30/2009	24	→	120.0	107.0	736.0	36.8		
Choke Size	Thg Press Hwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	70	70.0	→	120	107	736	892	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
04/27/2009	04/30/2009	24	→	120.0	107.0	736.0	36.8	0.60	ELECTRIC PUMPING UNIT
Choke Size	Thg Press Hwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	70	70.0	→	120	107	736		POW	

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

ELECTRONIC SUBMISSION #69707 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

MAY 10 2009

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE
ELECTRIC PUMPING UNIT

KR

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	Flowg Press 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	Flowg Press 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 QUEEN SAN ANDRES YESO	2020 2998 3736 5304		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE DOLOMITE & ANHYDRITE		

32 Additional remarks (include plugging procedure)
Logs will be mailed

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

6250-6450 ACIDIZE W/3,500 GALS 15% ACID
6250-6450 FRAC W/129,470 GALS GEL, 149,045# 16/30 SAND, 31,884# 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 #69707 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by KURT SIMMONS on 05/04/2009 (09KMS0700SE)**

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature _____ (Electronic Submission)

Date 05/04/2009

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 ****

Additional data for transaction #69707 that would not fit on the form

32. Additional remarks, continued

6530-6730 ACIDIZE W/2,500 GALS 15% ACID

6530-6730 FRAC W/129,849 GALS GEL, 146,761# 16/30 SAND, 30,895# 16/30 SIBERPROP.