

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRECEIVED
FEB 22 2010
HOBBSOCDFORM 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		5. Lease Serial No. NMLC029509B	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other		6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC		7. Unit or CA Agreement Name and No.	
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701		8. Lease Name and Well No. JC FEDERAL 24	
3a. Phone No (include area code) Ph: 432-685-4332		9. API Well No. 30-025-39165-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 22 T17S R32E Mer NMP NWSE 1650FSL 1810FEL 32.81725 N Lat, 103.75106 W Lon		10. Field and Pool, or Exploratory MALJAMAR YESO West	
At top prod interval reported below Sec 22 T17S R32E Mer NMP		11. Sec., T, R., M., or Block and Survey or Area Sec 22 T17S R32E Mer NMP	
At total depth NWSE 1650FSL 2340FEL		12. County or Parish LEA	
13. State NM		17. Elevations (DF, KB, RT, GL)* 3995 GL	
14. Date Spudded 11/09/2009		15. Date F.D. Reached 11/24/2009	
16. Date Completed ☐ D & A ☒ Ready to Prod. 12/15/2009		19. Plug Back T.D. MD 7060 TVD 7060 7032	
18. Total Depth: MD 7148 TVD 7148 7120		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	810		650		0	0
11.000	8.625 J55	32.0	0	2065		700		0	0
7.875	5.500 J55	17.0	0	7134		1400		0	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	6642							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5538 TO 5614	0.000	11	OPEN
B) PADDOCK	5538	5614	6120 TO 6320	0.000	26	OPEN
C) BLINEBRY	6660	6860	6390 TO 6590	0.000	26	OPEN
D)			6660 TO 6860	0.000	26	OPEN

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

Depth Interval	Amount and Type of Material
5538 TO 5614	ACIDIZE W/ 3,000 GALS 15% ACID
5538 TO 5614	FRAC W/103,099 GALS GEL, 112,733# 16/30 OTTAWA SAND, 25,651# 16/30 SLC
6120 TO 6350	ACIDIZE W/4,500 GALS 15% ACID.
6120 TO 6350	FRAC W/116,900 GALS GEL, 145,112# 16/30 OTTAWA SAND, 35,187# 16/30 SLC

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
01/06/2010	01/06/2010	24	→	121.0	262.0	359.0	37.5		
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	→	121	262	359	2165	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
01/06/2010	01/06/2010	24	→	121 0	262 0	359 0	37 5	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	→	121	262	359		POW	

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

ELECTRONIC SUBMISSION #81462 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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 QUEEN SAN ANDRES GLORIETTA YESO	2169 3134 3948 5435 5524		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE		

32. Additional remarks (include plugging procedure):

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

6390-6590 ACIDIZE W/4,500 GALS 15% ACID.

6350-6550 FRAC W/ 116,105 GALS GEL, 147,529# 16/30 Ottawa sand, 34,166# 16/30 SLC.

6660-6860 ACIDIZE W/4,500 GALS 15% ACID.

6620-6820 FRAC W/ 109,669 GALS GEL, 140,454# 16/30 Ottawa sand, 32,785# 16/30 SLC.

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 #81462 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by KURT SIMMONS on 02/16/2010 (10KMS0251SE)**

Name (please print) KANICIA CARRILLOTitle PREPARER

Signature _____ (Electronic Submission)

Date 02/16/2010

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 ****