

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resrv. , Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator <b>COG Operating LLC</b>		8. Lease Name and Well No. <b>JC Federal #4</b>	
3. Address <b>550 W. Texas, Ste. 1300 Midland, Texas 79701</b>		3a. Phone No. (include area code) <b>432-685-4372</b>	9. AFI Well No. <b>30-025-37656</b>
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>1650' FNL &amp; 2310' FWL</b>  At top prod. interval reported below  At total depth		10. Field and Pool, or Exploratory <b>Maljamar; Paddock</b>  11. Sec., T., R., M., on Block and Survey or Area <b>Sec.22.,T17S, R32E</b>  12. County or Parish <b>Lea</b> 13. State <b>NM</b>	
14. Date Spudded <b>01/27/2006</b>	15. Date T.D. Reached <b>02/23/2006</b>	16. Date Completed <b>08/11/2006</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.	17. Elevations (DF, RKB, RT, GL)* <b>4020' RKB</b>
18. Total Depth: MD <b>10,200</b> TVD		19. Plug Back T.D.: MD <b>8890'</b> TVD	20. Depth Bridge Plug Set: MD <b>8890'</b> TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  N/A		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	

## 23. Casing and Liner Record (Report all strings set in well)

[illegible]

## 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	6679'							

## 25. Producing Intervals

Formation		Top	Bottom	Perforated Interval	Size	No.	Port Status
A)	Paddock	5373	6660	6385.5-6654		10	open
B)				8977-9089		11	closed
C)				9584-9840		12	closed
D)						13	

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

Depth Interval	Amount and Type of Material
6385.5-6654	Frac w/500 gals. Technihib; 43,000 gals. 30# Linear Gel; 8025# LiteProp 125 14/30 sand, 100# 60/ 16/30 White Snd. 65,000 gals. 40# Linear Gel.; 15,880# SiberProp 16/30 resin coated sand. 300# Plush w/141 bbls. 40# 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
08/14/2006	08/23/2006	24	→	91	116	10	39.9		2 1/2"X2X24" RHTC Trash Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	Producing
			→	91	116	10	1274		COVERTED FOR RECO

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		

FEB 12 2007

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

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ACCEPTED FOR RECORD  
Method  
FEB 12 2007  
FREDERICK WRIGHT  
PETROLEUM ENGINEER

2A Baish Wfempt  
Matj; ~~100~~ Paddock

## 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 Grayburg San Andres Glorietta		3096 3472 3876 5373			287 JUN 21 PM 3:12

## 32. Additional remarks (include plugging procedure):

## 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) Diane Kuykendall

Title Regulatory Analyst

Signature

Date 01/17/2007

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.