Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Received JUL 2007 Hobbs

5. Lease Serial No: LC-029405A

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**

8. Lease Name and Well No.: **BC Federal #13**

3. Address: **550 W. Texas, Suite 1300 Midland, TX 79701**

3a. Phone No. *(include area code)*: **432-685-4332**

9. API Well No: **30-025-38164**

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

At surface: **330 FNL & 330 FEL, Unit A**

At top prod. interval reported below

At total depth

JUL 18 2007
OCD-ARTESIA

10. Field and Pool, or Exploratory: ~~Maljamar;Paddock~~ Wildcat Yeso

11. Sec., T., R., M., on Block and Survey or Area: **Sec 19, T17S, R32E**

12. County or Parish: **Lea**

13. State: **NM**

14. Date Spudded: **06/01/2007**

15. Date T.D. Reached: **06/12/2007**

16. Date Completed: [ ] D & A [✓] Ready to Prod. **07/03/2007**

17. Elevations (DF, RKB, RT, GL)*: **3972' GL**

18. Total Depth: MD TVD **6720'**

19. Plug Back T.D.: MD TVD **6700'**

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CN / HNGS, Micro CFL / HNGS

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#	643'			700		Surface	Circ 325
11"	8-5/8"	32#	2123'			850		Surface	Circ 180
7-7/8	5-1/2	17#	6713'			1325		Surface	Circ 188

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"	6590'							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) Maljamar: Paddock			5812' - 6120'	1 SPF	30	Open
B)			6264' - 6478'	1 SPF	32	Open
C)						
D)						

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

Depth Interval	Amount and Type of Material
5812' - 6120'	2,500 gals acid, Frac w/95,945 gals gel, 8,000# Lite Prop, 89,920# 16/30 sand.
6264' - 6478'	2,500 gals acid, Frac w/95,416 gals gel, 8,000# Lite Prop, 90,440# 16/30 sand.

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
07/06/2007	07/07/2007	24		118	404	268	34.9		Pumping
Choke Size	**Tbg Press. Flwg. SI**	**Csg Press**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
								Producing	

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 page 2)

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	**2021**				
7 RIVERS	**2381**				
QUEEN	**2989**				
GRAYBURG	**3396**				
SAN ANDRES	**3772**				
GLORIETA	**5255**				
YESO	**5332**				

32. Additional remarks (include plugging procedure):

33. Indicate which itmes 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)* **Kanicia Carrillo** Title **Regulatory Analyst**

Signature Date **07/19/2007**

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.