

OCD's Copy

Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No. **NM-60777**

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.
Minis 1 Federal #4

3. Address **550 W. Texas, Suite 1300** 3a. Phone No. (include area code)
432-685-4372

9. AFI Well No.
30-025-36956

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **2310 FNL & 330 FWL**
 At top prod. interval reported below **2310 FNL & 330 FWL**
 At total depth **2310 FNL & 330 FWL**

10. Field and Pool, or Exploratory
Hat Mesa; Delaware, SE

11. Sec., T., R., M., on Block and Survey or Area **Sec 1, T21S, R32E**

12. County or Parish **Lea** 13. State **NM**

14. Date Spudded **12/31/2004** 15. Date T.D. Reached **01/18/2005** 16. Date Completed **02/28/2005**
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
3722 (GL)

18. Total Depth: MD **MD** 19. Plug Back T.D.: MD **MD**
 TVD **8780** TVD **8525** 20. Depth Bridge Plug Set: MD **MD**
 TVD **8560**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Gamma Ray, Micro-CFL / GR

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
18-1/2	16	84	Surface	1563		1300 C		Surface	Circ 561x to pit
14-3/4	11-7/8	71.8	Surface	3218		1000 C		Surface	Circ 155x to pit
10-5/8	8-5/8	32	2887	5378		960 C		2887	0 Temp survey
7-7/8	5-1/2	17	2770	8803		700 C		2720	0 CBL

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	6635	none						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Spring	8525		8602-8612	.41	21	Plugged
B) Delaware	5530		6652-6678	.41	53	Open
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
8602 - 8612	Acidize with 1200 gallons 7-1/2% Petrol 10 acid w/ 30 BS.
6652 - 6678	Frac with 14,700 gallons Clearfrac J533 - 40 fluid carrying 19,000# 20 / 40 Ottawa 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
02/28/2005	03/07/2005	24	→	105	74	69	37.3	37.3	PUMPING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64	SI 100	50	→				705		

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)

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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
T / RUSTLER	1525				
T / YATES	3230				
T / DELAWARE	5530				
T / BONE SPRING	8525				

32. Additional remarks (include plugging procedure):

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

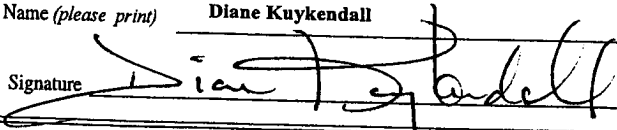
- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

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 05/26/2005

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.