

**OCD-HOBBS**

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

NM-85937

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 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 Resvr., Other <b>DHC 3823 Delaware 6925 &amp; Bone Spring 51683</b>					6. If Indian, Allottee or Tribe Name ---				
					7. Unit or CA Agreement Name and No. ---				
2. Name of Operator <b>COG Operating LLC</b>					8. Lease Name and Well No. <b>Prohibition 12 Federal #12</b>				
3. Address <b>550 W. Texas, Suite 1300, Midland, TX 79701</b>			3a. Phone No. (include area code) <b>432-685-4340</b>		9. AFI Well No. <b>30-025-37821</b>				
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>660' FSL &amp; 1980' FWL, Unit N</b>  At top prod. interval reported below  At total depth					10. Field and Pool, or Exploratory <b>Bone Spring 51683 &amp; Del 6925</b>				
					11. Sec., T., R., M., on Block and Survey or Area    Sec 12, T22S, R32E				
					12. County or Parish <b>Lea</b>		13. State <b>NM</b>		
14. Date Spudded <b>07/28/2006</b>		15. Date T.D. Reached <b>08/22/2006</b>		16. Date Completed <b>11/04/2006</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* <b>3644' GL</b>			
18. Total Depth: MD <b>8,990'</b> TVD			19. Plug Back T.D.: MD <b>8,933'</b> TVD		20. Depth Bridge Plug Set: MD TVD				
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>Micro CFL / HNGS, CN</b>					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)									
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		960		855 sx CI C			855 sx to pit
11	8-5/8	32		4705		1350 sx CI C			200 sx to pit
7-7/8	5-1/2	17		8898		850 sx CI H			
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	8886	None							
25. Producing Intervals					26. Perforation Record				
Formation			Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) Delaware, NW					8422' - 8468'		93	Open	
B) Bone Spring					8797' - 8841'		57	Open	
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval			Amount and Type of Material						
8422' - 8468'			Acidize w/ 1500 gal acid.    Frac w/ 25,000 gal Lightning 3000 pad & 30,000 gal Lightning 3000 fluid carrying 71,650# 20/40 sand & 34,300# 16/30 resin coated sand.						
8422' - 8468'									
8797' - 8841'			Acidize w/ 2000 gal acid.						
8797' - 8841'			Frac w/ 51,000+ gal 30# Lightning fluid carrying 60,000# 20/40 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
11/09/2006	11/14/2006	24	→	103	107	263	43.0		PUMPING
Choke Size	Tbg. Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
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
11/09/2006	11/14/2006	24	→	29	23	0	43.0		
Choke Size	Tbg. Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

ACCEPTED FOR RECORD  
DEC 13 2006

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

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LES BABYAK  
PETROLEUM ENGINEER

## 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
<b>Anhy</b>	<b>870'</b>				
<b>Delaware</b>	<b>4758'</b>				
<b>Bone Spring</b>	<b>8655'</b>				

## 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) **Phyllis A. Edwards**Title **Regulatory Analyst**

Signature

Date **12/01/2006**

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.