

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. <b>NM-85937</b>							
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other _____		6. If Indian, Allottee or Tribe Name ---							
2. Name of Operator <b>COG Operating LLC</b>		7. Unit or CA Agreement Name and No. ---							
3. Address <b>550 W. Texas, Suite 1300, Midland, TX 79701</b>		8. Lease Name and Well No. <b>Prohibition 12 Federal #12</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>Bootleg Ridge; Delaware, NW</b>							
14. Date Spudded <b>07/28/2006</b>		15. Date T.D. Reached <b>08/22/2006</b>							
16. Date Completed <b>10/14/2006</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>8,700'</b> TVD							
20. Depth Bridge Plug Set: MD <b>8,700'</b> 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		0	250 sx to pit
11	8-5/8	32		4705		1350 sx CI C		0	200 sx to pit
7-7/8	5-1/2	17		8898		850 sx CI H		3000	
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	8192		5-1/2"	8192					
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Delaware, NW			8422' - 8468'		93	Open			
B) Bone Spring			8797' - 8841'		57	TA'd			
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
8422' - 8468'		Acidize w/ 1500 gal acid							
8422' - 8468'		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.							

## 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
10/17/2006	10/20/2006	24	→	108	70	279	44.4		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
			→						
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)

ACCEPTED FOR RECORD

NOV 28 2006

FREDERICK WRIGHT  
PETROLEUM ENGINEER

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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2. Name of Operator COG Operating LLC		7. Unit or CA Agreement Name and No. ---							
3. Address 550 W. Texas, Suite 1300, Midland, TX 79701		8. Lease Name and Well No. Prohibition 12 Federal #12							
3a. Phone No. (include area code) 432-685-4340		9. AFI Well No. 30-025-37821							
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface 660' FSL & 1980' FWL, Unit N  At top prod. interval reported below  At total depth		10. Field and Pool, or Exploratory Red Tank; Bone Spring							
14. Date Spudded 07/28/2006		15. Date T.D. Reached 08/22/2006							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3644' GL							
18. Total Depth: MD 8,990' TVD		19. Plug Back T.D.: MD 8,940' TVD							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Micro CFL / HNGS, CN							
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)									
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11	8-5/8	32		4705		1350 sx CI C		0	200 sx to pit
7-7/8	5-1/2	17		8898		850 sx CI H		3000	
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	8640		5-1/2"	8640					
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Bone Spring			8797' - 8841'		57	Open			
B)									
C)									
D)									
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
8797' - 8841'		Acidize w/ 2000 gal 90/10 7-1/2% acid							
8797' - 8841'		Frac w/ 51,000+ gals 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
09/21/2006	09/30/2006	24	→	9	20	0	39.4		FLOWING
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
			→						
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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NOV 28 2006

FREDERICK WRIGHT  
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	

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## 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	

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## 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
Anhy	870'				
Delaware	4758'				
Bone Spring	8655'				

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

Signature

Date **10/26/2006**

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.