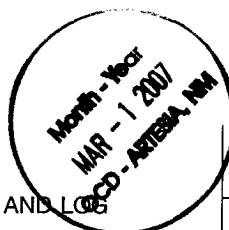


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD COPY

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						5. Lease Serial No. LC-029020-L			
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 COG Operating LLC						7. Unit or CA Agreement Name and No.			
3. Address 550 W. Texas, Ste.1300 Midland, Texas 79701				3a. Phone No. (include area code) 432-685-4340		8. Lease Name and Well No. SHAWNEE FEDERAL #4			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1690' FSL & 1870' FEL At top prod. interval reported below At total depth						9. AFI Well No. 30-015-34899			
						10. Field and Pool, or Exploratory LOCO HILLS; Glorieta Yeso			
						11. Sec., T., R., M., on Block and Survey or Area Sec. 15, T17S, R30E			
14. Date Spudded 12/03/2006		15. Date T.D. Reached 12/17/2006		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/06/2006		12. County or Parish Eddy			
17. Elevations (DF, RKB, RT, GL)* 3692'		13. State NM							
18. Total Depth: MD 6050' TVD		19. Plug Back T.D.: MD 6032' TVD		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Comp.Neutron/HNGS, Micro-CFL/HNGS				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 type="checkbox"/> No <input checked="" 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48#		409		580 sxs, Cl.C		Surf.	
12 1/4	8 5/8	24#		1345		700 sxs, Cl.C		Surf.	
7 7/8	5 1/2	17#		6027		1780 sxs, Cl.C		Surf.	
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	5968'								
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) Yeso				4951' - 5126'		2 SPF	56	Open	
B)				5230' - 5621'		2 SPF	70	Open	
C)				5721.5' - 5953.5'		2 SPF	68	Open	
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval			Amount and Type of Material						
4951 - 5126			Acidize w/ 1900 gals acid. Frac w/ 40,000 gals 30# gel, 8004# LiteProp, 89,314# 16/30, & 45,000 gals 40# gel						
5230 - 5621			Acidize w/ 2500 gal acid. Frac w/ 96,138 gals gel, 8357# LiteProp, 86,988# 16/30 sand.						
5721.5 - 5953.5			Acidize w/ 2500 gals acid. Frac w/ 91,400 gals gel, 8000# LiteProp, and 90,480# 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
01/18/2007	02/01/2007	24	→	94	109	219	37.8		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)

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	1264				
7 Rivers	1564				
Queen	2178				
Grayburg	2575				
San Andres	2893				
Glorieta	4375				
Yeso	4470				

32. Additional remarks (include plugging procedure):

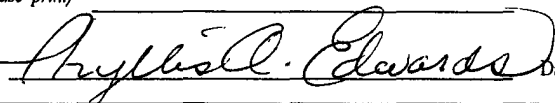
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ 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**

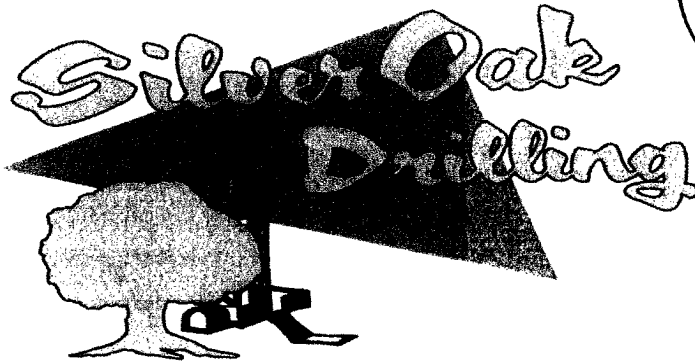
Signature



Date

02/28/2007

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.



PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

December 22, 2006

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Shawnee Federal #4
1690' FSL & 1870' FEL
Sec. 15, T17S, R30E
Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
281'	1/2°	4096'	1°
739'	1 3/4°	4567'	2 1/2°
962'	1/4°	4754'	2 3/4°
1237'	1/2°	4880'	2°
1456'	1/2°	5069'	2°
1895'	1/4°	5192'	2°
2359'	3/4°	5441'	1 1/2°
2792'	3/4°	5692'	1 1/4°
3292'	1 3/4°	6040'	1°
3659'	1 3/4°		

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 22nd day of December, 2006.

Notary Public