


 UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 15 2007

OCD-ARTESIA

 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 <b>LC-029020-L</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, Ste.1300 Midland, Texas 79701</b>		8. Lease Name and Well No <b>SHAWNEE FEDERAL #4</b>	
3a Phone No (include area code) <b>432-685-4340</b>		9 AFI Well No <b>30-015-34899</b>	
4 Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>1690' FSL &amp; 1870' FEL</b>  At top prod. interval reported below  At total depth		10 Field and Pool, or Exploratory <b>LOCO HILLS; Glorieta Yeso</b>	
14 Date Spudded <b>12/03/2006</b>		15 Date TD Reached <b>12/18/2006</b>	
16 Date Completed <b>01/14/2006</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17 Elevations (DF, RKB, RT, GL)* <b>3692'</b>	
18. Total Depth MD <b>6050</b> TVD		19 Plug Back TD MD <b>6032</b> TVD	
20 Depth Bridge Plug Set. MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>Comp.Neutron/HNGS, Micro-CFL/HNGS</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 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 Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48#		409		880 sxs, Cl.C		Surf.	Did not Circ
12 1/4	8 5/8	24#		1345		700 sxs, Cl.C		Surf.	Circ 95
7 7/8	5 1/2	17#		6027		1780 sxs, Cl.C		Surf.	Circ 96520

## 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

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/ 2500 gals acid. Frac w/ 89,318 gals gel, 8035# LiteProp, 90,400# 16/30 sand.
5230 - 5621	Acidize w/ 2500 gal acid. Frac w/ 89,767 gals gel, 8000# LiteProp, 90,380# 16/30 sand.
4951 - 5126	Acidize w/ 2500 gals acid. Frac w/ 91,400 gals gel, 8000# LiteProp, 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
		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	1567				
Queen	2181				
Grayburg	2582				
San Andres	2892				
Glorieta	4368				
Yeso	4450				

## 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) Kanicia CarrilloTitle Regulatory AnalystSignature Date 08/14/2007

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.