



Form 3160-4  
(April 2004)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV 26 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-029342B</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>	3a Phone No (include area code) <b>432-685-4332</b>	8 Lease Name and Well No. <b>Polaris B Federal #6</b>
4 Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>1156 FSL &amp; 1650 FEL, Unit O</b>  At top prod interval reported below  At total depth		9 AFI Well No <b>30-015-35649</b>
14 Date Spudded <b>08/06/2007</b>		10 Field and Pool, or Exploratory <b>Loco Hills; Glorieta Yeso</b>
15 Date T D Reached <b>08/15/2007</b>		11 Sec, T, R, M, on Block and Survey or Area <b>Sec 9, T17S, R30E</b>
16 Date Completed <b>11/05/2007</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		12 County or Parish <b>Eddy</b>
17 Elevations (DF, RKB, RT, GL)* <b>3697' GL</b>		13 State <b>NM</b>
18. Total Depth MD <b>5,970</b> TVD	19 Plug Back T D MD <b>5920</b> TVD	20 Depth Bridge Plug Set MD <b>None</b> TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CN / 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 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#		400		524 C		Surface	Circ 480
12-1/4	8-5/8	32#		1358		800 C		Surface	Circ 360
7-7/8	5-1/2	17#		5970		1400 C		Surface	Circ 281

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	5722	None						

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) <b>Yeso</b>				4900 - 5100	2 SPF	36	Open
B) <b>Yeso</b>				5210 - 5410	2 SPF	36	Open
C) <b>Yeso</b>				5499 - 5700	2 SPF	48	Open
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, etc	
Depth Interval	Amount and Type of Material
4900 - 5100	Acidize w/5,500 gals acid. Frac w/ 41,934 gals gel, 62,297# 16/30 sand.
5210 - 5410	Acidize w/5,730 gals acid. Frac w/ 46,061 gals gel, 61,052# 16/30 sand.
5499 - 5700	Acidize w/5,000 gals acid. Frac w/ 63,437 gals gel, 4639# LiteProp 14/30, 59,130# 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
11/06/2007	11/13/2007	24	→	125	492	336	36.8		Pumping
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					Producing	

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
<b>Yates</b>	<b>1246</b>				
<b>7 Rivers</b>	<b>1542</b>				
<b>Queen</b>	<b>2141</b>				
<b>Grayburg</b>	<b>2554</b>				
<b>San Andres</b>	<b>2868</b>				
<b>Glorieta</b>	<b>4289</b>				
<b>Yeso</b>	<b>4396</b>				

## 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 Carrillo**Title **Regulatory Analyst**

Signature

Date **11/20/2007**

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.