

# OCD-ARTESIA

Form 160-4  
(April 2004)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

### WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

Month - Year  
MAR - 5 2007  
OCD - ARTESIA, NM

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

1b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other \_\_\_\_\_

2. Name of Operator **COG Operating LLC**

3. Address **550 W. Texas, Suite 1300, Midland, TX 79701** 3a. Phone No. (include area code) **432-685-4340**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **330' FSL & 330' FEL, Unit P**  
At top prod. interval reported below  
At total depth

5. Lease Serial No. **LC-029342B**

6. If Indian, Allottee or Tribe Name  
---

7. Unit or CA Agreement Name and No.  
---

8. Lease Name and Well No.  
**Polaris B Federal #5**

9. AFI Well No.  
**30-015-34707**

10. Field and Pool, or Exploratory  
**Loco Hills; Glorieta Yeso**

11. Sec., T., R., M., on Block and Survey or Area **Sec 9, T17S, R30E**

12. County or Parish **Eddy** 13. State **NM**

14. Date Spudded **10/06/2006** 15. Date T.D. Reached **10/26/2006** 16. Date Completed **11/15/2006**  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**3696' GL**

18. Total Depth: MD **5,985'** 19. Plug Back T.D.: MD **5964'** 20. Depth Bridge Plug Set: MD **None**  
TVD TVD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CN / HNGS, Micro CFL / HNGS**

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ 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		416		928 sx Cl C		Surface	
12-1/4	8-5/8	24		1333		700 sx Cl C		Surface	
7-7/8	5-1/2	17		5791		1975 sx Cl C		Surface	

#### 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	5791	None						

#### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Yeso			4942' - 5155'	2 SPF	62	Open
B) Yeso			5258' - 5478'	2 SPF	62	Open
C) Yeso			5569.5' - 5782'	2 SPF	62	Open
D)						

#### 27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4942' - 5155'	See Attachment
5258' - 5478'	See Attachment
5569.5' - 5782'	See Attachment

#### 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
11/24/2006	11/28/2006	24	→	78	158	210	38.0		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)

ACCEPTED FOR RECORD

FEB 28 2007

WESLEY W. INGRAM  
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
Queen	2141				
Grayburg	2556				
San Andres	2868				
Glorieta	4298				
Yeso	4407				

Bureau of Land Management

Received

JAN 10 2007

Carlsbad Field Office  
Carlsbad, N.M.

## 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

01/09/2007

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.