


 UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

 MAR 14 2008  
 OCD-ARTESIA

 FORM APPROVED  
 OMBNO 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 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 _____						5. Lease Serial No <b>LC-029342B</b>			
						6. If Indian, Allottee or Tribe Name ---			
						7. Unit or CA Agreement Name and No ---			
						8. Lease Name and Well No <b>Polaris B Federal #7</b>			
2. Name of Operator <b>COG Operating LLC</b>				9. AFI Well No <b>30-015-35699</b>					
3. Address <b>550 W. Texas, Suite 1300, Midland, TX 79701</b>				3a. Phone No. (include area code) <b>432-685-4332</b>					
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>860 FSL &amp; 2240 FWL, Unit N</b>  At top prod interval reported below   At total depth				10. Field and Pool, or Exploratory <b>Loco Hills; Glorieta Yeso</b>					
				11. Sec, T, R, M, on Block and Survey or Area <b>Sec 9, T17S, R30E</b>					
				12. County or Parish <b>Eddy</b>	13. State <b>NM</b>				
				17. Elevations (DF, RKB, RT, GL)* <b>3695' GL</b>					
14. Date Spudded <b>12/22/2007</b>		15. Date T.D. Reached <b>01/04/2008</b>		16. Date Completed <b>01/23/2008</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod					
18. Total Depth MD <b>6020</b> TVD		19. Plug Back T D MD <b>5999</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#		420		447C		Surface	Circ 42
12-1/4	8-5/8	32#		1312		800 C		Surface	Circ 87
7-7/8	5-1/2	17#		6016		1100 C		Surface	Circ 282
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	5718.85	None							
25. Producing Intervals									
Formation		Top	Bottom	26. Perforation Record		Size		No Holes	Perf. Status
A) Yeso				4890 - 5090		2 SPF		36	Open
B) Yeso				5180 - 5380		2 SPF		36	Open
C) Yeso				5520 - 5720		2 SPF		48	Open
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval			Amount and Type of Material						
4890 - 5090			Acidize w/5,000 gals acid. Frac w/ 72,270gals gel, 107,000# 16/30 sand.						
5180 - 5380			Acidize w/5,000 gals acid. Frac w/ 72,748 gals gel, 89,200# 16/30 sand.						
5520 - 5720			Acidize w/5,000 gals acid. Frac w/ 67,678 gals gel, 93,867# 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
02/05/2008	02/06/2008	24	→	161	207	444	38.7		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 **03/03/2008**

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.

DISTRICT I  
1625 N. FRENCH DR., ROSBBS, NM 86240

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

RECEIVED State of New Mexico  
MAY 04 2007 Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-15-35699	Pool Code 96718	Pool Name Loco Hills;Glorieta-Yeso
Property Code 302547	Property Name POLARIS B FEDERAL	Well Number 7
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3695'

Surface Location

UL or lot No. N	Section 9	Township 17-S	Range 30-E	Lot Idn	Feet from the 860	North/South line SOUTH	Feet from the 2240	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION


<p>GEODETIC COORDINATES NAD 27 NME Y=670956.1 N X=609204.5 E LAT.=32.844038° N LONG.=103.977760° W</p> <p>Dimensions: 2240', 3698.2', 3694.1', 600', 3691.8', 3687.6', 860'</p>	<b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature Date 5/10/07 Jerry W. Sherrell Printed Name
	<b>SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Date Surveyed (2007) LA Signature & Seal of Professional Surveyor  07.11.0517
	Certificate No. GARY EIDSON 12641

OPERATOR      COG Operating, LLC  
WELL/LEASE      Polaris B Fed #7  
COUNTY      Eddy

STATE OF NEW MEXICO  
DEVIATION REPORT

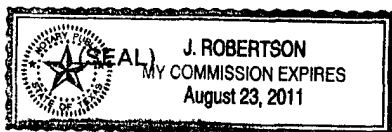
171	0.25
567	0.25
869	0.25
1560	0.50
1909	0.50
2226	0.50
2543	0.75
2892	0.75
3209	1.00
3524	0.50
3841	1.00
4064	1.00
4380	0.75
4666	0.75
5109	0.25
5420	0.25
5811	0.25

SIGNED BY:

  
DAVID SLEDGE, VP-DRILLING

STATE OF TEXAS  
COUNTY OF MIDLAND

ON THIS 1st DAY OF February, 2008, BEFORE ME, J ROBERTSON, A NOTARY  
PUBLIC, PERSONALLY APPEARED DAVID SLEDGE, WHO ACKNOWLEDGED AND EXECUTED  
THIS DOCUMENT. WITNESS MY HAND AND OFFICIAL SEAL.



  
NOTARY PUBLIC