

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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>NM-2933</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>Caddo Federal #3</b>			
4 Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>330 FNL &amp; 990 FEL, Unit A</b>  At top prod interval reported below  At total depth						9 AFI Well No <b>30-015-35700</b>			
10 Field and Pool, or Exploratory <b>Loco Hills; Glorieta Yeso 96718</b>						11 Sec, T, R, M., on Block and Survey or Area <b>Sec 17, T17S, R30E</b>			
12 County or Parish <b>Eddy</b>						13 State <b>NM</b>			
14 Date Spudded <b>09/05/2007</b>		15 Date T.D Reached <b>09/16/2007</b>		16 Date Completed <b>10/08/2007</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17 Elevations (DF, RKB, RT, GL)* <b>3679' GL</b>			
18. Total Depth MD <b>5855</b> TVD		19 Plug Back T.D: MD <b>5801</b> TVD		20 Depth Bridge Plug Set: MD 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		448 C		Surface	Circ 268
12-1/4	8-5/8	32#		1358		700 C		Surface	Circ 186
7-7/8	5-1/2	17		5855		1200 C		Surface	Circ 252
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	5577								
25. Producing Intervals					26 Perforation Record				
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf. Status	
A) Yeso				4780 - 4895		2 SPF	36	Open	
B) Yeso				4973 - 5173		2 SPF	36	Open	
C) Yeso				5343 - 5543		2 SPF	48	Open	
D)									
27 Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval			Amount and Type of Material						
4780 - 4895			Acidize w/5,000 gals acid. Frac w/ 46,410 gals gel, 42,848# 16/30 sand.						
4973 - 5173			Acidize w/5,000 gals acid. Frac w/ 74,844 gals gel, 63,565# 16/30 sand.						
5343 - 5543			Acidize w/5,000 gals acid. Frac w/ 77,280 gals gel, 66,610# 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
10/11/2007	10/14/2007	24	→	94	170	400	38.4		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
Yates	1210				
7 Rivers	1500				
Queen	3000				
Grayburg	2500				
San Andres	2810				
Glorieta	4250				
Yeso	4310				

## 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 10/24/2007

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.

# State of New Mexico

## DISTRICT I

1225 N. FRENCH DR., BOHES, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

## DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## DISTRICT III

1000 Rio Bravo Ed., Aztec, NM 87410

## DISTRICT IV

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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-35700	Pool Code 96718	Pool Name Loco Hills Glorieta Yeso
Property Code 36176	Property Name CADDO FEDERAL	Well Number 3
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3679'

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	17-S	30-E		330	NORTH	990	EAST	EDDY

### Bottom Hole Location If Different From Surface

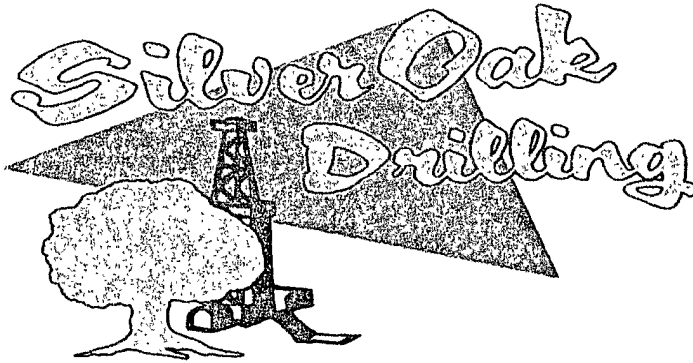
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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>OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Jerry W. Sherrell</i> 6/4/07 Signature Date</p> <p>Jerry W. Sherrell Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>MAY 10 2007</p> <p>Date Surveyed</p> <p>Signature of Professional Surveyor</p> <p>Professional Surveyor</p> <p>2239</p> <p>5/21/07</p> <p>607.11.0626</p> <p>Certificate No. GARY KIDSON 12841 RONALD J. KIDSON 3239</p>

RECEIVED

6/11/07



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

October 4, 2007

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

RE: Caddo Federal #3  
330' FNL & 990' FEL  
Sec. 17, 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>
394.00	1.75	2901.00	2.00
524.00	1.00	3132.00	1.00
749.00	1.00	3450.00	0.75
987.00	1.25	3136.00	1.00
1237.00	1.25	4019.00	0.25
1447.00	0.75	4308.00	0.75
1729.00	0.75	4626.00	1.00
2047.00	0.00	4910.00	1.00
2369.00	0.75	5190.00	0.75
2718.00	0.00	5482.00	0.25
2814.00	2.00		

Very truly yours,

Eddie LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 4<sup>th</sup> day of October, 2007.

Notary Public

