

## OCD-ARTESIA

JAN - 8 2008

Form 3160-4  
(April 2004)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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>NM-0397623</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>Folk Federal #1</b>
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <b>1650 FSL &amp; 990 FWL, Unit L</b> At top prod interval reported below At total depth		9. AFI Well No <b>30-015-35727</b>
14. Date Spudded <b>10/28/2007</b>	15. Date T.D. Reached <b>11/06/2007</b>	10. Field and Pool, or Exploratory <b>Empire Glorieta Yeso, East</b>
16. Date Completed <b>11/20/2007</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		11. Sec, T, R, M, on Block and Survey or Area <b>Sec 17, T17S, R29E</b>
18. Total Depth MD <b>5123</b> TVD	19. Plug Back T.D MD <b>5104</b> TVD	12. County or Parish <b>Eddy</b>
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CN / HNGS, Micro CFL / HNGS</b>		13. State <b>NM</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)		17. Elevations (DF, RKB, RT, GL)* <b>3647' GL</b>

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#		325		400 C		Surface	Circ 191
12-1/4	8-5/8	32#		870		600 C		Surface	Circ 100
7-7/8	5-1/2	17#		5111		1100 C		Surface	Circ 323

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	4962								

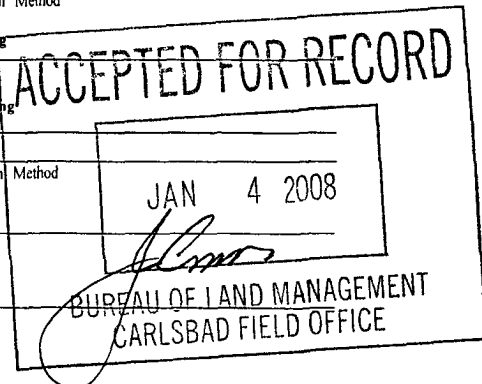
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status			
A) Yeso			4370 - 4570	2 SPF	36	Open			
B) Yeso			4750 - 4950	2 SPF	48	Open			
C)									
D)									

27. Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval			Amount and Type of Material						
4370 - 4570			Acidize w/ 4,500 gals acid. Frac w/ 55,693 gals gel, 62,698# 16/30 sand.						
4750 - 4950			Acidize w/ 5,888 gals acid. Frac w/ 52,614 gals gel, 62,131# 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
11/22/2007	12/10/2007	24	→	11	8	24	34.5		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	Thg. 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	Thg. 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	870				
7 Rivers	1140				
Queen	1710				
San Andres	2410				
Yeso	3910				

## 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 12/27/2007

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.

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

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 86210

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

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

State of New Mexico  
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 30-015-35727	Pool Code 96610	Pool Name Empire Yeso, East
Property Code 302495	Property Name FOLK FEDERAL	Well Number 1
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3647'

Surface Location

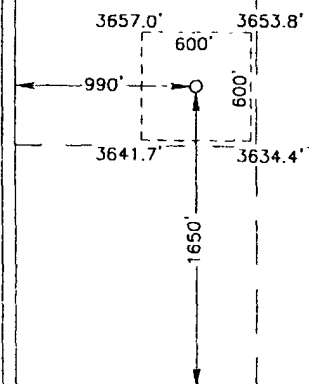
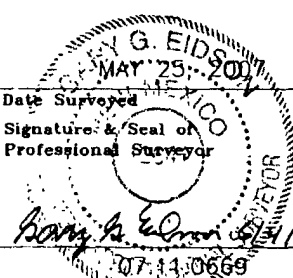
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	17	17-S	29-E		1650	SOUTH	990	WEST	EDDY

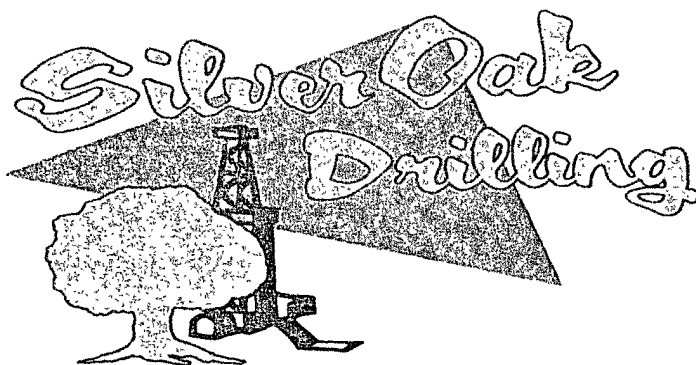
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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=666367.7 N X=571097.2 E  LAT.=32.831717° N LONG.=104.101870° W</p> 	<p><b>OPERATOR CERTIFICATION</b></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>Signature _____ Date _____</p> <p>Printed Name _____</p> <p><b>SURVEYOR CERTIFICATION</b></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></p> <p>Date Surveyed _____ Signature &amp; Seal of Professional Surveyor _____</p> <p>Certificate No. GARY EIDSON 12641</p>
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PO Box 1370  
Artesia, NM 88211-1370  
(505) 748-1288

November 29, 2007

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

RE: Folk Federal #1  
1650' FSL & 990' FWL  
Sec. 17, T17S, R29E  
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>
418.00	1.00	3058.00	0.75
933.00	1.25	3536.00	1.00
1314.00	1.00	3853.00	0.50
1759.00	0.50	4232.00	0.75
2201.00	0.50	4615.00	0.50
2616.00	0.75	5100.00	0.75

Very truly yours,

Eddie LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 29<sup>th</sup> day of November, 2007.

  
Notary Public