

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTMonth - Year  
FEB 2007  
OCD - ARTESIA, NMFORM 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-29269</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>432-685-4340</b>		8. Lease Name and Well No. <b>Navaho Federal #8</b>			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>1650' FSL &amp; 2308' FEL, Unit J</b>  At top prod. interval reported below  At total depth						9. AFI Well No. <b>30-015-35014</b>			
10. Field and Pool, or Exploratory <b>Empire Yeso</b>						11. Sec., T., R., M., on Block and Survey or Area <b>Sec 30, T17S, R29E</b>			
12. County or Parish <b>Eddy</b>						13. State <b>NM</b>			
14. Date Spudded <b>12/20/2006</b>		15. Date T.D. Reached <b>01/17/2007</b>		16. Date Completed <b>02/12/2007</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* <b>3638' GL</b>			
18. Total Depth: MD <b>6060'</b> TVD		19. Plug Back T.D.: MD <b>6038'</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		379		448 sx Cl C		Surface	
12-1/4	8-5/8	24		947		600 sx Cl C		Surface	
7-7/8	5-1/2	17		6052		1825 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	5925	None							
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) <b>Yeso</b>				5744' - 5925'		2 SPF	60	Open	
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval			Amount and Type of Material						
5744' - 5925'			Acidize w/ 2100 gals acid						
			Frac w/ 32,000 gals 30# gel, 53,000 gals 40# gel, 8000# LiteProp, 90,460# 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
02/15/2007	02/17/2007	24	→	14	125	11	39.8		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
Yates	829				
7 Rivers	1100				
Queen	1721				
Grayburg	2134				
San Andres	2461				
Glorieta	3785				
Yeso	4073				

## 32. Additional remarks (include plugging procedure):

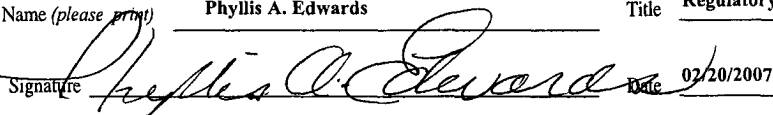
## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ 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. EdwardsTitle Regulatory Analyst

Signature


Date 02/20/2007

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.



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

January 23, 2007

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



RE: Navaho Federal #8  
1650' FSL & 2308' FWL  
Sec. 30, 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>
230'	1°	2610'	2°
322'	1 1/2°	2830'	2 1/4°
414'	1 1/2°	3015'	1 1/2°
629'	1 1/2°	3321'	2°
753'	1 1/2°	3486'	1°
848'	3/4°	3726'	1 1/2°
1081'	1 1/4°	4098'	2°
1206'	1°	4411'	2 1/4°
1395'	1 1/2°	4722'	2 1/4°
1583'	2°	5032'	2°
1800'	1 1/4°	5220'	3°
2016'	2 1/4°	5437'	4°
2201'	2°	5810'	6°
2391'	2°		

Very truly yours,

Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 23<sup>rd</sup> day of January, 2007.

  
Notary Public