

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCD-ARLESIA
FEB 24 2009FORM APPROVED
OMB No 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other						5. Lease Serial No. NMLC028480A					
b. Type of Completion ☐ New Well ☐ Work Over ☒ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____						6. If Indian, Allottee or Tribe Name					
2. Name of Operator COG OPERATING LLC						8. Lease Name and Well No. WESTERN FEDERAL 6					
3. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701						9. API Well No. 30-015-31706					
3a. Phone No. (include area code) Ph: 432-685-4385						10. Field and Pool, or Exploratory GRAYBURG JACKSON 96210					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot G 1650FNL 1650FEL At top prod interval reported below Lot G 1650FNL 1650FEL At total depth Lot G 1650FNL 1650FEL						11. Sec., T., R., M., or Block and Survey or Area Sec 30 T17S R29E Mer					
14. Date Spudded 06/11/2001						15. Date T.D. Reached 11/22/2008		12. County or Parish EDDY		13. State NM	
16. Date Completed ☐ D & A ☒ Ready to Prod. 12/17/2008						17. Elevations (DF, KB, RT, GL)* 3635 GL					
18. Total Depth: MD 5806 TVD						19. Plug Back T.D.: MD 5717 TVD		20. Depth Bridge Plug Set MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON						22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)					
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 Sk. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled		
17.500	13.375 K55	48.0	0	375		375		0	0		
12.250	8.625 J55	24.0	0	895		475		0	0		
7.875	5.500 J55	17.0	0	4304		835		0	0		
4.750	4.000 P110	11.6	0	5763		140		0	0		
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2.875	4128										
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) GRAYBURG JACKSON		4500	4700	4500 TO 4700			36	OPEN			
B) GRAYBURG JACKSON		4900	5100	4900 TO 5100			36	OPEN			
C) GRAYBURG JACKSON		5200	5400	5200 TO 5400			42	OPEN			
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.											
Depth Interval		Amount and Type of Material									
4500 TO 4700		ACIDIZE W/100 BBLS ACID									
4500 TO 4700		FRAC W/2936 BBLS GEL, 169,064# 16/30 SAND									
4900 TO 5100		ACIDIZE W/60 BBLS ACID									
4900 TO 5100		FRAC W/2855 BBLS GEL, 166,562# 16/30 SAND.									
28. Production - Interval A											
Date First Produced 12/17/2008	Test Date 12/23/2008	Hours Tested 24	Test Production →	Oil BBL 6.0	Gas MCF 6.0	Water BBL 84.0	Oil Gravity Corr API 37.6	Gas Gravity 0.60	Production Method ELECTRIC PUMPING UNIT		
Choke Size	Tbg Press Flwg SI	Csg Press 70.0	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status POW			
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 reverse side)

ELECTRONIC SUBMISSION #67241 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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 QUEEN SAN ANDRES GLORIETA YESO	765 1635 2340 3790 3905		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE		

32. Additional remarks (include plugging procedure):
Logs will be mailed.

Acid, Fracture, Treatment, Cement Squeeze etc. continued...

5200 - 5400 Acidize w/60 bbls acid.

5200 - 5400 Frac w/2876 bbls gel, 169,575# 16/30 sand.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other | |

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #67241 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by CHERYLE RYAN on 02/12/2009 ()**

Name (please print) ROBYN ODOM

Title PERSON RESPONSIBLE

Signature _____ (Electronic Submission)

Date 02/12/2009

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Revisions to Operator-Submitted EC Data for Well Completion #67241

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMLC028480A	NMLC028480A
Agreement:		
Operator:	COG OPERATING LLC 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701 Ph: 432-683-7443	COG OPERATING LLC 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701 Ph. 432.685.4340
Admin Contact:	ROBYN ODOM PERSON RESPONSIBLE E-Mail: rodome@conchoresources.com Ph: 432-685-4385	ROBYN ODOM PERSON RESPONSIBLE E-Mail: rodome@conchoresources.com Ph 432-685-4385
Tech Contact:	ROBYN ODOM PERSON RESPONSIBLE E-Mail: rodome@conchoresources.com Ph: 432-685-4385	ROBYN ODOM PERSON RESPONSIBLE E-Mail: rodome@conchoresources.com Ph: 432-685-4385
Well Name:	WESTERN FEDERAL	WESTERN FEDERAL
Number:	6	6
Location:		
State:	NM	NM
County:	EDDY	EDDY
S/T/R:	Sec 30 T17S R29E Mer	Sec 30 T17S R29E Mer NMP
Surf Loc:	Lot G 1650FNL 1650FEL	SWNE 1650FNL 1650FEL
Field/Pool:	GRAYBURG JACKSON	E EMPIRE
Logs Run:	COMPENSATED NEUTRON	DLL CNL/FDC DLL CNL/FDC COMPENSATEDNEUT
Producing Intervals - Formations:	GRAYBURG JACKSON GRAYBURG JACKSON GRAYBURG JACKSON	YESO GRAYBURG
Porous Zones:	YATES QUEEN SAN ANDRES GLORIETA YESO	YATES QUEEN SAN ANDRES GLORIETA YESO
Markers:		QUEEN SAN ANDRES GLORIETA