

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD - Artesia

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMLC029342D

1a. Type of Well  Oil Well  Gas Well  Dry  Other

b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
Other \_\_\_\_\_

2. Name of Operator  
COG OPERATING LLC Contact: NATALIE KRUEGER  
E-Mail: nkrueger@conchoresources.com

3. Address 550 WEST TEXAS AVENUE SUITE 100  
MIDLAND, TX 79701-4287 3a. Phone No. (include area code)  
Ph: 432-231-0300

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface SENW Lot F 2528FNL 2309FWL 32.84924 N Lat, 103.97753 W Lon  
At top prod interval reported below SENW Lot F 2528FNL 2309FWL 32.84924 N Lat, 103.97753 W Lon  
At total depth SENW Lot F 2298FNL 2299FWL

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
MIRANDA FEDERAL 14

9. API Well No.  
30-015-38051-00-S1

10. Field and Pool, or Exploratory  
LOCO HILLS

11. Sec., T., R., M., or Block and Survey  
or Area Sec 9 T17S R30E Mer NMP

12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded  
08/31/2010 15. Date T.D. Reached  
09/10/2010 16. Date Completed  
 D & A  Ready to Prod.  
10/13/2010 17. Elevations (DF, KB, RT, GL)\*  
3691 GL

18. Total Depth: MD 6195 TVD 6185 19. Plug Back T.D.: MD 6140 TVD 6130 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
COMPENSATEDNEUT 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 H-40	48.0	0	431		950		0	
11.000	8.625 J-55	24.0	0	1302		500		0	
7.875	5.500 J-55	17.0	0	6183		950		0	

ACCEPTED FOR RECORD  
DEC 22 2010  
OCD ARTESIA

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	5643							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4430	4700	4430 TO 4700	0.410	29	OPEN, Paddock
B) BLINEBRY	4950	5690	4950 TO 5150	0.410	26	OPEN, Blinebry
C)			5220 TO 5420	0.410	26	OPEN, Blinebry
D)			5490 TO 5690	0.410	26	OPEN, Blinebry

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4430 TO 4700	ACID W/ 2,500 GALS ACID, FRAC W/ 91,863 GALS GEL, 96,355# 16/30 WHITE SAND, 20,537# 16/30 CRC
4950 TO 5150	ACID W/ 2,500 GALS ACID, FRAC W/ 114,475 GALS GEL, 147,086# 16/30 WHITE SAND, 34,802# 16/30 CRC
5220 TO 5420	ACID W/ 2,500 GALS ACID, FRAC W/ 116,476 GALS GEL, 127,105# 16/30 WHITE SAND, 33,083# 16/30 CRC
5490 TO 5690	ACID W/ 2,500 GALS ACID, FRAC W/ 114,775 GALS GEL, 147,034# 16/30 WHITE SAND, 32,254# 16/30 CRC

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
11/23/2010	11/23/2010	24	→	150.0	240.0	218.0	39.0		ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	70	70.0	→	150	240	218	1600	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 #98827 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NSL-6204

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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	1252		DOLOMITE & SAND	YATES	1252
QUEEN	2150		SAND	QUEEN	2150
SAN ANDRES	2888		DOLOMITE & ANHYDRITE	SAN ANDRES	2888
GLORIETA	4313		SAND & DOLOMITE	GLORIETA	4313
YESO	4416		DOLOMITE & ANHYDRITE		
TUBB	5846				

32. Additional remarks (include plugging procedure):  
Logs will be sent via mail.

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 #98827 Verified by the BLM Well Information System.**  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by CHERYLE RYAN on 12/09/2010 (11CMR0135SE)

Name (please print) NATALIE KRUEGER Title PREPARER

Signature \_\_\_\_\_ (Electronic Submission) Date 12/09/2010

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***