

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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. NMLC029342D		
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 COG OPERATING LLC			Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287			3a. Phone No. (include area code) Ph: 432-685-4332		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 9 T17S R30E Mer NMP NENW Lot C 150FNL 1675FWL At top prod interval reported below Sec 9 T17S R30E Mer NMP At total depth NENE Lot A 377FNL 498FEL			8. Lease Name and Well No. MIRANDA FEDERAL 19		
14. Date Spudded 09/13/2010			15. Date T.D. Reached 11/09/2010		9. API Well No. 30-015-38145-00-S1
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/09/2010			10. Field and Pool, or Exploratory LOCO HILLS		
17. Elevations (DF, KB, RT, GL)* 3699 GL			11. Sec., T., R., M., or Block and Survey or Arca Sec 9 T17S R30E Mer NMP		
18. Total Depth: MD 7320 TVD 4714			19. Plug Back T.D.: MD 7320 TVD 4714		12. County or Parish EDDY
20. Depth Bridge Plug Set: MD TVD			13. State NM		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT			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 analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	451		400		0	
12.250	9.625 J-55	40.0	0	1403		500		0	
8.750	7.000 L-80	29.0	0	4560		750			
6.125	4.500 L-80	13.5	4410	7320					

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	4264							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	4706	7064	4706 TO 7064	0.410	11	OPEN FRAC PORTS
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4706 TO 7064	ACIDIZED W/ 36,000 GALS 15% ACID.
4706 TO 7064	FRAC W/ 1,165,993 GALS GEL, 1,491,194# 20/40 OTTAWA 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
11/23/2010	11/23/2010	24	→	89.0	203.0	547.0	39.0		ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL 89	Gas MCF 203	Water BBL 547	Gas:Oil Ratio 2281	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 #99352 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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
					Mcas. Depth
GLORIETA YESO	4365 4483		DOLOMITE & SAND DOLOMITE & ANHYDRITE	YATES SAN ANDRES	4365 4483

32. Additional remarks (include plugging procedure):

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 #99352 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 12/21/2010 (11KMS0451SE)**

Name (please print) KANICIA CARRILLO Title PREPARER

Signature (Electronic Submission) Date 12/20/2010

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 ****

Revisions to Operator-Submitted EC Data for Well Completion #99352

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMLC029342D	NMLC029342D
Agreement:		
Operator:	COG OPERATING LLC 550 WEST TEXAS AVE STE 100 MIDLAND, TX 79701 Ph: 432-685-4332	COG OPERATING LLC 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287 Ph: 432.685.4340
Admin Contact:	KANICIA CARRILLO PREPARER E-Mail: kcarrillo@conchoresources.com Ph: 432-685-4332 Fx: 432-685-4396	KANICIA CARRILLO PREPARER E-Mail: kcarrillo@conchoresources.com Ph: 432-685-4332 Fx: 432-685-4396
Tech Contact:	KANICIA CARRILLO PREPARER E-Mail: kcarrillo@conchoresources.com Ph: 432-685-4332 Fx: 432-685-4396	KANICIA CARRILLO PREPARER E-Mail: kcarrillo@conchoresources.com Ph: 432-685-4332 Fx: 432-685-4396
Well Name: Number:	MIRANDA FEDERAL 19	MIRANDA FEDERAL 19
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 9 T17S R30E Mer Lot C 150FNL 1675FWL	NM EDDY Sec 9 T17S R30E Mer NMP NENW Lot C 150FNL 1675FWL
Field/Pool:	LOCO HILLS;GLORIETA-YESO	LOCO HILLS
Logs Run:	COMPENSATED NEUTRON	COMPENSATEDNEUT
Producing Intervals - Formations:	WOLFCAMP	GLORIETA-YESO
Porous Zones:	GLORIETA YESO	GLORIETA YESO
Markers:	DOLOMITE & SAND DOLOMITE & ANHYDRITE	YATES SAN ANDRES