

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**CD-ARTESIA**  
**RECEIVED**  
FEB 05 2013  
**NMCCD ARTESIA**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM118109

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name \_\_\_\_\_  
 7. Unit or CA Agreement Name and No. \_\_\_\_\_

2. Name of Operator **COG OPERATING LLC** Contact: **BRIAN MAIORINO**  
 E-Mail: **bmaiorino@concho.com**

3. Address **ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701** 3a. Phone No. (include area code) **Ph: 432-221-0467**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **SWSW 245FSL 230FWL**  
 At top prod interval reported below **SWSW 359FSL 344FWL**  
 At total depth **SWSW 359FSL 344FWL**

8. Lease Name and Well No. **TUMAK FEDERAL 3**  
 9. API Well No. **30-015-40459-00-S1**

10. Field and Pool, or Exploratory **EMPIRE GLORIETA-YESO**  
 11. Sec., T., R., M., or Block and Survey or Area **Sec 14 T17S R28E Mer NMP**  
 12. County or Parish **EDDY** 13. State **NM**

14. Date Spudded **08/28/2012** 15. Date T.D. Reached **09/04/2012** 16. Date Completed  D & A  Ready to Prod. **10/17/2012**

17. Elevations (DF, KB, RT, GL)\* \_\_\_\_\_

18. Total Depth: **MD 5220 TVD 5215** 19. Plug Back T.D.: **MD 5130 TVD** 20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **CNSGR** 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	253		400		0	
11.000	8.625 J-55	24.0	0	933		500		0	
7.875	5.500 J-55	17.0	0	5208		900		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	3559							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	3650	4922	3650 TO 3900	0.210	26	OPEN
B)			4182 TO 4382	0.210	26	OPEN
C)			4452 TO 4652	0.210	26	OPEN
D)			4722 TO 4922	0.210	26	OPEN

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

Depth Interval	Amount and Type of Material
3650 TO 3900	gal gel, 111390# 16/30 brown, w/ 17091# 16/30 siber
3650 TO 3900	gal 15%
4182 TO 4382	gal gel, 138294# 16/30 brown w/ 28413# 16/30 siber
4182 TO 4382	gal 15%

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
11/06/2012	12/05/2012	24	→	60.0	91.0	420.0	37.8		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	→	60	91	420	1516	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
			→						FEB 2 2013
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

**RECLAMATION**  
**DUE 4-17-13**

**ACCEPTED FOR RECORD**

**BUREAU OF LAND MANAGEMENT**  
**CARLSBAD FIELD OFFICE**

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #187299 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
 \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

*Handwritten initials*

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
RUSTLER	315			RUSTLER	315
YATES	634			YATES	634
QUEEN	1446			QUEEN	1446
SAN ANDRES	2198			SAN ANDRES	2198
GLORIETA	3614			GLORIETA	3614
YESO	3661			YESO	3661
TUBB	5069			TUBB	5069
DRINKARD	5118			DRINKARD	5118

32. Additional remarks (include plugging procedure):  
logs sent in the 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 #187299 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 01/24/2013 (13KMS4646SE)**

Name (please print) BRIAN MAIORINO Title AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission) Date 01/21/2013

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 \*\***

**Additional data for transaction #187299 that would not fit on the form**

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

<b>Depth Interval</b>	<b>Amount and Type of Material</b>
4452 TO 4652	gal 15%
4452 TO 4652	gal gel, 139650# 16/30 brown w/ 29505# 16/30 siber
4722 TO 4922	gal gel, 138801# 16/30 brown w/ 27853# 16/30 siber
4722 TO 4922	gal 15%