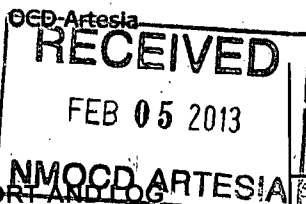


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM118109

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. TUMAK FEDERAL 3		
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701			9. API Well No. 30-015-40459-00-S1		
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			10. Field and Pool, or Exploratory EMPIRE GLORIETA-YESO		
14. Date Spudded 08/28/2012			15. Date T.D. Reached 09/04/2012		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> 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? <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 type="checkbox"/> No <input checked="" 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 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 11/06/2012	Test Date 12/05/2012	Hours Tested 24	Test Production →	Oil BBL 60.0	Gas MCF 91.0	Water BBL 420.0	Oil Gravity Corr. API 37.8	Gas Gravity	Production Method ELECTRIC PUMPING UNIT
Choke Size SI	Tbg. Press. Flwg. 70	Csg. Press. 70.0	24 Hr. Rate →	Oil BBL 60	Gas MCF 91	Water BBL 420	Gas:Oil Ratio 1516	Well Status POW	ACCEPTED FOR RECORD

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

(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 \*\* BLM REVISED \*\*

RECLAMATION  
DUE 4-17-13

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

gm

## 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.)
5. Sundry Notice for plugging and cement verification

2. Geologic Report
6. Core Analysis

3. DST Report
- 7 Other:

4. Directional Survey

## 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 \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* 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%