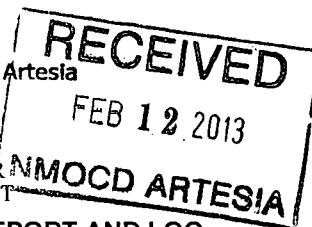


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia



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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM118109

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
TUMAK FEDERAL 2

9. API Well No.  
30-015-40464-00-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

17. Elevations (DF, KB, RT, GL)\*  
3708 GL

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
12/06/2012

18. Total Depth: MD 5448  
TVD 5424

19. Plug Back T.D.: MD 5400  
TVD

20. Depth Bridge Plug Set: MD  
TVD

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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: BRIAN MAIORINO  
E-Mail: bmaiorino@concho.com

3. Address ONE CONCHO CENTER 600 WILLINOIS 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 984FSL 474FWL

At top prod interval reported below SWSW 988FSL 916FWL

At total depth SWSW 988FSL 916FWL

14. Date Spudded  
10/21/2012

15. Date T.D. Reached  
10/29/2012

18. Total Depth: MD 5448  
TVD 5424

19. Plug Back T.D.: MD 5400  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
HRLA CNL

**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	263		1089		0	
11.000	8.625 J-55	24.0	0	927		500		0	
7.875	5.500 J-55	17.0	0	5448		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	5052							

**25. Producing Intervals**

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	3690	3940	3690 TO 3940	0.210	26	OPEN
B) BLINEBRY	4130	4950	4130 TO 4355	0.210	26	OPEN
C)			4415 TO 4640	0.210	26	OPEN
D)			4700 TO 4950	0.210	26	OPEN

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

Depth Interval	Amount and Type of Material
3690 TO 3940	ACIDIZE W/2000 GAL 15%, FRAC W/104K GAL GEL CARRYING 122,446# 16/30 BROWN SAND+ 11,994# 16/30 CRC
4130 TO 4415	ACIDIZE W/2500 GAL 15%, FRAC W/115K GAL GEL CARRYING 140,543# 16/30 BROWN SAND+ 29,300# 16/30 CRC
4415 TO 4640	ACIDIZE W/2500 GAL 15%, FRAC W/114K GAL GEL CARRYING 142,432# 16/30 BROWN SAND+ 29,852# 16/30 CRC
4700 TO 4950	ACIDIZE W/2500 GAL 15%, FRAC W/117K GAL GEL CARRYING 146,854# 16/30 BROWN SAND+ 31,820# 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
12/22/2012	12/26/2012	24	→	43.0	52.0	711.0	37.8		ELECTRIC-PUMPING-UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	70	70.0	→	43	52	711	1209	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. SI	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 #193870 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

*Signature*

## 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	157			RUSTLER	157
YATES	655			YATES	655
SAN ANDRES	2225			SAN ANDRES	2225
GLORIETA	3619			GLORIETA	3619
YESO	3708			YESO	3708
TUBB	5108			TUBB	5108

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 #193870 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 02/06/2013 (13KMS4797SE)

Name (please print) BRIAN MAIORINO

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 02/01/2013

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 \*\***