

OCD - Artesia

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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: **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 **SENE 2040FNL 330FEL**
At top prod interval reported below
Sec 30 T17S R29E Mer NMP
At total depth **NESE 1650FNL 330FEL**

5. Lease Serial No.
NMLC028480A

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No.
WESTERN FEDERAL 8

9. API Well No.
30-015-34815-00-S2

10. Field and Pool, or Exploratory
EMPIRE YESO *Grayburg Jackson*

11. Sec., T., R., M., or Block and Survey
or Area **Sec 30 T17S R29E Mer NMP**

12. County or Parish
EDDY 13. State
NM

14. Date Spudded
01/09/2007 15. Date T.D. Reached
08/17/2010 16. Date Completed
☐ D & A ☒ Ready to Prod.
09/14/2010

17. Elevations (DF, KB, RT, GL)*
3712 GL

18. Total Depth: **MD 5775**
TVD 5775 19. Plug Back T.D.: **MD 2910**
TVD 2910 3880 20. Depth Bridge Plug Set: **MD**
TVD

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

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	379		448		0	
12.250	8.625 J-55	24.0	0	910		650		0	
7.875	5.500 J-55	17.0	0	5768		1355		0	

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OCT 19 2010

NMOCD 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	3695							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	3540	3770	2588 TO 2880	0.410	26	OPEN
B) YESO	3933	5772	3540 TO 3770	0.410	28	OPEN
C)			3933 TO 5772	0.410	182	CLOSED- RBP @ 3880
D)						

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

Depth Interval	Amount and Type of Material
2588 TO 2880	ACIDIZE W/3,500 GALS 15% ACID.
2588 TO 2880	FRAC W/115,849 GALS GEL, 140,260# 16/30 OTTAWA SAND, 29,990# 20/40 SUPER LC SAND.
3540 TO 3770	ACIDIZE W/2,500 GALS 15% ACID.
3540 TO 3770	FRAC W/119,376 GALS GEL, 147,492# 16/30 OTTAWA SAND, 31,290# 20/40 SUPER LC 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
09/25/2010	09/25/2010	24	→	64.0	56.0	927.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 70	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→	64	56	927	875	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
09/25/2010	10/02/2010	24	→	64.0	56.0	927.0	37.8	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 70	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→	64	56	927		POW	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #94779 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

PA Empire Glorieta Yeso

CCH

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	767	4093	DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE	YATES	778
QUEEN	1644			SEVEN RIVERS	1041
SAN ANDRES	2356			QUEEN	1643
GLORIETA	3815			GRAYBURG	2041
YESO	3933			SAN ANDRES	2352
				GLORIETA	3825
				YESO	3921

32. Additional remarks (include plugging procedure):

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

Recomplete to SA. Will eventually DHC w/ Yeso.

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 #94779 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 10/14/2010 (11KMS0049SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 10/13/2010

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 **

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