

RECEIVED

JUL 30 2010

OCD Artesia

Form 3160-2
(August 2007)

NMOCD ARTESIA

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

5. Lease Serial No.
NMNM074935

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: KANICIA CARRILLO
E-Mail: kcarrillo@conchoresources.com

8. Lease Name and Well No.
ELECTRA FEDERAL 48

3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II
MIDLAND, TX 79701

3a. Phone No. (include area code)
Ph: 432-685-4332

9. API Well No.
30-015-37279-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

Sec 10 T17S R30E Mer NMP
At surface NESW 1650FSL 2310FWL

At top prod interval reported below

At total depth

10. Field and Pool, or Exploratory
LOCO HILLS

11. Sec., T., R., M., or Block and Survey
or Area Sec 10 T17S R30E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
05/05/2010

15. Date T.D. Reached
05/14/2010

16. Date Completed
☐ D & A ☒ Ready to Prod.
06/02/2010

17. Elevations (DF, KB, RT, GL)*
3709 GL

18. Total Depth: MD 6014
TVD 6014

19. Plug Back T.D.: MD 5967
TVD 5967

20. Depth Bridge Plug Set: MD
TVD

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

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 H40	48.0	0	445		750		0	0
11.000	8.625 J55	24.0	0	1340		700		0	0
7.875	5.500 J55	17.0	0	6014		950		0	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	4365							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			4490 TO 4760	0.410	26	OPEN
B) PADDOCK	4490	4760	5000 TO 5200	0.410	26	OPEN
C) BLINEBRY	5000	5800	5300 TO 5500	0.410	26	OPEN
D)			5600 TO 5800	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
4490 TO 4760	ACIDIZE W/2,500 GALS 15% ACID
4490 TO 4760	FRAC W/145,925 GALS GEL, 178,911# 16/30 OTTAWA SAND, 22,934# 16/30 SIBERPROP SAND.
5000 TO 5200	ACIDIZE W/3,500 GALS 15% ACID
5000 TO 5200	FRAC W/143,503 GALS GEL, 185,396# 16/30 OTTAWA SAND, 47,955# 16/30 SIBERPROP 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
06/11/2010	06/13/2010	24	→	309.0	390.0	611.0	37.5	0.60	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	→	309	390	611	1262	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
06/11/2010	06/13/2010	24	→	309.0	390.0	611.0	37.6	0.60	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	→	309	390	611		POW	

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

ELECTRONIC SUBMISSION #89885 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

ELECTRIC PUMPING UNIT

JUL 23 2010

Is/ Roger Hall

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

m2

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	1309		DOLOMITE & SAND	YATES	1309
QUEEN	2215		SAND	QUEEN	2215
SAN ANDRES	2949		DOLOMITE & ANHYDRITE	SAN ANDRES	2949
GLORIETA	4389		SAND & DOLOMITE	GLORIETA	4389
YESO	4453		DOLOMITE & ANHYDRITE		
TUBB	5913		SAND		

32. Additional remarks (include plugging procedure):

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

5300 - 5500 ACIDIZE W/3,500 GALS 15% ACID.

5300 - 5500 Frac w/ 97,160 gals gel, 100,979# 16/30 Ottawa sand.

5600 - 5800 ACIDIZE W/3,500 GALS 15% ACID.

5600 - 5800 FRAC W/55,136 gals gel, 28,620# 16/30 Ottawa sand.

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 #89885 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 07/21/2010 (10KMS1827SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 07/20/2010

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 ****