OCD- Artesia

Form 3160-4
(August 2007)

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: NMLC028793C

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.: NMNM88525X

2. Name of Operator: COG OPERATING LLC
Contact: CHASITY JACKSON
E-Mail: cjackson@conchoresources.com

8 Lease Name and Well No.: BURCH KEELY UNIT 592

3. Address: 550 WEST TEXAS AVENUE SUITE 1300, MIDLAND, TX 79701

3a. Phone No. (include area code): Ph: 432-686-3087

9. API Well No.: 30-015-38560-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: NWNW Lot D 145FNL 675FWL Sec 23 T17S R29E Mer NMP
At top prod interval reported below: Sec 23 T17S R29E Mer NMP
At total depth: NWNW Lot D 373FNL 380FWL

10. Field and Pool, or Exploratory: GRAYBURG JACKSON

11. Sec., T., R., M., or Block and Survey or Area: Sec 23 T17S R29E Mer NMP

12 County or Parish: EDDY
13 State: NM

14. Date Spudded: 05/22/2011
15. Date T.D. Reached: 05/29/2011
16 Date Completed: ☐ D & A ☒ Ready to Prod. 06/22/2011
17. Elevations (DF, KB, RT, GL)*: 3594 GL

18. Total Depth: MD 5031 TVD 5000
19 Plug Back T.D.: MD 4980 TVD 4980
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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	350		400		0	
11.000	8.625 J-55	24.0	0	936		500		0	
7.875	5.500 J-55	17.0	0	5021		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	4831							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A)	PADDOCK	4118	4400	4118 TO 4400	0.410	26	OPEN, Paddock
B)	BLINEBRY	4810	4970	4570 TO 4740	0.410	26	OPEN, Upper Blinebry
C)				4810 TO 4970	0.410	26	OPEN, Lower Blinebry
D)							

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

Depth Interval	Amount and Type of Material
4118 TO 4400	ACIDIZE W/3,000 GALS 15% ACID
4118 TO 4400	FRAC W/108,025 GALS GEL, 110,741# 16/30 OTTAWA SAND, 12,502# 16/30 SIBERPROP
4570 TO 4740	ACIDIZE W/2,500 GALS 15% ACID
4570 TO 4740	FRAC W/123,386 GALS GEL, 144,456# 16/30 OTTAWA SAND, 23,817# 16/30 SIBERPROP

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NMOCD ARTESIA

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
06/24/2011	06/27/2011	24	→	43.0	106.0	612.0	37 9		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**	
		70.0	→	43	106	612		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**	**24 Hr Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas Oil Ratio**	**Well Status**	
			→						

ACCEPTED FOR RECORD
JUL 30 2011
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #113935 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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
GLORIETA	3997		DOLOMITE & SAND	YATES	3997
YESO	4104		SAND	QUEEN	4104

32. Additional remarks (include plugging procedure):
44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. CONTINUED..
4810-4970 ACIDIZE W/2,500 GALS 15% ACID.
4810-4970 FRAC W/124,127 GALS GEL, 143,262# 16/30 OTTAWA SAND, 29,408# 16/30 SIBERPROP.

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 #113935 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 07/28/2011 (11KMS2171SE)

Name *(please print)* CHASITY JACKSON Title PREPARER

Signature (Electronic Submission) Date 07/27/2011

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 fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****