Form 3160-4
(August 2007)

RECEIVED
JUL 16 2012
NMOCD ARTESIA

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
NMNM94594

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

8 Lease Name and Well No.
DOGWOOD FEDERAL 3

3. Address 550 WEST TEXAS AVENUE SUITE 100
MIDLAND, TX 79701

3a Phone No. (include area code)
Ph. 432-221-0467

9 API Well No
30-015-39763-00-S1

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

At surface SENW 1650FNL 1410FWL

At top prod interval reported below SENW 1664FNL 1695FWL

At total depth SENW 1664FNL 1695FWL

10. Field and Pool, or Exploratory
RED LAKE

11. Sec., T., R., M., or Block and Survey or Area Sec 25 T17S R27E Mer NMP

12. County or Parish
EDDY

13 State
NM

14. Date Spudded
04/06/2012

15. Date T D Reached
04/12/2012

16. Date Completed
☐ D & A ☒ Ready to Prod
05/14/2012

17 Elevations (DF, KB, RT, GL)*
3570 GL

18. Total Depth MD 4766 TVD

19 Plug Back T.D MD 4703 TVD

20 Depth Bridge Plug Set: MD TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNGR CCL

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	394		400		0	
11.000	8.625 J-55	24.0	0	1014		500		0	
7.875	5.500 J-55	17 0	0	4756		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	4426							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) PADDOCK	3210	3460	3210 TO 3460	0.410	26	OPEN
B) BLINEBRY	3705	4500	3210 TO 3460		26	open, Paddock
C)			3705 TO 3930	0.410	26	OPEN
D)			3705 TO 3930		26	open, Upper Blinebry

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

Depth Interval	Amount and Type of Material
3210 TO 3460	ACID 1600 GAL 15%,FRAC W/103,204GALS GEL CARRYING 113,294# 16/30 BROWN+18,906# SP
3210 TO 3460	gal 15% HCL
3210 TO 3460	gal gel carrying 113294# 16/30 brown sand, 18906# SP
3705 TO 3930	gal 15% HCL

RECLAMATION DUE 11-14-12 OCD 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
05/29/2012	06/04/2012	24	→	74 0	26 0	470 0	38 5		ELECTRIC PUMPING UNIT

Choke Size	Tbg Press Flwg SI 70	Csg Press 70 0	24 Hr Rate →	Oil BBL 74	Gas MCF 26	Water BBL 470	Gas Oil Ratio 351	Well Status 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
AUG 11 2012
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #143478 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
YATES	208			YATES	208
QUEEN	976			QUEEN	976
GRAYBURG	1408			GRAYBURG	1408
SAN ANDRES	1757			SAN ANDRES	1757
GLORIETA	3121			GLORIETA	3121
YESO	3160			YESO	3160
TUBB	4617			TUBB	4617

32. Additional remarks (include plugging procedure)
Logs have been 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 #143478 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 08/02/2012 (12KMS2635SE)

Name *(please print)* BRIAN MAIORINO Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 07/20/2012

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 ****

Additional data for transaction #143478 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
3990 TO 4215		26	open, Middle Blinebry
3990 TO 4215	0.410	26	OPEN
4275 TO 4500		26	open, Lower Blinbry
4275 TO 4500	0 410	26	OPEN

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

Depth Interval	Amount and Type of Material
3705 TO 3930	ACID 1500 GAL 15%,FRAC W/115,238GALS GEL CARRYING 145,459# 16/30 BROWN+31,593# SP
3705 TO 3930	gal gel carrying 145459# 16/30 brown sand, 31593# SP
3990 TO 4215	gal gel carrying 146299# 16/30 brown sand, 29445# SP
3990 TO 4215	gal 15% HCL
3990 TO 4215	ACID 1500 GAL 15%,FRAC W/115,140GALS GEL CARRYING 146,299# 16/30 BROWN+29,445# SP
4275 TO 4500	gal 15% HCL
4275 TO 4500	ACID 2500 GAL 15%,FRAC W/124,647GALS GEL CARRYING 145,909# 16/30 BROWN+30,630# SP
4275 TO 4500	gal gel carrying 145909# 16/30 brown sand, 30630# SP