

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.  
NMNM945941a. 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: NETHA AARON  
E-Mail: OAAARON@CONCHO.COM8. Lease Name and Well No  
DOGWOOD FEDERAL 23. Address 550 WEST TEXAS AVENUE SUITE 100  
MIDLAND, TX 797013a. Phone No (include area code)  
Ph: 432-818-23199. API Well No.  
30-015-39132-00-S1

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

At surface SENW 1991FNL 2310FWL

10. Field and Pool, or Exploratory  
RED LAKE

At top prod interval reported below SENW Lot F 1991FNL 2310FWL 32.806763 N Lat, 104.232800 W Lon

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

At total depth SENW Lot F 1672FNL 2266FWL

12. County or Parish  
EDDY 13. State  
NM14. Date Spudded  
08/22/201115. Date T.D. Reached  
08/29/201116. Date Completed  
☐ D & A ☒ Ready to Prod.  
09/23/201117. Elevations (DF, KB, RT, GL)\*  
3556 GL18. Total Depth: MD 4757  
TVD 475719. Plug Back T.D. MD 4709  
TVD 470920. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
3-DETLITHO-DENS HNGSHI-RESLATOR22. 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	383		1100			
11.000	8.625 J-55	24.0	0	1005		400			
7.875	5.500 J-55	17.0	0	4757		900			

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	4455							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	3725	4520	3725 TO 3950	0.410	26	OPEN, Upper Blinebry
B)			4010 TO 4235	0.410	26	OPEN, Middle Blinebry
C)			4295 TO 4520	0.410	26	OPEN, Lower Blinebry
D)						

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

Depth Interval	Amount and Type of Material
3725 TO 3950	ACIDIZED W/2500 GALS 15% HCL
3725 TO 3950	FRAC W/128,108 GALS GEL, 142,657# 16/30 OTTAWA SAND, 36,549# 16/30 SIBERPROP
4010 TO 4235	ACIDIZED W/3500 GALS 15% HCL
4010 TO 4235	FRAC W/124,369 GALS GEL, 140,394# 16/30 WHITE SAND, 29,879# 16/30 SIBERPROP

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
09/30/2011	10/19/2011	24	→	89.0	138.0	636.0	39.6	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	→	89	138	636		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	
			→						

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

ELECTRONIC SUBMISSION #125481 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT  
RECLAMATION  
DUE 3.23.12  
BLM REVISED OFFICE

## 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	192		DOLOMITE & SAND	YATES	192
SAN ANDRES	1731		SAND	SAN ANDRES	1731
GLORIETA	3106		DOLOMITE & ANHYDRITE	GLORIETA	3106
YESO	3217		SAND & DOLOMITE	YESO	3217
TUBB	4622			TUBB	4622

## 32. Additional remarks (include plugging procedure):

## 44. Acid, Fracture, Treatment, Cement Squeeze, etc. CONT'D

4295 - 4520 Acidized w/3500 gals 15% HCL  
 4295 - 4520 Frac w/124,137 gals gel, 137,239# 16/30 White sand,  
 26,186# 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 #125481 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH MCKINNEY on 12/13/2011 (12DLM0326SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 12/13/2011

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

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**Additional data for transaction #125481 that would not fit on the form**

**32. Additional remarks, continued**

WELL LOGS WILL BE MAILED.

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV  
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised July 16, 2010  
Submit to Appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-39132	Pool Code 96836	Pool Name Red Lake; Glorieta, Yeso, Northeast
Property Code 302479	Property Name <b>DOGWOOD FEDERAL</b>	Well Number 2
OGRID No. 229137	Operator Name <b>COG OPERATING, LLC</b>	Elevation 3556'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	25	17-S	27-E		1991	NORTH	2310	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	25	17-S	27-E		1672	NORTH	2266	WEST	EDDY

Dedicated Acres 4.0	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>Y=657902.8 N X=529897.7 E</p> <p>Y=657896.1 N X=531216.8 E</p> <p>Y=656584.8 N X=529901.1 E</p> <p>Y=656577.2 N X=531221.8 E</p> <p>GRID AZ.=359° 5'16" HORZ. DIST.=341.0'</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=657226.2 N X=530888.9 E LAT.=32.806763° N LONG.=104.232800° W</p> <p>BOTTOM HOLE LOCATION Y=657567.1 N X=530888.5 E</p> <p>DETAIL 3556.0' 3546.9' 3566.3' 3554.8'</p>		<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Netha Aaron</i> 10/24/11 Signature Date</p> <p>Netha Aaron Printed Name</p> <p>oaaaron@concho.com E-mail Address</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>APRIL 6, 2011 Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor: <i>Ronald J. Eidson</i> 3/23/2011</p> <p>Certification Number Gary G. Eidson 12841 Ronald J. Eidson 3239</p> <p>DSS PROFESSIONAL SURVEYOR W.O.: 10.11.0815</p>
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