

WELL COMPLETION OR RECOMPLETION REPORT

5. Lease Serial No.
 NMMN105217

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: **STORMI DAVIS**
 E-Mail: **sdavis@concho.com**

3. Address **2208 W MAIN ST** 3a. Phone No. (include area code)
ARTESIA, NM 88210 Ph: **575-748-6946**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Sec 4 T19S R31E Mer NMP**
NWSW 1800FSL 275FWL
 At top prod interval reported below
Sec 4 T19S R31E Mer NMP
 At total depth **NESE 1984FSL 341FEL**

6. If Indian, Allottee or Tribe Name _____
 7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No.
FIREFOX FEDERAL COM 4H

9. API Well No.
30-015-41571

10. Field and Pool, or Exploratory
HACKBERRY; BONE SPRING N

11. Sec., T., R., M., or Block and Survey
 or Area **Sec 4 T19S R31E Mer NMP**

12. County or Parish **EDDY** 13. State **NM**

14. Date Spudded **05/23/2015** 15. Date T.D. Reached **06/04/2015** 16. Date Completed
 D & A Ready to Prod.
07/08/2015

17. Elevations (DF, KB, RT, GL)*
3568 GL

18. Total Depth: MD **13365** 19. Plug Back T.D.: MD **13360** 20. Depth Bridge Plug Set: MD
 TVD **8887** TVD **8887** TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE

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 J55	54.5	0	720		625		0	
12.250	9.625 J55	36.0	0	2608		850		0	
8.750	5.500 P110	17.0	0	13365		2750		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	8360							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8987	13310	8987 TO 13310	0.430	540	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
8987 TO 13310	SEE IN REMARKS

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
07/14/2015	07/20/2015	24	→	255.0	184.0	1468.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. 320 SI	Csg. Press. 170.0	24 Hr. Rate →	Oil BBL 255	Gas MCF 184	Water BBL 1468	Gas:Oil Ratio	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
DEC 24 2015
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #313208 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Reclamation
 Date: 4/20/16

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
DELAWARE	4524	6525		RUSTLER	611
BONE SPRING LM	6526	7882		TOS	685
1ST BONE SPRING	7883	8771		BOS	2214
2ND BONE SPRING	8772	8904		YATES	2426
				SEVEN RIVERS	2699
				DELAWARE	4524
				BONE SPRING LM	6526
				1ST BONE SPRING	7883

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 13114-13310 3000 449470 405822
 12819-13012 5999 451650 375431
 12524-12721 5999 451930 373043
 12224-12426 5999 524510 592673
 11935-12131 6972 457118 539637
 11640-11836 5999 452882 369668
 11345-11545 5999 456072 367778

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 #313208 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad
 Committed to AFMSS for processing by DEBORAH HAM on 12/01/2015 ()

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 08/19/2015

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #313208 that would not fit on the form

32. Additional remarks, continued

11050-11247 6384 448885 428904
10750-10952 5982 456874 373059
10461-10657 5999 458428 388256
10166-10363 5964 452071 364500
9871-10070 6192 452500 377640
9577-9773 6258 451820 363804
9288-9478 5999 459491 399999
8987-9180 9300 433569 359415
Totals 92046 6857270 6079628

Additional Tops:
2nd Bone Spring 8772

Surveys attached.