

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.
NMNM115409

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
RUNNING BUFFALO 1 FEDERAL COM 1H9. API Well No.
30-015-4153810. Field and Pool, or Exploratory
WC015 G05 S202935P; BS11. Sec., T., R., M., or Block and Survey
or Area Sec 1 T21S R28E Mer NMP12. County or Parish
EDDY13. State
NM17. Elevations (DF, KB, RT, GL)*
3449 GL1a. 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 LLCContact: STORMI DAVIS
E-Mail: sdavis@concho.com3. Address 2208 W MAIN ST
ARTESIA, NM 882103a. Phone No. (include area code)
Ph: 575-748-6946

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

Sec 1 T21S R28E Mer NMP
At surface NESE 1980FSL 1090FEL

At top prod interval reported below

Sec 1 T21S R28E Mer NMP

At total depth NENE Lot 1 372FNL 390FEL

14. Date Spudded
06/14/201415. Date T.D. Reached
07/16/201416. Date Completed
☐ D & A ☒ Ready to Prod.
09/09/201418. Total Depth: MD 13617
TVD 856819. Plug Back T.D.: MD 13527
TVD 856820. Depth Bridge Plug Set: MD 13527
TVD 856821. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE22. 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
20.000	16.000 J55	65.0	0	850		850		0	
14.750	11.750 J55	47.0	0	1700		1075		0	
10.625	8.625 HCK55	32.0	0	3100	1780	850		250	
7.875	5.500 P110	17.0	0	13573		2025		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	7847							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8812	13520	8812 TO 13520	0.430	576	OPEN - SEE REMARKS
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8812 TO 13520	SEE IN REMARKS

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 27 2014

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
09/13/2014	09/21/2014	24	→	412.0	362.0	1314.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	390	370.0	→	412	362	1314		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	
			→						

Pending BLM approvals will
subsequently be reviewed
and scanned JCS

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

ELECTRONIC SUBMISSION #272923 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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
BELL CANYON	3075	3875		RUSTLER	489
CHERRY CANYON	3876	6268		TOP OF SALT	916
BRUSHY CANYON	6269	6581		TANSILL	1542
BONE SPRING LM	6582	6731		CAPITAN	1870
AVALON SHALE	6732	7701		BELL CANYON	3075
1ST BONE SPRING	7702	8440		CHERRY CANYON	3876
2ND BONE SPRING	8441	8657		BRUSHY CANYON	6269
				BONE SPRING LM	6582

32. Additional remarks (include plugging procedure):

Perfs 7 1/2%(Gal) Sand(#) Fluid(Gal)
 13328-13520 3066 449404 465654
 13040-13232 6048 453232 373548
 12752-12944 5999 447265 372743
 12464-12656 5964 448398 369138
 12176-12368 6108 449062 374971
 11888-12080 7098 445277 409374
 11605-11792 5922 34810 213024

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 #272923 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad**

Name (please print) STORMI DAVISTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 10/23/2014

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 #272923 that would not fit on the form

32. Additional remarks, continued

10981-11187 6006 448395 468174
10671-10877 5940 451286 371052
10361-10568 5940 449523 372012
10051-10258 5964 447459 365358
9742-9948 6006 452567 365358
9432-9638 6048 449271 371112
9122-9329 6006 451239 370254
8812-9019 5940 442352 366846
Totals 88054 6319540 5628617

Additional tops:

Avalon Shale 6732
1st Bone Spring 7702
2nd Bone Spring 8441