

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM120895

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
PATRON 23 FEDERAL 4H

9. API Well No.  
30-015-42451

10. Field and Pool, or Exploratory  
WILDCAT; UP WOLFCAMP

11. Sec., T., R., M., or Block and Survey  
or Area Sec 23 T25S R29E Mer

12. County or Parish  
EDDY

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3141 GL

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 PRODUCTION LLC  
Contact: STORM DAVIS  
E-Mail: sdavis@concho.com

3. Address 2208 WEST MAIN  
ARTESIA, NM 88210  
3a. Phone No. (include area code)  
Ph: 575-748-6948

4. Location of Well (Report location clearly and in accordance with Federal requirements)  
At surface Sec 23 T25S R29E Mer  
NENE 190FNL 660FEL  
At top prod interval reported below  
Sec 23 T25S R29E Mer  
At total depth SESE 665FSL 671FEL

14. Date Spudded  
08/12/2015  
15. Date T.D. Reached  
09/20/2015  
16. Date Completed  
 D & A  Ready to Prod.  
01/21/2016

18. Total Depth: MD 14865 TVD 10574  
19. Plug Back T.D.: MD 14710 TVD 10571  
20. Depth Bridge Plug Set: MD 14710 TVD 10571

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	768		650		0	
12.250	9.625 J55	40.0	0	3285		1350		0	
8.750	7.000 P110	29.0	0	10150		1000		0	
6.125	4.500 P110	13.5	9658	14860		600		9658	

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	9821	9804						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10966	14696	10966 TO 14696	0.430	828	OPEN
B)			14746 TO 14756		60	UNDER CBP
C)						
D)						

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

Depth Interval	Amount and Type of Material
10966 TO 14696	SEE IN REMARKS

Accepted for record - NMOCD

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
01/26/2016	02/02/2016	24	→	242.0	679.0	1668.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
16/64	SI	2482	→	242	679	1668		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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD  
/S/ DAVID R. GLASS

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

ELECTRONIC SUBMISSION #330973 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

MAY 23 2016

DAVID R. GLASS

PETROLEUM ENGINEER

RECLAMATION DUE:  
JULY 21 2016

ET  
6/17/14

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.)  
**FLARED**

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
LAMAR	3278	3321		RUSTLER	783
BELL CANYON	3322	4216		TOP OF SALT	1248
CHERRY CANYON	4217	5409		BOTTOM OF SALT	3075
BRUSHY CANYON	5410	7092		LAMAR	3278
BONE SPRING LM	7093	8069		BELL CANYON	3322
1ST BONE SPRING	8070	8917		CHERRY CANYON	4217
2ND BONE SPRING	8918	9985		BRUSHY CANYON	5410
3RD BONE SPRING	9986	10351		BONE SPRING LM	7093

32. Additional remarks (include plugging procedure):  
 Perfs 15% Sand# Fluid (Gal)  
 14595-14696 1512 298973 285012  
 14444-14545 3024 299482 299586  
 14293-14394 3024 251585 280896  
 14138-14242 3024 299410 348306  
 13647-13754 4536 296657 434616  
 13498-13590 3570 298070 354774  
 13349-13448 3024 298866 346458

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 #330973 Verified by the BLM Well Information System.  
 For COG PRODUCTION LLC, sent to the Carlsbad  
 Committed to AFMSS for processing by JENNIFER SANCHEZ on 05/20/2016 ()**

Name (please print) STORMI DAVIS Title PREPARER

Signature (Electronic Submission) Date 02/08/2016

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 #330973 that would not fit on the form**

**32. Additional remarks, continued**

13200-13296 3024 297986 384678  
13056-13142 2940 300392 375354  
12902-12999 3024 297777 307986  
12753-12852 3066 298846 317688  
12604-12704 3024 183134 360738  
12455-12555 2982 304418 312144  
12306-12404 3024 300426 309246  
12158-12257 3024 304615 316512  
12009-12106 3024 299685 309540  
11860-11955 3150 301579 311346  
11711-11810 3024 299602 307230  
11562-11661 3024 300516 308070  
11413-11512 3024 300362 306978  
11264-11363 3066 309044 311010  
11118-11214 3024 300314 316302  
10966-11065 2982 302929 313404  
Totals 70140 6744668 7517874

**Additional Tops:**

1st Bone Spring 8070  
2nd Bone Spring 8918  
3rd Bone Spring 9986  
Wolfcamp 10352

Surveys are attached.