

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM116047

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
SMALLS FEDERAL 7H

9. API Well No.  
30-025-43068-00-S1

10. Field and Pool, or Exploratory  
WC025G06S223421L-BONE SPRING

11. Sec., T., R., M., or Block and Survey  
or Area Sec 28 T22S R34E Mer NMP

12. County or Parish  
LEA

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3411 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: STORMI DAVIS  
E-Mail: sdavis@concho.com

3. Address 2208 W MAIN STREET  
ARTESIA, NM 88210

3a. Phone No. (include area code)  
Ph: 575-748-6946

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface Sec 28 T22S R34E Mer NMP  
SESU 190FSL 2010FWL  
At top prod interval reported below  
Sec 28 T22S R34E Mer NMP  
At total depth NENW 261FNL 1328FWL

14. Date Spudded  
11/07/2016

15. Date T.D. Reached  
11/27/2016

16. Date Completed  
 D & A  Ready to Prod.  
01/25/2017

18. Total Depth: MD 14780  
TVD 10125

19. Plug Back T.D.: MD 14734  
TVD 10125

20. Depth Bridge Plug Set: MD  
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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	16.000 J-55	75.0	0	2205		2000		0	
14.750	11.750 J-55	47.0	0	3740		1700		0	
10.625	8.625 K-55	32.0	0	5225	3857	1700		0	
7.875	5.500 P-110	17.0	0	14780		1950		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	9695	9686						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING 2ND	10336	14705	10336 TO 14705	0.000	1188	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10336 TO 14705	SEE ATTACHED

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
01/25/2017	01/25/2017	24	▶	75.0	167.0	729.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
15/64	SI 2350		▶	75	167	729		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		▶						

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #368221 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
\*\* BLM REVISED \*\*

**RECLAMATION DUE:  
JUL 25 2017**

**HOBBS OGD**

**MAR 31 2017**

**RECEIVED**

**ACCEPTED FOR RECORD**  
**DAVID R. GLASS**

**MAR 21 2017**

**DAVID R. GLASS**

**PETROLEUM ENGINEER**

**KZ**

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
RUSTLER	2371	3468	OIL/GAS/WATER	RUSTLER	2371
DELAWARE	5216	5301		BASE OF SALT	3469
BELL CANYON	5302	6027		YATES	3583
CHERRY CANYON	6028	7276		CAPITAN REEF	3991
BRUSHY CANYON	7277	8502		DELAWARE	5216
BONE SPRING LIME	8503	9581		BELL CANYON	5302
BONE SPRING 1ST	9582	10042		CHERRY CANYON	6028
BONE SPRING 2ND	10336	14705		BRUSHY CANYON	7277
				BONE SPRING LIME	8503
				BONE SPRING 1ST	9582
			BONE SPRING 2ND	10043	

32. Additional remarks (include plugging procedure):  
Surveys, perms & stimulation are attached.

Additional Tops:  
Bone Spring Lm: 8503'  
1st Bone Spring 9582'  
2nd Bone Spring 10043'

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 #368221 Verified by the BLM Well Information System.**  
For COG PRODUCTION LLC, sent to the Hobbs  
Committed to AFMSS for processing by DUNCAN WHITLOCK on 03/13/2017 (17DW0030SE)

Name (please print) STORMI DAVIS Title PREPARER

Signature \_\_\_\_\_ (Electronic Submission) Date 02/27/2017

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.

### SMALLS FEDERAL #7H (30-025-43068)

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1470	313481	424788
2	3024	313240	442260
3	3024	311662	455448
4	3024	311339	436968
5	2982	311087	434784
6	3024	312003	434364
7	3024	312172	439194
8	3024	312968	439992
9	3024	312289	380688
10	2982	312465	378966
11	3024	312240	379554
12	3024	312273	382872
13	2982	313515	366534
14	3024	312264	362880
15	2982	312150	361410
16	3024	312043	356538
17	2982	312293	358134
18	4536	312557	374514
19	3024	310398	361998
20	3024	312435	385224
21	3024	310259	365610
22	3024	395389	559692
23	3024	312220	324870
24	3024	312899	362628
25	3024	311137	359436
26	3024	311672	353934
27	3024	309007	356832
<b>Totals</b>	<b>81,396</b>	<b>8,507,457</b>	<b>10,640,112</b>

From Bottom to Top	Stage 1	Distance Between Perfs	Shots	Stage 2	Distance Between Perfs	Shots	Stage 3	Distance Between Perfs	Shots	Stage 4	Distance Between Perfs	Shots	Stage 5	Distance Between Perfs	Shots
	14,705	41	14	14,542	41	14	14,378	41	14	14,215	41	14	14,053	44	14
	14,664	41	12	14,501	41	12	14,338	41	12	14,174	41	12	14,011	41	12
	14,623	40	10	14,460	41	10	14,297	41	10	14,133	36	10	13,970	41	10
	14,583		8	14,419		8	14,256		8	14,097		8	13,929		8
Plug to Plug	179	44	Plug to Plug	155	44	Plug to Plug	159	44	Plug to Plug	166	44	Plug to Plug	171	44	
Frac Plug	14,731	Total Shots	Frac Plug	14,552	Total Shots	Frac Plug	14,397	Total Shots	Frac Plug	14,238	Total Shots	Frac Plug	14,072	Total Shots	

From Bottom to Top	Stage 6	Distance Between Perfs	Shots	Stage 7	Distance Between Perfs	Shots	Stage 8	Distance Between Perfs	Shots	Stage 9	Distance Between Perfs	Shots	Stage 10	Distance Between Perfs	Shots
	13,888	41	14	13,725	41	14	13,562	41	14	13,398	41	14	13,240	35	14
	13,848	41	12	13,681	36	12	13,521	41	12	13,358	41	12	13,194	41	12
	13,807	41	10	13,645	42	10	13,480	41	10	13,317	42	10	13,153	40	10
	13,766		8	13,603		8	13,439		8	13,275		8	13,113		8
Plug to Plug	156	44	Plug to Plug	163	44	Plug to Plug	157	44	Plug to Plug	170	44	Plug to Plug	166	44	
Frac Plug	13,901	Total Shots	Frac Plug	13,745	Total Shots	Frac Plug	13,582	Total Shots	Frac Plug	13,425	Total Shots	Frac Plug	13,255	Total Shots	

From Bottom to Top	Stage 11	Distance Between Perfs	Shots	Stage 12	Distance Between Perfs	Shots	Stage 13	Distance Between Perfs	Shots	Stage 14	Distance Between Perfs	Shots	Stage 15	Distance Between Perfs	Shots
	13,072	41	14	12,908	41	14	12,745	44	14	12,582	41	14	12,416	43	14
	13,031	41	12	12,868	36	12	12,704	41	12	12,541	41	12	12,381	44	12
	12,990	41	10	12,832	43	10	12,663	40	10	12,500	41	10	12,337	41	10
	12,949		8	12,789		8	12,623		8	12,459		8	12,296		8
Plug to Plug	160	44	Plug to Plug	164	44	Plug to Plug	173	44	Plug to Plug	153	44	Plug to Plug	164	44	
Frac Plug	13,089	Total Shots	Frac Plug	12,929	Total Shots	Frac Plug	12,765	Total Shots	Frac Plug	12,592	Total Shots	Frac Plug	12,439	Total Shots	

From Bottom to Top	Stage 16	Distance Between Perfs	Shots	Stage 17	Distance Between Perfs	Shots	Stage 18	Distance Between Perfs	Shots	Stage 19	Distance Between Perfs	Shots	Stage 20	Distance Between Perfs	Shots
	12,255	41	14	12,092	41	14	11,930	45	14	11,765	41	14	11,602	41	14
	12,214	41	12	12,051	41	12	11,888	41	12	11,724	41	12	11,559	35	12
	12,173	40	10	12,010	35	10	11,847	41	10	11,683	40	10	11,524	45	10
	12,133		8	11,975		8	11,806		8	11,643		8	11,479		8
Plug to Plug	159	44	Plug to Plug	167	44	Plug to Plug	169	44	Plug to Plug	158	44	Plug to Plug	163	44	
Frac Plug	12,275	Total Shots	Frac Plug	12,116	Total Shots	Frac Plug	11,949	Total Shots	Frac Plug	11,780	Total Shots	Frac Plug	11,622	Total Shots	

From Bottom to Top	Stage 21	Distance Between Perfs	Shots	Stage 22	Distance Between Perfs	Shots	Stage 23	Distance Between Perfs	Shots	Stage 24	Distance Between Perfs	Shots	Stage 25	Distance Between Perfs	Shots
	11,438	41	14	11,275	41	14	11,108	45	14	10,948	41	14	10,785	41	14
	11,398	41	12	11,234	41	12	11,072	42	12	10,908	41	12	10,744	43	12
	11,357	41	10	11,193	40	10	11,030	41	10	10,867	41	10	10,701	35	10
	11,316		8	11,153		8	10,989		8	10,826		8	10,666		8
Plug to Plug	155	44	Plug to Plug	172	44	Plug to Plug	165	44	Plug to Plug	161	44	Plug to Plug	164	44	
Frac Plug	11,459	Total Shots	Frac Plug	11,304	Total Shots	Frac Plug	11,132	Total Shots	Frac Plug	10,967	Total Shots	Frac Plug	10,806	Total Shots	

From Bottom to Top	Stage 26	Distance Between Perfs	Shots	Stage 27	Distance Between Perfs	Shots	Stage 28	Distance Between Perfs	Shots	Stage 29	Distance Between Perfs	Shots	Stage 30	Distance Between Perfs	Shots
	10,622	44	14	10,458	41	14	10,336			10,336	0			0	
	10,581	41	12	10,418	41	12									
	10,540	41	10	10,377	41	10									
	10,499		8	10,336		8									
Plug to Plug	173	44	Plug to Plug	133	44	Plug to Plug	0	0	Plug to Plug	0	0	Plug to Plug	0	0	
Frac Plug	10,642	Total Shots	Frac Plug	10,469	Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	