

MAR 30 2015

Form 3160-4  
(August 2007)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 RECEIVED

5. Lease Serial No.  
NMNM128366

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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.com8. Lease Name and Well No.  
BLACK PEARL 1 FEDERAL 3H3. Address 2208 W MAIN ST  
ARTESIA, NM 88210  
3a. Phone No. (include area code)  
Ph: 575-748-69469. API Well No.  
30-025-422944. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 1 T20S R34E Mer NMP  
At surface NWNW 190FNL 1260FWL10. Field and Pool, or Exploratory  
LEA; BONE SPRINGAt top prod interval reported below  
Sec 1 T20S R34E Mer NMP  
At total depth SESW 522FSL 1994FWL11. Sec., T., R., M., or Block and Survey  
or Area Sec 1 T20S R34E Mer NMP12. County or Parish  
LEA  
13. State  
NM14. Date Spudded  
01/10/201515. Date T.D. Reached  
02/05/201516. Date Completed  
☐ D & A ☒ Ready to Prod.  
03/10/201517. Elevations (DF, KB, RT, GL)\*  
3695 GL18. Total Depth: MD 15568  
TVD 1091919. Plug Back T.D.: MD 15465  
TVD 1092820. Depth Bridge Plug Set: MD 15465  
TVD 1092821. 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
17.500	13.375 J55	54.5	0	1896		1400		0	
12.250	9.625 J55	36.0	0	3513		1025		0	
8.750	5.500 P110	17.0	0	15535		2850		465	

## 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	10340	10324						

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11077	15445	11077 TO 15246	0.430	396	OPEN
B)			15435 TO 15445		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
11077 TO 15246	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
03/13/2015	03/21/2015	24	→	1195.0	552.0	1429.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
32/64			→	1195	552	1429		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 #296071 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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pm

## 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
DELAWARE	5852	5855		RUSTLER	1746
CHERRY CANYON	5856	6697		TOS	1866
BRUSHY CANYON	6698	8092		BOS	3403
BONE SPRING LM	8093	9492		TANSILL	3483
1ST BONE SPRING	9493	10213		YATES	3594
2ND BONE SPRING	10214	10777		SEVEN RIVERS	4003
3RD BONE SPRING	10778	10948		QUEEN	4597
				CAPITAN	4772

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

Perfs 7 1/2" Sand (#) Fluid (gal)  
 15106-15246 7032 302849 323631  
 14713-14982 6000 305827 302478  
 14309-14578 5922 301157 264222  
 13906-14175 6006 296947 257418  
 13502-13771 5982 299555 256638  
 13099-13368 5982 300637 254479  
 12697-12965 6048 301608 287700

## 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 #296071 Verified by the BLM Well Information System.  
 For COG OPERATING LLC, sent to the Hobbs**

Name (please print) STORMI DAVISTitle REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 03/25/2015

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 #296071 that would not fit on the form**

**32. Additional remarks, continued**

12292-12561 6006 303268 216846  
11892-12158 6024 299464 295152  
11490-11755 6006 301116 250824  
11077-11356 6024 294174 250506  
Totals 67030 3306602 2959893

**Additional Tops:**

Delaware 5852  
Cherry Canyon 5856  
Brushy Canyon 6698  
Bone Spring Lm 8093  
1st Bone Spring 9493  
2nd Bone Spring 10214  
3rd Bone Spring 10778

Surveys are attached.