

NMOCD Copy

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NNNM128366

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

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

2. Name of Operator **COG OPERATING LLC** Contact: **STORMI DAVIS**
 8. Lease Name and Well No. **BLACK PEARL 1 FEDERAL 3H**

3. Address **ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287** 3a. Phone No. (incl. MOBSOCD)
 Ph: 575.748.6946

9. API Well No. **30-025-42294-00-S1**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Sec 1 T20S R34E Mer NMP Lot 3 190FNL 1260FWL 32.608890 N Lat, 103.517724 W Lon** **APR 15 2015**
 At top prod interval reported below **Sec 1 T20S R34E Mer NMP**
 At total depth **SESW 522FSL 1994FWL** **RECEIVED**

10. Field and Pool, or Exploratory **LEA**
 11. Sec., T., R., M., or Block and Survey or Area **Sec 1 T20S R34E Mer NMP**
 12. County or Parish **LEA** 13. State **NM**

14. Date Spudded **01/10/2015** 15. Date T.D. Reached **02/05/2015** 16. Date Completed D & A Ready to Prod. **03/10/2015**
 17. Elevations (DF, KB, RT, GL)* **3695 GL**

18. Total Depth: MD **15568** TVD **10919** 19. Plug Back T.D.: MD **15465** TVD **10928** 20. Depth Bridge Plug Set: MD **15465** TVD **10928**

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 Cemen-ter Depth	No. of Sks. & 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	0.000	396	OPEN (37570) BS
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			ACCEPTED FLOWS FROM WELL LOGD
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
32/64	SI	700	▶	1195	552	1429		POW	ACCEPTED FOR RECORD

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
			▶						APR 14 2015
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		▶						BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #296071 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

MAY 18 2015

AM

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		TOP OF SALT	1866
BRUSHY CANYON	6698	8092		BASE OF SALT	3403
BONE SPRING LIME	8093	9492		TANSILL	3483
BONE SPRING 1ST	9493	10213		YATES	3594
BONE SPRING 2ND	10214	10777		SEVEN RIVERS	4003
BONE SPRING 3RD	10778	10948		QUEEN	4597
				CAPITAN REEF	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
Committed to AFMSS for processing by LINDA JIMENEZ on 04/01/2015 (15LJ0886SE)

Name (please print) STORMI DAVIS Title 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.

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.