

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM128366

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**

3. Address **ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287** 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 **Lot 4 0190FNL 1160FWL 32.608889 N Lat, 103.518049 W Lon**
At top prod interval reported below **Sec 1 T20S R34E Mer NMP**
At total depth **SWSW 0342FSL 0781FWL**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No. **BLACK PEARL 1 FEDERAL 4H**

9. API Well No. **30-025-42295-00-S1**

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 **06/19/2015** 15. Date T.D. Reached **07/08/2015** 16. Date Completed D & A Ready to Prod. **08/21/2015**

17. Elevations (DF, KB, RT, GL)* **3696 GL**

18. Total Depth: MD **15535** TVD **10959** 19. Plug Back T.D.: MD **15460** TVD **10956** 20. Depth Bridge Plug Set: MD **15460** TVD **10956**

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)

RECEIVED
FEB 08 2016
NMOCD

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	1856		1250		0	
12.250	9.625 J55	40.0	0	3491		1025		0	
8.750	5.500 P110	17.0	0	15510		2710		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	10353	10344						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11045	15420	11045 TO 15333	0.000	792	OPEN- BS
B)			15410 TO 15420		60	OPEN- BS
C)						
D)						

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

Depth Interval	Amount and Type of Material
11045 TO 15333	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
08/30/2015	09/07/2015	24	→	797.0	1263.0	1070.0			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
			→						

ACCEPTED FOR RECORD
FLOWS FROM WELL
JAN 21 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #315855 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED **

Recalculation date 2/30/16
FEB 15 2016

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
BONE SPRING LIME	7968	9480		RUSTLER	1797
BONE SPRING 1ST	9481	10205		TOP OF SALT	1918
BONE SPRING 2ND	10206	10741		BASE OF SALT	3411
BONE SPRING 3RD	10742	10959		YATES	3687
				SEVEN RIVERS	3955
				CAPITAN REEF	4989
				BONE SPRING LIME	7968
				BONE SPRING 1ST	9481

32. Additional remarks (include plugging procedure):

Perfs 7 1/2% Acid Sand(#) Fluid (Gal)
 15227-15333 5536 311793 344938
 15032-15162 2982 311932 328734
 14829-14962 3066 310391 317394
 14630-14761 3024 310509 319326
 14431-14563 3024 310381 321762
 14231-14364 3024 313099 390516
 14032-14165 3024 310095 320418

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 #315855 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 10/01/2015 (16LJ0004SE)

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 09/09/2015

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.

**** REVISED ** REVISED ****