

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. BLACK PEARL 1 FEDERAL 2H	
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287		9. API Well No. 30-025-42293-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 1 T20S R34E Mer NMP At surface Lot 1 0190FNL 1090FEL 32.608910 N Lat, 103.508204 W Lon At top prod interval reported below Sec 1 T20S R34E Mer NMP At total depth SWSE 0340FSL 1982FEL		10. Field and Pool, or Exploratory LEA	
14. Date Spudded 07/12/2015		15. Date T.D. Reached 07/29/2015	
16. Date Completed ☐ D & A ☒ Ready to Prod. 09/04/2015		17. Elevations (DF, KB, RT, GL)* 3694 GL	
18. Total Depth: MD 15632 TVD 11000		19. Plug Back T.D.: MD 15568 TVD 11000	
20. Depth Bridge Plug Set: MD 15568 TVD 11000		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	1935		1200		0	
12.250	9.625 J55	40.0	0	3475		1000		0	
8.750	5.500 P110	17.0	0	15632		2665		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	10322	10314						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11149	15540	11149 TO 15476	0.000	828	OPEN-BS
B)			15530 TO 15540		60	OPEN-BS
C)						
D)						

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

Depth Interval	Amount and Type of Material
11149 TO 15476	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
09/05/2015	09/09/2015	24	→	350.0	635.0	823.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22/64	SI	1075	→	350	635	823		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 #316082 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Reclamation due
3/05/16

dm

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	Thg. 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	Thg. 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
DELAWARE	5888	8137		RUSTLER	1816
BONE SPRING LIME	8138	9604		TOP OF SALT	1909
BONE SPRING 1ST	9605	10306		BASE OF SALT	3401
BONE SPRING 2ND	10307	10892		YATES	3642
BONE SPRING 3RD	10892	11001		SEVEN RIVERS	3914
				CAPITAN REEF	4813
				DELAWARE	5888
				BONE SPRING LIME	8138

32. Additional remarks (include plugging procedure):

Perfs 7 1/2% Acid Sand(#) Fluid (Gal)
 15353-15476 5544 317442 349860
 15161-15289 3066 310698 322518
 14968-15095 3024 310993 317940
 14779-14907 3150 311040 320460
 14588-14716 3024 311818 320544
 14397-14524 3024 310240 318654
 14206-14333 3024 310721 315840

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 #316082 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 (16LJ0008SE)

Name (please print) STORMI DAVISTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 09/11/2015

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

Additional data for transaction #316082 that would not fit on the form

32. Additional remarks, continued

14015-14142 2940 310591 304080
13824-13951 2982 310951 316008
13633-13760 3108 311017 314664
13441-13569 3024 310489 316638
13247-13373 3024 310669 315252
13059-13187 3024 310579 316932
12868-12992 3066 310349 316680
12677-12804 2940 310319 336336
12486-12613 2940 311154 315000
12295-12422 3024 310147 316470
12104-12231 3024 309632 314874
11912-12040 3024 309494 313026
11721-11849 2940 310186 312102
11530-11658 3066 310044 317646
11339-11467 3024 310169 310086
11149-11275 3024 318285 318780
Totals 72030 7157027 7320390

Additional tops:

1st Bone Spring: 9605
2nd Bone Spring: 10307
3rd Bone Spring: 10892

Surveys Attached