

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

**RECEIVED**

Lease Serial No.  
NMNM120908

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 **Sec 30 T24S R32E Mer NMP NENW 210FNL 1900FWL 32.194908 N Lat, 103.716347 W Lon**  
 At top prod interval reported below **Sec 31 T24S R32E Mer NMP SESW 50FSL 2400FWL 32.166588 N Lat, 103.714722 W Lon**  
 At total depth **Sec 31 T24S R32E Mer NMP SESW 238FSL 2308FWL**

6. If Indian, Allottee or Tribe Name \_\_\_\_\_  
 7. Unit or CA Agreement Name and No. \_\_\_\_\_  
 8. Lease Name and Well No. **WINDWARD FEDERAL 8H**  
 9. API Well No. **30-025-43517-00-S1**  
 10. Field and Pool, or Exploratory **WC025G06S253206M-BONE SPRING**  
 11. Sec., T., R., M., or Block and Survey or Area **Sec 30 T24S R32E Mer NMP**  
 12. County or Parish **LEA** 13. State **NM**  
 14. Date Spudded **02/01/2017** 15. Date T.D. Reached **02/21/2017** 16. Date Completed  D & A  Ready to Prod. **08/24/2017**  
 17. Elevations (DF, KB, RT, GL)\* **3543 GL**  
 18. Total Depth: MD **19142** TVD **9133** 19. Plug Back T.D.: MD **19045** TVD **9134** 20. Depth Bridge Plug Set: MD **19045** TVD **9134**  
 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 J-55	54.5	0	814		710		0	
12.250	9.625 J-55	40.0	0	4540		1520		0	
8.750	5.500 P-110	17.0	0	19115		3700		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	8801	8750						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9307	19020	9307 TO 19020	0.000	2816	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9307 TO 19020	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
08/25/2017	08/28/2017	24	→	534.0	768.0	2881.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	700	300.0	→	534	768	2881		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			→						

**ACCEPTED FOR RECORD**  
**DAVID R. GLASS**  
**OCT 23 2017**

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #390171 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**DAVID R. GLASS**  
**PETROLEUM ENGINEER**

**RECLAMATION DUE:**  
**FEB 24 2018**

*[Handwritten Signature]*

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
DELAWARE	4546	4572	OIL\GAS\WATER	RUSTLER	823
BELL CANYON	4573	5531		TOP OF SALT	1059
CHERRY CANYON	5532	6803		BASE OF SALT	4324
BRUSHY CANYON	6804	8458		DELAWARE	4546
BONE SPRING LIME	8459	9165		BELL CANYON	4573
BONE SPRING	9307	19020		CHERRY CANYON	5532
				BRUSHY CANYON	6804
				BONE SPRING LIME	8459

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

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 #390171 Verified by the BLM Well Information System.**  
For COG OPERATING LLC, sent to the Hobbs  
Committed to AFMS for processing by DAVID GLASS on 10/18/2017 (18DRG0008SE)

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission) Date 09/28/2017

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.

\*\* REVISED \*\*