

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

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other				5. Lease Serial No. NMNM108973	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____				6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC				Contact: AMANDA AVERY E-Mail: aavery@concho.com	
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287				3a. Phone No. (include area code) Ph: 575-748-6940	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNW 435FNL 262FWL 32.093056 N Lat, 103.653397 W Lon At top prod interval reported below NWNW 435FNL 262FWL 32.093054 N Lat, 103.653394 W Lon At total depth NWNW 435FNL 262FWL 32.093054 N Lat, 103.653394 W Lon				8. Lease Name and Well No. HARRIER FEDERAL COM 202H	
14. Date Spudded 06/23/2019				15. Date T.D. Reached 10/14/2019	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/12/2020				9. API Well No. 30-025-45831-00-S1	
18. Total Depth: MD 19461 TVD 9386				19. Plug Back T.D.: MD 19299 TVD 9386	
20. Depth Bridge Plug Set: MD 19385 TVD 9386				10. Field and Pool, or Exploratory JENNINGS	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)				11. Sec., T., R., M., or Block and Survey or Area Sec 35 T25S R32E Mer NMP	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)				12. County or Parish LEA	
23. Casing and Liner Record (Report all strings set in well)				13. State NM	
17. Elevations (DF, KB, RT, GL)* 3370 GL					

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	905		725		0	
12.250	9.625 J55	40.0	0	4641		1065		0	
8.750	5.500 P110	17.0	0	19450		3665		2940	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8637	8627						

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
BONE SPRINGS UPPER SHAL			9571 TO 19290		1440	OPEN
B) BONE SPRING	9571	19290				
C)						
D)						

Depth Interval	Amount and Type of Material
9571 TO 19290	74,918 7 1/2%; 19,564,062# SAND, 20,272,639 GAL FLUID.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/14/2020	06/14/2020	24	→	102.0	137.0	976.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
14/64	SI 830	566.0	→	102	137	976	1343	POW	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/14/2020	06/14/2020	24	→	102.0	137.0	976.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
14/64	SI 830	566.0	→	102	137	976		POW	

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

ELECTRONIC SUBMISSION #522196 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	719			RUSTLER	719
TOP OF SALT	1099			TOP OF SALT	1099
BASE OF SALT	4472			BASE OF SALT	4472
LAMAR	4663			LAMAR	4663
BELL CANYON	4706			BELL CANYON	4706
CHERRY CANYON	5696			CHERRY CANYON	5696
BRUSHY CANYON	7235			BRUSHY CANYON	7435
BONE SPRING 2ND	8811			BONE SPRING 2ND	8811

32. Additional remarks (include plugging procedure):

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 #522196 Verified by the BLM Well Information System.**  
**For COG OPERATING LLC, sent to the Hobbs**  
**Committed to AFMSS for processing by JENNIFER SANCHEZ on 08/04/2020 (20JAS0158SE)**

Name(*please print*) AMANDA AVERY Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission) Date 07/16/2020

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.

## Revisions to Operator-Submitted EC Data for Well Completion #522196

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM108973	NMNM108973
Agreement:		
Operator:	COG OPERATING LLC 2208 W MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 432.685.4342
Admin Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com  Ph: 575-748-6940	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com  Ph: 575-748-6940
Tech Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com  Ph: 575-748-6940	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com  Ph: 575-748-6940
Well Name: Number:	HARRIER FEDERAL COM 202H	HARRIER FEDERAL COM 202H
Location:		
State:	NM	NM
County:	LEA	LEA
S/T/R:	Sec 35 T25S R32E Mer NMP	Sec 35 T25S R32E Mer NMP
Surf Loc:	NWNW Lot D 435FNL 262FWL 32.093054 N Lat, 103.653397 W Lon	NWNW Lot D 435FNL 262FWL 32.093056 N Lat, 103.653397 W Lon
Field/Pool:	JENNINGS; UPPER BS SHALE	JENNINGS
Logs Run:		
Producing Intervals - Formations:	BONE SPRING	BONE SPRINGS UPPER SHAL BONE SPRING
Porous Zones:	RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIMESTONE	RUSTLER TOP OF SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING 2ND
Markers:	RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIMESTONE	RUSTLER TOP OF SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING 2ND