

Reclamation due: 12/19/20

Rec'd 8/4/2020 - NMOCD

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				8. Lease Name and Well No. HARRIER FEDERAL COM 302H	
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287				9. API Well No. 30-025-45833-00-S1	
3a. Phone No. (include area code) Ph: 575-748-6940				10. Field and Pool, or Exploratory JENNINGS	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 2 T26S R32E Mer NMP SESW 375FSL 1790FWL 32.066040 N Lat, 103.648468 W Lon At top prod interval reported below Sec 2 T26S R32E Mer NMP SESW 375FSL 1790FWL 32.066040 N Lat, 103.648467 W Lon At total depth Sec 35 T25S R32E Mer NMP NWNE 51FNL 1996FWL 32.094111 N Lat, 103.647789 W Lon				11. Sec., T., R., M., or Block and Survey or Area Sec 2 T26S R32E Mer NMP	
14. Date Spudded 06/25/2019		15. Date T.D. Reached 11/27/2019		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/17/2020	
17. Elevations (DF, KB, RT, GL)* 3250 GL					
18. Total Depth: MD 20229 TVD 10041		19. Plug Back T.D.: MD 20080 TVD 10041		20. Depth Bridge Plug Set: MD 20096 TVD 10041	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)				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)	

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	852		725		0	
12.250	9.625 L80	40.0	0	4618		1050		0	
8.750	5.500 P110	17.0	0	20214	8874	4145		2900	

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	9440	9430						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING UPPER			10370 TO 20071		1044	OPEN
B) BONE SPRING	10370	20071				
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
10370 TO 20071	74,991 7 1/2%, 19,600,100# SAND, 21,668,152 GAL FLUID

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
06/19/2020	06/19/2020	24	→	545.0	747.0	3624.0			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 764	515.0	→	545	747	3624	1371	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
06/19/2020	06/19/2020	24	→	545.0	747.0	3624.0			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 764	515.0	→	545	747	3624		POW	

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

ELECTRONIC SUBMISSION #522919 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	

<p>30. Summary of Porous Zones (Include Aquifers):</p> <p>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.</p>	<p>31. Formation (Log) Markers</p>
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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.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
RUSTLER	672			RUSTLER	672
TOP OF SALT	1045			TOP OF SALT	1045
BASE OF SALT	4371			BASE OF SALT	4371
LAMAR	4596			LAMAR	4596
BELL CANYON	4633			BELL CANYON	4633
CHERRY CANYON	5619			CHERRY CANYON	5619
BRUSHY CANYON	7264			BRUSHY CANYON	7264
BONE SPRING 2ND	8809			BONE SPRING 2ND	8809

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:	

Title REGULATORY ANALYST

Date 07/24/2020

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

Revisions to Operator-Submitted EC Data for Well Completion #522919

	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 302H	HARRIER FEDERAL COM 302H
Location:		
State:	NM	NM
County:	LEA	LEA
S/T/R:	Sec 2 T26S R32E Mer NMP	Sec 2 T26S R32E Mer NMP
Surf Loc:	SESW Lot N 375FSL 1790FWL 32.066040 N Lat, 103.648468 W Lon	SESW Lot N 375FSL 1790FWL 32.066040 N Lat, 103.648468 W Lon
Field/Pool:	WC-025 G-08 S253235G; BS	JENNINGS
Logs Run:		
Producing Intervals - Formations:	BONE SPRING	BONE SPRING UPPER 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