

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 2208 W Main Street Artesia NM 88210		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-41569	⁵ Pool Name Gatuna Canyon; Bone Spring	⁶ Pool Code 96688
⁷ Property Code 40044	⁸ Property Name Marauder 31 Federal	⁹ Well Number 3H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
B	31	19S	31E		330	North	1650	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	31	19S	31E		348	South	1965	East	Eddy

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	P	8/22/14			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278421	Holly Refining & Marketing Company, LLC PO Box 159 Artesia, NM 88210	O
221115	Frontier Field Services, LLC 4200 E. Skelly Drive - Suite 700 Tulsa, OK 74135-3256	G
NM OIL CONSERVATION ARTESIA DISTRICT AUG 28 2014 RECEIVED		

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBSD	²⁵ Perforations	²⁶ DHC, MC
4/10/14	8/13/14	13270'	13262'	9088-13175'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
20"	16"	450'	550 sx		
14 3/4"	11 3/4"	2320'	1250 sx		
10 5/8"	8 5/8"	4095'	1150 sx		
7 7/8"	5 1/2"	13265'	1950 sx		
	2 7/8"	8417'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
8/22/14	8/22/14	8/25/14	24 Hrs	384#	127#
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	299	1407	912	Pumping	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Stormi Davis*
Printed name: Stormi Davis
Title: Regulatory Analyst
E-mail Address: sdavis@concho.com
Date: 8/26/14 Phone: 575-748-6946

OIL CONSERVATION DIVISION

Approved by: *JD Dade*
Title: *DIST # SUPERVISOR*
Approval Date: *9-9-2014*

Pending BLM approvals will subsequently be reviewed and scanned

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM97136

RECEIVED

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**
E-Mail: **sdavis@concho.com**

3. Address **2208 W MAIN ST**
ARTESIA, NM 88210 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 **NWNE 330FNL 1650FEL**
At top prod interval reported below
Sec 31 T19S R31E Mer NMP
At total depth **SESW 348FSL 1965FEL**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No.
MARAUDER 31 FEDERAL 3H

9. API Well No.
30-015-41569

10. Field and Pool, or Exploratory
GATUNA CANYON; BONE SPRING

11. Sec., T., R., M., or Block and Survey
or Area **Sec 31 T19S R31E Mer NMP**

12. County or Parish
EDDY 13. State
NM

14. Date Spudded
04/10/2014 15. Date T.D. Reached
04/25/2014 16. Date Completed
 D & A Ready to Prod.
08/13/2014

17. Elevations (DF, KB, RT, GL)*
3448 GL

18. Total Depth: MD **13270** TVD **8899** 19. Plug Back T.D.: MD **13262** TVD **8899** 20. Depth Bridge Plug Set: MD **13262** TVD **8899**

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
20.000	16.000 J55	65.0	0	450		550		0	
14.375	11.750 J55	47.0	0	2320		1250		0	
10.625	8.625 HCK55	32.0	0	4095	2375	1150		0	
7.875	5.500 P110	17.0	0	13265		1950		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	8417							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9088	13175	9088 TO 13115	0.430	504	OPEN
B)			13165 TO 13175		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
9088 TO 13175	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
08/22/2014	08/25/2014	24	→	299.0	912.0	1407.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	384	127.0	→	299	912	1407		POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
SI			→				

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #258315 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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
CHERRY CANYON	4052	5151		RUSTLER	385
BRUSHY CANYON	5152	6707		TOS	495
BONE SPRING LM	6708	7952		BOS	1990
1ST BONE SPRING	7953	8724		YATES	2176
2ND BONE SPRING	8725	8899		SEVEN RIVERS	2277
				CAPITAN	2429
				CHERRY CANYON	4052
				BRUSHY CANYON	5152

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 12919-13115' 2982 340156 334392
 12624-12820' 6024 455588 387174
 12329-12526' 5999 459662 376943
 12035-12231' 6024 452431 373650
 11740-11940' 6024 457858 391626
 11445-11642' 6192 455862 375750
 11151-11350' 6024 452477 369030

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 #258315 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad**

Name (please print) STORMI DAVIS Title REGULATORY ANALYST 

Signature _____ (Electronic Submission) Date 08/26/2014

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.

Additional data for transaction #258315 that would not fit on the form

32. Additional remarks, continued

10856-11052' 5982 453141 438708
10561-10758' 5982 447673 369114
10267-10463' 5982 454161 369293
9972-10168' 6006 450122 367626
9677-9874' 5964 448936 367122
9383-9579' 6024 452371 371676
9088-9284' 6006 447317 367050
Totals 81212 6227755 5259152

Additional Tops:

Bone Spring Lime 6708
1st Bone Spring 7953
2nd Bone Spring 8725