

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 - 015-41811	⁵ Pool Name Gatuna Canyon; Bone Spring	⁶ Pool Code 96688
⁷ Property Code 40044	⁸ Property Name Marauder 31 Federal	⁹ Well Number 4H

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
A	31	19S	31E		330	North	660	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
P	31	19S	31E		336	South	647	East	Eddy

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

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278421	Holly Refining & Marketing Company, LLC P.O. Box 159 Artesia, NM 88211-0159	O
221115	Frontier Field Services, LLC 4200 E. Skelly Drive - Ste 700 Tulsa, OK 74135-3256	G
NM OIL CONSERVATION ARTESIA DISTRICT		
SEP 10 2014		

RECEIVED

IV. Well Completion Data

²¹ Spud Date 5/21/14	²² Ready Date 7/31/14	²³ TD 13407'	²⁴ PBSD 13404'	²⁵ Perforations 9155-13330'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
20"	16"	519'	600 sx		
14 3/4"	11 3/4"	2410'	1300 sx		
10 5/8"	8 5/8"	4000'	1000 sx		
7 7/8"	5 1/2"	13407'	1950 sx		
	2 7/8"	8433'			

V. Well Test Data

³¹ Date New Oil 8/4/14	³² Gas Delivery Date 8/15/14	³³ Test Date 8/20/14	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 505#	³⁶ Csg. Pressure 90#
³⁷ Choke Size	³⁸ Oil 533	³⁹ Water 1212	⁴⁰ Gas 539	⁴¹ Test Method 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: 9/9/14
Phone: 575-748-6946

OIL CONSERVATION DIVISION
Approved by: *J. C. Shepard*
Title: "Geologist"
Approval Date: 9-19-2014
Pending BLM approvals will subsequently be reviewed and scanned

TC5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM97136

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name _____
 7. Unit or CA Agreement Name and No. _____

2. Name of Operator **COG OPERATING LLC** Contact: **STORMI DAVIS**
 E-Mail: **sdavis@concho.com**

8. Lease Name and Well No.
MARAUDER 31 FEDERAL 4H

3. Address **2208 W MAIN ST** 3a. Phone No. (include area code)
ARTESIA, NM 88210 Ph: **575-748-6946**

9. API Well No. **30-015-41811**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Sec 31 T19S R31E Mer NMP**
NENE 330FNL 660FEL
 At top prod interval reported below
Sec 31 T19S R31E Mer NMP
 At total depth **SESE 336FSL 647FEL**

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

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
05/21/2014

15. Date T.D. Reached
06/10/2014

16. Date Completed
 D & A Ready to Prod.
07/31/2014

17. Elevations (DF, KB, RT, GL)*
3464 GL

18. Total Depth: MD **13407** TVD **8962** 19. Plug Back T.D.: MD **13404** TVD **8962** 20. Depth Bridge Plug Set: MD **13404** TVD **8962**

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	519		600		0	
14.750	11.750 J55	47.0	0	2410		1300		0	
10.625	8.625 HCK55	32.0	0	4000	2459	1000		0	
7.875	5.500 P110	17.0	0	13407		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	8433							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9155	13330	9155 TO 13270	0.430	504	OPEN
B)			13320 TO 13330		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
9155 TO 13270	SEE IN REMARKS

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 10 2014

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
08/04/2014	08/20/2014	24	→	533.0	539.0	1212.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. 505 SI	Csg. Press. 90.0	24 Hr. Rate →	Oil BBL 533	Gas MCF 539	Water BBL 1212	Gas:Oil Ratio	Well Status	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. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio

Pending BLM approvals will subsequently be reviewed and scanned **TCS**

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	4134	6750		RUSTLER	496
BONE SPRING LM	6751	8000		TOS	571
1ST BONE SPRING	8001	8761		BOS	2041
2ND BONE SPRING	8762	8962		YATES	2299
				SEVEN RIVERS	2386
				CAPITAN	2568
				DELAWARE	4134
				BONE SPRING LM	6751

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 13069-13270' 3990 447487 389322
 12768-12969' 6048 449217 370188
 12463-12668' 6258 448812 386820
 12162-12367' 6024 449841 390156
 11865-12066' 6006 450317 370692
 11564-11765' 6234 449005 363948
 11258-11463' 6132 450804 371238

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 #262078 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 09/09/2014

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.

**** ORIGINAL ** ORIGINAL ****

Additional data for transaction #262078 that would not fit on the form

32. Additional remarks, continued

10962-11162' 5999 448657 370391
10660-10868' 6048 454044 371112
10359-10560' 5964 450790 369978
10058-10259' 6132 452024 369558
9757-9958' 6216 452482 367206
9456-9657' 6216 554108 600138
9155-9350' 5982 427906 348870
Totals 83248 6385494 5439616

Additional Tops:

1st Bone Spring 8001
2nd Bone Spring 8762

Surveys are attached.

This completion report amends the report I just submitted to correct the tubing depth.
Please withdraw previous report.