

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. B	Section 31	Township 19S	Range 31E	Lot Idn	Feet from the 330	North/South Line North	Feet from the 1650	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. O	Section 31	Township 19S	Range 31E	Lot Idn	Feet from the 348	North/South line South	Feet from the 1965	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/22/14	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

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 4/10/14	²² Ready Date 8/13/14	²³ TD 13270'	²⁴ PBTD 13262'	²⁵ Perforations 9088-13175'	²⁶ DHC, MC
²⁷ Hole Size 20"	²⁸ Casing & Tubing Size 16"	²⁹ Depth Set 450'	³⁰ Sacks Cement 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 8/22/14	³² Gas Delivery Date 8/22/14	³³ Test Date 8/25/14	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 384#	³⁶ Csg. Pressure 127#
³⁷ Choke Size	³⁸ Oil 299	³⁹ Water 1407	⁴⁰ Gas 912		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: 

Printed name:
Stormi Davis

Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
8/26/14

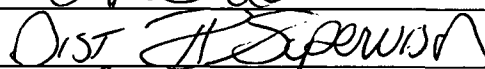
Phone:
575-748-6946

OIL CONSERVATION DIVISION

Approved by:



Title:



Approval Date:

9-9-2014

Pending BLM approvals will
subsequently be reviewed
and scanned

3160-4

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

AUG 28 2014

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM97136

RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. MARAUDER 31 FEDERAL 3H		
3. Address 2208 W MAIN ST ARTESIA, NM 88210			9. API Well No. 30-015-41569		
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			10. Field and Pool, or Exploratory GATUNA CANYON; BONE SPRING		
14. Date Spudded 04/10/2014			15. Date T.D. Reached 04/25/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> 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 TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE			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
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

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)						

26. Perforation Record

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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

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 DAVISTitle REGULATORY ANALYSTSignature (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.

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

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