

# Gas Composition and Properties



May, 2021

Source #: 2.10.1  
Name: Money Graham CDP  
Sampled: May 26, 2021 00:00

Component	Mole %	GPM	Mass %
Carbon Dioxide, CO2	0.1290		0.2620
Nitrogen, N2	0.7520		0.9720
Methane, C1	78.2370		57.9118
Ethane, C2	11.1760	2.9928	15.5056
Propane, C3	4.8350	1.3338	9.8373
iso-Butane, iC4	0.7740	0.2536	2.0757
n-Butane, nC4	1.6940	0.5348	4.5430
iso-Pentane, iC5	0.4740	0.1736	1.5779
n-Pentane, nC5	0.5490	0.1993	1.8276
Hexanes Plus, C6+	1.3800	0.5682	5.4871
Water, H2O			
Hydrogen Sulfide, H2S	0.0000		0.0000
Oxygen, O2			
Carbon Monoxide, CO			
Hydrogen, H2			
Helium, He			
Argon, Ar			

Property	Total Sample	C6 Plus Fraction
Pressure Base	14.650	
Temperature Base	60.00	
HCDP @ Sample Pressure		
Cricondentherm		
HV, Dry @ Base P, T	1302.90	4755.9000
HV, Sat @ Base P, T	1280.60	
HV, Sat @ Sample P, T	1285.95	
Relative Density	0.7540	0.66406
C6+: 100		

Totals 100.0000 6.0570 100.0000

**Sample**

Date: 05/26/2021      Pressure: 70.0  
 Type: S                      Temperature: 105.0  
 Tech: BA                      H2O: lbs/mm  
    H2S: 0 ppm

Remarks: 0

**Analysis**

Date: 06/04/2021      Instrument: 20  
 Tech: GL                      Cylinder:

Remarks:

Flaring Summary

(Column Names) » date

Data table:  
flare\_report\_data (2)  
Colors:  
All values

battery	Sum(TOTAL FLARE (HP + LP))	
	6/3/2021	
Money Graham Battery		936.10
Grand total		936.10

battery

Sum(TOTAL FLARE (HP + LP))

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 31646

**QUESTIONS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 31646
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Determination of Reporting Requirements</b>	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was or is this venting or flaring caused by an emergency or malfunction	No
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a notification of a major venting or flaring	Yes, major venting or flaring of natural gas.
<b>The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19-1-29, NMAC.</b>	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
Did this venting or flaring result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No

<b>Unregistered Facility Site</b>	
<i>Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (F#) yet.</i>	
Facility or Site Name	Money Graham CTB
Facility Type	Tank Battery - (TB)

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	78
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	0
Oxygen (O2) percentage, if greater than one percent	0
<b>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</b>	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

<b>Date(s) and Time(s)</b>	
Date venting or flaring was discovered or commenced	06/02/2021
Time venting or flaring was discovered or commenced	06:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/02/2021
Time venting or flaring was terminated	06:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	12
Longest duration of cumulative hours within any 24-hour period during this event	6

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure   Other (Specify)   Natural Gas Flared   Spilled: 936 Mcf   Recovered: 0 Mcf   Lost: 936 Mcf ]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
Is this a gas only submission (i.e. only Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

<b>Venting or Flaring Resulting from Downstream Activity</b>	
Was or is this venting or flaring a result of downstream activity	Not answered.
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

<b>Steps and Actions to Prevent Waste</b>	
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For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	False
Please explain reason for why this event was beyond your operator's control	Not answered.
Steps taken to limit the duration and magnitude of venting or flaring	Tap Rock Operating received flare volumes for this facility on 6/9/2021 and have reported this within 24 hrs of discovery. The well has been choked back or shut in as of 6/10 and Tap Rock is making strides to get equipment out there for a goal of 100% gas capture.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	The well has been choked back or shut in as of 6/10 and Tap Rock is making strides to get equipment out there for a goal of 100% gas capture.

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CONDITIONS  
 Action 31646

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Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 31646
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	6/11/2021