

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
 Cylinder:

Tech: GL

Remarks:

Flaring Summary

(Column Names) » date

battery	Sum(TOTAL FLARE (HP + LP))	
	6/2/2021	
Money Graham Battery		936.10
Grand total		936.10

Data table:
flare_report_data (2)
Colors:
All values

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 31645

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043 Action Number: 31645 Action Type: [C-129] Venting and/or Flaring (C-129)
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QUESTIONS**Determination of Reporting Requirements**

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

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.
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 19.1.297 NMAC	
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

Unregistered Facility Site

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

Facility or Site Name	Not answered.
Facility Type	Not answered.

Equipment Involved

Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas

Please provide the mole percent for the percentage questions in this group.

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
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
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.

Date(s) and Time(s)

Date venting or flaring was discovered or commenced	06/01/2021
Time venting or flaring was discovered or commenced	06:00 AM
Is the venting or flaring event complete	No
Date venting or flaring was terminated	Not answered.
Time venting or flaring was terminated	Not answered.
Total duration of venting or flaring in hours, if venting or flaring has terminated	Not answered.
Longest duration of cumulative hours within any 24-hour period during this event	6

Measured or Estimated Volume of Vented or Flared Natural Gas

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.

Venting or Flaring Resulting from Downstream Activity

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.

Steps and Actions to Prevent Waste

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 31645

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Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 31645
	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