



11555G

Catalina 30

Catalina 30

Sample Point Code

Sample Point Name

Sample Point Location

Laboratory Services

2021040286

1572

C George - Spot

Source Laboratory

Lab File No

Container Identity

Sampler

USA

USA

USA

New Mexico

District

Area Name

Field Name

Facility Name

Apr 1, 2021 07:45

Apr 1, 2021 07:45

Apr 1, 2021 10:30

Apr 2, 2021

Date Sampled

Date Effective

Date Received

Date Reported

41.00

1,820.00

TG

671 @ 83

Ambient Temp (°F)

Flow Rate (Mcf)

Analyst

Press PSI @ Temp °F
Source Conditions

American Valve & Meter

Tascosa

Operator

Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
Nitrogen (N2)	2.8910	2.990743	
Carbon Dioxide (CO2)	0.0420	0.043666	
Hydrogen Sulfide (H2S)	0.0000	0.00001	
Methane (C1)	73.9930	76.541529	
Ethane (C2)	12.7550	13.194914	3.4100
Propane (C3)	6.2280	6.442484	1.7150
IsoButane (IC4)	0.8340	0.863229	0.2730
n-Butane (NC4)	1.9100	1.975824	0.6020
IsoPentane (IC5)	0.4420	0.457713	0.1620
n-Pentane (NC5)	0.4490	0.464465	0.1630
Hexanes (C6's)	0.4560	0.454	0.1890
TOTAL	100.0000	103.4286	6.5140

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information

Device Type: Gas Chromatograph Device Make: Agilent
 Device Model: 7890B Last Cal Date: Feb 24, 2021

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Å°F	14.73 PSI @ 60.00 Å°F
Dry	Dry Saturated
1,278.4	1,286.2 1,264.4

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.7606	0.7580
Molecular Weight	
21.9550	

C6+ Group Properties

Assumed Composition

C6 - 46.959%	C7 - 31.499%	C8 - 21.542%
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Field H2S
 .1 PPM

PROTREND STATUS:

Passed By Validator on Apr 5, 2021

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

First sample taken @ this point, composition looks reasonable

VALIDATOR:

Torrance Galvan

VALIDATOR COMMENTS:

OK

Sample Point Code - Name @ Location

Operator

11555G - Catalina 30 - Catalina 30

American Valve & Meter

Component	Normalized Mol %	Un-Normalized Mol %	GPM
Nitrogen (N2)	2.8910	2.99074	
Carbon Dioxide (CO2)	0.0420	0.043666	
Hydrogen Sulfide (H2S)	0.0000	1e-005	
Methane (C1)	73.9930	76.5415	
Ethane (C2)	12.7550	13.1949	3.4100
Propane (C3)	6.2280	6.44248	1.7150
IsoButane (IC4)	0.8340	0.863229	0.2730
n-Butane (NC4)	1.9100	1.97582	0.6020
IsoPentane (IC5)	0.4420	0.457713	0.1620
n-Pentane (NC5)	0.4490	0.464465	0.1630
Hexanes (C6's)	0.2160	0.214	0.0870
Heptanes (C7's)	0.1320	0.132	0.0510
Octanes (C8's)	0.0330	0.033	0.0150
Nonanes (C9's)	0.0020	0.002	0.0000
Decanes (C10's)	0.0150	0.015	0.0100
Undecanes (C11's)	0.0240	0.024	0.0130
Dodecanes (C12's)	0.0140	0.014	0.0080

BTEX

Component	Normalized Mol %	Un-Normalized Mol %	GPM
Benzene	0.0120	0.012	0.0030
Toluene	0.0070	0.007	0.0020
EthylBenzene	0.0000	0	0.0000
M+P Xylene	0.0010	0.001	0.0000
O Xylene	0.0000	0	0.0000

Calculation of Flared Volumes:

Previous gas volumes for the past 4 days (pulled from the gas meter on location):

- 6/12: 2058 MCF
- 6/13: 2155 MCF
- 6/14: 2105 MCF
- 6/15: 2017 MCF
- **Avg Volume: 2084 MCF** – used to estimate the flared volume calculation (below).

Below are the 24-hour gas volumes associated with the unplanned compressor failure (data was pulled from the gas meter at the battery):

- Volume Flared on 6/16: $2084 \text{ MCF} - 1810 \text{ MCF} = \sim 274 \text{ MCF}$
- Volume flared on 6/17: $2084 - 1768 \text{ MCF} = \sim 316 \text{ MCF}$
- Volume flared on 6/18: $2084 - 1831 \text{ MCF} = \sim 253 \text{ MCF}$
- Volume flared on 6/19: $2084 - 1743 \text{ MCF} = \sim 341 \text{ MCF}$
- Volume flared on 6/20: $2084 - 1719 \text{ MCF} = \sim 365 \text{ MCF}$
- Volume flared on 6/21: $2084 - 1716 \text{ MCF} = \sim 368 \text{ MCF}$
- **Total Volume Flared: $\sim 1917 \text{ MCF}$**

Tascosa Energy Partners has purchased a flare meter and will install it as soon as possible to provide accurate flare measurements. Compressor was repaired at 4:30 pm on 6/21/2021.

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 31981

QUESTIONS

Operator: Tascosa Energy Partners, L.L.C 901 W. Missouri Ave Midland, TX 79701	OGRID: 329748
	Action Number: 31981
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	Yes
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 19.13.29.7 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	Gas Compressor Station
Additional details for Equipment Involved. Please specify	The gathering compressor failed unexpectedly due to the wiring harness and magneto. Unfortunately Tascosa Energy Partners could not obtain the necessary parts to repair the unit until 6/21.

Representative Compositional Analysis of Vented or Flared Natural Gas

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

Methane (CH4) percentage	74
Nitrogen (N2) percentage, if greater than one percent	3
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	06/17/2021
Time venting or flaring was discovered or commenced	07:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/21/2021
Time venting or flaring was terminated	10:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	22
Longest duration of cumulative hours within any 24-hour period during this event	4

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Flared Spilled: 1,917 Mcf Recovered: 0 Mcf Lost: 1,917 Mcf
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Flaring occurred intermittently and only when gas pressured up our low-pressure separator. Gas was sold directly off of our high-pressured separator (without the help of the compressor) to reduce emissions as much as possible.
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	No
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.	True
Please explain reason for why this event was beyond your operator's control	Tascosa's gathering compressor failed during off hours. We had no way of knowing that there was an equipment failure until we went to location the next morning. A compressor tech helped us discover the root cause of the failure and ordered parts. However, these parts were unavailable until 6/21.
Steps taken to limit the duration and magnitude of venting or flaring	Tascosa called a compressor tech to location immediately when the event was discovered. He determine the root cause of the failure and ordered the parts required as soon as possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Tascosa has determined the root cause of the failure in order to prevent future events.

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CONDITIONS

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Operator: Tascosa Energy Partners, L.L.C 901 W. Missouri Ave Midland, TX 79701	OGRID: 329748
	Action Number: 31981
	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.	6/22/2021