

Atchafalaya Measurement, Inc.

416 East Main Street Artesia, NM 88210

575-746-3481

Inficon Micro GC Fusion F08904 R03RR2

	Sample Information
Sample Name	Cimarex__ Tres Equis 2 Check__ 6030GC4-2520-05
Station Number	NCP1471059
Lease Name	Tres Equis 2 Check
Analysis For	Cimarex Energy
Producer	Cimarex Energy
Field Name	128
County/State	Lea,NM
Frequency/Spot Sample	Semi-Annual
Sampling Method	Fill Empty
Sample Deg F	64
Atmos Deg F	66
Flow Rate	1074.8
Line PSIG	84
Date/Time Sampled	1-27-20
Cylinder Number	N/A
Cylinder Clean Date	N/A
Sampled By	Alan D
Analysis By	Pat Silvas
Verified/Calibration Date	2-3-20
Report Date	2020-02-05 12:01:56

Component Results

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	23.360	29007.0	2.14427	21442.700	0.000
H2S	0.000	0.0	0.00000	0.000	0.000
Methane	24.100	782451.6	74.12725	741272.500	0.000
Carbon Dioxide	28.300	3860.6	0.23864	2386.400	0.000
Ethane	37.020	223197.7	12.92880	129288.000	3.470
Propane	76.780	146796.7	6.53701	65370.100	1.808
i-butane	28.660	58688.6	0.79988	7998.800	0.263
n-Butane	30.140	149923.1	1.98263	19826.300	0.627
i-pentane	34.760	31845.1	0.37286	3728.600	0.137
n-Pentane	36.500	33360.0	0.37513	3751.300	0.136
Hexanes Plus	120.000	45743.0	0.49353	4935.300	0.215
Total:			100.00000	1000000.000	6.656

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	100.20137	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Gross Heating Value (BTU / Ideal cu.ft.)	1290.9	1268.4
Gross Heating Value (BTU / Real cu.ft.)	1295.9	1273.9
Relative Density (G), Ideal	0.7591	0.7567
Relative Density (G), Real	0.7617	0.7596
Compressibility (Z) Factor	0.9961	0.9957

CIMAREX Back Map View Reports Multi-Trend User Settings Ignition (New Client) Log Off Jun 8, 2021, 10:00:44 AM Login (TUL): jdacosta									
Device Details Search Results - TRES EQUIS STATE 2H FLARE									
Tags Properties Alarms Alerting Trending History Notes									
EFM History Command History CSV Print Help									
From: 03/23/2021 12:00 AM To: 06/30/2021 12:00 AM Reset Dates Refresh Data									
Daily Hourly Alarms Events									
Row Count: 100									
DateTimeStamp	Volume	Energy	StaticPress	DiffPress	Temp	Flow Time (mins)	Flow Up Time Pct	Flow Down Time Pct	
2021-06-06	0	0	13.01	0	87	0	0	100	
2021-06-05	0	0	13.26	0	80	0	0	100	
2021-06-04	0	0	13.39	0	76	0	0	100	
2021-06-03	0	0	13.39	0	75	0	0	100	
2021-06-02	0	0	13.38	0	75	0	0	100	
2021-06-01	154.02	196.08	19.04	31.52	91	384.88	26.73	73.27	
2021-05-31	21	26.73	17.16	23.03	80	67.6	4.69	95.31	
2021-05-30	0	0	13.25	0	73	0	0	100	

District I

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

District II

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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 30949

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 30949
	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, minor 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 19.13.297 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	Tres Equis State HP
Facility Type	Flare Stack - (FS)

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	74
Nitrogen (N2) percentage, if greater than one percent	2
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	06/03/2021
Time venting or flaring was discovered or commenced	07:15 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/02/2021
Time venting or flaring was terminated	02:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	6
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 Gas Plant Natural Gas Flared Spilled: 154 Mcf Recovered: 0 Mcf Lost: 154 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	Yes
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	High line pressure attributed to a surprise maintenance event by gas gatherer's system.
Steps taken to limit the duration and magnitude of venting or flaring	Both field and Marketing teams contacted TARGA
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Better communication with Third Party Gas gatherer to plan such events accordingly.

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CONDITIONS

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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.	6/8/2021