

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

	Sample Information
Sample Name	RED TANK 4 FED CTB (728828-00)
Sample Date	11-15-17
Meter ID	728828-00
Technician Name	LR
Lab Technician	KG
Method Name	AKM.met
Injection Date	2017-11-19 12:00:15

Component Results

Component Name	Raw Amount	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	3.3020	3.3307	0.000	
Methane	71.5550	72.1772	0.000	
CO2	0.6180	0.6234	0.000	
Ethane	12.4740	12.5825	3.378	
H2S	0.0000	0.0000	0.000	
Propane	6.1910	6.2448	1.727	
iso-Butane	0.7820	0.7888	0.259	
n-Butane	2.2130	2.2322	0.706	
iso-Pentane	0.4730	0.4771	0.175	
n-Pentane	0.5170	0.5215	0.190	
Hexanes Plus	1.0130	1.0218	0.445	
Water	0.0000	0.0000	0.000	
Total:	99.1380	100.0000	6.881	

Results Summary

Result	Dry	Sat.	
Total Raw Amount	99.1380		
Pressure Base (psia)	14.730		
Flowing Temperature (Deg. F)	54.0		
Flowing Pressure (psia)	24.0		
Gross Heating Value (BTU / Real cu.ft.)	1308.0	1285.8	
Relative Density (G), Real	0.7885	0.7859	
Total GPM	6.881	6.864	
Total Molecular Weight	22.752	22.670	

RED TANK 3 FEDERAL COM 14H FLARE		Digital (gas)			
		8/17/2021	8/16/2021	8/15/2021	8/14/2021
➤ Static	(PSI)	15	15	15	15
Differential	(In H2O)	0	0	0	0
Gas Flowed	(MCF)	29.0	28.0	54.0	51.0

District I

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Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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District III

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Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

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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 45368

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 45368
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS**Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

Incident Well	Not answered.
Incident Facility	[fAPP2124248357] RED TANK 3 FEDERAL COM 14H

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 and/or flaring caused by an emergency or malfunction	No
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a notification of a major venting and/or flaring	Yes, minor venting and/or flaring of natural gas.
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/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
Was the venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

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	72
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	6
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 and/or flaring was discovered or commenced	08/15/2021
Time venting and/or flaring was discovered or commenced	07:15 AM
Time venting and/or flaring was terminated	12:00 PM
Cumulative hours during this event	20

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Other Well Natural Gas Flared Released: 162 Mcf Recovered: 0 Mcf Lost: 162 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 significant 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 and/or flaring a result of downstream activity	Not answered.
Date notified of downstream activity requiring this venting and/or flaring	Not answered.
Time notified of downstream activity requiring this venting and/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 flow of oil.
Steps taken to limit the duration and magnitude of venting and/or flaring	Cimarex field team did all it could to curtail high flow of oil.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Facility will be monitored for higher than usually flow of oil.

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CONDITIONS

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Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 45368
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jacosta01	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	8/30/2021