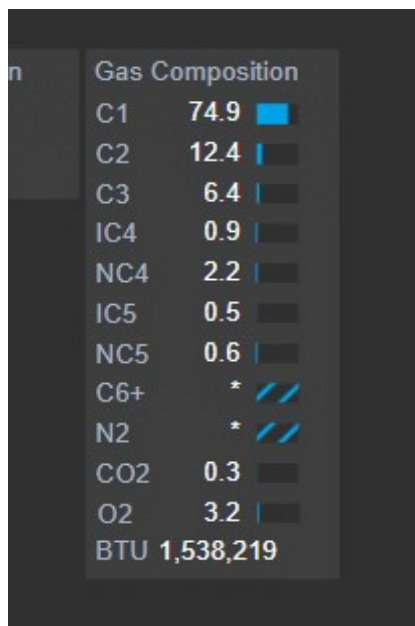


<u>End Date</u>	<u>Heating Value</u>	<u>Relative Density</u>
11/1/2022 9:00	1315.8591	0.76804

Below GC Reading @ time of Emergency Shutdown (ESD)

<u>Constituent</u>	<u>Wt% of Total Emissions</u>
Carbon Dioxide	0.3503
Nitrogen	1.3638
Methane	74.7274
Ethane	12.3641
Propane	6.451
Isobutane	0.8963
n-Butane	2.2776
Isopentane	0.506
n-Pentane	0.5816
Neopentane	
Hexane	0.2892
Heptane	0.1446
Octane	0.0482
Nonane	0
Decane	



## Breakdown of Bell Lake South Compressor Station

Compressor Packages					
Tag #	Manufacturer	Engine Size	Initial Mass (lb)	Emissions (scf)	Volume (ft <sup>3</sup> )
5CM101	Exterran	3608	411	6,379	329
5CM102	Exterran	3608	411	6,379	329
5CM103	Exterran	3516	189	Not operating	144
5CM104	Archrock	3516	216	3,360	168
5CM105	Archrock	3516	215	3,360	163
5CM106	SEC	3516	230	3,576	184
5CM107	AG	3516	187	2,889	162
5CM108	Exterran	3516	190	Not operating	148
Total			2,050	25,943	1,628

Lines and Equipment			
Description	Initial Mass (lb)	Emissions (scf)	Volume (ft <sup>3</sup> )
Piping	3,403	39,408	1,781
Equipment	13,674	40,632	1,609
Total	17,077	80,040	3,391

Station Volume Total **5,019** ft<sup>3</sup>  
 Station Initial Mass Total **19,126** lb  
 Station Emission Total **105,983** scf  
 Station Emission Total (Mcf) 105.9826041

Comments and Assumptions

- 1) For compressor packages: connection line volumes to and from the suction and discharge headers were included. This is due to the main isolation valves being located next to the main header
- 2) Equipment volumes were determined from dimensions from the P&IDs and/or Equipment Drawings
- 3) Piping lengths and schedules were pulled from the as-built 3D models of the compressor station.
- 4) Initial Hydrocarbon Mass was calculated from using the simulated mass density in VMG.
- 5) Emissions for single phase vapor streams are calculated by using Equation W-14A of 40 CFR Part 98, Section 233, Paragraph (i) and the station is not assumed to be purged.
- 6) Emissions for two phase or liquid streams are calculated by flash calculations in VMG.

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**Oil Conservation Division**  
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DEFINITIONS

Action 161237

DEFINITIONS

Operator: MarkWest Energy West Texas Gas Company, L.L.C 1515 Arapahoe Street Denver, CO 80202	OGRID: 329252
	Action Number: 161237
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
--

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QUESTIONS

Action 161237

**QUESTIONS**

Operator: MarkWest Energy West Texas Gas Company, L.L.C 1515 Arapahoe Street Denver, CO 80202	OGRID: 329252
	Action Number: 161237
	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	Unavailable.
Incident Facility	[fAPP2125136221] Permian Natural Gas Gathering System

**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 this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	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 at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> 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 vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

**Equipment Involved**

Primary Equipment Involved	Gas Compressor Station
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	75
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	3

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

Methane (CH4) percentage quality requirement	75
Nitrogen (N2) percentage quality requirement	1
Hydrogen Sulfide (H2S) PPM quality requirement	0
Carbon Dioxide (CO2) percentage quality requirement	0
Oxygen (O2) percentage quality requirement	0

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QUESTIONS, Page 2

Action 161237

QUESTIONS (continued)

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	Action Number: 161237
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/12/2022
Time vent or flare was discovered or commenced	11:20 AM
Time vent or flare was terminated	02:56 PM
Cumulative hours during this event	3

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Pipeline Quality Specifications   Producing Well   Natural Gas Vented   Released: 106 Mcf   Recovered: 0 Mcf   Lost: 106 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
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 this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Midstream operator has no control of producing well and unable to anticipate the natural gas quality being too high in oxygen.
Steps taken to limit the duration and magnitude of vent or flare	Midstream operations performed an emergency shutdown to clear the off-spec natural gas.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Midstream immediately communicated off-spec quality to producer and continued communication to ensure natural gas quality returned to allowed specifications.

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ACKNOWLEDGMENTS

Action 161237

**ACKNOWLEDGMENTS**

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	Action Number: 161237
	Action Type: [C-129] Venting and/or Flaring (C-129)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 161237

**CONDITIONS**

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	Action Number: 161237
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
jobrien	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.	11/27/2022