



OLA  
 3302 Pilot Ave.  
 Midland, Texas 79706  
 432-789-1860

Report Date: 4/29/2023

**C6 Plus Gas Analysis Report**

<b>OLA Customer:</b>	Permian Resources	<b>Purpose:</b>	Routine
<b>Operator:</b>	Permian Resources	<b>Account Rep:</b>	Whitney Shipley
<b>Well Name:</b>	Misty 35 Fed Com 4H	<b>Sample ID:</b>	01230428021
<b>Meter Number:</b>	WELLHEAD	<b>Sample Date:</b>	4/27/2023
<b>County:</b>	Delaware Basin	<b>Received Date:</b>	4/28/2023
<b>API #:</b>	3001541413	<b>Log Out Date:</b>	4/29/2023
<b>Sample Type:</b>	Gas		

**Permian Resources, Permian Resources, Misty 35 Fed Com 4H,WELLHEAD**

GC C6 Plus Gas Sample Results					
Components	Mole %	Weight %	Liq. Vol. %	Sample GPM Characteristics	Results
Carbon Dioxide	0.1493	0.3104	0.1328	Ethane GPM	3.2830
Nitrogen	2.0088	2.6587	1.1525	Propane GPM	1.6238
Methane	76.58240	58.05	67.71	Isobutane GPM	0.2249
Ethane	12.26370	17.42	17.10	NButane GPM	0.5056
Propane	5.8880	12.27	8.4595	Isopentane GPM	0.1152
iso-Butane	0.6866	1.8856	1.1718	NPentane GPM	0.1028
n-Butane	1.6020	4.3992	2.6339	NHexane GPM	0.0967
iso-Pentane	0.3147	1.0727	0.6002	NHeptane GPM	ND
n-Pentane	0.2834	0.9661	0.5358	Gasoline GPM (Pentane and Heavier)	ND
C6 Plus	0.2210	0.9730	0.5038		
Totals	100.00	100	100	Total GPM (Ethane Inclusive)	5.9520

  

Sample Characteristics	Results	Sample Characteristics	Results
Sample Temperature (F):	92.00	Heating Value Basis	Dry
Sample Pressure (psi):	106.00	Heating Value Vol Dry	1248.54
		Heating Value Vol Wet	1226.76
Specific Gravity @ 60/60 F, calculated	0.7308		
Calculated BTU / Real CF @ 14.73 PSIA, dry basis	1255.90		
Calculated BTU / Real CF @ 14.73 PSIA, wet basis	1233.84	H2S ppm	ND
Average Molecular Weight	21.17		
Molar Mass Ratio	0.7304	VOC Weight Fraction	0.2156
Relative Density ( G x Z (Air) / Z ), calculated	0.7334	Higher Heating Value (BTU/ft3)	1248.54
Ideal Gross Heating Value, BTU / Ideal CF @ 14.696 PSIA	1248.54	Lower Heating Value (BTU/ft3)	1132.78
Compressibility Factor (Z)	0.9964		

**\*Preliminary Production Data\***

<b><u>Well Name</u></b>	<b><u>Production Date</u></b>	<b><u>Gas Flare</u></b>
Misty Ivore 35 CTB 1	3/28/2023	50 mcf

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**District IV**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 214106

**DEFINITIONS**

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 214106
	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:

- this application's operator, hereinafter "this operator";
- venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 214106

**QUESTIONS**

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 214106
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Unavailable.
Incident Facility	[fAPP2216672586] MISTY-IVORE FEDERAL BATTERY

<b>Determination of Reporting Requirements</b>	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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	Yes
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
<i>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.</i>	
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 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 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	77
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
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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.

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**QUESTIONS (continued)**

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 214106
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/28/2023
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Pipeline (Any)   Natural Gas Flared   Released: 50 Mcf   Recovered: 0 Mcf   Lost: 50 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 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	DCP down for line leak
Steps taken to limit the duration and magnitude of vent or flare	Open valves to divert gas to a second midstream company to relieve pressure off the line.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Clear consistent communication with midstream provider.

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ACKNOWLEDGMENTS

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**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 214106

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	Action Number: 214106
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
chasketteag	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.	5/5/2023