ARMSTRONG GAS LABS, INC.
P.O. Box 988
Monahans, Texas 79756
(432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 242473
Customer: **AVANT**

Component	Mol. %	(Ideal) BTU	(Ideal) SG	(Real) GPM
Nitrogen	3.4216	0.000	0.033	
Methane	67.0181	674.764	0.371	
CO2	6.9281	0.000	0.105	
Ethane	10.7607	189.836	0.112	2.874
H2S	0.1200	0.000	0.001	
Propane	5.9462	149.144	0.091	1.636
Iso-Butane	0.7612	24.676	0.015	0.249
Butane	2.1460	69.790	0.043	0.676
Iso-Pentane	0.6104	24.345	0.015	0.223
Pentane	0.7197	28.760	0.018	0.261
Hexanes C6+	1.5680	80.174	0.050	0.683
H2O	0.0000	0.000	0.000	
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1241.490	0.855	6.602

Producer:
Well / Sta. Name: **LEA FED UNIT CTB W TEST 1**
Sta. No.: **30025044E**
Formation:
Field:
County:

Spot / Composite: **Spot**
Date / Time On:
Date / Time Off: 07/30/24
Date to Lab: 08/09/24
Date Analyzed: 08/12/24

Sample Press. (PSIG): 50
Line Press. (PSIG): 50
Sample Temp. (F): 105
Fl. Gas Temp. (F): 105
Amb. Temp. (F): 88

Del. To:
Sampled By: EL
Cylinder No.: 61

Field H2O (#/mm):
Field H2S (PPM): 1,200.0
Field H2S (Grains): 75.52

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9955563
Z Factor (Act.): 0.9955563

Dry BTU (Real): **1247.03**
Sat. BTU (Real): **1225.72**
H2O (# / mmcf):
As Del. BTU (Real):

Sp. Gravity (Real): **0.8586**
Field Gravity:
Lab Gravitometer:

GPM Ethane+ (Real): **6.602**
GPM Propane+ (Real): **3.728**
GPM IC5+ (Real): **1.167**

GPA 2145 / 2172

Fld. Remarks: API - 3002520506
Lab Remarks: JULY SAMPLE / OFF TIME N/L

Preliminary Production Data

Facility Name	Event Date	Flare mcf
Lea Fed West CTB	6/21/2024	121 mcf

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

DEFINITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 409089
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 409089
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	*Unavailable.*
Incident Name	*Unavailable.*
Incident Type	**Flare**
Incident Status	*Unavailable.*
Incident Facility	**[fAPP2132825965] LEA FED WEST BT20022**
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.	

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was this vent or flare caused by an emergency or malfunction	No
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 **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 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	67
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	7
Oxygen (02) 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	0
Nitrogen (N2) percentage quality requirement	0
Hydrogen Sufide (H2S) PPM quality requirement	0
Carbon Dioxide (C02) percentage quality requirement	0
Oxygen (02) percentage quality requirement	0

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QUESTIONS (continued)

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	Action Number: 409089
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/21/2024
Time vent or flare was discovered or commenced	06:00 AM
Time vent or flare was terminated	07:00 AM
Cumulative hours during this event	1

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 Compressor Station | Natural Gas Flared | Released: 121 MCF | Recovered: 0 MCF | Lost: 121 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	No
Downstream OGRID that should have notified this operator	0
Date notified of downstream activity requiring this vent or flare	
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	Unexpected high line pressure
Steps taken to limit the duration and magnitude of vent or flare	Pressured up facility to get as much down the line as possible
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Consistent communication with midstream provider to resolve high line pressure.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☑	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
☑	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
☑	I hereby certify the statements in this amending 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.
☑	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.
☑	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

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 409089
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
twelem	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	12/5/2024