



ARMSTRONG GAS LABS, INC.

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

GAS ANALYSIS REPORT

Analysis No.: 242402

Customer: **AVANT**

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	3.5677	0.000	0.035	
Methane	67.8546	683.186	0.376	
CO2	1.7235	0.000	0.026	
Ethane	13.5799	239.571	0.141	3.628
H2S	0.0300	0.000	0.000	
Propane	7.1255	178.724	0.108	1.961
Iso-Butane	0.8880	28.786	0.018	0.290
Butane	2.2996	74.785	0.046	0.724
Iso-Pentane	0.6098	24.321	0.015	0.223
Pentane	0.7286	29.116	0.018	0.264
Hexanes C6+	1.5928	81.442	0.051	0.694
H2O	0.0000	0.000	0.000	
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1339.932	0.835	7.784

Producer:
Well / Sta. Name: LEA UNIT SOUTH BATT T5
Sta. No.: 30025077E
Formation:
Field:
County:

Spot / Composite: Spot
 Date / Time On:
 Date / Time Off: 07/29/24 09:00 AM
 Date to Lab: 08/05/24
 Date Analyzed: 08/06/24

Sample Press. (PSIG): 59
 Line Press. (PSIG): 59
 Sample Temp. (F): 75
 Fl. Gas Temp. (F): 75
 Amb. Temp. (F): 81

Del. To:
 Sampled By: EL
 Cylinder No.: 796

Field H2O (#/mm):

Field H2S (PPM): 300.0
 Field H2S (Grains): 18.88

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9954010
 Z Factor (Act.): 0.9954009

Dry BTU (Real): 1346.12
Sat. BTU (Real): 1323.12
H2O (# / mmcf):
As Del. BTU (Real):

Sp. Gravity (Real): 0.8384
 Field Gravity:
 Lab Gravitometer:

GPM Ethane+ (Real): 7.784
GPM Propane+ (Real): 4.156
GPM IC5+ (Real): 1.181

GPA 2145 / 2172

Fld. Remarks: API - 3002544024

Lab Remarks:

<u>Facility Name</u>	<u>Date of Incident</u>	<u>MCF Volume</u>
Lea Unit South CTB	4/10/2024	250
Lea Unit South CTB	4/11/2024	2987
Lea Unit South CTB	4/12/2024	3167
Lea Unit South CTB	4/13/2024	3487
Lea Unit South CTB	4/14/2024	3378
Lea Unit South CTB	4/15/2024	2982
Lea Unit South CTB	4/16/2024	1590
Lea Unit South CTB	4/17/2024	3895
Lea Unit South CTB	4/18/2024	3031
Lea Unit South CTB	4/19/2024	1050
Lea Unit South CTB	5/7/2024	3578
Lea Unit South CTB	5/8/2024	3434
Lea Unit South CTB	5/9/2024	2989
Lea Unit South CTB	5/10/2024	2879
Lea Unit South CTB	5/11/2024	2664
Lea Unit South CTB	5/12/2024	2445
Lea Unit South CTB	5/31/2024	120
Lea Unit South CTB	6/11/2024	2000
Lea Unit South CTB	6/12/2024	580
Lea Unit South CTB	6/13/2024	3780
Lea Unit South CTB	6/14/2024	3480
Lea Unit South CTB	6/15/2024	3104
Lea Unit South CTB	6/16/2024	2894
Lea Unit South CTB	6/17/2024	2882
Lea Unit South CTB	6/19/2024	1134
Lea Unit South CTB	7/4/2024	135
Lea Unit South CTB	7/5/2024	192
Lea Unit South CTB	7/23/2024	573
Lea Unit South CTB	8/13/2024	1673
Lea Unit South CTB	8/14/2024	492
Lea Unit South CTB	8/16/2024	937
Lea Unit South CTB	9/6/2024	1457
Lea Unit South CTB	9/7/2024	3500
Lea Unit South CTB	9/8/2024	3490
Lea Unit South CTB	9/9/2024	2177
Lea Unit South CTB	9/10/2024	2233

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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 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

DEFINITIONS

Action 385071

DEFINITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 385071
	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 385071

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	Action Number: 385071
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<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	[fAPP2124653228] LEA UNIT SOUTH

Determination of Reporting Requirements	
<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	No
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, major 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

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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	68
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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, Page 2

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QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/13/2024
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:00 PM
Cumulative hours during this event	12

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: 1,673 Mcf Recovered: 0 Mcf Lost: 1,673 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	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

<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 complete 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

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	Action Number: 385071
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CONDITIONS

Created By	Condition	Condition Date
eag	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.	9/19/2024