


**ARMSTRONG GAS LABS, INC.**

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

**GAS ANALYSIS REPORT**

Analysis No.: 353000  
Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	<u>Producer:</u> <u>Well / Sta. Name:</u> <u>Sta. No.:</u> <u>Formation:</u> <u>Field:</u> <u>County:</u> <u>API Number:</u>  <u>Spot / Composite:</u> <u>Date / Time On:</u> <u>Date / Time Off:</u> <u>Date to Lab:</u> <u>Date Analyzed:</u> <u>Effective Date:</u>  <u>Sample Press. (PSIG):</u> <u>Line Press. (PSIG):</u> <u>Sample Temp. (F):</u> <u>Fl. Gas Temp. (F):</u> <u>Amb. Temp. (F):</u>  <u>Del. To:</u> <u>Sampled By:</u> <u>Cylinder No.:</u>
Nitrogen	4.6575	0.000	0.045		Permian Resources ROBIN FED COM 402H    New Mexico   3002552633  SP  08/28/25 08/28/25 09/04/25  139 139 113 113 95  RO AGL-214
Methane	67.6370	680.995	0.375		
CO2	7.4800	0.000	0.114		
Ethane	10.1111	178.376	0.105	2.699	
H2S	0.0600	0.000	0.001		
Propane	5.6877	142.660	0.087	1.564	
Iso-Butane	0.6715	21.768	0.013	0.219	
Butane	1.8262	59.390	0.037	0.575	
Iso-Pentane	0.4682	18.674	0.012	0.171	
Pentane	0.5081	20.304	0.013	0.184	
Hexanes C6+	0.8927	45.645	0.029	0.389	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1167.813	0.829	5.801	

**Field H2O (#/mm):**

Field H2S (PPM): 600.0  
Field H2S (Grains): 37.76

**Pressure Base: 14.65**  
**Temp. Base: 60**

Z Factor (Dry): 0.9960558  
Z Factor (Act.): 0.9960558

Dry BTU w/ H2S: 1172.82  
Sat BTU w/ H2S: 1152.75  
As Del. BTU w/ H2S: 1172.82

**Dry BTU W/O H2S (Real): 1172.44**  
**Sat. BTU W/O H2S (Real): 1152.38**  
**H2O (# / mmcf): 0.0**  
**AS DEL. BTU W/O H2S (Real): 1172.44**  
*BTU Calc: Dry*  
**Sp. Gravity (Real): 0.8317**  
Field Gravity:  
Lab Gravitometer:

**GPM Ethane+ (Real): 5.801**  
**GPM Propane+ (Real): 3.102**  
**GPM IC5+ (Real): 0.744**

GPA 2145 / 2172

**Fld. Remarks:**

Lab Remarks: CP @ LAB 112 PSIG

Volumes associated with this C-129 filing are estimations and may be subject to change as data is reconciled. The operator's current practice consists of metering volumes and report in accordance with NMAC 19.15.27.

For inquiries regarding this filing, please contact the operator.

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

Action 508696

DEFINITIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 508696
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <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 508696

**QUESTIONS**

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	Action Number: 508696
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**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 ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fAPP2123833561] OUTLAND STATE UNIT 11-2 BATTERY
<i>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.</i>	

<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	No
Is this considered a submission for a vent or flare event	N/A, not enough information to determine severity: • not "at least 50 MCF"; • not "the release of any liquids"; • and less than minor venting and/or flaring of natural gas volumes reported.
<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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	No
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

<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	65
Nitrogen (N2) percentage, if greater than one percent	5
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	7
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	0
Nitrogen (N2) percentage quality requirement	0
Hydrogen Sulfide (H2S) PPM quality requirement	0
Carbon Dioxide (CO2) percentage quality requirement	0

Oxygen (O2) percentage quality requirement	0
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Action 508696

**QUESTIONS (continued)**

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**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/17/2025
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: Midstream Emergency Maintenance   Pipeline (Any)   Natural Gas Flared   Released: 0 Mcf   Recovered: 0 Mcf   Lost: 0 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)	More info needed to determine if this will be treated as 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	12:00 AM

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	Delek outland downtime
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 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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<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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CONDITIONS

Created By	Condition	Condition Date
jdoolingpr	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.	9/24/2025