



## ARMSTRONG GAS LABS, INC.

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

## GAS ANALYSIS REPORT

Analysis No.: 440013  
 Customer: Centennial

Component	Mol. %	(Ideal) BTU	(Ideal) SG	(Real) GPM	Producer: Centennial
Nitrogen	3.1351	0.000	0.030		Well / Sta. Name: Duck Hunt 1 State Com 301H
Methane	74.9686	754.813	0.415		Sta. No.: 3765
CO2	5.7707	0.000	0.088		Formation:
Ethane	9.0498	159.653	0.094	2.415	Field: New Mexico
H2S	0.0500	0.000	0.001		County:
Propane	4.3689	109.582	0.067	1.201	API Number: 3002545562
Iso-Butane	0.5194	16.837	0.010	0.170	Spot / Composite: SP
Butane	1.1858	38.563	0.024	0.373	Date / Time On:
Iso-Pentane	0.2898	11.558	0.007	0.106	Date / Time Off: 12/30/23
Pentane	0.2650	10.590	0.007	0.096	Date to Lab: 01/03/24
Hexanes C6+	0.3969	20.294	0.013	0.173	Date Analyzed: 01/04/24
Hydrogen	N/A				Effective Date:
Helium	N/A				Sample Press. (PSIG): 177
Oxygen	N/A				Line Press. (PSIG): 177
CO	N/A				Sample Temp. (F): 73
Totals	100.0000	1121.891	0.755	4.534	Fl. Gas Temp. (F): 73
					Amb. Temp. (F): 63
					Del. To:
					Sampled By: NH
					Cylinder No.: 660

## Field H2O (#/mm):

Field H2S (PPM): 500.0

Field H2S (Grains): 31.47

Pressure Base: 14.65

Temp. Base: 60

Z Factor (Dry): 0.9966602

Z Factor (Act.): 0.9966602

Dry BTU w/ H2S: 1125.97

Sat BTU w/ H2S: 1106.68

As Del. BTU w/ H2S: 1125.97

GPA 2145 / 2172

Dry BTU W/O H2S (Real): 1125.65

Sat. BTU W/O H2S (Real): 1106.37

H2O (# / mmcf): 0.0

AS DEL. BTU W/O H2S (Real): 1125.65

BTU Calc: Dry

Sp. Gravity (Real): 0.7574

Field Gravity:

Lab Gravimeter:

GPM Ethane+ (Real): 4.534

GPM Propane+ (Real): 2.119

GPM IC5+ (Real): 0.375

Fld. Remarks:

Lab Remarks:

# PERMIAN

RESOURCES

Permian Resources meters all flared volumes, and volumes reported on C-129's in connection with flaring events are based on the available meter readings. While Permian Resources reports metered volumes on C-129 submissions, PR reviews the metered data for accuracy, reconciles any discovered discrepancies, and, where appropriate, submits amended C-129 reported volumes post-reconciliation to ensure accurate reporting.

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 531705

**DEFINITIONS**

Operator:	OGRID: 372165
Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	Action Number: 531705
	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 531705

**QUESTIONS**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165 Action Number: 531705 Action Type: [C-129] Venting and/or Flaring (C-129)
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**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	[FAPP2220947080] Duck Hunt 1 CTB 1

**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	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, 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 within 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	75
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	6
Oxygen (O2) 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	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

Action 531705

**QUESTIONS (continued)**

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	Action Number:  531705
	Action Type:  [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Date(s) and Time(s)</b>	
Date vent or flare was discovered or commenced	11/20/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	09:00 PM
Cumulative hours during this event	21

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	Cause: Pipeline Quality Specifications   Tank (Any)   Natural Gas Flared   Released: 88 Mcf   Recovered: 0 Mcf   Lost: 88 Mcf.
Other Released Details	<i>Not answered.</i>
Additional details for Measured or Estimated Volume(s). Please specify	<i>Not answered.</i>
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.

<b>Venting or Flaring Resulting from Downstream Activity</b>	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	<i>Not answered.</i>
Downstream OGRID that should have notified this operator	<i>Not answered.</i>
Date notified of downstream activity requiring this vent or flare	<i>Not answered.</i>
Time notified of downstream activity requiring this vent or flare	<i>Not answered.</i>

<b>Steps and Actions to Prevent Waste</b>	
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	Purging O2 from tanks
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

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	Action Number: 531705
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**CONDITIONS**

Created By	Condition	Condition Date
jdoolingpr	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.	12/4/2025