

Certificate of Analysis

Number: 6030-25090656-004A

Artesia Laboratory 200 E Main St. Artesia, NM 88210 Phone 575-746-3481

09/17/2025

Paul Martinez Earthstone

801 Cherry St, Suite 1200 Fort Worth, TX 76102

English Buffalo Fed Com 122H -- METER RUN Report Date: Station Name: Station Number:

89410214 Sampled By: Francisco Romero

Sample Point: METER RUN Sample Of: Gas Type of Sample: Spot-Cylinder Sample Type: Spot

Heat Trace Used: N/A Sample Conditions: 107 psig, @ 107 °F Ambient: 90 °F

Sampling Method: Fill and Purge Sample Date: 09/10/2025 10:30 Sampling Company: SPL Received Date: 09/11/2025 Method: GPA-2261M Login Date: 09/11/2025 Cylinder No: Effective Date: 1111-005505 09/01/2025

Instrument: 6030_GC6 (Inficon GC-3000 Micro) Flow Rate: 416.250 MSCFD

09/08/2025 08:16:34 Sampling Method: Purge/Fill Last Inst. Cal.: 09/12/2025 12:14:11 by CDW Heating Method: N/A Analyzed:

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.000	0.000		GPM TOTAL C2+	8.156
Nitrogen	4.405	4.341	5.131		GPM TOTAL C3+	4.110
Methane	67.744	66.753	45.189		GPM TOTAL iC5+	0.716
Carbon Dioxide	0.304	0.300	0.557			
Ethane	15.290	15.067	19.117	4.046		
Propane	8.473	8.349	15.535	2.310		
lso-butane	1.050	1.035	2.538	0.340		
n-Butane	2.384	2.349	5.761	0.744		
Iso-pentane	0.568	0.560	1.705	0.206		
n-Pentane	0.495	0.488	1.486	0.178		
Hexanes Plus	0.769	0.758	2.981	0.332		
	101.482	100.000	100.000	8.156		
Calculated Physical P	Properties	Total		C6+		
Relative Density Real Gas Calculated Molecular Weight		0.8216		3.2176		
		23.70		93.19		
Compressibility Factor		0.9956				
GPA 2172 Calculation	1 :					
Calculated Gross BTU per ft ³ @ 14.73 psia & 60°F						
Real Gas Dry BTU	•	1351		5141		
Water Sat. Gas Base B	BTU	1328		5052		

Comments: H2S Field Content: 0 %

Petroleum Chemist

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality Quality Assurance:

assurance, unless otherwise stated. The test results apply to the sample as received.



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.

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 525577

DEFINITIONS

Operator:	OGRID:
Earthstone Operating, LLC	331165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	525577
	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 525577

Ql	UESTIONS	
Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701		OGRID: 331165 Action Number: 525577 Action Type: [C-129] Venting and/or Flaring (C-129)
QUESTIONS		, , ,
Prerequisites		
Any messages presented in this section, will prevent submission of this application. Please resolve t	these issues before continuing wit	th the rest of the questions.
Incident Well	Unavailable.	
Incident Facility	[fAPP2509027825] MERCUF	RY/ENGLISH BUFFALO 26-35 FED COM HYBRID SATEL
Determination of Reporting Requirements		
Answer all questions that apply. The Reason(s) statements are calculated based on your answers an		
Was this vent or flare caused by an emergency or malfunction Did this vent or flare last eight hours or more cumulatively within any 24-hour	No Yes	
period from a single event		
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 ve	enting 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.	0.7	
Methane (CH4) percentage	67	
Nitrogen (N2) percentage, if greater than one percent	4	
Hydrogen Sulfide (H2S) PPM, rounded up	0	
Carbon Dioxide (C02) percentage, if greater than one percent	0	
Oxygen (02) percentage, if greater than one percent	0	
If you are venting and/or flaring because of Pipeline Specification, please provide the required speci	ifications for each gas.	
Methane (CH4) percentage quality requirement	Not answered.	
Nitrogen (N2) percentage quality requirement	Not answered.	
Hydrogen Sufide (H2S) PPM quality requirement	Not answered.	
Carbon Dioxide (C02) percentage quality requirement	Not answered.	

Not answered.

Oxygen (02) percentage quality requirement

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

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QUESTIONS, Page 2

Action 525577

QUESTI	ONS (continued)
Operator:	OGRID:
Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000	331165 Action Number:
Midland, TX 79701	525577
	Action Type: [C-129] Venting and/or Flaring (C-129)
QUESTIONS	[0-123] Volume and or Framing (0-123)
Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/01/2025
Time vent or flare was discovered or commenced Time vent or flare was terminated	12:00 AM
	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: Equipment Failure Tank (Any) Natural Gas Flared Released: 58 Mcf Recovered: 0 Mcf Lost: 58 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	Ma
Was notification of downstream activity received by this operator	No Not an annual design of the second
Downstream OGRID that should have notified this operator	Not answered. 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.
Time realised of demindrealing activity requiring time vent or hare	THE BISWEIGE.
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	VRU 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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	[C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

V	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.
V	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.
V	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.
V	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.
V	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 Type:
	[C-129] Venting and/or Flaring (C-129)

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.	11/11/2025