

Station Name:

Station Number:

Station Location:

Certificate of Analysis

Number: 6030-21120249-004A

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

Paul Martinez Chisholm Energy 801 Cherry St, Suite 1200 Fort Worth, TX 76102

> Cottonwood 29-32 3H Sampled By: Michael Mirabal 29410104 Sample Of: Gas Spot Chisholm Sample Date: 12/21/2021 02:20

Sample Point: Meter run Sample Conditions: 127 psig, @ 80 °F Ambient: 60 °F

12/21/2021 02:20 Type of Sample: Spot-Cylinder Effective Date: GPA-2261M Heat Trace Used: N/A Method:

Sampling Method: Fill and Purge Cylinder No: 5030-01270

Sampling Company: SPL Instrument: 6030_GC6 (Inficon GC-3000 Micro) Analyzed: 12/27/2021 10:47:34 by ERG

Last Inst. Cal.: 12/27/2021 0:00 AM

Dec. 27, 2021

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.00000	0.000		GPM TOTAL C2+	5.023
Nitrogen	0.710	0.71478	0.979		GPM TOTAL C3+	2.300
Methane	81.035	81.54612	63.987		GPM TOTAL iC5+	0.516
Carbon Dioxide	0.149	0.14964	0.322			
Ethane	10.086	10.14948	14.927	2.723		
Propane	4.089	4.11492	8.875	1.137		
Iso-butane	0.647	0.65129	1.852	0.214		
n-Butane	1.361	1.36959	3.894	0.433		
Iso-pentane	0.352	0.35432	1.250	0.130		
n-Pentane	0.402	0.40434	1.427	0.147		
Hexanes Plus	0.542	0.54552	2.487	0.239		
	99.373	100.00000	100.000	5.023		
Calculated Physical	Properties	Total		C6+		
	Relative Density Real Gas			3.2176		
Calculated Molecular		20.44	-	93.19		
Compressibility Factor	Compressibility Factor		;			
GPA 2172 Calculation	GPA 2172 Calculation:					
Calculated Gross B	ΓU per ft³ @ 14.73 ps	sia & 60°F				
Real Gas Dry BTU		1238	1	5141		
Water Sat. Gas Base	BTU	1217	•	5052		
Ideal, Gross HV - Dry	at 14.73 psia	1233.8	1	5141.1		
Ideal, Gross HV - Wet		1212.4		5051.6		
Comments: H2S Fi	Comments: H2S Field Content 0 ppm					

Comments: H2S Field Content 0 ppm

Mcf/day 1233

Hydrocarbon Laboratory Manager

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

assurance, unless otherwise stated.

Quality Assurance:

Calculations for the total Mcf flared
End Meter Volume – the Begin Meter Volume.

***Composition for the gas has been entered into the question portion of the C-129. If further back up is needed please let us know and will provide requested data.

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District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 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 173359

DEFINITIONS

Operator:		OGRID:
E	Earthstone Operating, LLC	331165
1	400 Woodloch Forest; Ste 300	Action Number:
Т	The Woodlands, TX 77380	173359
		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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 173359

Phone:(505) 476-3470 Fax:(505) 476-3462				
Q	UESTIONS			
Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380		OGRID:		
OUTCOTIONIC		[C-129] Venting and/or Flaring (C-129)		
QUESTIONS				
Prerequisites Any messages presented in this section, will prevent submission of this application. Please resolve	these issues hefore continuing wi	ith the rest of the questions		
		th the rest of the questions.		
Incident Well	Unavailable.	Unavailable.		
Incident Facility	[fAPP2204237163] COTTO	NWOOD 29-32 FED COM EAST PAD		
Determination of Reporting Requirements				
Answer all questions that apply. The Reason(s) statements are calculated based on your answers at Was this vent or flare caused by an emergency or malfunction	Yes	3.		
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 v	renting and/or flaring that is or ma	y 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			
<u></u>				
Equipment Involved				
Primary Equipment Involved	Not answered.			
Additional details for Equipment Involved. Please specify	Not answered.			
Description Comment of the American Street Annual Comments				
Representative Compositional Analysis of Vented or Flared Natural Gas				
Please provide the mole percent for the percentage questions in this group. Methane (CH4) percentage	82			
Nitrogen (N2) percentage, if greater than one percent	1			
Hydrogen Sulfide (H2S) PPM, rounded up	0			
Carbon Dioxide (C02) percentage, if greater than one percent	1			
Oxygen (02) percentage, if greater than one percent	0			
If you are venting and/or flaring because of Pipeline Specification, please provide the required spec				
Methane (CH4) percentage quality requirement	Not answered.			
Nitrogen (N2) percentage quality requirement	Not answered.			
Hydrogen Sufide (H2S) PPM quality requirement	Not answered. Not answered.			
Carbon Dioxide (C02) percentage quality requirement	Not answered.			

Not answered.

Oxygen (02) percentage quality requirement

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QUESTIONS, Page 2

Action 173359

QUESTIONS (CONTINUED)	QUESTIONS ((continued)	١
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Operator:	OGRID:
Earthstone Operating, LLC	331165
	Action Number:
The Woodlands, TX 77380	173359
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)		
Date vent or flare was discovered or commenced	12/29/2022	
Time vent or flare was discovered or commenced	12:00 AM	
Time vent or flare was terminated	11:59 PM	
Cumulative hours during this event	24	

Assessed to Federated Victoria of North day Flored North and Co.		
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 Producing Well Natural Gas Flared Released: 139 Mcf Recovered: 0 Mcf Lost: 139 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.	

teps 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	High line pressure due to compression issues at gas plant.	
Steps taken to limit the duration and magnitude of vent or flare	Standard PM. Worked with midstream to coordinate service time and minimize downtime.	
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	No way to avoid periodic downtime for maintenance / repairs to address unforeseen conditions.	

ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

Operator:	OGRID:
Earthstone Operating, LLC	331165
1400 Woodloch Forest; Ste 300	Action Number:
The Woodlands, TX 77380	173359
	Action Type:
	[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.
✓	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.
✓	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

Action 173359

CONDITIONS

Operator:	OGRID:
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	Action Type:
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CONDITIONS

Created By	Condition	Condition Date
gkirkland	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.	1/6/2023