

Station Name:

Sample Point:

Station Number:

Station Location:

Certificate of Analysis

Number: 6030-22010203-003A

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

Jade 34 Fed Com 2

29410029

Chisholm

Meter run

Sampled By: **Chad Witt** Sample Of: Gas Spot Sample Date: 01/24/2022

Sample Conditions: 15.0 psig, @ 56 °F Ambient: 46 °F

Jan. 26, 2022

01/24/2022 Type of Sample: Spot-Cylinder Effective Date: GPA-2261M Heat Trace Used: N/A Method: Sampling Method: Fill and Purge Cylinder No: 1111-003917

Sampling Company: SPL Instrument: 70142339 (Inficon GC-MicroFusion)

Analyzed: 01/26/2022 07:56:44 by ERG Last Inst. Cal.: 01/24/2022 0:00 AM

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.00000	0.000		GPM TOTAL C2+	4.733
Nitrogen	0.773	0.79034	1.072		GPM TOTAL C3+	2.287
Methane	80.608	82.39495	63.999		GPM TOTAL iC5+	0.865
Carbon Dioxide	0.677	0.69150	1.473			
Ethane	8.920	9.11787	13.274	2.446		
Propane	3.560	3.63872	7.769	1.006		
Iso-butane	0.488	0.49913	1.405	0.164		
n-Butane	0.781	0.79811	2.246	0.252		
Iso-pentane	0.302	0.30839	1.077	0.113		
n-Pentane	0.250	0.25564	0.893	0.093		
Hexanes Plus	1.473	1.50535	6.792	0.659		
	97.832	100.00000	100.000	4.733		
Calculated Physical I	Properties	Total		C6+		
Relative Density Real	Gas	0.7153	1	3.2176		
Calculated Molecular \		20.65	i	93.19		
Compressibility Factor	•	0.9965	i			
GPA 2172 Calculation:						
Calculated Gross BT	U per ft ³ @ 14.73 ps	sia & 60°F				
Real Gas Dry BTU		1234		5141		
Water Sat. Gas Base I	BTU	1213	1	5052		
Ideal, Gross HV - Dry at 14.73 psia		1230.0)	5141.1		
Ideal, Gross HV - Wet		1208.6	}	5051.6		
Comments: H2S Field Content 0 ppm						

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 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 173345

DEFINITIONS

Operator:	OGRID:
Earthstone Operating, LLC	331165
1400 Woodloch Forest; Ste 300	Action Number:
The Woodlands, TX 77380	173345
	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 173345

Pnone:(505) 476-3470 Fax:(505) 476-3462		
	UESTIONS	Loopin
Operator: Earthstone Operating, LLC		OGRID: 331165
1400 Woodloch Forest; Ste 300		Action Number:
The Woodlands, TX 77380		173345
		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	these issues before continuing wi	th the rest of the questions.
Incident Well	[30-025-50018] JADE 34 3	1BS FEDERAL COM #010H
Incident Facility	Unavailable.	
Determination of Panasting Pagetinements		
Determination of Reporting Requirements Answer all questions that apply. The Reason(s) statements are calculated based on your answers as	nd may provide addienal guidanes	
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	Yes	
Is this considered a submission for a vent or flare event	Yes, minor venting and/or	flaring of natural gas.
	<u> </u>	
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during v Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes	y be a major or minor release under 19.15.29.7 NMAC.
Did this vent or flare result in the release of ANY liquids (not fully and/or completely	165	
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	Gas Plant	
Additional details for Equipment Involved. Please specify	Compressors down at gas	s plant
Representative Compositional Analysis of Vented or Flared Natural Gas		
Please provide the mole percent for the percentage questions in this group.	1	
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	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

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QUESTIONS, Page 2

Action 173345

QUESTIONS	(continued)
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0	perator:	OGRID:
	Earthstone Operating, LLC	331165
	1400 Woodloch Forest; Ste 300	Action Number:
	The Woodlands, TX 77380	173345
		Action Type:
		[C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)		
Date vent or flare was discovered or commenced	12/28/2022	
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	

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 Gas Plant Natural Gas Flared Released: 67 Mcf Recovered: 0 Mcf Lost: 67 Mcf.	
Other Released Details	Not answered.	
Additional details for Measured or Estimated Volume(s). Please specify	Volumes metered at flare	
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	Yes	
Was notification of downstream activity received by this operator	No	
Downstream OGRID that should have notified this operator	[372603] 3BEAR FIELD SERVICES, LLC	
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	Equipment downtime emissions controlled by flare.	
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.	

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ACKNOWLEDGMENTS

Action 173345

ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

V	I acknowledge that I am authorized to submit a Venting and/or Flaring (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.
✓	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
kmcbride	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