



Certificate of Analysis

Number: 6030-22110246-003A

Artesia Laboratory

200 E Main St.
Artesia, NM 88210
Phone 575-746-3481Lee Weatherford
Steward Energy
2600 Dallas Pkwy Suite 400
Frisco, TX 75034

Nov. 21, 2022

Station Name: Combo Fee Sales Check

Station Number: 40420

Station Location: Steward Energy

Sample Point: Meter Run

Instrument: 6030_GC2 (Agilent GC-7890B)

Last Inst. Cal.: 11/10/2022 7:46 AM

Analyzed: 11/19/2022 14:45:43 by EBH

Sampled By: Hill

Sample Of: Gas Spot

Sample Date: 11/14/2022

Sample Conditions: 37.3 psig, @ 60.2 °F Ambient: 38 °F

Effective Date: 11/14/2022

Method: GPA 2286

Cylinder No: 5030-01799

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.58800	0.794		GPM TOTAL C2+	7.247
Nitrogen	6.142	6.10400	6.778		GPM TOTAL C3+	3.843
Methane	62.848	62.45600	39.720		GPM TOTAL iC5+	1.017
Carbon Dioxide	5.864	5.82700	10.166			
Ethane	12.753	12.67400	15.107	3.404		
Propane	6.648	6.60700	11.549	1.828		
Iso-butane	0.932	0.92600	2.134	0.305		
n-Butane	2.201	2.18700	5.039	0.693		
Iso-pentane	0.641	0.63700	1.822	0.234		
n-Pentane	0.647	0.64300	1.839	0.235		
Hexanes Plus	1.359	1.35100	5.052	0.548		
	100.035	100.00000	100.000	7.247		

Calculated Physical Properties

Relative Density Real Gas

Total

0.8744

C6+

3.2508

Calculated Molecular Weight

25.23

94.15

Compressibility Factor

0.9956

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU

1254

5021

Water Sat. Gas Base BTU

1232

4934

Ideal, Gross HV - Dry at 14.73 psia

1248.4

5021.0

Ideal, Gross HV - Wet

1226.6

0.000

Comments: H2S Field Content 5878.0 ppm

Hydrocarbon Laboratory Manager

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



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Nov. 21, 2022

Station Name: Combo Fee Sales Check
Station Number: 40420
Station Location: Steward Energy
Sample Point: Meter Run
Analyzed: 11/19/2022 14:43:15 by EBHSampled By: Hill
Sample Of: Gas Spot
Sample Date: 11/14/2022
Sample Conditions: 37.3 psig, @ 60.2 °F
Method: GPA 2286
Cylinder No: 5030-01799

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	0.588	0.794	
Nitrogen	6.104	6.778	
Methane	62.456	39.720	
Carbon Dioxide	5.827	10.166	
Ethane	12.674	15.107	3.404
Propane	6.607	11.549	1.828
Iso-Butane	0.926	2.134	0.305
n-Butane	2.187	5.039	0.693
Iso-Pentane	0.637	1.822	0.234
n-Pentane	0.643	1.839	0.235
i-Hexanes	0.302	1.007	0.121
n-Hexane	0.178	0.599	0.072
Benzene	0.144	0.446	0.040
Cyclohexane	0.071	0.239	0.024
i-Heptanes	0.221	0.821	0.090
n-Heptane	0.061	0.245	0.028
Toluene	0.075	0.273	0.025
i-Octanes	0.133	0.564	0.061
n-Octane	0.020	0.093	0.010
Ethylbenzene	0.024	0.103	0.009
Xylenes	0.021	0.082	0.008
i-Nonanes	0.040	0.182	0.019
n-Nonane	0.009	0.048	0.005
Decanes Plus	0.052	0.350	0.036
	100.000	100.000	7.247



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Nov. 21, 2022

Station Name: Combo Fee Sales Check
Station Number: 40420
Station Location: Steward Energy
Sample Point: Meter Run
Analyzed: 11/19/2022 14:43:15 by EBHSampled By: Hill
Sample Of: Gas Spot
Sample Date: 11/14/2022
Sample Conditions: 37.3 psig, @ 60.2 °F
Method: GPA 2286
Cylinder No: 5030-01799

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	25.23	157.01
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1253.9	8475.4
Water Sat. Gas Base BTU	1232.1	8291.1
Relative Density Real Gas	0.8744	5.4213
Compressibility Factor	0.9956	
Ideal, Gross HV - Wet	1226.6	
Ideal, Gross HV - Dry at 14.73 psia	1248.4	
Net BTU Dry Gas - real gas	1141	
Net BTU Wet Gas - real gas	1121	

Comments: H2S Field Content 5878.0 ppm

A handwritten signature in blue ink, likely belonging to the Hydrocarbon Laboratory Manager.

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

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 IV
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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 320046

DEFINITIONS

Operator: STEWARD ENERGY II, LLC 420 Throckmorton Fort Worth, TX 76102	OGRID: 371682
	Action Number: 320046
	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 320046

QUESTIONS

Operator: STEWARD ENERGY II, LLC 420 Throckmorton Fort Worth, TX 76102	OGRID: 371682
	Action Number: 320046
	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 with the rest of the questions.	
Incident Well	Unavailable.
Incident Facility	[fAPP2305740009] Combo Fee Tank Battery

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	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	Yes, major 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 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	Stakeholder lost NRU compression. Reduced flow to field.

Representative Compositional Analysis of Vented or Flared Natural Gas Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	62
Nitrogen (N2) percentage, if greater than one percent	6
Hydrogen Sulfide (H2S) PPM, rounded up	5,878
Carbon Dioxide (C02) 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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2
Action 320046

QUESTIONS (continued)

Operator: STEWARD ENERGY II, LLC 420 Throckmorton Fort Worth, TX 76102	OGRID: 371682
	Action Number: 320046
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/03/2024
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	02:35 AM
Cumulative hours during this event	3

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: 556 Mcf Recovered: 0 Mcf Lost: 556 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[371874] STAKEHOLDER GAS 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	All gas is connected to Stakeholder Midstream Gas Pipeline. Any flaring is due to an upset at their plant or within their gathering system.
Steps taken to limit the duration and magnitude of vent or flare	This is out of our control. Stakeholder attempts to rectify every situation as quickly as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Steward Energy aided Stakeholder in adding a second gas processing stream to help alleviate such issues. However, no accommodation can be made for unforeseen incidents such as this.

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ACKNOWLEDGMENTS

Action 320046

ACKNOWLEDGMENTS

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	Action Number: 320046
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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 320046

CONDITIONS

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	Action Number: 320046
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jquine	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.	3/4/2024