



# Certificate of Analysis

Number: 6030-22110246-003A

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

Lee Weatherford  
 Steward Energy  
 2600 Dallas Pkwy Suite 400  
 Frisco, TX 75034

Nov. 21, 2022

Station Name: Combo Fee Sales Check	Sampled By: Hill
Station Number: 40420	Sample Of: Gas Spot
Station Location: Steward Energy	Sample Date: 11/14/2022
Sample Point: Meter Run	Sample Conditions: 37.3 psig, @ 60.2 °F Ambient: 38 °F
Instrument: 6030_GC2 (Agilent GC-7890B)	Effective Date: 11/14/2022
Last Inst. Cal.: 11/10/2022 7:46 AM	Method: GPA 2286
Analyzed: 11/19/2022 14:45:43 by EBH	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	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.8744	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 EBH

Sampled 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
	<u>100.000</u>	<u>100.000</u>	<u>7.247</u>



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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 EBH

Sampled 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
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
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

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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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 345645

**DEFINITIONS**

Operator: STEWARD ENERGY II, LLC 420 Throckmorton Fort Worth, TX 76102	OGRID: 371682
	Action Number: 345645
	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 345645

**QUESTIONS**

Operator: STEWARD ENERGY II, LLC 420 Throckmorton Fort Worth, TX 76102	OGRID: 371682
	Action Number: 345645
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Unavailable.
Incident Facility	[fAPP2305740009] Combo Fee Tank Battery

<b>Determination of Reporting Requirements</b>	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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, minor venting and/or flaring of natural gas.
<i>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.</i>	
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

<b>Equipment Involved</b>	
Primary Equipment Involved	Gas Plant
Additional details for Equipment Involved. Please specify	Campo Viejo experienced the loss of both AGI compressors due to the storms this afternoon. With the loss of the AGI compressors the plant is currently down. Operations are currently working on the AGI compressors.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	62
Nitrogen (N2) percentage, if greater than one percent	6
Hydrogen Sulfide (H2S) PPM, rounded up	5,878
Carbon Dioxide (CO2) percentage, if greater than one percent	6
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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 345645

**QUESTIONS (continued)**

Operator: STEWARD ENERGY II, LLC 420 Throckmorton Fort Worth, TX 76102	OGRID: 371682
	Action Number: 345645
	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	05/17/2024
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	01:16 AM
Cumulative hours during this event	1

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Gas Plant   Natural Gas Flared   Released: 185 Mcf   Recovered: 0 Mcf   Lost: 185 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.

<b>Venting or Flaring Resulting from Downstream Activity</b>	
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.

<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	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 at the Campo Viejo Gas Processing Plant to help alleviate such issues. However, no accommodation can be made for unforeseen incidents such as this.





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ACKNOWLEDGMENTS

Action 345645

**ACKNOWLEDGMENTS**

Operator: STEWARD ENERGY II, LLC 420 Throckmorton Fort Worth, TX 76102	OGRID: 371682
	Action Number: 345645
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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

Action 345645

**CONDITIONS**

Operator: STEWARD ENERGY II, LLC 420 Throckmorton Fort Worth, TX 76102	OGRID: 371682
	Action Number: 345645
	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.	5/20/2024