Certificate of Analysis

Number: 6030-22030294-004A

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

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

Mar. 18, 2022

Station Name:	Combo Fee 2H	Sampled By:	Javier Lazo
Station Number:	57270170	Sample Of:	Gas Spot
Station Location:	Steward	Sample Date:	No sample date provided
Sample Point:	Meter run	Sample Conditions:	71 psig, @ 83 °F Ambient: 52 °F
Instrument:	6030_GC2 (Agilent GC-7890B)	Effective Date:	No sample date provided
Last Inst. Cal.:	03/07/2022 16:14 PM	Method:	GPA 2286
Analyzed:	03/18/2022 06:37:59 by KNF	Cylinder No:	5030-02226

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.000	10.03500	12.942		GPM TOTAL C2+	6.982
Nitrogen	3.982	3.64300	3.862		GPM TOTAL C3+	3.771
Methane	61.608	56.36400	34.215		GPM TOTAL iC5+	0.978
Carbon Dioxide	6.357	5.81600	9.686			
Ethane	13.090	11.97600	13.627	3.211		
Propane	7.220	6.60600	11.023	1.825		
Iso-butane	0.998	0.91300	2.008	0.300		
n-Butane	2.312	2.11500	4.652	0.668		
Iso-pentane	0.640	0.58600	1.600	0.215		
n-Pentane	0.612	0.56000	1.529	0.204		
Hexanes Plus	1.515	1.38600	4.856	0.559		
	98.334	100.00000	100.000	6.982		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9169	3.2105
Calculated Molecular Weight	26.43	92.98
Compressibility Factor	0.9949	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F		
Real Gas Dry BTU	1231	4947
Water Sat. Gas Base BTU	1209	4860
Ideal, Gross HV - Dry at 14.696 psia	1224.5	4946.6
Ideal, Gross HV - Wet	1203.1	0.000

Comments: H2S Field Content 10,0346 ppm
Mcf/day 528

Data reviewed by: Krystle Fitzwater, 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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Mar. 18, 2022

Station Name: Combo Fee 2H
Station Number: 57270170
Station Location: Steward
Sample Point: Meter run
Analyzed: 03/18/2022 06:54:43 by KNF

Sampled By: Javier Lazo
Sample Of: Gas Spot
Sample Date: No sample date provided
Sample Conditions: 71 psig, @ 83 °F
Method: GPA 2286
Cylinder No: 5030-02226

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia
Hydrogen Sulfide	10.035	12.942	
Nitrogen	3.643	3.862	
Methane	56.364	34.215	
Carbon Dioxide	5.816	9.686	
Ethane	11.976	13.627	3.211
Propane	6.606	11.023	1.825
Iso-Butane	0.913	2.008	0.300
n-Butane	2.115	4.652	0.668
Iso-Pentane	0.586	1.600	0.215
n-Pentane	0.560	1.529	0.204
i-Hexanes	0.312	0.996	0.125
n-Hexane	0.183	0.590	0.075
Benzene	0.153	0.452	0.043
Cyclohexane	0.074	0.236	0.025
i-Heptanes	0.232	0.813	0.094
n-Heptane	0.065	0.249	0.030
Toluene	0.078	0.272	0.026
i-Octanes	0.139	0.564	0.064
n-Octane	0.023	0.098	0.012
Ethylbenzene	0.026	0.102	0.010
Xylenes	0.017	0.075	0.007
i-Nonanes	0.042	0.181	0.021
n-Nonane	0.012	0.055	0.007
Decanes Plus	0.030	0.173	0.020
	100.000	100.000	6.982

Certificate of Analysis

Number: 6030-22030294-004A

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Mar. 18, 2022

Station Name:	Combo Fee 2H	Sampled By:	Javier Lazo
Station Number:	57270170	Sample Of:	Gas Spot
Station Location:	Steward	Sample Date:	No sample date provided
Sample Point:	Meter run	Sample Conditions:	71 psig, @ 83 °F
Analyzed:	03/18/2022 06:54:43 by KNF	Method:	GPA 2286
		Cylinder No:	5030-02226

Calculated Physical Properties	**Total**	**C10+**
Calculated Molecular Weight	26.43	150.19
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F		
Real Gas Dry BTU	1230.7	8065.8
Water Sat. Gas Base BTU	1209.3	7885.1
Relative Density Real Gas	0.9169	5.1855
Compressibility Factor	0.9949	
Ideal, Gross HV - Wet	1203.1	
Ideal, Gross HV - Dry at 14.696 psia	1224.5	
Net BTU Dry Gas - real gas	1121	
Net BTU Wet Gas - real gas	1102	

Comments: H2S Field Content 10,0346 ppm
Mcf/day 528

Data reviewed by: Krystle Fitzwater, Laboratory Manager

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

Date	Gas Flare	Gas Prod	Approx Hrs	Midstream (Stakeholder) Plant/Gathering Upset Documentation
3/1/2022	87	286.00	7.33	Loss of inlet compression causing loss of plant
3/2/2022	95	279.00	8.21	Loss of inlet compression causing loss of plant
3/3/2022	101	293.00	8.30	Loss of inlet compression causing loss of plant
3/4/2022	78	285.00	6.53	Loss of inlet compression causing loss of plant
3/5/2022	104	310.00	8.07	Loss of inlet compression causing loss of plant
3/6/2022	151	292.00	12.42	Loss of inlet compression causing loss of plant
3/7/2022	106	283.00	8.96	1/2 Compressor PM's
3/8/2022	98	289.00	8.16	1/2 Compressor PM's
3/9/2022	132	280.00	11.32	1/2 Compressor PM's
3/10/2022	110	278.00	9.45	1/2 Compressor PM's
3/11/2022	59	276.00	5.10	1/2 Compressor PM's
3/12/2022	28	272.00	2.49	1/2 Compressor PM's
3/13/2022	48	271.00	4.22	1/2 Compressor PM's
3/14/2022	62	281.00	5.30	Cornell down for for Targa Maintenance
3/15/2022	62	283.00	5.25	Cornell down for for Targa Maintenance
3/16/2022	61	284.00	5.17	Cornell down for for Targa Maintenance
3/17/2022	73	288.00	6.06	Cornell down for for Targa Maintenance
3/18/2022	62	276.00	5.39	Cornell down for for Targa Maintenance
3/19/2022	35	276.00	3.03	Cornell down for for Targa Maintenance
3/20/2022	39	278.00	3.39	Cornell down for for Targa Maintenance
3/21/2022	40	274.00	3.52	Cornell down for for Targa Maintenance
3/22/2022	36	283.00	3.03	Cornell down for for Targa Maintenance
3/23/2022	65	292.00	5.32	Cornell down for for Targa Maintenance
3/24/2022	76	287.00	6.31	Cornell down for for Targa Maintenance
3/25/2022	67	287.00	5.64	Cornell down for for Targa Maintenance
3/26/2022	71	299.00	5.72	Cornell down for for Targa Maintenance
3/27/2022	50	292.00	4.13	Cornell down for for Targa Maintenance
3/28/2022	29	306.00	2.29	Cornell down for for Targa Maintenance
3/29/2022	38	296.00	3.11	Cornell down for for Targa Maintenance
3/30/2022	35	284.00	2.93	Cornell down for for Targa Maintenance
3/31/2022	33	296.00	2.67	Cornell down for for Targa Maintenance
	2131	**8856**	**171.47**	

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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

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103157
	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 103157

QUESTIONS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103157
	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	**[30-025-48744] BABINEAUX FEE #002H**
Incident Facility	*Not answered.*

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional 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	Yes
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	Separator
Additional details for Equipment Involved. Please specify	All gas is connected to Stakeholder Midstream Gas Pipeline. Any flaring is from gas off the separator and sent to flare and is due to an upset at their plant or within their gathering system.

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	56
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	10
Carbon Dioxide (C02) percentage, if greater than one percent	6
Oxygen (02) 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 (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103157
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/01/2022
Time vent or flare was discovered or commenced	07:00 AM
Time vent or flare was terminated	07:00 PM
Cumulative hours during this event	171

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance | Separator | Natural Gas Flared | Released: 2,131 Mcf | Recovered: 0 Mcf | Lost: 2,131 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	Yes
Downstream OGRID that should have notified this operator	[329800] Stakeholder Gas Utility, LLC
Date notified of downstream activity requiring this vent or flare	03/01/2022
Time notified of downstream activity requiring this vent or flare	07:00 AM

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	Stakeholder is proceeding with the expansion of the Campo Viejo Gas Processing Plant. Steward Energy II has agreed to certain producer commitments in order to support this expansion expected to be completed April 2022.

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ACKNOWLEDGMENTS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103157
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	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.
☑	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 103157

CONDITIONS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103157
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
nwhite	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.	5/2/2022