



Certificate of Analysis

Number: 6030-21010242-001A

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

Feb. 01, 2021

Station Name: Combo Fee Battery

Station Number: 40420

Station Location: Steward

Sample Point: Meter Run

Instrument: 6030_GC2 (Agilent GC-7890B)

Last Inst. Cal.: 12/21/2020 14:27 PM

Analyzed: 02/01/2021 13:41:42 by PGS

Sampled By: Cameron Rivera

Sample Of: Gas Spot

Sample Date: 01/25/2021 10:00

Sample Conditions: 41.5 psig, @ 60 °F Ambient: 35 °F

Effective Date: 01/25/2021 10:00

Method: GPA 2286

Cylinder No: 5030-04514

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.000	1.10500	1.368		GPM TOTAL C2+	9.102
Nitrogen	6.427	6.27000	6.381		GPM TOTAL C3+	5.081
Methane	54.917	53.57700	31.228		GPM TOTAL iC5+	1.126
Carbon Dioxide	7.628	7.44200	11.899			
Ethane	15.369	14.99400	16.380	4.021		
Propane	9.404	9.17500	14.699	2.535		
Iso-butane	1.355	1.32200	2.792	0.434		
n-Butane	3.197	3.11900	6.586	0.986		
Iso-pentane	0.883	0.86100	2.257	0.316		
n-Pentane	0.861	0.84000	2.202	0.305		
Hexanes Plus	1.327	1.29500	4.208	0.505		
	101.368	100.0000	100.000	9.102		

Calculated Physical Properties

Relative Density Real Gas

Total

0.9548

C6+

3.0699

Calculated Molecular Weight

27.52

88.91

Compressibility Factor

0.9947

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU

1326

4738

Water Sat. Gas Base BTU

1303

4655

Ideal, Gross HV - Dry at 14.696 psia

1318.6

4737.8

Ideal, Gross HV - Wet

1295.6

0.000

Comments: H2S Field Content 11051 ppm
Mcf/day 302.7

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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Feb. 01, 2021

Station Name: Combo Fee Battery
Station Number: 40420
Station Location: Steward
Sample Point: Meter Run
Analyzed: 02/01/2021 13:42:51 by PGS

Sampled By: Cameron Rivera
Sample Of: Gas Spot
Sample Date: 01/25/2021 10:00
Sample Conditions: 41.5 psig, @ 60 °F
Method: GPA 2286
Cylinder No: 5030-04514

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia
Hydrogen Sulfide	1.105	1.368	
Nitrogen	6.270	6.381	
Methane	53.577	31.228	
Carbon Dioxide	7.442	11.899	
Ethane	14.994	16.380	4.021
Propane	9.175	14.699	2.535
Iso-Butane	1.322	2.792	0.434
n-Butane	3.119	6.586	0.986
Iso-Pentane	0.861	2.257	0.316
n-Pentane	0.840	2.202	0.305
i-Hexanes	0.366	1.118	0.146
n-Hexane	0.202	0.627	0.083
Benzene	0.169	0.478	0.047
Cyclohexane	0.075	0.229	0.026
i-Heptanes	0.224	0.758	0.091
n-Heptane	0.053	0.192	0.025
Toluene	0.065	0.216	0.022
i-Octanes	0.096	0.381	0.044
n-Octane	0.010	0.042	0.005
Ethylbenzene	0.012	0.047	0.004
Xylenes	0.006	0.027	0.003
i-Nonanes	0.015	0.069	0.008
n-Nonane	0.002	0.010	0.001
Decanes Plus	NIL	0.014	NIL
	100.000	100.000	9.102



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Feb. 01, 2021

Station Name: Combo Fee Battery
Station Number: 40420
Station Location: Steward
Sample Point: Meter Run
Analyzed: 02/01/2021 13:42:51 by PGS

Sampled By: Cameron Rivera
Sample Of: Gas Spot
Sample Date: 01/25/2021 10:00
Sample Conditions: 41.5 psig, @ 60 °F
Method: GPA 2286
Cylinder No: 5030-04514

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	27.52	NIL
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F		
Real Gas Dry BTU	1325.6	NIL
Water Sat. Gas Base BTU	1302.5	NIL
Relative Density Real Gas	0.9548	NIL
Compressibility Factor	0.9947	
Ideal, Gross HV - Wet	1295.6	NIL
Ideal, Gross HV - Dry at 14.696 psia	1318.6	NIL
Net BTU Dry Gas - real gas	1209	
Net BTU Wet Gas - real gas	1188	

Comments: H2S Field Content 11051 ppm
Mcf/day 302.7

Hydrocarbon Laboratory Manager

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

<u>Date</u>	<u>Gas Flare</u>	<u>Gas Prod</u>	<u>Approx Hrs</u>	<u>Midstream (Stakeholder) Plant/Gathering Upset Documentation</u>
3/1/2022	198	647.00	7.34	Loss of inlet compression causing loss of plant
3/2/2022	203	596.00	8.19	Loss of inlet compression causing loss of plant
3/3/2022	211	611.00	8.30	Loss of inlet compression causing loss of plant
3/4/2022	159	585.00	6.52	Loss of inlet compression causing loss of plant
3/5/2022	216	640.00	8.09	Loss of inlet compression causing loss of plant
3/6/2022	302	585.00	12.39	Loss of inlet compression causing loss of plant
3/7/2022	215	576.00	8.95	1/2 Compressor PM's
3/8/2022	195	574.00	8.14	1/2 Compressor PM's
3/9/2022	246	520.00	11.34	1/2 Compressor PM's
3/10/2022	184	468.00	9.46	1/2 Compressor PM's
3/11/2022	97	458.00	5.10	1/2 Compressor PM's
3/12/2022	50	482.00	2.48	1/2 Compressor PM's
3/13/2022	97	551.00	4.23	1/2 Compressor PM's
3/14/2022	114	517.00	5.30	Cornell down for for Targa Maintenance
3/15/2022	116	528.00	5.26	Cornell down for for Targa Maintenance
3/16/2022	117	542.00	5.16	Cornell down for for Targa Maintenance
3/17/2022	134	532.00	6.06	Cornell down for for Targa Maintenance
3/18/2022	107	477.00	5.39	Cornell down for for Targa Maintenance
3/19/2022	70	554.00	3.03	Cornell down for for Targa Maintenance
3/20/2022	76	541.00	3.38	Cornell down for for Targa Maintenance
3/21/2022	75	514.00	3.52	Cornell down for for Targa Maintenance
3/22/2022	60	478.00	3.03	Cornell down for for Targa Maintenance
3/23/2022	121	545.00	5.31	Cornell down for for Targa Maintenance
3/24/2022	120	457.00	6.31	Cornell down for for Targa Maintenance
3/25/2022	91	387.00	5.64	Cornell down for for Targa Maintenance
3/26/2022	89	375.00	5.71	Cornell down for for Targa Maintenance
3/27/2022	40	230.00	4.14	Cornell down for for Targa Maintenance
3/28/2022	44	461.00	2.29	Cornell down for for Targa Maintenance
3/29/2022	57	438.00	3.11	Cornell down for for Targa Maintenance
3/30/2022	53	430.00	2.93	Cornell down for for Targa Maintenance
3/31/2022	13	121.00	2.67	Cornell down for for Targa Maintenance
	3870	15420	171.43	

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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 103199

DEFINITIONS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103199
	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 103199

QUESTIONS

Operator: STEWART ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103199
	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	[30-025-48982] GUSTAVO FEE #005H
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 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	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 within 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 (CO2) 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 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 103199

QUESTIONS (continued)

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103199
	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: 3,870 Mcf Recovered: 0 Mcf Lost: 3,870 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

Action 103199

ACKNOWLEDGMENTS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103199
	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 complete 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 103199

CONDITIONS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 103199
	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