



Certificate of Analysis

Number: 6030-21050275-001A

Artesia Laboratory

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

May 28, 2021

Station Name: Broken Spoke Sales Check

Station Number: 146-2116

Station Location: Steward

Sample Point: Meter Run

Instrument: 6030_GC2 (Agilent GC-7890B)

Last Inst. Cal.: 05/18/2021 10:28 AM

Analyzed: 05/28/2021 07:42:07 by KNF

Sampled By: Cameron Rivera

Sample Of: Gas Spot

Sample Date: 05/25/2021 12:35

Sample Conditions: 57.6 psig, @ 90.4 °F Ambient: 90 °F

Effective Date: 05/25/2021 12:35

Method: GPA 2286

Cylinder No: 1111-002684

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	0.81200	1.182		GPM TOTAL C2+ 5.795
Nitrogen	4.816	4.81400	5.760		GPM TOTAL C3+ 2.820
Methane	68.993	68.96000	47.255		GPM TOTAL iC5+ 0.772
Carbon Dioxide	5.199	5.19700	9.769		
Ethane	11.116	11.11100	14.271	2.975	
Propane	4.889	4.88700	9.205	1.348	
Iso-butane	0.655	0.65500	1.626	0.215	
n-Butane	1.537	1.53600	3.813	0.485	
Iso-pentane	0.482	0.48200	1.485	0.176	
n-Pentane	0.489	0.48900	1.507	0.177	
Hexanes Plus	1.057	1.05700	4.127	0.419	
	99.233	100.00000	100.000	5.795	

Calculated Physical Properties

Relative Density Real Gas

Total

0.8110

C6+

3.1433

Calculated Molecular Weight

23.41

91.04

Compressibility Factor

0.9962

GPA 2172 Calculation:

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

Real Gas Dry BTU

1187

4848

Water Sat. Gas Base BTU

1167

4763

Ideal, Gross HV - Dry at 14.696 psia

1182.8

4847.6

Ideal, Gross HV - Wet

1162.2

0.000

Comments: H2S Field Content 8,119 ppm
Mcf/day 50.7

Report generated by: Krystle Fitzwater

Quality Assurance:

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



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May 28, 2021

Station Name: Broken Spoke Sales Check
Station Number: 146-2116
Station Location: Steward
Sample Point: Meter Run
Analyzed: 05/28/2021 08:48:12 by KNFSampled By: Cameron Rivera
Sample Of: Gas Spot
Sample Date: 05/25/2021 12:35
Sample Conditions: 57.6 psig, @ 90.4 °F
Method: GPA 2286
Cylinder No: 1111-002684

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia
Hydrogen Sulfide	0.812	1.182	
Nitrogen	4.814	5.760	
Methane	68.960	47.255	
Carbon Dioxide	5.197	9.769	
Ethane	11.111	14.271	2.975
Propane	4.887	9.205	1.348
Iso-Butane	0.655	1.626	0.215
n-Butane	1.536	3.813	0.485
Iso-Pentane	0.482	1.485	0.176
n-Pentane	0.489	1.507	0.177
i-Hexanes	0.274	0.983	0.109
n-Hexane	0.146	0.548	0.062
Benzene	0.127	0.422	0.035
Cyclohexane	0.060	0.217	0.020
i-Heptanes	0.181	0.713	0.073
n-Heptane	0.044	0.189	0.021
Toluene	0.057	0.225	0.019
i-Octanes	0.091	0.407	0.041
n-Octane	0.012	0.058	0.006
Ethylbenzene	0.014	0.066	0.006
Xylenes	0.011	0.044	0.004
i-Nonanes	0.020	0.107	0.010
n-Nonane	0.005	0.029	0.003
Decanes Plus	0.015	0.119	0.010
	100.000	100.000	5.795



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May 28, 2021

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Station Number: 146-2116
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Sample Point: Meter Run
Analyzed: 05/28/2021 08:48:12 by KNFSampled By: Cameron Rivera
Sample Of: Gas Spot
Sample Date: 05/25/2021 12:35
Sample Conditions: 57.6 psig, @ 90.4 °F
Method: GPA 2286
Cylinder No: 1111-002684

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	23.41	162.33
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F		
Real Gas Dry BTU	1187.4	8798.2
Water Sat. Gas Base BTU	1166.6	8611.6
Relative Density Real Gas	0.8110	5.6049
Compressibility Factor	0.9962	
Ideal, Gross HV - Wet	1162.2	
Ideal, Gross HV - Dry at 14.696 psia	1182.8	
Net BTU Dry Gas - real gas	1079	
Net BTU Wet Gas - real gas	1060	

Comments: H2S Field Content 8,119 ppm
Mcf/day 50.7

Report generated by: Krystle Fitzwater

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>
4/1/2022	123	218.20	13.57	Cornell down for Targa maintenance, Estimated 23 hrs down
4/2/2022	96	162.20	14.28	Cornell down for Targa maintenance, Estimated 23 hrs down
4/3/2022	86	135.42	15.29	Cornell down for Targa maintenance, Estimated 23 hrs down
4/4/2022	167	219.23	18.28	Cornell down for Targa maintenance, Estimated 23 hrs down
4/5/2022	130	168.10	18.57	Cornell down for Targa maintenance, Estimated 23 hrs down
4/6/2022	115	136.54	20.23	Cornell down for Targa maintenance, Estimated 23 hrs down
4/7/2022	138	172.01	19.30	Cornell down for Targa maintenance, Estimated 23 hrs down
4/8/2022	153	240.40	15.26	Cornell down for Targa maintenance, Estimated 23 hrs down
4/9/2022	210	236.55	21.33	Cornell down for Targa maintenance, Estimated 23 hrs down
4/10/2022	217	231.95	22.40	Cornell down for Targa maintenance, Estimated 23 hrs down
4/11/2022	213	231.91	22.03	Cornell down for Targa maintenance, Estimated 23 hrs down
4/12/2022	213	232.46	21.97	Cornell down due to Targa plant issues
4/13/2022	182	226.50	19.23	Cornell down due to Targa plant issues
4/14/2022	175	225.87	18.59	Cornell down due to Targa plant issues
4/15/2022	171	225.87	18.16	Cornell down due to Targa plant issues
4/16/2022	192	227.24	20.25	Cornell down due to Targa plant issues
4/17/2022	195	223.75	20.92	Cornell down due to Targa plant issues
4/18/2022	212	230.72	22.01	Cornell down due to Targa plant issues
4/19/2022	190	224.26	20.32	Start shutdown of Campo Viejo for Expansion Tie-ins
4/20/2022	223	231.06	23.14	Campo Viejo shutdown for Expansion Tie-ins
4/21/2022	225	226.00	23.85	Campo Viejo shutdown for Expansion Tie-ins
4/22/2022	204	232.62	21.08	Campo Viejo shutdown for Expansion Tie-ins
4/23/2022	233	233.24	24.00	Campo Viejo shutdown for Expansion Tie-ins
4/24/2022	219	219.31	24.00	Campo Viejo shutdown for Expansion Tie-ins
4/25/2022	219	218.68	24.00	Campo Viejo shutdown for Expansion Tie-ins
4/26/2022	218	217.98	24.00	Campo Viejo shutdown for Expansion Tie-ins
4/27/2022	219	218.91	24.00	Campo Viejo shutdown for Expansion Tie-ins
4/28/2022	202	217.06	22.35	Campo Viejo shutdown for Expansion Tie-ins
4/29/2022	171	219.08	18.71	Campo Viejo shutdown for Expansion Tie-ins
4/30/2022	158	218.48	17.30	Campo Viejo shutdown for Expansion Tie-ins
	5468	6422	594.87	

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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 113575

DEFINITIONS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 113575
	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 113575

QUESTIONS

Operator: STEWART ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 113575
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<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	[30-025-45530] BROKEN SPOKE STATE COM #005H
Incident Facility	Not answered.

Determination of Reporting Requirements	
<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	Yes
Is this considered a submission for a vent or flare event	Yes, major 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

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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	69
Nitrogen (N2) percentage, if greater than one percent	5
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	5
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 113575

QUESTIONS (continued)

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 113575
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/01/2022
Time vent or flare was discovered or commenced	07:00 AM
Time vent or flare was terminated	07:00 AM
Cumulative hours during this event	595

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: 5,468 Mcf Recovered: 0 Mcf Lost: 5,468 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	04/01/2022
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 113575

ACKNOWLEDGMENTS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 113575
	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 113575

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Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 113575
	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.	6/5/2022