



Certificate of Analysis

Number: 6030-21050275-002A

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

May 28, 2021

Station Name: Dog Bar Sales Check

Station Number: 146-2131

Station Location: Steward

Sample Point: Meter Run

Instrument: 6030_GC2 (Agilent GC-7890B)

Last Inst. Cal.: 05/18/2021 10:19 AM

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

Sampled By: Cameron Rivera

Sample Of: Gas Spot

Sample Date: 05/25/2021 01:00

Sample Conditions: 60.5 psig, @ 104.2 °F Ambient: 96 °F

Effective Date: 05/25/2021 01:00

Method: GPA 2286

Cylinder No: 5030-01289

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	1.02400	1.438		GPM TOTAL C2+ 6.634
Nitrogen	4.668	4.70400	5.430		GPM TOTAL C3+ 3.220
Methane	64.903	65.40000	43.231		GPM TOTAL iC5+ 0.820
Carbon Dioxide	5.627	5.67000	10.282		
Ethane	12.649	12.74600	15.792	3.414	
Propane	5.740	5.78400	10.509	1.596	
Iso-butane	0.757	0.76300	1.827	0.250	
n-Butane	1.740	1.75300	4.198	0.554	
Iso-pentane	0.514	0.51800	1.540	0.190	
n-Pentane	0.511	0.51500	1.531	0.187	
Hexanes Plus	1.114	1.12300	4.222	0.443	
	98.223	100.00000	100.000	6.634	

Calculated Physical Properties

Relative Density Real Gas

Total

0.8410

C6+

3.1420

Calculated Molecular Weight

24.27

91.00

Compressibility Factor

0.9958

GPA 2172 Calculation:

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

Real Gas Dry BTU

1221

4845

Water Sat. Gas Base BTU

1200

4760

Ideal, Gross HV - Dry at 14.696 psia

1215.9

4844.7

Ideal, Gross HV - Wet

1194.7

0.000

Comments: H2S Field Content 10,240 ppm
Mcf/day 67.1

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: Dog Bar Sales Check
Station Number: 146-2131
Station Location: Steward
Sample Point: Meter Run
Analyzed: 05/28/2021 09:47:18 by KNFSampled By: Cameron Rivera
Sample Of: Gas Spot
Sample Date: 05/25/2021 01:00
Sample Conditions: 60.5 psig, @ 104.2 °F
Method: GPA 2286
Cylinder No: 5030-01289

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia
Hydrogen Sulfide	1.024	1.438	
Nitrogen	4.704	5.430	
Methane	65.400	43.231	
Carbon Dioxide	5.670	10.282	
Ethane	12.746	15.792	3.414
Propane	5.784	10.509	1.596
Iso-Butane	0.763	1.827	0.250
n-Butane	1.753	4.198	0.554
Iso-Pentane	0.518	1.540	0.190
n-Pentane	0.515	1.531	0.187
i-Hexanes	0.289	1.004	0.115
n-Hexane	0.164	0.563	0.066
Benzene	0.136	0.439	0.038
Cyclohexane	0.063	0.218	0.021
i-Heptanes	0.189	0.726	0.077
n-Heptane	0.047	0.197	0.022
Toluene	0.059	0.225	0.020
i-Octanes	0.094	0.423	0.043
n-Octane	0.013	0.061	0.007
Ethylbenzene	0.016	0.071	0.006
Xylenes	0.011	0.047	0.004
i-Nonanes	0.022	0.110	0.011
n-Nonane	0.006	0.031	0.003
Decanes Plus	0.014	0.107	0.010
	100.000	100.000	6.634



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May 28, 2021

Station Name: Dog Bar Sales Check
Station Number: 146-2131
Station Location: Steward
Sample Point: Meter Run
Analyzed: 05/28/2021 09:47:18 by KNFSampled By: Cameron Rivera
Sample Of: Gas Spot
Sample Date: 05/25/2021 01:00
Sample Conditions: 60.5 psig, @ 104.2 °F
Method: GPA 2286
Cylinder No: 5030-01289

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	24.27	157.75
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F		
Real Gas Dry BTU	1221.0	8551.8
Water Sat. Gas Base BTU	1199.7	8367.7
Relative Density Real Gas	0.8410	5.4466
Compressibility Factor	0.9958	
Ideal, Gross HV - Wet	1194.7	
Ideal, Gross HV - Dry at 14.696 psia	1215.9	
Net BTU Dry Gas - real gas	1110	
Net BTU Wet Gas - real gas	1091	

Comments: H2S Field Content 10,240 ppm
Mcf/day 67.1

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>
5/1/2022	99	99.07	24.00	Campo Viejo back on-spec N2, Inlet C-1150 low speed issues
5/2/2022	118	117.93	24.00	Inlet C-1150 low speed issues (changed out Turbo) estimated 8hrs down
5/3/2022	112	111.93	24.00	Campo Viejo back to full capacity and working with producers to re-set flares
5/4/2022	60	59.50	24.00	Campo Viejo back to full capacity and working with producers to re-set flares
5/5/2022	85	85.38	24.00	Campo Viejo back to full capacity and working with producers to re-set flares
5/6/2022	60	59.61	24.00	NRU C-1506 Cylinder damage estimated down 13hrs
5/7/2022	58	58.16	24.00	NRU C-1506 Cylinder damage estimated down 13hrs
5/8/2022	66	65.95	24.00	Campo at full capacity, Cornel unit up and down throughout day
5/9/2022	47	46.63	24.00	Campo at full capacity, Cornel unit up and down throughout day
5/10/2022	34	33.62	24.00	Campo at full capacity, Cornel 1 unit running
5/11/2022	64	64.05	24.00	Campo at full capacity, Cornel 1 unit running
5/12/2022	73	72.83	24.00	Campo at full capacity, Cornel 1 unit running
5/13/2022	69	69.27	24.00	Campo at full Capacity except for heat of day (cut 4mmcf rate for ~6 hrs, Cornell 0 units running
5/14/2022	86	86.34	24.00	Campo at full Capacity except for heat of day (cut 4mmcf rate for ~6 hrs, Cornell 1 units running (started late evening
5/15/2022	59	59.41	24.00	C-1150 down with wiring issue ~10hrs, Cornell running 2 units
5/16/2022	55	54.85	24.00	Inlet C-1130 down on engine low speed for ~30 mins, Cornell Runing 2 units
5/17/2022	36	36.02	24.00	Campo Started reducing inlet rate due to Dehy Bed performance
5/18/2022	46	45.84	24.00	Campo partial reduced rate to regen Dehy Beds
5/19/2022	52	51.96	24.00	Campo partial reduced rate to regen Dehy Beds
5/20/2022	53	53.47	24.00	Campo partial reduced rate to regen Dehy Beds
5/21/2022	104	103.92	24.00	Campo partial reduced rate to regen Dehy Beds
5/22/2022	85	85.00	24.00	Campo partial reduced rate to regen Dehy Beds
5/23/2022	81	81.06	24.00	Campo partial reduced rate to regen Dehy Beds
5/24/2022	88	87.75	24.00	Campo partial reduced rate to regen Dehy Beds
5/25/2022	81	80.55	24.00	Campo down to reg Dehy Beds on residue gas
5/26/2022	73	73.41	24.00	Campo down to reg Dehy Beds on residue gas
5/27/2022	68	67.80	24.00	Campo down to reg Dehy Beds on residue gas
5/28/2022	37	37.00	24.00	Campo down to reg Dehy Beds on residue gas
5/29/2022	61	60.67	24.00	Campo down to reg Dehy Beds on residue gas
5/30/2022	1	0.51	24.00	Campo down to reg Dehy Beds on residue gas
5/31/2022	67	66.70	24.00	Campo down to reg Dehy Beds on residue gas
	2076	2076	720.00	

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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 122712

DEFINITIONS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 122712
	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 122712

QUESTIONS

Operator: STEWART ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 122712
	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	[30-025-42622] DOG BAR 11 FEE #003H
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	Additional details for primary - 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	65
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	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 122712

QUESTIONS (continued)

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 122712
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/01/2022
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	720

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: 2,076 Mcf Recovered: 0 Mcf Lost: 2,076 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	05/01/2022
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 122712

ACKNOWLEDGMENTS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 122712
	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 122712

CONDITIONS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 122712
	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.	7/5/2022