



Certificate of Analysis

Number: 6030-22060038-006A

Artesia Laboratory

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

June 07, 2022

Station Name: Combo Fee Sales Check
Station Number: 40420
Station Location: Steward Energy
Sample Point: Meter Run
Analyzed: 06/07/2022 07:14:42 by ERGSampled By: Cameron Rivera
Sample Of: Gas Spot
Sample Date: 05/30/2022 10:00
Sample Conditions: 82.7 psig, @ 106.3 °F
Method: GPA-2261M
Cylinder No: 5030-03638

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.640	0.873		GPM TOTAL C2+	7.280
Nitrogen	5.423	6.077		GPM TOTAL C3+	3.838
Methane	63.055	40.465		GPM TOTAL iC5+	0.914
Carbon Dioxide	5.734	10.095			
Ethane	12.816	15.416	3.442		
Propane	6.928	12.221	1.917		
Iso-Butane	0.934	2.172	0.307		
n-Butane	2.210	5.138	0.700		
Iso-Pentane	0.623	1.798	0.229		
n-Pentane	0.633	1.827	0.230		
Hexanes	0.461	1.589	0.190		
Heptanes Plus	0.543	2.329	0.265		
	100.000	100.000	7.280		

Calculated Physical Properties	Total	C7+
Relative Density Real Gas	0.8667	3.7019
Calculated Molecular Weight	25.00	107.22
Compressibility Factor	0.9955	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1257	5889
Water Sat. Gas Base BTU	1236	5787
Ideal, Gross HV - Dry at 14.73 psia	1251.5	5889.4
Ideal, Gross HV - Wet	1229.7	

Comments: H2S Field Content 6,400 ppm
Mcf/day 928.2

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>
6/1/2022	162	173.00	22.47	NRU issues from power outages resulting in reduced flow
6/2/2022	0	174.00	0.00	
6/3/2022	0	172.00	0.00	
6/4/2022	60	170.00	8.47	Power outage at Campo - Estimated downtime
6/5/2022	91	168.00	13.00	NRU issues from power outages resulting in reduced flow
6/6/2022	112	172.00	15.63	NRU issues from power outages resulting in reduced flow
6/7/2022	170	170.00	24.00	NRU issues from power outage resulting in full NRU warmup, reduce flow on off spec waiver to Kinder Morgan
6/8/2022	156	172.00	21.77	NRU issues from power outage resulting in full NRU warmup, reduce flow on off spec waiver to Kinder Morgan
6/9/2022	179	179.00	24.00	NRU issues from power outage resulting in full NRU warmup, reduce flow on off spec waiver to Kinder Morgan
6/10/2022	62	171.00	8.70	NRU issues from power outage resulting in full NRU warmup, reduce flow on off spec waiver to Kinder Morgan
6/11/2022	174	174.00	24.00	NRU issues from power outage resulting in full NRU warmup, reduce flow on off spec waiver to Kinder Morgan
6/12/2022	175	175.00	24.00	NRU issues from power outage resulting in full NRU warmup, reduce flow on off spec waiver to Kinder Morgan
6/13/2022	174	174.00	24.00	NRU issues from power outage resulting in full NRU warmup, reduce flow on off spec waiver to Kinder Morgan
6/14/2022	175	175.00	24.00	NRU warmup and cooldown complete and working plant volume back up
6/15/2022	176	176.00	24.00	Continued working plant volumes back up, Refridge compressor issues and loss of fan blade on NRU causing reduced flow for estimated 10hrs
6/16/2022	168	168.00	24.00	Refridgeration compressor and NRU issues, estimated reduced flow
6/17/2022	187	187.00	24.00	Cut back inlet flow due to H2S spiking on Dehy bed, estimated reduced flow
6/18/2022	172	176.00	23.45	Multiple compressors up and down a couple times
6/19/2022	174	174.00	24.00	Refridgeration compressor vibration issues, stayed lower rate until fixed 6/21
6/20/2022	172	172.00	24.00	Refridgeration compressor vibration issues, stayed lower rate until fixed 6/20
6/21/2022	174	174.00	24.00	Campo Viejo started ramping up volume with Expansion project
6/22/2022	173	173.00	24.00	Campo Viejo started ramping up volume with Expansion project
6/23/2022	92	173.00	12.76	Campo Viejo started ramping up volume with Expansion project
6/24/2022	136	174.00	18.76	Tulsa heaters was tuning existing HMO heater causin plant to go sour Est.
6/25/2022	140	173.00	19.42	Plant to full capacity, continued tuning to maximze volumes
6/26/2022	100	173.00	13.87	Plant to full capacity, continued tuning to maximze volumes
6/27/2022	0	173.00	0.00	
6/28/2022	0	173.00	0.00	
6/29/2022	0	175.00	0.00	
6/30/2022	0	174.00	0.00	
	3554	5207	490.31	

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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DEFINITIONS

Action 129764

DEFINITIONS

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 129764
	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 129764

QUESTIONS

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	Action Number: 129764
	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	[30-025-45933] SALAMANCA STATE #001H
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 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	63
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
<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 129764

QUESTIONS (continued)

Operator: STEWARD ENERGY II, LLC 2600 Dallas Parkway Frisco, TX 75034	OGRID: 371682
	Action Number: 129764
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/01/2022
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	490

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: 3,554 Mcf Recovered: 0 Mcf Lost: 3,554 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	06/01/2022
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 129764

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	Action Number: 129764
	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

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	Action Number: 129764
	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.	7/29/2022