Certificate of Analysis

Number: 6030-24110322-003A

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

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

Station Name:	Combo Fee Sales Check	Report Date:	11/18/2024
Station Number:	40420	Sampled By:	Chad Whitt
Station Location:	Steward Energy	Sample Of:	Gas
Sample Point:	Meter Run	Sample Type:	Spot
H2S:	H2S Determined by Tutwiler	Sample Date:	11/08/2024
Heating Method:		Sample Conditions:	38.4 psig, @ 50.8 °F Ambient: 43.0 °F
Method:	GPA 2286	Received Date:	11/13/2024
Cylinder No:	1111-002267	Login Date:	11/13/2024
Instrument:	6030_GC2 (Agilent GC-7890B)	Effective Date:	11/08/2024
Last Inst. Cal.:	10/29/2024 09:06:43	Flow Rate:	2832.8 MSCFD
Analyzed:	11/18/2024 07:50:22 by EBH	Sampling Method:	

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.0000	0.6890	0.9690		GPM TOTAL C2+	6.530
Nitrogen	4.7970	4.8510	5.6110		GPM TOTAL C3+	3.109
Methane	64.5380	65.2630	43.2270		GPM TOTAL iC5+	0.702
Carbon Dioxide	6.2560	6.3260	11.4940			
Ethane	12.6000	12.7410	15.8170	3.421		
Propane	5.6950	5.7590	10.4850	1.593		
Iso-butane	0.7380	0.7460	1.7900	0.245		
n-Butane	1.7780	1.7980	4.3150	0.569		
Iso-pentane	0.4210	0.4260	1.2690	0.156		
n-Pentane	0.3860	0.3900	1.1620	0.142		
Hexanes Plus	1.0000	1.0110	3.8610	0.404		
	98.2090	100.0000	100.0000	6.530		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8392	3.1782
Calculated Molecular Weight	24.22	92.05
Compressibility Factor	0.9959	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1206.8	4913.9
Water Sat. Gas Base BTU	1185.8	4828.4
Ideal, Gross HV - Dry at 14.73 psia	1201.9	4913.9
Ideal, Gross HV - Wet	1180.9	0.000

Comments: H2S Field Content: 6892 ppm

Mostafa Ahmadi

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

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Station Name:	Combo Fee Sales Check	Report Date:	11/18/2024
Station Number:	40420	Sampled By:	Chad Whitt
Station Location:	Steward Energy	Sample Of:	Gas Spot
Sample Point:	Meter Run	Sample Date:	11/08/2024
H2S:	H2S Determined by Tutwiler	Sample Conditions:	38.4 psig, @ 50.8 °F
Instrument 1:	6030_GC1, HP7890 Signal 1	Received Date:	11/13/2024
Instrument 2:	6030_GC2, HP7890 Signal 1	Login Date:	11/13/2024
Analyzed:	11/18/2024 07:48:38 by EBH	Method:	GPA 2286
		Cylinder No:	1111-002267

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	0.689	0.969	
Nitrogen	4.851	5.611	
Methane	65.263	43.227	
Carbon Dioxide	6.326	11.494	
Ethane	12.741	15.817	3.421
Propane	5.759	10.485	1.593
Iso-Butane	0.746	1.790	0.245
n-Butane	1.798	4.315	0.569
Iso-Pentane	0.426	1.269	0.156
n-Pentane	0.390	1.162	0.142
i-Hexanes	0.244	0.849	0.097
n-Hexane	0.136	0.501	0.058
Benzene	0.113	0.366	0.032
Cyclohexane	0.056	0.194	0.019
i-Heptanes	0.171	0.661	0.069
n-Heptane	0.045	0.187	0.021
Toluene	0.051	0.195	0.017
i-Octanes	0.101	0.430	0.045
n-Octane	0.014	0.065	0.007
Ethylbenzene	0.017	0.073	0.007
Xylenes	0.014	0.058	0.005
i-Nonanes	0.024	0.124	0.012
n-Nonane	0.007	0.034	0.004
Decanes Plus	0.018	0.124	0.011
	100.000	100.000	6.530

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Station Name:	Combo Fee Sales Check	Report Date:	11/18/2024
Station Number:	40420	Sampled By:	Chad Whitt
Station Location:	Steward Energy	Sample Of:	Gas Spot
Sample Point:	Meter Run	Sample Date:	11/08/2024
H2S:	H2S Determined by Tutwiler	Sample Conditions:	38.4 psig, @ 50.8 °F
Instrument 1:	6030_GC1, HP7890 Signal 1	Received Date:	11/13/2024
Instrument 2:	6030_GC2, HP7890 Signal 1	Login Date:	11/13/2024
Analyzed:	11/18/2024 07:48:38 by EBH	Method:	GPA 2286
		Cylinder No:	1111-002267

Calculated Physical Properties	**Total**	**C10+**
Calculated Molecular Weight	24.22	157.61
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1206.8	8523.7
Water Sat. Gas Base BTU	1185.8	8341.1
Relative Density Real Gas	0.8392	5.4419
Compressibility Factor	0.9959	
Ideal, Gross HV - Wet	1180.9	
Ideal, Gross HV - Dry at 14.73 psia	1201.9	
Net BTU Dry Gas - real gas	1097	
Net BTU Wet Gas - real gas	1078	

Comments: H2S Field Content: 6892 ppm

Mostafa Ahmadi

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Calculations for the total Mcf flared
End Meter Volume – the Begin Meter Volume.

***Composition for the gas has been entered into the question portion of the C-129.
If further back up is needed please let us know and will provide requested data.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 588693
	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 588693

QUESTIONS

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 588693
	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	*Unavailable.*
Incident Facility	**[fAPP2305749660] HUELL TANK BATTERY**

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	No
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	**Yes, minor 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	*Not answered.*
Additional details for Equipment Involved. Please specify	*Not answered.*

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	6,892
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: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 588693
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/06/2026
Time vent or flare was discovered or commenced	07:00 AM
Time vent or flare was terminated	09:00 AM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure | Producing Well | Natural Gas Flared | Released: 65 Mcf | Recovered: 0 Mcf | Lost: 65 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	No
Downstream OGRID that should have notified this operator	[334178] Targa San Andres Gas Utility LLC
Date notified of downstream activity requiring this vent or flare	*Not answered.*
Time notified of downstream activity requiring this vent or flare	*Not answered.*

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	High line pressure from Plant
Steps taken to limit the duration and magnitude of vent or flare	Worked to get all gas back into plant as soon as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	No way to avoid periodic downtime for maintenance / repairs to address unforeseen conditions.

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ACKNOWLEDGMENTS

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 588693
	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

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 588693
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
nwhite01	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.	5/27/2026