



Certificate of Analysis

Number: 6030-24110322-003A

Artesia Laboratory

200 E Main St.
Artesia, NM 88210
Phone 575-746-3481Lee Weatherford
Steward Energy
2600 Dallas Pkwy Suite 400
Frisco, TX 75034Station Name: Combo Fee Sales Check
Station Number: 40420
Station Location: Steward Energy
Sample Point: Meter Run
H2S: H2S Determined by Tutwiler
Heating Method:
Method: GPA 2286
Cylinder No: 1111-002267
Instrument: 6030_GC2 (Agilent GC-7890B)
Last Inst. Cal.: 10/29/2024 09:06:43
Analyzed: 11/18/2024 07:50:22 by EBHReport Date: 11/18/2024
Sampled By: Chad Whitt
Sample Of: Gas
Sample Type: Spot
Sample Date: 11/08/2024
Sample Conditions: 38.4 psig, @ 50.8 °F Ambient: 43.0 °F
Received Date: 11/13/2024
Login Date: 11/13/2024
Effective Date: 11/08/2024
Flow Rate: 2832.8 MSCFD
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

Relative Density Real Gas	Total	C6+
	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

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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 Steward Energy
 2600 Dallas Pkwy Suite 400
 Frisco, TX 75034

 Station Name: Combo Fee Sales Check
 Station Number: 40420
 Station Location: Steward Energy
 Sample Point: Meter Run
 H2S: H2S Determined by Tutwiler
 Instrument 1: 6030_GC1, HP7890 Signal 1
 Instrument 2: 6030_GC2, HP7890 Signal 1
 Analyzed: 11/18/2024 07:48:38 by EBH

 Report Date: 11/18/2024
 Sampled By: Chad Whitt
 Sample Of: Gas Spot
 Sample Date: 11/08/2024
 Sample Conditions: 38.4 psig, @ 50.8 °F
 Received Date: 11/13/2024
 Login Date: 11/13/2024
 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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Analyzed: 11/18/2024 07:48:38 by EBHReport Date: 11/18/2024
Sampled By: Chad Whitt
Sample Of: Gas Spot
Sample Date: 11/08/2024
Sample Conditions: 38.4 psig, @ 50.8 °F
Received Date: 11/13/2024
Login Date: 11/13/2024
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

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

Action 618558

DEFINITIONS

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 618558
	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 618558

QUESTIONS

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 618558
	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	Unavailable.
Incident Facility	[fAPP2305740009] COMBO FEE TANK BATTERY

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	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.
<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	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

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	65
Nitrogen (N2) percentage, if greater than one percent	5
Hydrogen Sulfide (H2S) PPM, rounded up	6,892
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 618558

QUESTIONS (continued)

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 618558
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/14/2026
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: 200 Mcf Recovered: 0 Mcf Lost: 200 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

Action 618558

ACKNOWLEDGMENTS

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID:
	3053
	Action Number: 618558
	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 618558

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	Action Number: 618558
	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.	8/27/2026