



Certificate of Analysis

Number: 6030-24110322-001A

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: Dog Bar Battery	Report Date: 11/18/2024
Station Number: 146-2131	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: 28.5 psig, @ 50.6 °F Ambient: 41.0 °F
Method: GPA 2286	Received Date: 11/13/2024
Cylinder No: 5030-02975	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: 518.8 MSCFD
Analyzed: 11/18/2024 08:45:27 by EBH	Sampling Method:

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0000	1.3520	1.9100		GPM TOTAL C2+ 6.631
Nitrogen	4.1430	4.1810	4.8540		GPM TOTAL C3+ 3.097
Methane	64.8340	65.4270	43.4960		GPM TOTAL iC5+ 0.703
Carbon Dioxide	5.7050	5.7570	10.5000		
Ethane	13.0440	13.1630	16.4030	3.534	
Propane	5.7940	5.8470	10.6850	1.617	
Iso-butane	0.7240	0.7310	1.7610	0.241	
n-Butane	1.6800	1.6950	4.0830	0.536	
Iso-pentane	0.4530	0.4570	1.3660	0.167	
n-Pentane	0.4190	0.4230	1.2650	0.154	
Hexanes Plus	0.9580	0.9670	3.6770	0.382	
	97.7540	100.0000	100.0000	6.631	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8362	3.1546
Calculated Molecular Weight	24.13	91.36
Compressibility Factor	0.9959	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1218.6	4868.6
Water Sat. Gas Base BTU	1197.4	4783.9
Ideal, Gross HV - Dry at 14.73 psia	1213.6	4868.6
Ideal, Gross HV - Wet	1192.4	0.000

Comments: H2S Field Content: 13520 ppm

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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: Dog Bar Battery
 Station Number: 146-2131
 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 08:43:49 by EBH

Report Date: 11/18/2024
 Sampled By: Chad Whitt
 Sample Of: Gas Spot
 Sample Date: 11/08/2024
 Sample Conditions: 28.5 psig, @ 50.6 °F
 Received Date: 11/13/2024
 Login Date: 11/13/2024
 Method: GPA 2286
 Cylinder No: 5030-02975

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	1.352	1.910	
Nitrogen	4.181	4.854	
Methane	65.427	43.496	
Carbon Dioxide	5.757	10.500	
Ethane	13.163	16.403	3.534
Propane	5.847	10.685	1.617
Iso-Butane	0.731	1.761	0.241
n-Butane	1.695	4.083	0.536
Iso-Pentane	0.457	1.366	0.167
n-Pentane	0.423	1.265	0.154
i-Hexanes	0.233	0.815	0.093
n-Hexane	0.127	0.466	0.054
Benzene	0.117	0.383	0.033
Cyclohexane	0.055	0.193	0.019
i-Heptanes	0.165	0.629	0.066
n-Heptane	0.041	0.170	0.019
Toluene	0.054	0.206	0.018
i-Octanes	0.092	0.395	0.041
n-Octane	0.012	0.058	0.006
Ethylbenzene	0.018	0.077	0.007
Xylenes	0.012	0.051	0.005
i-Nonanes	0.023	0.114	0.011
n-Nonane	0.006	0.031	0.003
Decanes Plus	0.012	0.089	0.007
	<u>100.000</u>	<u>100.000</u>	<u>6.631</u>



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Station Number: 146-2131
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 08:43:49 by EBH

Report Date: 11/18/2024
Sampled By: Chad Whitt
Sample Of: Gas Spot
Sample Date: 11/08/2024
Sample Conditions: 28.5 psig, @ 50.6 °F
Received Date: 11/13/2024
Login Date: 11/13/2024
Method: GPA 2286
Cylinder No: 5030-02975

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	24.13	154.29
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1218.6	8357.4
Water Sat. Gas Base BTU	1197.4	8177.9
Relative Density Real Gas	0.8362	5.3270
Compressibility Factor	0.9959	
Ideal, Gross HV - Wet	1192.4	
Ideal, Gross HV - Dry at 14.73 psia	1213.6	
Net BTU Dry Gas - real gas	1108	
Net BTU Wet Gas - real gas	1089	

Comments: H2S Field Content: 13520 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 562629

DEFINITIONS

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 562629
	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 562629

QUESTIONS

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 562629
	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	[fAPP2305745823] DOG BAR 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	Yes
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	4
Hydrogen Sulfide (H2S) PPM, rounded up	13,520
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 562629

QUESTIONS (continued)

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 562629
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/09/2026
Time vent or flare was discovered or commenced	09:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	15

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure Producing Well Natural Gas Flared Released: 279 Mcf Recovered: 0 Mcf Lost: 279 Mcf.
Other Released Details	<i>Not answered.</i>
Additional details for Measured or Estimated Volume(s). Please specify	<i>Not answered.</i>
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	[24650] TARGA MIDSTREAM SERVICES LLC
Date notified of downstream activity requiring this vent or flare	03/09/2026
Time notified of downstream activity requiring this vent or flare	11:00 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	On March 9, 2026, Targa Resources Corp. notified us that they would be curtailing all gas intake to the Campo Viejo Gas Processing Plant due to an unplanned downstream interruption. As a result of this curtailment, gas takeaway capacity from our operations has been temporarily impacted. We are currently awaiting an official Force Majeure letter from Targa, as well as additional information regarding the anticipated duration of the interruption. We will provide further updates as they become available.
Steps taken to limit the duration and magnitude of vent or flare	Working with midstream to get gas back in to 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 562629

ACKNOWLEDGMENTS

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 562629
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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 562629

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	Action Number: 562629
	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.	3/12/2026