



# ANALYTICALreport

4/14/2026

<b>Customer:</b>	Burk Royalty Co., LTD.
<b>Location:</b>	Slippin Jimmy Battery
<b>Order:</b>	5467-11913
<b>Received:</b>	4/8/2026
<b>Primary Contact:</b>	Clayton Scott
<b>Description:</b>	Sample(s) of Gas From Production Separator For Hydrocarbon , OnsiteTest Analyses

## REPORT DISTRIBUTION:

Clayton Scott

## VERSION 1

All data reported in this Report is in compliance with the test method(s) performed as of the date noted above. The validity and integrity of this report will remain intact as long as it is accompanied by this page and reproduced in full. Any datafile (e.g. txt, csv, etc.) produced which is associated with the results in this report shall be considered for convenience only and does not supersede this report as the official test results. We reserve the right to return to you any unused samples received if we consider so necessary (e.g. samples identified as hazardous waste).

We appreciate you choosing Pantechs Laboratories. If you have any questions concerning this report, please feel free to contact us at any time.

Pantechs Laboratories, Inc. - Order: 5467-11913 - 4/8/2026 - Slippin Jimmy Battery - Sample(s) of Gas From Production Separator For Hydrocarbon , OnsiteTest Analyses

**COLLECTION LIST- 1**

FLUID	OPERATOR	LOCATION	SITE	SAMPLE POINT	DATE	TIME
Gas	Burk Royalty Co., LTD.	Slippin Jimmy Battery	Production Separator	Gas Leg of Separator	4/8/2026	7:02 AM

Pantechs Laboratories, Inc. - Order: 5467-11913 - 4/8/2026 - Slippin Jimmy Battery - Sample(s) of Gas From Production Separator For Hydrocarbon , Onsite Test Analyses



# ANALYSIS certificate

OPERATOR	Burk Royalty Co., LTD.	PRESS/TEMP	11 psig/72 F
LOCATION	Slippin Jimmy Battery	ATM TEMP	45 F
SITE	Production Separator	DATE/TIME	04/08/2026 7:02 AM
SAMPLE POINT	Gas Leg of Separator	COLLECTION BY	Mike McKinney
METER ID		SPOT/COMP	Spot
CONTAINER(S)	PL3505 , PL3617	BASE	14.650 psi/60 F

FRACTIONAL: GPA 2286-24	FORMULA	MOL%	WT%	GPM
HELIUM	He	0.0000	0.0000	
OXYGEN+ARGON	O2+Ar	0.0178	0.0211	
NITROGEN	N2	2.3749	2.4702	
CARBON DIOXIDE	CO2	7.2950	11.9203	1.231
HYDROGEN SULFIDE	H2S	1.1691	1.4794	0.156
METHANE	C1	56.5022	33.6550	9.576
ETHANE	C2	16.6277	18.5638	4.446
PROPANE	C3	9.1816	15.0325	2.529
I-BUTANE	iC4	1.2166	2.6255	0.398
N-BUTANE	nC4	2.8564	6.1642	0.895
I-PENTANE	iC5	0.8155	2.1846	0.298
N-PENTANE	nC5	0.8230	2.2047	0.298
NEO PENTANE (2,2 dimethylpropane)	C5H12	0.0000	0.0000	0.000
HEXANES PLUS	C6+	1.1202	3.6787	0.436
BENZENE	C6	0.1576	0.4571	
N-HEXANE	C6	0.2305	0.7375	
OTHER HEXANES	C6	0.2841	0.9090	
2,2,4-TRIMETHYLPENTANE	C7	0.0079	0.0288	
TOLUENE	C7	0.0362	0.1238	
OTHER HEPTANES	C7	0.3469	1.1799	
ETHYLBENZENE	C8	0.0042	0.0166	
M+P XYLENE	C8	0.0017	0.0067	
O XYLENE	C8	0.0004	0.0016	
OTHER OCTANES	C8	0.0378	0.1515	
NONANES	C9	0.0065	0.0310	
DECANES+	C10+	0.0064	0.0352	

<b>TOTALS:</b>		<b>100.0000</b>	<b>100.0000</b>	<b>20.2630</b>
HAP TOTAL:		0.4306	1.3433	
BTEX TOTAL:		0.2001	0.6058	
VOC TOTAL:		16.0133	31.8902	

<b>GAL/MSCF</b>	<b>ETHANE+</b>	9.298	<b>PROPANE+</b>	4.852	<b>BUTANES+</b>	2.323	<b>PENTANES+</b>	1.030
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PROPERTY	MOL WT	SP GRAVITY	BTU/CF GR	BTU/CF NET	Z FACTOR	WOBBE INDX
DRY	26.933	0.9346	1357.832	1237.833	0.9946	1404.537
H2O SAT	26.463	0.9148	1335.624	1216.781	0.9941	1396.436
C6+ ONLY	88.441	3.0537	4729.102			

Slippin Jimmy Battery:Production Separator:Gas Leg of Separator::4/8/2026

**HEXANES**+detail

COMPOUND	FORMULA	MOL%	WT%	GPM
benzene	C6H6	0.1576	0.4571	0.044
2-methylpentane	C6H14	0.0957	0.3062	0.040
2,2-dimethylbutane	C6H14	0.0000	0.0000	0.000
2,3-dimethylbutane+cyclopentane	C6H14	0.0000	0.0000	0.000
3-methylpentane	C6H14	0.1884	0.6028	0.076
n-hexane	C6H14	0.2305	0.7375	0.094
<b>C6 TOTAL</b>		<b>0.6722</b>	<b>2.1036</b>	<b>0.255</b>
cyclohexane	C6H12	0.0740	0.2312	0.025
methylcyclopentane	C6H12	0.1082	0.3381	0.038
toluene	C7H8	0.0362	0.1238	0.012
3-Ethylpentane	C7H14	0.0132	0.0481	0.005
trans-1,2-dimethylcyclopentane+2,2,4-trimethylpentane	C7H14	0.0079	0.0288	0.003
trans-1,3-dimethylcyclopentane	C7H14	0.0149	0.0543	0.006
1,1-dimethylcyclopentane+3-methylhexane	C7H16	0.0497	0.1849	0.023
2-methylhexane	C7H16	0.0334	0.1243	0.015
2,2-dimethylpentane	C7H16	0.0000	0.0000	0.000
2,3-dimethylpentane	C7H16	0.0156	0.0580	0.007
2,4-dimethylpentane	C7H16	0.0004	0.0015	0.000
3,3-dimethylpentane	C7H16	0.0014	0.0052	0.001
n-heptane	C7H16	0.0361	0.1343	0.017
other heptanes	C7Hx	0.0000	0.0000	0.000
<b>C7 TOTAL</b>		<b>0.3910</b>	<b>1.3325</b>	<b>0.153</b>
methylcyclohexane+1,1,3-trimethylcyclopentane+2,2-dimethylhexane	C7H14	0.0042	0.0153	0.002
ethylbenzene	C8H10	0.0042	0.0166	0.002
m-xylene+p-xylene	C8H10	0.0017	0.0067	0.001
o-xylene	C8H10	0.0004	0.0016	0.000
2-methylheptane+4-methylheptane	C8H18	0.0057	0.0242	0.003
2,2,3-trimethylpentane	C8H18	0.0023	0.0098	0.001
2,3,4-trimethylpentane	C8H18	0.0025	0.0106	0.001
2,5-dimethylhexane+2,4-dimethylhexane+ethylcyclopentane	C8H18	0.0107	0.0390	0.004
3-methylheptane	C8H18	0.0006	0.0025	0.000
3,3-dimethylhexane	C8H18	0.0016	0.0068	0.001
n-octane	C8H18	0.0046	0.0195	0.002
other octanes	C8Hx	0.0056	0.0238	0.003
<b>C8 TOTAL</b>		<b>0.0441</b>	<b>0.1764</b>	<b>0.020</b>
n-nonane	C9H20	0.0006	0.0029	0.000
other nonanes	C9Hx	0.0059	0.0281	0.003
<b>C9 TOTAL</b>		<b>0.0065</b>	<b>0.0310</b>	<b>0.004</b>
1,2,4-trimethylbenzene+tert-butylbenzene	C9H12	0.0004	0.0018	0.000
1,3,5-trimethylbenzene	C9H12	0.0009	0.0040	0.000
isopropylbenzene	C9H12	0.0001	0.0004	0.000
propylbenzene	C9H12	0.0008	0.0036	0.000
tert-butylcyclohexane	C10H20	0.0000	0.0000	0.000
n-decane	C10H22	0.0003	0.0016	0.000
other decanes	C10Hx	0.0006	0.0032	0.000
<b>C10 TOTAL</b>		<b>0.0031</b>	<b>0.0146</b>	<b>0.002</b>
<b>C11+ TOTAL</b>	<b>C11Hx+</b>	<b>0.0033</b>	<b>0.0206</b>	<b>0.002</b>

Groupings by GPA 2286-24

**ONSITE TESTING - STAIN TUBE**

METHOD	COMPOUND	MOL%	GRAINS/100 SCF	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	1.1691	742.39	11,804.0	556.7

**ANALYSIS METHODS AND DESCRIPTION**

ITEM	METHOD	FLUID	DESCRIPTION
NGEXTC11+	GPA 2286-24	Gas	Method for the Extended Analysis of Natural Gas and Similar Gaseous Mixtures by Temperature Program Gas Chromatography through C11+
OSST	GPA 2377-24	Gas	Test for Hydrogen Sulfide and Carbon Dioxide in Natural Gas Using Length of Stain Tubes

**SAMPLING METHODS AND DESCRIPTION**

FLUID	METHOD	DESCRIPTION
GAS	GPA 2166-22	Obtaining Natural Gas Samples for Analysis by Gas Chromatography
LIQUID	GPA 2174-20	Obtaining Liquid Hydrocarbons Samples For Analysis by Gas Chromatography

**CALCULATION METHODS AND DESCRIPTION**

METHOD	DESCRIPTION
GPA 2145-16	Table of Physical Properties for Hydrocarbons and Other Compounds of Interest to the Natural Gas and Natural Gas Liquids Industries
GPA 2172-25	Calculation of Gross Heating Value, Relative Density, Compressibility and Theoretical Hydrocarbon Liquid Content for Natural Gas Mixtures for Custody Transfer
ASTM 3588	Standard Practice for Calculating Heat Value, Compressibility Factor, and Relative Density of Gaseous Fuels

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\*\*\*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  
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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 589551

**DEFINITIONS**

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 589551
	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 589551

**QUESTIONS**

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 589551
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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	[fAPP2305751333] SLIPPIN JIMMY TANK BATTERY

<b>Determination of Reporting Requirements</b>	
<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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	57
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	11,804
Carbon Dioxide (CO2) percentage, if greater than one percent	7
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 589551

**QUESTIONS (continued)**

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	Action Number: 589551
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/20/2026
Time vent or flare was discovered or commenced	07:00 AM
Time vent or flare was terminated	08:00 AM
Cumulative hours during this event	1

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: 57 Mcf   Recovered: 0 Mcf   Lost: 57 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 589551

**ACKNOWLEDGMENTS**

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 589551
	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 <b>complete</b> 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 589551

**CONDITIONS**

Operator: BURK ROYALTY CO., LTD. P.O. Box 94903 Wichita Falls, TX 76308	OGRID: 3053
	Action Number: 589551
	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.	5/28/2026