



# Certificate of Analysis

Number: 6030-21060083-004A

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

Jerry Mathews  
 Spur Energy  
 1012 Marquez Place, Suite 106b  
 Santa Fe, NM 87505

June 09, 2021

Station Name:	Dorami CTB	Sampled By:	Donavan Miller
Station Number:	N/A	Sample Of:	Gas Spot
Station Location:	Spur	Sample Date:	06/07/2021 09:33
Sample Point:	Meter run	Sample Conditions:	46.8 psig, @ 109 °F Ambient: 81 °F
Type of Sample:	Spot-Cylinder	Effective Date:	06/07/2021 09:33
Heat Trace Used:	N/A	Method:	GPA-2261M
Sampling Method:	Fill and Purge	Cylinder No.:	1111-002600
Sampling Company:	SPL	Instrument:	70104124 (Inficon GC-MicroFusion)
Analyzed:	06/08/2021 13:05:55 by KNF	Last Inst. Cal.:	05/18/2021 0:00 AM

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia
Nitrogen	2.296	2.71551	3.188	
Carbon Dioxide	1.833	2.16808	3.998	
Methane	60.705	71.78982	48.261	
Ethane	10.663	12.60992	15.889	3.387
Propane	3.052	3.60920	6.669	0.999
Iso-Butane	0.889	1.05169	2.562	0.346
n-Butane	2.109	2.49353	6.073	0.790
Iso-Pentane	0.686	0.81103	2.452	0.298
n-Pentane	0.632	0.74753	2.260	0.272
Hexanes	0.518	0.61200	2.210	0.253
Heptanes	0.581	0.68745	2.887	0.319
Octanes	0.338	0.39913	1.911	0.205
Nonanes Plus	0.258	0.30511	1.640	0.172
	<u>84.560</u>	<u>100.00000</u>	<u>100.000</u>	<u>7.041</u>

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C9+</b>
Calculated Molecular Weight	23.86	128.26
Compressibility Factor	0.9954	
Relative Density Real Gas	0.8274	4.4283

**GPA 2172 Calculation:**

**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**

Real Gas Dry BTU	1339.5	7012.5
Water Sat. Gas Base BTU	1316.7	6890.4
Ideal, Gross HV - Dry at 14.73 psia	1333.3	7012.5
Ideal, Gross HV - Wet	1310.1	6890.4

Report generated by: Krystle Fitzwater

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Name of well or facility	Lat	Long	Daily Volume of Flared Natural Gas (MCF/D)	Commencement	Duration	Proposed Remedy
SHELBY 23 TANK BATTERY	32.636495	-104.449015	1495 MCF/D	2/24/2022	Continuous	ACO Requested
ROSS RANCH 09.13.14 BATTERY	32.636187	-104.47781	1036 MCF/D	2/24/2022	Continuous	ACO Requested
OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY	32.652839	-104.478905	773 MCF/D	2/24/2022	Continuous	ACO Requested
LAKWOOD FEDERAL COM NORTH BATTERY	32.625808	-104.469155	2677 MCF/D	2/24/2022	Continuous	ACO Requested
LAKWOOD FEDERAL COM SOUTH BATTERY	32.608649	-104.479201	1047 MCF/D	2/24/2022	Continuous	ACO Requested
DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY	32.614416	-104.478493	621 MCF/D	2/24/2022	Continuous	ACO Requested
HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY	32.610648	-104.472851	473 MCF/D	2/24/2022	Continuous	ACO Requested
ROSE SOUTH TANK BATTERY	32.67021	-104.42768	1322 MCF/D	2/24/2022	Continuous	Gas Rerouted

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 85015

**DEFINITIONS**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 85015
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**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 85015

**QUESTIONS**

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	Action Number: 85015
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**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 Operator	[328947] Spur Energy Partners LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Not answered.
Incident Facility	[fAPP2122833451] Dorami 33 Federal Com 2H.4H.9H Tank Battery
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

<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	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

<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	72
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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 (continued)**

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**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/24/2022
Time vent or flare was discovered or commenced	05:00 PM
Time vent or flare was terminated	05:00 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Pipeline Quality Specifications   Other (Specify)   Natural Gas Flared   Released: 621 Mcf   Recovered: 0 Mcf   Lost: 621 Mcf ]
Other Released Details	Cause:     Other (Specify)   Released: 0 (Unknown Released Amount)   Recovered: 0   Lost: 0 ]
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	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
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	3rd party take away refusal due to capacity restraints.
Steps taken to limit the duration and magnitude of vent or flare	Executed contract with midstream company to gather gas by 12/1/2021. Delays on approved ROWs have pushed the tie-in date to late March.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Executed contract with midstream company to gather gas by 12/1/2021. Delays on approved ROWs have pushed the tie-in date to late March.

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ACKNOWLEDGMENTS

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**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
<input checked="" type="checkbox"/>	I hereby certify the statements in this amending 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  
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**CONDITIONS**

Created By	Condition	Condition Date
schapman01	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	3/1/2022