



# 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	1358 MCF/D	9/2/2021	Continuous	ACO Requested
ROSS RANCH 09.13.14 BATTERY	32.636187	-104.47781	1396 MCF/D	9/2/2021	Continuous	ACO Requested
OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY	32.652839	-104.478905	1093 MCF/D	9/2/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM NORTH BATTERY	32.625808	-104.469155	2802 MCF/D	9/2/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM SOUTH BATTERY	32.608649	-104.479201	1321 MCF/D	9/2/2021	Continuous	ACO Requested
DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY	32.614416	-104.478493	881 MCF/D	9/2/2021	Continuous	ACO Requested
HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY	32.610648	-104.472851	641 MCF/D	9/2/2021	Continuous	ACO Requested
SHORTY 2 STATE COM TANK BATTERY	32.8653287	-103.9504986	1028 MCF/D	9/2/2021	Continuous	Gas Rerouted
NOOSE FEDERAL 5 TANK BATTERY	32.6101608	-104.455184	251 MCF/D	9/2/2021	Continuous	Gas Rerouted
CLYDESDALE 1 FEE 1H TANK BATTERY	32.6961899	-104.430336	178 MCF/D	9/2/2021	Continuous	Gas Rerouted

**District I**  
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Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 47913

**QUESTIONS**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 47913
	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	Not answered.
Incident Facility	[fAPP2122833451] Dorami 33 Federal Com 2H.4H.9H 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 or is this venting and/or flaring caused by an emergency or malfunction	No
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a venting and/or flaring 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 or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring 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 venting and/or flaring within an incorporated municipal boundary or withing 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.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	09/02/2021
Time venting and/or flaring was discovered or commenced	12:00 AM
Time venting and/or flaring was terminated	12:00 AM
Cumulative hours during this event	24

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.

Natural Gas Flared (Mcf) Details	Cause: Pipeline Quality Specifications   Other (Specify)   Natural Gas Flared   Released: 881 Mcf   Recovered: 0 Mcf   Lost: 881 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 or is this venting and/or flaring a result of downstream activity	Not answered.
Was notification of downstream activity received by you or your operator	Not answered.
Downstream OGRID that should have notified you or your operator	Not answered.
Date notified of downstream activity requiring this venting and/or flaring	Not answered.
Time notified of downstream activity requiring this venting and/or flaring	Not answered.

**Steps and Actions to Prevent Waste**

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	3rd party take away refusal due to capacity restraints.
Steps taken to limit the duration and magnitude of venting and/or flaring	Executed contract with midstream company to gather gas by 12/1/2021.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Executed contract with midstream company to gather gas by 12/1/2021.

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CONDITIONS  
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	Action Number: 47913
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
schapman01	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.	9/13/2021