



Certificate of Analysis

Number: 6030-21100228-007A

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

Oct. 26, 2021

Station Name: Live Oak 20H
 Station Number: N/A
 Station Location: Spur
 Sample Point: Casing
 Type of Sample: Spot-Cylinder
 Heat Trace Used: N/A
 Sampling Method: Fill and Purge
 Sampling Company: SPL
 Analyzed: 10/26/2021 10:30:06 by KNF

Sampled By: Nathan Payne
 Sample Of: Gas Spot
 Sample Date: 10/20/2021 01:30
 Sample Conditions: 357 psig Ambient: 82 °F
 Effective Date: 10/20/2021 01:30
 Method: GPA-2261M
 Cylinder No: 1111-001290
 Instrument: 6030_GC2 (Agilent GC-7890B)
 Last Inst. Cal.: 09/13/2021 15:05 PM

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.10000	0.170		GPM TOTAL C2+	4.212
Nitrogen	2.493	2.54955	3.562		GPM TOTAL C3+	1.665
Methane	79.352	81.15214	64.932		GPM TOTAL iC5+	0.313
Carbon Dioxide	1.199	1.22620	2.692			
Ethane	9.287	9.49768	14.244	2.547		
Propane	3.368	3.44440	7.575	0.952		
Iso-butane	0.406	0.41521	1.204	0.136		
n-Butane	0.815	0.83349	2.416	0.264		
Iso-pentane	0.219	0.22397	0.806	0.082		
n-Pentane	0.179	0.18306	0.659	0.067		
Hexanes Plus	0.366	0.37430	1.740	0.164		
	97.684	100.00000	100.000	4.212		

Calculated Physical Properties

	Total	C6+
Relative Density Real Gas	0.6941	3.2176
Calculated Molecular Weight	20.05	93.19
Compressibility Factor	0.9970	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1157	5141
Water Sat. Gas Base BTU	1138	5052
Ideal, Gross HV - Dry at 14.73 psia	1153.9	5141.1
Ideal, Gross HV - Wet	1133.8	5051.6

Comments: H2S Field Content 0.1 %

Data reviewed by: Krystle Fitzwater, Laboratory Manager

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	1394 MCF/D	12/16/2021	Continuous	ACO Requested
ROSS RANCH 09.13.14 BATTERY	32.636187	-104.47781	1530 MCF/D	12/16/2021	Continuous	ACO Requested
OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY	32.652839	-104.478905	1130 MCF/D	12/16/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM NORTH BATTERY	32.625808	-104.469155	2727 MCF/D	12/16/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM SOUTH BATTERY	32.608649	-104.479201	1261 MCF/D	12/16/2021	Continuous	ACO Requested
DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY	32.614416	-104.478493	579 MCF/D	12/16/2021	Continuous	ACO Requested
HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY	32.610648	-104.472851	556 MCF/D	12/16/2021	Continuous	ACO Requested
LIVE OAK TANK BATTERY	32.63657	-104.46929	2027 MCF/D	12/16/2021	Continuous	ACO Requested
ROSE SOUTH TANK BATTERY	32.67021	-104.42768	1530 MCF/D	12/16/2021	Continuous	Pipeline Specs
MORRIS BOYD TANK BATTERY	32.6250267	-104.4488373	1588 MCF/D	12/16/2021	Continuous	Gas Rerouted
NIRVANA TANK BATTERY	32.84504	-104.09012	1130 MCF/D	12/16/2021	Continuous	Pipeline Specs
MARACAS 22 STATE TANK BATTERY	32.82126	-104.15683	145 MCF/D	12/16/2021	Continuous	Gas Rerouted
MAYARO 22 STATE TANK BATTERY	32.8178	-104.15639	541 MCF/D	12/16/2021	Continuous	Gas Rerouted
BONE YARD 11 FEE TANK BATTERY	32.5957685	-104.4593576	85 MCF/D	12/16/2021	Continuous	Gas Rerouted
BRADLEY 8 FEE 2H TANK BATTERY	32.66864	-104.40662	111 MCF/D	12/16/2021	Continuous	Gas Rerouted
BRADLEY 8 FEE 3H TANK BATTERY	32.66848	-104.40279	65 MCF/D	12/16/2021	Continuous	Gas Rerouted
BRAGG 10 FEE 1H TANK BATTERY	32.6688	-104.37643	53 MCF/D	12/16/2021	Continuous	Gas Rerouted
GRAVE DIGGER STATE COM 8H TANK BATTERY	32.59589	-104.45889	149 MCF/D	12/16/2021	Continuous	Gas Rerouted
PAINT 32 FEE TANK BATTERY	32.70285	-104.41207	325 MCF/D	12/16/2021	Continuous	Gas Rerouted
PATTON 5 FEE 2H TANK BATTERY	32.69414	-104.41225	88 MCF/D	12/16/2021	Continuous	Gas Rerouted
PATTON 5 FEE 8H TANK BATTERY	32.68356	-104.4117	114 MCF/D	12/16/2021	Continuous	Gas Rerouted
PINTO 36 STATE COM 1H TANK BATTERY	32.69751	-104.44541	132 MCF/D	12/16/2021	Continuous	Gas Rerouted
PINTO 36 STATE COM 4H TANK BATTERY	32.69744	-104.43249	209 MCF/D	12/16/2021	Continuous	Gas Rerouted

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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DEFINITIONS

Action 67961

DEFINITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 67961
	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 67961

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 67961
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS**Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

Incident Operator	[328947] Spur Energy Partners LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Not answered.
Incident Facility	[fAPP2126536127] Live Oak Central Tank Battery

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.

Determination of Reporting Requirements

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

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.

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.

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

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	81
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	1,000
Carbon Dioxide (CO2) percentage, if greater than one percent	1
Oxygen (O2) percentage, if greater than one percent	0

If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.

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 67961

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/16/2021
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:00 AM
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: 2,027 Mcf Recovered: 0 Mcf Lost: 2,027 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 January.
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 January.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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.
☒	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

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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.	12/20/2021