Certificate of Analysis

Number: 6030-21060226-001A

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 24, 2021

Station Name:	Nelson 13H Sales	Sampled By:	Nathan Payne
Station Number:	06065-01041	Sample Of:	Gas Spot
Station Location:	Spur	Sample Date:	06/22/2021 08:45
Sample Point:	Sales meter run	Sample Conditions:	41 psig, @ 83 °F Ambient: 78 °F
Type of Sample:	Spot-Cylinder	Effective Date:	06/22/2021 08:45
Heat Trace Used:	N/A	Method:	GPA-2261M
Sampling Method:	Fill and Purge	Cylinder No:	5030-01241
Sampling Company:	SPL	Instrument:	6030_GC6 (Inficon GC-3000 Micro)
Analyzed:	06/24/2021 07:50:26 by EJR	Last Inst. Cal.:	06/21/2021 0:00 AM

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.00000	0.000		GPM TOTAL C2+	7.205
Nitrogen	2.490	2.53388	3.085		GPM TOTAL C3+	3.738
Methane	71.026	72.27524	50.395		GPM TOTAL iC5+	1.033
Carbon Dioxide	0.395	0.40215	0.769			
Ethane	12.688	12.91129	16.873	3.467		
Propane	6.340	6.45188	12.365	1.785		
Iso-butane	0.801	0.81519	2.059	0.268		
n-Butane	2.025	2.06020	5.204	0.652		
Iso-pentane	0.566	0.57616	1.807	0.212		
n-Pentane	0.593	0.60312	1.891	0.220		
Hexanes Plus	1.347	1.37089	5.552	0.601		
	98.271	100.00000	100.000	7.205		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7976	3.2176
Calculated Molecular Weight	23.01	93.19
Compressibility Factor	0.9957	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1341	5141
Water Sat. Gas Base BTU	1318	5052
Ideal, Gross HV - Dry at 14.73 psia	1335.2	5141.1
Ideal, Gross HV - Wet	1311.9	5051.6

Comments: H2S Field Content 0 ppm
Mcf/day 580

Data reviewed by: Eric Ramirez, Analyst

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	1707 MCF/D	7/16/2021	Continuous	ACO Requested
ROSS RANCH 09.13.14 BATTERY	32.636187	-104.47781	1415 MCF/D	7/16/2021	Continuous	ACO Requested
OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY	32.652839	-104.478905	1070 MCF/D	7/16/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM NORTH BATTERY	32.625808	-104.469155	2812 MCF/D	7/16/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM SOUTH BATTERY	32.608649	-104.479201	1621 MCF/D	7/16/2021	Continuous	ACO Requested
DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY	32.614416	-104.478493	617 MCF/D	7/16/2021	Continuous	ACO Requested
HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY	32.610648	-104.472851	773 MCF/D	7/16/2021	Continuous	ACO Requested
IVAR THE BONELESS FEDERAL 11H TANK BATTERY	32.82715322	-103.7617711	602 MCF/D	7/16/2021	Continuous	Gas Rerouted
RAGNAR FEDERAL COM 25H TANK BATTERY	32.82684019	-103.753355	509 MCF/D	7/16/2021	Continuous	Gas Rerouted
SHOVEL HEAD FEDERAL COM 18H TANK BATTERY	32.8572687	-103.754297	480 MCF/D	7/16/2021	Continuous	Gas Rerouted
NELSON FEDERAL 23H TANK BATTERY	32.83383259	-103.7566841	379 MCF/D	7/16/2021	Continuous	Gas Rerouted
SKELLY UNIT 605 TANK BATTERY	32.8341255	-103.8396072	750 MCF/D	7/16/2021	Continuous	Gas Rerouted

District I
1625 N. French Dr., Hobbs, NM 88240
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 36625

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 36625
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was or is this venting or flaring caused by an emergency or malfunction	No
Did or will this venting 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 notification of a major venting or flaring	**Yes, answer to "eight hours or more" suggests this is at least a minor event.**
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there or will there be **at least 50 MCF** of natural gas vented or flared during this event	No
Did this venting 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

Unregistered Facility Site	
Please provide the facility details, if the venting or flaring occurred or is occuring at a facility that does not have an Facility ID (f#) yet.	
Facility or Site Name	Nelson Federal 23H Tank Battery
Facility Type	Tank Battery - (TB)

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	72
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

Date(s) and Time(s)	
Date venting or flaring was discovered or commenced	07/16/2021
Time venting or flaring was discovered or commenced	12:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/17/2021
Time venting or flaring was terminated	12:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	24
Longest duration of cumulative hours within any 24-hour period 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: Midstream Scheduled Maintenance | Other (Specify) | Natural Gas Flared | Spilled: 0 Mcf | Recovered: 0 Mcf | Lost: 0 Mcf]
Other Released Details	*Not answered.*
Additional details for Measured or Estimated Volume(s). Please specify	379 mcf/day flared. "Was there or will there be at least 50 mcf of natural gas vented or flared during this event" doesn't seem to work when marked yes. Yes, there was over 50 mcf flared during this event.
Is this a gas only submission (i.e. only Mcf values reported)	**More volume information must be supplied to determine if this will be treated as a "gas only" report.**

Venting or Flaring Resulting from Downstream Activity	
Was or is this venting or flaring a result of downstream activity	*Not answered.*
Date notified of downstream activity requiring this venting or flaring	*Not answered.*
Time notified of downstream activity requiring this venting 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	Midstream scheduled turn around.
Steps taken to limit the duration and magnitude of venting or flaring	Sold to DCP where possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Rerouted gas to other midstream companies as capacity allowed.

District I
1625 N. French Dr., Hobbs, NM 88240
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

CONDITIONS

Action 36625

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 36625
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	7/19/2021