



Certificate of Analysis

Number: 6030-22010234-002A

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

Jan. 27, 2022

Station Name: South Boyd Fed 14H
 Station Number: 79410075
 Station Location: Spur
 Sample Point: Meter Run
 Type of Sample: Spot-Cylinder
 Heat Trace Used: N/A
 Sampling Method: Fill and Purge
 Sampling Company: SPL
 Analyzed: 01/27/2022 13:34:05 by ERG

Sampled By: Nathan Payne
 Sample Of: Gas Spot
 Sample Date: 01/26/2022
 Sample Conditions: 70 psig, @ 58 °F Ambient: 35 °F
 Effective Date: 01/26/2022
 Method: GPA-2261M
 Cylinder No: 5030-01066
 Instrument: 70142339 (Inficon GC-MicroFusion)
 Last Inst. Cal.: 01/24/2022 0:00 AM

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	1.50000	2.214		GPM TOTAL C2+	6.424
Nitrogen	1.598	1.59624	1.937		GPM TOTAL C3+	2.939
Methane	70.099	70.00830	48.650		GPM TOTAL iC5+	0.563
Carbon Dioxide	4.292	4.28597	8.170			
Ethane	12.997	12.98064	16.907	3.485		
Propane	5.868	5.85993	11.193	1.621		
Iso-butane	0.741	0.73994	1.863	0.243		
n-Butane	1.619	1.61681	4.071	0.512		
Iso-pentane	0.403	0.40288	1.259	0.148		
n-Pentane	0.371	0.37002	1.156	0.135		
Hexanes Plus	0.640	0.63927	2.580	0.280		
	98.628	100.00000	100.000	6.424		

Calculated Physical Properties

Relative Density Real Gas	Total	C6+
Calculated Molecular Weight	0.8000	3.2176
Compressibility Factor	23.09	93.19
	0.9959	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1242	5141
Water Sat. Gas Base BTU	1221	5052
Ideal, Gross HV - Dry at 14.73 psia	1237.2	5141.1
Ideal, Gross HV - Wet	1215.5	5051.6

Comments: H₂S Field Content 1.5 %
 Mcf/day 546

Hydrocarbon 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
SOUTH BOYD FEDERAL COM TANK BATTERY	32.622820	-104.467970	94 MCF/D	2/3/2023	5-HOURS	Shut in CTB when feasibly possible.

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District IV
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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 183988

DEFINITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 183988
	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 183988

QUESTIONS

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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 Well	Unavailable.
Incident Facility	[fAPP2124228151] SOUTH BOYD FEDERAL COM TANK BATTERY

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	Yes
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.
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 withing 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	70
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	15,000
Carbon Dioxide (C02) percentage, if greater than one percent	4
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.

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QUESTIONS, Page 2

Action 183988

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/03/2022
Time vent or flare was discovered or commenced	05:00 PM
Time vent or flare was terminated	10:00 PM
Cumulative hours during this event	5

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Freeze Valve Natural Gas Flared Released: 94 Mcf Recovered: 0 Mcf Lost: 94 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	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 MALFUNCTION.
Steps taken to limit the duration and magnitude of vent or flare	WORKED WITH 3RD PARTY GATHERER TO RECTIFY PROBLEM.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	COLLABORATED W/ 3RD PARTY TO IDENTIFY AND RECTIFY ISSUE.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☒	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 complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	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.
☒	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.
☒	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 an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	2/8/2023