



Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

Sample Information

	Sample Information
Sample Name	4in sales check
Meter Number	t225192579
Technician	DANNY JURNEY
Operator	santo
Lease #	n/a
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	9-21-2023
Sampling Flow Rate	1751
Air Temperature	93
Heat Tracing	Heated Hose & Gasifier
Type of Sample	Spot-portable GC
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
Method Name	C9
Injection Date	2023-10-03 14:12:59
Report Date	2023-10-03 14:31:52
EZReporter Configuration File	GPA C9+ H2S .cfgx
Source Data File	20a78f23-3d85-4f2e-9db3-685a5cfc564b
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	13428.3	0.9223	0.00006868	0.9262	0.0	0.00896	0.000	
Methane	777644.9	68.1329	0.00008761	68.4214	692.7	0.37899	0.000	
CO2	1104.8	0.0636	0.00005761	0.0639	0.0	0.00097	0.000	
Ethane	260131.6	14.2222	0.00005467	14.2824	253.3	0.14828	3.839	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	220337.9	8.7723	0.00003981	8.8095	222.2	0.13412	2.439	
iso-butane	125354.3	1.3185	0.00001052	1.3241	43.2	0.02657	0.435	
n-Butane	311582.5	3.2272	0.00001036	3.2408	106.0	0.06504	1.027	
iso-pentane	79826.5	0.7427	0.00000930	0.7458	29.9	0.01858	0.274	
n-Pentane	90211.4	0.8351	0.00000926	0.8387	33.7	0.02089	0.306	
hexanes	66654.0	0.5370	0.00000806	0.5393	25.7	0.01605	0.223	
heptanes	58608.0	0.4283	0.00000731	0.4301	23.7	0.01488	0.199	
octanes	32673.0	0.2503	0.00000766	0.2513	15.7	0.00991	0.129	
nonanes+	6491.0	0.1260	0.00001941	0.1265	8.9	0.00560	0.072	
Total:		99.5782		100.0000	1454.9	0.84884	8.943	

Results Summary

Result	Dry
Total Un-Normalized Mole%	99.5782
Pressure Base (psia)	14.730
Temperature Base (Deg. F)	60.00
Flowing Temperature (Deg. F)	100.0
Flowing Pressure (psia)	120.0
Gross Heating Value (BTU / Ideal cu.ft.)	1454.9
Gross Heating Value (BTU / Real cu.ft.)	1462.5
Relative Density (G), Real	0.8529

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.5782	97.0000	103.0000	Pass

Specific Justification for the Volumes

			Volume			
Well	Date	Volume Source	Released	Recovered	Lost	Units
Barney 404H	12/10/2023	Flare Meter	62	0	62	Mcf

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

DEFINITIONS

Action 293654

DEFINITIONS

Operator: SPC RESOURCES, LLC P.O. Box 1020 Artesia, NM 88211	OGRID: 372262
	Action Number: 293654
	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 293654

QUESTIONS

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QUESTIONS

Prerequisites	
<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	[30-015-49097] BARNEY #404H
Incident Facility	[fAPP2130655643] Barney CTB

Determination of Reporting Requirements	
<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	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.
<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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Gas Compressor Station
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	68
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	0
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, Page 2

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QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/10/2023
Time vent or flare was discovered or commenced	03:25 AM
Time vent or flare was terminated	10:45 AM
Cumulative hours during this event	7

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Producing Well Natural Gas Flared Released: 62 Mcf Recovered: 0 Mcf Lost: 62 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	Equipment Malfunction
Steps taken to limit the duration and magnitude of vent or flare	Well shut-in
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Repaired Compressor

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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
jcompton	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.	12/12/2023