



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

Sample Information

	Sample Information
Sample Name	6in sales check
Meter Number	t230194394
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	4511
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 14:21:36
Report Date	2023-10-03 14:37:03
EZReporter Configuration File	GPA C9+ H2S .cfgx
Source Data File	83ffcf38-a01d-4837-8dfe-ac0a34c0b5d2
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	12788.1	0.8783	0.00006868	0.8829	0.0	0.00854	0.000	
Methane	876572.5	76.8003	0.00008761	77.1991	781.5	0.42761	0.000	
CO2	1762.0	0.1015	0.00005761	0.1020	0.0	0.00155	0.000	
Ethane	217235.3	11.8769	0.00005467	11.9386	211.8	0.12395	3.204	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	136793.6	5.4462	0.00003981	5.4744	138.1	0.08335	1.514	
iso-butane	80553.2	0.8473	0.00001052	0.8517	27.8	0.01709	0.280	
n-Butane	181119.6	1.8759	0.00001036	1.8857	61.7	0.03784	0.597	
iso-pentane	49554.4	0.4610	0.00000930	0.4634	18.6	0.01154	0.170	
n-Pentane	51840.1	0.4799	0.00000926	0.4824	19.4	0.01202	0.176	
hexanes	38573.0	0.3108	0.00000806	0.3124	14.9	0.00930	0.129	
heptanes	29079.0	0.2125	0.00000731	0.2136	11.8	0.00739	0.099	
octanes	16201.0	0.1241	0.00000766	0.1247	7.8	0.00492	0.064	
nonanes+	3545.0	0.0688	0.00001941	0.0691	4.8	0.00306	0.039	
Total:		99.4835		100.0000	1298.1	0.74815	6.271	

Results Summary

Result	Dry
Total Un-Normalized Mole%	99.4835
Pressure Base (psia)	14.730
Temperature Base (Deg. F)	60.00
Flowing Temperature (Deg. F)	78.0
Flowing Pressure (psia)	83.0
Gross Heating Value (BTU / Ideal cu.ft.)	1298.1
Gross Heating Value (BTU / Real cu.ft.)	1303.1
Relative Density (G), Real	0.7508

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.4835	97.0000	103.0000	Pass

Specific Justification for the Volumes

			Volume			
Well	Date	Volume Source	Released	Recovered	Lost	Units
Barney 434H	12/10/2023	Flare Meter	142	0	142	Mcf

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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 293745

DEFINITIONS

Operator: SPC RESOURCES, LLC P.O. Box 1020 Artesia, NM 88211	OGRID: 372262
	Action Number: 293745
	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 293745

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	[30-015-49107] BARNEY #434H
Incident Facility	[fAPP2130655643] Barney CTB

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 within 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 Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	77
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
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 293745

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: 142 Mcf Recovered: 0 Mcf Lost: 142 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	Compressor Failure
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