

Sample Information

	Sample Information
Sample Name	BARNEY 404H (5-4-2023)
WELL NAME	BARNEY 404H
Technician	DOMINGUEZ, ANTHONY
Operator	
Lease #	
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	05-04-2023
Sampling Flow Rate	
Air Temperature	78
Heat Tracing	Heated Hose & Gasifier
Type of Sample	Spot-portable GC
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
Method Name	C9
Injection Date	2023-05-04 11:59:04
Report Date	2023-05-04 12:01:13
EZReporter Configuration File	GPA C9+ H2S DEVON.cfgx
Source Data File	2eb37156-b9f8-40af-845e-c723c21651cb
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	13496.0	0.7643	0.00005664	0.7640	0.0	0.00739	0.000	
Methane	969647.5	70.8558	0.00007307	70.8283	717.0	0.39232	0.000	
CO2	1941.1	0.0914	0.00004706	0.0913	0.0	0.00139	0.000	
Ethane	311387.7	14.2207	0.00004567	14.2151	252.1	0.14758	3.819	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	236836.3	7.6767	0.00003241	7.6737	193.5	0.11683	2.124	
iso-butane	98548.6	1.0954	0.00001112	1.0949	35.7	0.02197	0.360	
n-Butane	234053.4	2.5765	0.00001101	2.5755	84.2	0.05169	0.816	
iso-pentane	67686.1	0.6546	0.00000967	0.6543	26.2	0.01630	0.240	
n-Pentane	81189.6	0.7657	0.00000943	0.7654	30.8	0.01907	0.279	
hexanes	83799.0	0.6297	0.00000751	0.6295	30.0	0.01873	0.260	
heptanes	82097.0	0.4968	0.00000605	0.4966	27.4	0.01718	0.230	
octanes	37908.0	0.1982	0.00000523	0.1982	12.4	0.00782	0.102	
nonanes+	2850.0	0.0132	0.00000463	0.0132	0.9	0.00058	0.007	
Total:		100.0391		100.0000	1410.3	0.81884	8.237	

Results Summary

Result	Dry	
Total Un-Normalized Mole%	100.0391	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Flowing Temperature (Deg. F)	0.0	
Flowing Pressure (psia)	0.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1410.3	
Gross Heating Value (BTU / Real cu.ft.)	1417.1	
Relative Density (G), Real	0.8224	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	100.0391	97.0000	103.0000	Pass	

Specific Justification for the Volumes

			Volume			
Well	Date	Volume Source	Released	Recovered	Lost	Units
Barney 404H	5/22/2023	Flare Meter	351	0	351	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 239236

DEFINITIONS

Operator: SPC RESOURCES, LLC P.O. Box 1020 Artesia, NM 88211	OGRID: 372262
	Action Number: 239236
	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 239236

QUESTIONS

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	Action Number: 239236
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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	Yes
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 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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	70
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

Action 239236

QUESTIONS (continued)

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	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/22/2023
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
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: Equipment Failure Gas Compressor Station Natural Gas Flared Released: 351 Mcf Recovered: 0 Mcf Lost: 351 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	Well was exploratory in nature and outperformed expectation
Steps taken to limit the duration and magnitude of vent or flare	Working to optimize the compression at the battery
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	SPC will upsize compressor needs in the future

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ACKNOWLEDGMENTS

Action 239236

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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.	7/12/2023