

## 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

Well	Date	Volume Source	Volume			Units
			Released	Recovered	Lost	
Barney 404H	5/4/2023	Flare Meter	527	0	527	Mcf

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**Oil Conservation Division**  
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DEFINITIONS

Action 239893

**DEFINITIONS**

Operator: SPC RESOURCES, LLC P.O. Box 1020 Artesia, NM 88211	OGRID: 372262
	Action Number: 239893
	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 239893

**QUESTIONS**

Operator: SPC RESOURCES, LLC P.O. Box 1020 Artesia, NM 88211	OGRID: 372262
	Action Number: 239893
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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

<b>Determination of Reporting Requirements</b>	
<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, major 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Gas Compressor Station
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<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 239893

**QUESTIONS (continued)**

Operator: SPC RESOURCES, LLC P.O. Box 1020 Artesia, NM 88211	OGRID: 372262
	Action Number: 239893
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Date(s) and Time(s)</b>	
Date vent or flare was discovered or commenced	05/04/2023
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

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Gas Compressor Station   Natural Gas Flared   Released: 527 Mcf   Recovered: 0 Mcf   Lost: 527 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.

<b>Venting or Flaring Resulting from Downstream Activity</b>	
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.

<b>Steps and Actions to Prevent Waste</b>	
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 239893

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**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	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 <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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  
 Action 239893

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	Action Number: 239893
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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.	7/13/2023