

Gas Composition and Properties

Effective December 1, 2021 07:00 - January 18, 2038 21:14



Source #: 57173

Name: SPITFIRE 18 FED #1

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide (CO2)	0.1935		0.4380
Nitrogen (N2)	0.4812		0.6933
Methane (C1)	86.3738		71.2673
Ethane (C2)	7.9551	2.1334	12.3027
Propane (C3)	2.3765	0.6565	5.3898
Isobutane (IC4)	0.5156	0.1692	1.5413
n-Butane (NC4)	0.6818	0.2155	2.0381
Isopentane (IC5)	0.2462	0.0903	0.9136
n-Pentane (NC5)	0.2046	0.0744	0.7592
Neopentane (neo)			
Hexanes Plus (C6+)	0.9715	0.4251	4.6563
Argon (Ar)			
Carbon Monoxide (CO)			
Hydrogen (H2)			
Oxygen (O2)			
Helium (He)			
Water (H2O)			
Hydrogen Sulfide (H2S)	0.0002		0.0004
Totals	100.0000	3.7640	100.0000

Property	Total Sample
Pressure Base	14.73
Temperature Base	60
HCDP @ Sample Pressure	
Cricondentherm	
HV, Dry @ Base P, T	1186.15
HV, Sat @ Base P, T	1165.51
HV, Sat @ Sample P, T	1183.00
Relative Density	0.6731
C6+: 60 - 30 - 10	

Sample

Date: 12/06/2021

Type: Spot

Tech: JOSE REGINO

Pressure:

59.0 psi

Temp.:

52 °F

Gauge:

Gauge

H2O:

Atm. Pressure:

13.2 psi

H2S:

2 ppm

Remarks:

Analysis

Date: 12/10/2021

Instrument:

Cylinder:

Tech: CDW

Remarks:

*** End of Report ***

Pipeline Blow Down

Blowdown Timeline: Date (m/dd/yy) 1/20/2022 Time (hr:mm) 18:00 Duration (in min): 720.00

Blowdown Location: Latitude: 32.06526 Longitude: 103.54217 Location Detail: **Outside a Fenced Facility**

Blowdown Location Desc:

	Notes	Inside Diameter	Miles	Feet	Volume (Cu Ft)
1		16.0000	12.00		88,467.25
2					
3					
Equivalent Diameter:		16.0000	Total Length:	63,360	88,467.25

Start Pressure (psig): 40.0 End Pressure (psig): 0.0
 Start Temperature (Deg F): 30.0 End Temperature (Deg F): 17.0
 Specific Gravity: 0.750 End Volume (MCF): 0.00
 Start Volume (MCF): 342.9

Was Gas Flared? Yes Total Blowdown (Mcf): 342.9

Purge Calculation

	Date (m/dd/yy)	Time (hr:mm)	
Purge Timeline:	1/21/2022	20:30	Duration (in min): 20.00

	Latitude:	Longitude:	Location Detail:
Purge Location:	32.06526	103.54217	Outside a Fenced Facility

Purge Location Desc:	4" valve at tank battery
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Pipe Diam. (in inches):	16.0	Was Gas Flared?	Yes
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Length (in feet):	42500.0	Was Gas Metered?	No
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Pipeline Press. (psig):	50.0		
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Blowdown Size (valve):	4.0	Purge Gas (Mcf):	284.4
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Gas Release Calc. (Leak, Relief Vlv, etc.)

Hole or Rip/Gouge?:	Hole
Length (in inches):	
Width (in inches):	
Diameter (in inches):	0.250
Pressure (psig):	55.0
Temperature (Deg F):	39.0

Specific Gravity:	0.750
Pipeline Diameter:	16.000
Equivalent Diameter:	0.250
Release Rate (MCF/Hour):	3.7

Gas Release (Mcf): 98.7

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State of New Mexico
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Oil Conservation Division
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DEFINITIONS

Action 76799

DEFINITIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 76799
	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 76799

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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	Not answered.
Incident Facility	[fAPP2123149329] ETC NGGS

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	Yes
Is this considered a submission for a vent or flare event	Yes, major 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	86
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	2
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 76799

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/20/2022
Time vent or flare was discovered or commenced	03:00 PM
Time vent or flare was terminated	06:00 PM
Cumulative hours during this event	27

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 99 Mcf Recovered: 0 Mcf Lost: 99 Mcf]
Natural Gas Flared (Mcf) Details	Cause: Repair and Maintenance Pipeline (Any) Natural Gas Flared Released: 343 Mcf Recovered: 0 Mcf Lost: 343 Mcf]
Other Released Details	Cause: Commissioning to Purge Pipeline (Any) Natural Gas Flared Released: 284 Mcf Recovered: 0 Mcf Lost: 284 Mcf]
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	The gas release was a result of corrosion of the line segment. The line was blown down for repair, then purged to put back in service.
Steps taken to limit the duration and magnitude of vent or flare	The line was blown down/purged as efficiently and safely as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Not applicable - corrosion and subsequent corrective action activities is a common occurrence in the industry.

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ACKNOWLEDGMENTS

Action 76799

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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
cblackaller	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.	1/31/2022