

## MANLEY GAS TESTING, INC.

P.O. DRAWER 193  
OFFICE(432)367-3024

FAX(432)367-1166

ODESSA, TEXAS 79760  
E-MAIL: MANLEYGAST@AOL.COMCHARGE..... 150 - 0  
REC. NO. .... 2  
TEST NUMBER.. 51741DATE SAMPLED..... 04-13-22  
DATE RUN..... 04-21-22  
EFFEC. DATE..... 05-01-22

STATION NO. ... 633048

PRODUCER ..... DMS

SAMPLE NAME.... FADAWAY RIDGE COMPRESSOR FLARE

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE ..... 698.0 PSIA

FLOWING TEMPERATURE ..... 82 F

SAMPLED BY: FT

CYLINDER NO. ...

FRACTIONAL ANALYSIS  
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.000	
NITROGEN.....	1.942	
CARBON DIOXIDE.....	0.283	
METHANE.....	78.717	
ETHANE.....	10.903	2.909
PROPANE.....	4.623	1.270
ISO-BUTANE.....	0.620	0.203
NOR-BUTANE.....	1.490	0.469
ISO-PENTANE.....	0.396	0.145
NOR-PENTANE.....	0.410	0.149
HEXANES +.....	0.616	0.268
TOTALS .....	100.000	5.413

'Z' FACTOR (DRY) = 0.9965  
'Z' FACTOR (WET) = 0.9961

CALC. MOL. WT. = 20.99

## ..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY ..... 0.7272

REAL, WET ..... 0.7256

## ..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY ..... 1237

BTU/CF - REAL, WET ..... 1216

## DISTRIBUTION AND REMARKS:

N

ANALYZED BY: CM  
\*\* R \*\*APPROVED: 

**Indicate Event Type Flare I****Data Entry - New Mexico Flaring -**

Report Run Date:

Date	EDDY, NM > Fadeaway Ridge CS > n. FL-1_Flare > Volume of Gas to Flare_Hourly (mscf)
12:00:00 AM	0.000
1:00:00 AM	0.000
2:00:00 AM	0.000
3:00:00 AM	0.000
4:00:00 AM	0.000
5:00:00 AM	0.000
6:00:00 AM	0.000
7:00:00 AM	0.000
8:00:00 AM	0.000
9:00:00 AM	0.000
10:00:00 AM	0.000
11:00:00 AM	0.000
12:00:00 PM	0.000
1:00:00 PM	0.000
2:00:00 PM	114.036
3:00:00 PM	0.000
4:00:00 PM	0.000
5:00:00 PM	0.000
6:00:00 PM	0.000
7:00:00 PM	0.000

**Indicate Event Type Flare I****Data Entry - New Mexico Flaring -**

Report Run Date:

Date	EDDY, NM > Fadeaway Ridge CS > n. FL-1_Flare > Volume of Gas to Flare_Hourly (mscf)
8:00:00 PM	0.000
9:00:00 PM	0.000
10:00:00 PM	0.000
11:00:00 PM	0.000
total	114.036

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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 149976

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 149976
	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: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 149976

**QUESTIONS**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 149976
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b> 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	[fAPP2123032975] Fadeaway Ridge Compressor Station

<b>Determination of Reporting Requirements</b> 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	No
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 <b>ANY</b> 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	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	79
Nitrogen (N2) percentage, if greater than one percent	2
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 149976

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 149976
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/09/2022
Time vent or flare was discovered or commenced	02:00 PM
Time vent or flare was terminated	03:00 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Other   Gas Compressor Station   Natural Gas Flared   Released: 114 Mcf   Recovered: 0 Mcf   Lost: 114 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	"Gas plant backed gas out to field while performing preventative maintenance (PM). Compressor stations flared due to unit shutdown related to high suction pressure from backed out gas. "
Steps taken to limit the duration and magnitude of vent or flare	Restarted units and resumed normal operations as soon as practical
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Equipment shutdowns due to high suction pressure occurs to prevent further damage to equipment. Reoccurrence is likely when inlet is pressured up beyond equipment tolerance level.

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ACKNOWLEDGMENTS

Action 149976

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	Action Number: 149976
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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

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	Action Number: 149976
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
cfrost	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.	10/10/2022