

MANLEY GAS TESTING, INC.

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

FAX (432) 367-1166

ODESSA, TEXAS 79760
E-MAIL: MANLEYGAST@AOL.COM

CHARGE..... 150 - 0
REC. NO. 3
TEST NUMBER.. 24638

DATE SAMPLED..... 01-25-22
DATE RUN..... 01-27-22
EFFEC. DATE..... 02-01-22

STATION NO. ... 06511003

PRODUCER DMS

SAMPLE NAME.... LOCO HILLS FLARE GAS

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE 29.0 PSIA

FLOWING TEMPERATURE 57 F

SAMPLED BY: DD

CYLINDER NO. ...

FRACTIONAL ANALYSIS CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.400	
NITROGEN.....	2.437	
CARBON DIOXIDE.....	0.656	
METHANE.....	72.585	
ETHANE.....	12.994	3.469
PROPANE.....	6.391	1.758
ISO-BUTANE.....	0.775	0.253
NOR-BUTANE.....	1.908	0.600
ISO-PENTANE.....	0.483	0.177
NOR-PENTANE.....	0.498	0.180
HEXANES +.....	0.873	0.381
TOTALS	100.000	6.818

H2S PPMV = 4000

'Z' FACTOR (DRY) = 0.9959

'Z' FACTOR (WET) = 0.9955

CALC. MOL. WT. = 22.56

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.7818

REAL, WET 0.7794

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1296

BTU/CF - REAL, WET 1274

DISTRIBUTION AND REMARKS:

N

ANALYZED BY: CM
** R **
~ HE ~

APPROVED: 

Date	EDDY, NM > BKU CS > n. FL-1_Flare > Total Gas to Flare Substituted (mscf)	EDDY, NM > Lobo CS > n. 16_Flare > Total Gas to Flare Substituted (mscf)	EDDY, NM > Loco Hills CS > n. FL- 1_Flare > Total Gas to Flare Substituted (mscf)
01/31/2023 12:00 AM	0	0	0
01/31/2023 1:00 AM	0	0	0
01/31/2023 2:00 AM	0	0	0
01/31/2023 3:00 AM	0	0	0
01/31/2023 4:00 AM	0	0	0
01/31/2023 5:00 AM	0	0	0
01/31/2023 6:00 AM	0	0	0
01/31/2023 7:00 AM	0	0	0
01/31/2023 8:00 AM	40.61	95.47	67.97
01/31/2023 9:00 AM	91.39	236.38	181.26
01/31/2023 10:00 AM	56.08	249.14	316.62
01/31/2023 11:00 AM	17.81	217.67	202.62
01/31/2023 12:00 PM	3.14	135.78	0
01/31/2023 1:00 PM	0	230.29	0
01/31/2023 2:00 PM	0	242.04	79.38
01/31/2023 3:00 PM	0	237.15	100.29
01/31/2023 4:00 PM	0	236.34	173.49
01/31/2023 5:00 PM	21.76	233.55	240.82
01/31/2023 6:00 PM	16.8	232.17	302.89
01/31/2023 7:00 PM	0	231.93	57.47
01/31/2023 8:00 PM	0	226.97	101.42
01/31/2023 9:00 PM	0	213.33	0
01/31/2023 10:00 PM	71.4	17.46	0
01/31/2023 11:00 PM	77.89	0.01	0

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District IV
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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 181585

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 181585
	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 181585

QUESTIONS

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	Action Number: 181585
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	Unavailable.
Incident Facility	[fAPP2123032733] Loco Hills Compressor Station

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, 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

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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	73
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	1
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 (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 181585
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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/01/2023
Time vent or flare was discovered or commenced	09:00 AM
Time vent or flare was terminated	08:00 PM
Cumulative hours during this event	11

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure Gas Compressor Station Natural Gas Flared Released: 1,824 Mcf Recovered: 0 Mcf Lost: 1,824 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 due to treating plant going sour. 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 181585

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	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 complete 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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CONDITIONS

Created By	Condition	Condition Date
mtaylor	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.	2/1/2023