



Mass Flow of Natural Gas

7092 lbs Released

20.4589 lb/lb-mol

379.3 scf/lb-mol

131482.9 scf Released

131.48 MCF Released

MANLEY GAS TESTING, INC.

P.O. DRAWER 193 ODESSA, TEXAS 79768
OFFICE (432) 367-3824 FAX (432) 367-1166 E-MAIL: MANLEYGAST@aol.com

CHARGE 368 DATE SAMPLED 01-13-25
REC. NO. 25 DATE RUN 01-22-25
TEST NUMBER 38411 EFFEC. DATE 01-01-25
SAMPLE TYPE COMPOSITE

STATION NO. 186001131
PRODUCER KINETIK
SAMPLE NAME ABO FADEAWAY TO DCP

RECEIVED FROM KINETIK
LOCATION HOUSTON TEXAS

FLOWING PRESSURE 741 PSIG FLOWING TEMPERATURE 36 F
SAMPLED BY: DO CYLINDER NO.

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

MOL%	GPM (REAL)	
HYDROGEN SULFIDE.....	0.2080	
NITROGEN.....	2.9620	
CARBON DIOXIDE.....	0.4668	
METHANE.....	78.3886	
ETHANE.....	11.8932	2.950
PROPANE.....	4.6647	1.282
ISO-BUTANE.....	0.5454	0.178
NOR-BUTANE.....	1.1735	0.369
ISO-PENTANE.....	0.1992	0.672
NOR-PENTANE.....	0.1777	0.964
HEXANES.....	0.1369	0.659
TOTALS.....	100.0000	4.983

H2S PPMV = 2080

'Z' FACTOR (DRY) = 0.9968
'Z' FACTOR (WET) = 0.9964

..CALCULATED SPECIFIC GRAVITIES.. ..CALCULATED GROSS HEATING VALUES..

IDEAL, DRY.....	0.7067	BTU/CF - IDEAL, DRY	1179.8
IDEAL, WET.....	0.7852	BTU/CF - IDEAL, WET	1159.2
REAL, DRY.....	0.7067	BTU/CF - REAL, DRY	1185.6
REAL, WET.....	0.7075	BTU/CF - REAL, WET	1163.4

DISTRIBUTION AND REMARKS:

E. MCCASLAND / J. TORREZ / J. AUCCIN / C. DYER / L. HAMILTON

RECATCH

ANALYZED BY: JT
** R **

APPROVED:

Name 1

Properties Composition Analyses Notes

Analysis

Mixed Species ...

Vapor Pressure 1

Pipe Leak Anal...

Name Pipe Leak Analysis - Back Bone leak

Hole Diameter	0.1 in
Hole Type	Sharp Edged
Pipe Internal Diameter	12 in
External Pressure	14.7 psig
Total Mass Flow Through Hole	590.987 lb/h
Component Subset	All Selected
Mass Flow of Selected Components	590.987 lb/h
Leak Duration	12 h
Mass Leaked of Selected Components	7091.85 lb

Component Mass Loss Through Hole

		lb/h	lb
Nitrogen	<input checked="" type="checkbox"/>	23.9696	287.636
Methane	<input checked="" type="checkbox"/>	363.234	4358.81
Carbon Dioxide	<input checked="" type="checkbox"/>	5.93455	71.2146
Ethane	<input checked="" type="checkbox"/>	96.33	1155.96
Propane	<input checked="" type="checkbox"/>	59.4196	713.035
i-Butane	<input checked="" type="checkbox"/>	9.15731	109.888
n-Butane	<input checked="" type="checkbox"/>	19.7032	236.438
i-Pentane	<input checked="" type="checkbox"/>	4.15798	49.8958
n-Pentane	<input checked="" type="checkbox"/>	3.70363	44.4435
Hexane	<input checked="" type="checkbox"/>	3.40798	40.8958
H2S	<input checked="" type="checkbox"/>	1.96903	23.6283

Add Analysis...

Delete Analysis

Name 1

Properties Composition Analyses Notes

Grouping

Basis

Phase

	Total	Vapor	Mixed Liquid
	%	%	
Nitrogen	2.9621	2.9621	
Methane	78.3827	78.3827	
Carbon Dioxide	0.466816	0.466816	
Ethane	11.0904	11.0904	
Propane	4.66486	4.66486	
i-Butane	0.545419	0.545419	
n-Butane	1.17354	1.17354	
i-Pentane	0.199507	0.199507	
n-Pentane	0.177706	0.177706	
Hexane	0.136905	0.136905	
H2S	0.200007	0.200007	

Mole Fraction Molar Flow Mass Fraction Mq

Flow Rates

Molar Flow	2064.21 lbmol/h
Mass Flow	42231.4 lb/h
Std Vapor Volumetric Flow	18.8 MMSCFD
Normal Vapor Volumetric Flow	17.787 MMCFD
Std Liquid Volumetric Flow	243.7 gpm

Specify...

Ionic Info...

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 445979

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 445979
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none">• 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 445979

QUESTIONS

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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	Unavailable.
Incident Facility	[fAPP2123229442] Frontier Field Services Gathering System

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	No
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 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 <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	78
Nitrogen (N2) percentage, if greater than one percent	3
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 445979

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/19/2025
Time vent or flare was discovered or commenced	03:11 PM
Time vent or flare was terminated	05:00 PM
Cumulative hours during this event	12

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 131 Mcf Recovered: 0 Mcf Lost: 131 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	High inlet pressure forcing station to flare for safety reasons
Steps taken to limit the duration and magnitude of vent or flare	Resumed normal operations once pressures were safe to do so.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Resumed normal operations once pressures were safe to do so. High pressures result in flaring for safety reasons, flaring likely when pressures are high.

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ACKNOWLEDGMENTS

Action 445979

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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 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

Action 445979

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CONDITIONS

Created By	Condition	Condition Date
sorozco	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.	3/26/2025