

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. 13
TEST NUMBER.. 25878DATE SAMPLED..... 01-31-23
DATE RUN..... 02-02-23
EFFEC. DATE..... 01-01-23

STATION NO. ... 06012021

PRODUCER DURANGO MIDSTREAM

SAMPLE NAME.... LOW PRESSURE INLET

TYPE: COMPOSITE

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE 40.0 PSIA

FLOWING TEMPERATURE 44 F

SAMPLED BY: JT

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.600	
NITROGEN.....	3.047	
CARBON DIOXIDE.....	1.008	
METHANE.....	72.271	
ETHANE.....	13.103	3.497
PROPANE.....	6.311	1.736
ISO-BUTANE.....	0.740	0.242
NOR-BUTANE.....	1.697	0.534
ISO-PENTANE.....	0.371	0.136
NOR-PENTANE.....	0.338	0.122
HEXANES +.....	0.514	0.224
TOTALS	100.000	6.491

H2S PPMV = 6000

'Z' FACTOR (DRY) = 0.9962

'Z' FACTOR (WET) = 0.9958

CALC. MOL. WT. = 22.22

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.7700

REAL, WET 0.7678

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1256

BTU/CF - REAL, WET 1234

DISTRIBUTION AND REMARKS:

N

ANALYZED BY: JT
** R **

APPROVED:

MANLEY GAS TESTING INC.
120 DOCK ROAD - ODESSA, TEXAS-432-367-3024

A SAMPLE OF LOW PRESSURE INLET - 01-21-23

CAPILLARY EXTENDED
C-6+ ANALYSIS
(NORMALIZED TO 100%)

PAGE NO. 1

COMPONENT	MOL%	WT%
-----	----	----
NEOHEXANE	0.343	0.332
2,3DMC4+CYC5	6.172	5.191
2MPENTANE	11.788	11.393
3MPENTANE	6.672	6.448
N-HEXANE	11.945	11.541
2,2 DMPENTANE	0.046	0.052
MCYCLOPENTANE	9.209	8.692
2,4 DMPENTANE	0.025	0.028
2,2,3 TMBUTANE	0.000	0.000
BENZENE	11.284	9.886
3,3 DMPENTANE	0.020	0.022
CYCLOHEXANE	10.609	10.014
2MHEXANE	1.483	1.667
2,3 DMPENTANE	1.369	1.539
3MHEXANE	1.990	2.237
DIMCYCPENTANES (GROUPED)	4.016	4.423
N-HEPTANE	3.657	4.110
MCYCLOHEXANE	7.382	8.129
2,2DMHEXANE	0.505	0.647
2,3,3TMPENTANE	0.019	0.024
TOLUENE	5.783	5.976
2,3DMHEXANE	0.076	0.097
2M3EPENTANE	0.036	0.047
2MHEPTANE	0.897	1.149
4MHEPTANE	0.134	0.171
3,4DMHEXANE	0.083	0.106
3MHEPTANE	0.469	0.601
TRIMCYCPENTANES (GROUPED)	0.180	0.228
DIMCYCHEXANES (GROUPED)	0.454	0.571
N-OCTANE	0.715	0.916
2,3,5TRIMHEXANE	0.020	0.029
2,2,4TRIMHEXANE	0.044	0.063
2,2DIMHEPTANE	0.010	0.014
2,2,3TRIMHEXANE	0.008	0.012
2,5DIMHEPTANE	0.015	0.022
I-NONANE	0.077	0.110
2,4DIMHEPTANE	0.211	0.303
E-CYCHEXANE	0.000	0.000
3,3DIMHEPTANE	0.076	0.109
2,6DIMHEPTANE	0.021	0.030
E-BENZENE	0.042	0.049
2,3DIMHEPTANE	0.014	0.020
M-XYLENE	0.269	0.320
P-XYLENE	0.070	0.083
3,4DIMHEPTANE	0.000	0.000
3EHEPTANE	0.016	0.023

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120 DOCK ROAD - ODESSA, TEXAS-432-367-3024

A SAMPLE OF LOW PRESSURE INLET - 01-21-23

CAPILLARY EXTENDED
C-6+ ANALYSIS
(NORMALIZED TO 100%)

PAGE NO. 2

COMPONENT	MOL%	WT%
4MOCTANE	0.083	0.120
3MOCTANE	0.031	0.044
O-XYLENE	0.044	0.053
IC4CYCPENTANE	0.022	0.032
N-NONANE	0.150	0.216
I-DECANE	0.017	0.028
1E1MCYC6	0.015	0.022
IC3BENZENE	0.048	0.065
2,3DMOCTANE	0.119	0.189
3EOCTANE	0.241	0.385
NC4CYCC6	0.048	0.075
NC3BENZENE	0.153	0.206
M+P E-TOLUENE	0.060	0.081
O-E-TOLUENE	0.026	0.035
2,2DMOCTANE	0.041	0.066
TERTBUTYLBENZENE	0.021	0.032
1,3,5TMBENZENE	0.011	0.015
3,6DMOCTANE	0.026	0.041
IC4BENZENE	0.068	0.102
N-DECANE	0.066	0.105
UNKNOWN C-6'S	0.000	0.000
UNKNOWN C-7'S	0.000	0.000
UNKNOWN C-8'S	0.021	0.027
UNKNOWN C-9'S	0.413	0.594
UNK C10'S THRU C14'S	0.022	0.043
UNK C15'S THRU C16'S	0.000	0.000
UNK C17'S THRU C20'S	0.000	0.000
TOTAL	100.000	100.000

COMPONENT GROUPINGS (PARAFFINS-NAPTHENES-AROMATICS)

	MOL%	WT%	* C6+ CHARACTERIZATION
TOTAL C-6'S	68.022	63.497	MOL.WEIGHT = 89.167
TOTAL C-7'S	25.771	28.183	SP.GRAVITY = 3.0787
TOTAL C-8'S	4.014	5.089	BTU/FT3(DRY) = 4730.431
TOTAL C-9'S	1.524	2.165	BTU/FT3(WET) = 4648.999
TOTAL C-10'S	0.647	1.023	CU.FT./GAL = 26.321
TOTAL C-11 THRU C-14	0.022	0.043	GAL/CU.FT. = 0.037993
TOTAL C-15 THRU C-16	0.000	0.000	MOL% C6+ AROMATICS = 17.879
TOTAL C-17 THRU C-20	0.000	0.000	
TOTAL	100.000	100.000	

<u>ASSET</u>	<u>EQUIPMENT</u>	<u>Date Discovered</u>	<u>Approximate Time Discovered</u>	<u>Date Leak Stopped</u>	<u>Approximate Time Leak Stopped</u>	<u>Est Leak Rate MCFD</u>	<u>Minutes Leaking</u>	<u>Estimated Vol</u>
Coyote	Compressor Unit	2/27/2024	7:50	2/27/2024	11:30	840	220	128.33
BKU	Compressor Unit	2/28/2024	8:30	2/28/2024	12:30	554	240	92.33
Kemnitz	Tank	2/28/2024	8:30	2/28/2024	14:30	1389	360	347.25
N. Penn	Tanks	2/28/2024	8:00	3/6/2024	14:30	136	10470	988.83

District I
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

DEFINITIONS

Action 321205

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321205
	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">• 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 321205

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321205
	Action Type: [C-129] Venting and/or Flaring (C-129)

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

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	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 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	72
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) 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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 321205

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321205
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/07/2024
Time vent or flare was discovered or commenced	12:00 PM
Time vent or flare was terminated	02:30 PM
Cumulative hours during this event	6

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Vented Released: 347 Mcf Recovered: 0 Mcf Lost: 347 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
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	Hung dump valve on 2nd stage dump, unit 2
Steps taken to limit the duration and magnitude of vent or flare	once notified of leak, operator responded, shut down equipment and repaired issue
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	once notified of leak, operator responded, shut down equipment and repaired issue

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ACKNOWLEDGMENTS

Action 321205

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Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321205
	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

Action 321205

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321205
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.	3/7/2024