

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. .... 1  
TEST NUMBER.. 28941

DATE SAMPLED..... 06-12-24  
DATE RUN..... 06-14-24  
EFFEC. DATE..... 07-01-24

STATION NO. ... 06112001

PRODUCER ..... DMS

SAMPLE NAME.... LH INLET

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE ..... 30.0 PSIA

FLOWING TEMPERATURE ..... 84 F

SAMPLED BY: DD

CYLINDER NO. ...

FRACTIONAL ANALYSIS  
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.300	
NITROGEN.....	2.529	
CARBON DIOXIDE.....	0.617	
METHANE.....	73.599	
ETHANE.....	12.614	3.367
PROPANE.....	5.970	1.642
ISO-BUTANE.....	0.736	0.240
NOR-BUTANE.....	1.745	0.549
ISO-PENTANE.....	0.455	0.166
NOR-PENTANE.....	0.460	0.167
HEXANES +.....	0.975	0.425
TOTALS .....	100.000	6.556

H2S PPMV = 3000

'Z' FACTOR (DRY) = 0.9960  
'Z' FACTOR (WET) = 0.9956

CALC. MOL. WT. = 22.32

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY ..... 0.7736  
REAL, WET ..... 0.7713

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY ..... 1285  
BTU/CF - REAL, WET ..... 1264

DISTRIBUTION AND REMARKS:

N

ANALYZED BY: JT  
\*\* R \*\*  
~ HE ~

APPROVED: 

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

A SAMPLE OF 06112001 LH INLET (06/12/24)

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

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PAGE NO. 1

COMPONENT -----	MOL% -----	WT% -----
NEOHEXANE . . . . .	0.354	0.336
2,3DMC4+CYC5 . . . . .	4.576	3.777
2MPENTANE . . . . .	10.312	9.779
3MPENTANE . . . . .	5.638	5.346
N-HEXANE . . . . .	11.416	10.831
2,2 DMPENTANE . . . . .	0.121	0.134
MCYCLOPENTANE . . . . .	8.100	7.502
2,4 DMPENTANE . . . . .	0.000	0.000
2,2,3 TMBUTANE . . . . .	0.025	0.027
BENZENE . . . . .	10.240	8.801
3,3 DMPENTANE . . . . .	0.000	0.000
CYCLOHEXANE . . . . .	12.039	11.149
2MHEXANE . . . . .	1.557	1.716
2,3 DMPENTANE . . . . .	1.220	1.345
3MHEXANE . . . . .	2.108	2.324
DIMCYCPENTANES (GROUPED)	3.708	4.006
N-HEPTANE . . . . .	4.236	4.671
MCYCLOHEXANE . . . . .	9.243	9.986
2,2DMHEXANE . . . . .	0.560	0.703
2,3,3TMPENTANE . . . . .	0.000	0.000
TOLUENE . . . . .	5.459	5.534
2,3DMHEXANE . . . . .	0.000	0.000
2M3EPENTANE . . . . .	0.302	0.379
2MHEPTANE . . . . .	1.401	1.761
4MHEPTANE . . . . .	0.000	0.000
3,4DMHEXANE . . . . .	0.115	0.144
3MHEPTANE . . . . .	0.620	0.779
TRIMCYCPENTANES (GROUPED)	0.074	0.092
DIMCYCHEXANES (GROUPED)	1.074	1.325
N-OCTANE . . . . .	1.081	1.358
2,3,5TRIMHEXANE . . . . .	0.000	0.000
2,2,4TRIMHEXANE . . . . .	0.032	0.045
2,2DIMHEPTANE . . . . .	0.008	0.011
2,2,3TRIMHEXANE . . . . .	0.015	0.022
2,5DIMHEPTANE . . . . .	0.000	0.000
I-NONANE . . . . .	0.000	0.000
2,4DIMHEPTANE . . . . .	0.000	0.000
E-CYCHEXANE . . . . .	0.259	0.320
3,3DIMHEPTANE . . . . .	0.147	0.208
2,6DIMHEPTANE . . . . .	0.000	0.000
E-BENZENE . . . . .	0.081	0.094
2,3DIMHEPTANE . . . . .	0.000	0.000
M-XYLENE . . . . .	0.450	0.526
P-XYLENE . . . . .	0.033	0.039
3,4DIMHEPTANE . . . . .	0.111	0.156
3EHEPTANE . . . . .	0.018	0.025

A SAMPLE OF 06112001 LH INLET (06/12/24)

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CAPILLARY EXTENDED  
C-6+ ANALYSIS  
(NORMALIZED TO 100%)  
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PAGE NO. 2

COMPONENT -----	MOL% ----	WT% -----
4MOCTANE .....	0.132	0.186
3MOCTANE .....	0.046	0.065
O-XYLENE .....	0.121	0.141
IC4CYCPENTANE .....	0.000	0.000
N-NONANE .....	0.347	0.489
I-DECANE .....	0.027	0.042
1E1MCYC6 .....	0.022	0.030
IC3BENZENE .....	0.079	0.105
2,3DMOCTANE .....	0.201	0.314
3EOCTANE .....	0.529	0.829
NC4CYCC6 .....	0.082	0.127
NC3BENZENE .....	0.120	0.159
M+P E-TOLUENE .....	0.199	0.263
O-E-TOLUENE .....	0.148	0.196
2,2DMOCTANE .....	0.245	0.383
TERTBUTYLBENZENE .....	0.043	0.064
1,3,5TMBENZENE .....	0.018	0.024
3,6DMOCTANE .....	0.036	0.057
IC4BENZENE .....	0.158	0.233
N-DECANE .....	0.157	0.246
UNKNOWN C-6'S .....	0.000	0.000
UNKNOWN C-7'S .....	0.000	0.000
UNKNOWN C-8'S .....	0.022	0.028
UNKNOWN C-9'S .....	0.507	0.715
UNK C10'S THRU C14'S .....	0.028	0.053
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

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COMPONENT GROUPINGS (PARAFFINS-NAPHTHENES-AROMATICS)  
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	MOL% -----	WT% -----	* C6+ CHARACTERIZATION -----
TOTAL C-6'S .....	62.675	57.521	MOL.WEIGHT = 90.878
TOTAL C-7'S .....	27.677	29.743	SP.GRAVITY = 3.1378
TOTAL C-8'S .....	6.193	7.689	BTU/FT3(DRY) = 4827.284
TOTAL C-9'S .....	1.949	2.699	BTU/FT3(WET) = 4744.167
TOTAL C-10'S .....	1.478	2.295	CU.FT./GAL = 25.866
TOTAL C-11 THRU C-14	0.028	0.053	GAL/CU.FT. = 0.038661
TOTAL C-15 THRU C-16	0.000	0.000	MOL% C6+ AROMATICS = 17.149
TOTAL C-17 THRU C-20	0.000	0.000	
TOTAL	100.000	100.000	

**Indicate Event Type Flare Event Type (1=SSM, 2=Emerg, 3=Malf, 4=Excess)**

**Data Entry - New Mexico Flaring - Flare Event Indicators**

Report Run Date:

Date	EDDY, NM > Loco Hills CS > n. FL-1_Flare > Volume of Gas to Flare_Hourly (mscf)
02/14/2025 12:00 AM	0.000
02/14/2025 1:00 AM	0.000
02/14/2025 2:00 AM	0.000
02/14/2025 3:00 AM	0.000
02/14/2025 4:00 AM	0.000
02/14/2025 5:00 AM	0.600
02/14/2025 6:00 AM	0.100
02/14/2025 7:00 AM	11.200
02/14/2025 8:00 AM	18.800
02/14/2025 9:00 AM	4.900
02/14/2025 10:00 AM	24.000
02/14/2025 11:00 AM	41.800
02/14/2025 12:00 PM	8.500
02/14/2025 1:00 PM	29.900
02/14/2025 2:00 PM	95.200
02/14/2025 3:00 PM	147.600
02/14/2025 4:00 PM	141.100
02/14/2025 5:00 PM	157.700
02/14/2025 6:00 PM	145.300
02/14/2025 7:00 PM	0.000
02/14/2025 8:00 PM	0.000
02/14/2025 9:00 PM	0.000
02/14/2025 10:00 PM	33.400
02/14/2025 11:00 PM	203.600

826.700

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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 433863

**DEFINITIONS**

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 433863
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**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 433863

**QUESTIONS**

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 433863
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**QUESTIONS**

<b>Prerequisites</b>	
<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 ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fAPP2123229442] Frontier Field Services Gathering System
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

<b>Determination of Reporting Requirements</b>	
<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, 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

<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>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	74
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	1
Oxygen (O2) percentage, if greater than one percent	12
<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 433863

**QUESTIONS (continued)**

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 433863
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/14/2025
Time vent or flare was discovered or commenced	05:00 AM
Time vent or flare was terminated	06:00 PM
Cumulative hours during this event	14

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	<i>Not answered.</i>
Other Released Details	Cause: High Line Pressure   Pipeline (Any)   Natural Gas Flared   Released: 827 Mcf   Recovered: 0 Mcf   Lost: 827 Mcf.
Additional details for Measured or Estimated Volume(s). Please specify	<i>Not answered.</i>
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>Yes, according to supplied volumes this appears to be a "gas only" report.</b>

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	<i>Not answered.</i>
Downstream OGRID that should have notified this operator	<i>Not answered.</i>
Date notified of downstream activity requiring this vent or flare	
Time notified of downstream activity requiring this vent or flare	<i>Not answered.</i>

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 433863

**ACKNOWLEDGMENTS**

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 433863
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
<input checked="" type="checkbox"/>	I hereby certify the statements in this amending 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 433863

**CONDITIONS**

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 433863
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**CONDITIONS**

Created By	Condition	Condition Date
sorozco	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	2/20/2025