

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. 1
TEST NUMBER.. 28941DATE 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)

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

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

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. 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-NAPTHENES-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	

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ID: 657
Name: 6511003
Desc: Loco Hills Flare
Type: Station Meter (Gas)
SiteService: AKM.UIS
Facility ID: LOCOHILLSFLARE_GM
Contract Hr: 5
Installed: 1-Mar-15

Count: 3 (9)

	DP inH2O	SP psi	Temp F	Volume MCF	Energy MMBTU
9/1/2024 17:00 -		14.09	94.332	0	0
9/1/2024 18:00 -		14.099	85.618	0	0
9/1/2024 19:00 -		14.094	81.031	0	0
9/1/2024 20:00 -		30.521	81.705	234.388	291.11
9/1/2024 21:00 -		34.632	82.737	363.138	451.017
9/1/2024 22:00 -		37.189	82.583	367.699	456.682
9/1/2024 23:00 -		38.319	82.569	381.981	474.42
9/2/2024 0:00 -		37.543	82.5	381.975	474.413
9/2/2024 1:00 -		37.68	82.814	381.98	474.419
9/2/2024 2:00 -		37.185	82.689	381.982	474.422
9/2/2024 3:00 -		37.251	82.826	381.982	474.422
9/2/2024 4:00 -		37.556	82.547	319.105	396.329
9/2/2024 5:00 -		37.182	82.243	69.739	86.616
9/2/2024 6:00 -		37.465	81.116	50.641	62.896
9/2/2024 7:00 -		37.183	78.432	36.893	45.822
9/2/2024 8:00 -		24.18	75.64	2.771	3.441
9/2/2024 9:00 -		23.896	76.379	10.786	13.396
9/2/2024 10:00 -		23.278	76.821	7.446	9.248
9/2/2024 11:00 -		23.3	76.503	5.551	6.895
9/2/2024 12:00 -		22.625	77.927	4.124	5.122
9/2/2024 13:00 -		25.221	78.989	12.953	16.087
9/2/2024 14:00 -		26.811	79.543	9.575	11.892
9/2/2024 15:00 -		27.391	81.305	22.802	28.32
9/2/2024 16:00 -		26.941	81.083	7.238	8.989
9/2/2024 17:00 -		19.636	79.589	38.025	47.227
9/2/2024 18:00 -		16.306	77.822	151.212	187.806
9/2/2024 19:00 -		14.104	68.567	0	0
9/2/2024 20:00 -		14.884	66.019	30.729	38.166
9/2/2024 21:00 -		16.68	76.851	86.962	108.007
9/2/2024 22:00 -		14.257	71.788	87.912	109.187
9/2/2024 23:00 -		14.172	69.607	110.256	136.939
9/3/2024 0:00 -		14.11	67.44	11.086	13.769
9/3/2024 1:00 -		14.086	60.828	0	0
9/3/2024 2:00 -		14.087	59.373	0	0
9/3/2024 3:00 -		14.087	59.971	0	0
9/3/2024 4:00 -		14.087	60.937	0	0

Avg/Total:

3950.931

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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 381002

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 381002
	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 381002

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 381002
	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	[fAPP2123032733] Loco Hills Compressor Station

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	Yes
Is this considered a submission for a vent or flare event	Yes, major 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	74
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	1
Oxygen (02) 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 (02) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 381002

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 381002
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/04/2024
Time vent or flare was discovered or commenced	03:00 PM
Time vent or flare was terminated	05:00 PM
Cumulative hours during this event	22

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: 3,951 Mcf Recovered: 0 Mcf Lost: 3,951 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	Communication card failure
Steps taken to limit the duration and magnitude of vent or flare	Communication card was replaced and station brought back up as soon as possible
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	checking other communication cards to prevent failure in the future

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ACKNOWLEDGMENTS

Action 381002

ACKNOWLEDGMENTS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 381002
	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 381002

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 381002
	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.	9/5/2024