

## 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. .... 0  
TEST NUMBER.. 28940DATE SAMPLED..... 06-12-24  
DATE RUN..... 06-14-24  
EFFECT. DATE..... 07-01-24

STATION NO. ...

PRODUCER ..... DMS

SAMPLE NAME.... LOBO INLET

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE ..... 27.0 PSIA

FLOWING TEMPERATURE ..... 85 F

SAMPLED BY: DD

CYLINDER NO. ...

FRACTIONAL ANALYSIS  
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.200	
NITROGEN.....	3.157	
CARBON DIOXIDE.....	0.849	
METHANE.....	70.582	
ETHANE.....	13.496	3.604
PROPANE.....	6.731	1.852
ISO-BUTANE.....	0.852	0.278
NOR-BUTANE.....	1.999	0.630
ISO-PENTANE.....	0.542	0.198
NOR-PENTANE.....	0.540	0.196
HEXANES +.....	1.052	0.459
TOTALS .....	100.000	7.217

H2S PPMV = 2000

'Z' FACTOR (DRY) = 0.9958

'Z' FACTOR (WET) = 0.9954

CALC. MOL. WT. = 23.09

## ..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY ..... 0.8004

REAL, WET ..... 0.7977

## ..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY .... 1313

BTU/CF - REAL, WET .... 1290

## DISTRIBUTION AND REMARKS:

N

ANALYZED BY: JT

APPROVED:



MANLEY GAS TESTING INC.

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

A SAMPLE OF DMS - LOBO INLET (06/12/24)

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

PAGE NO. 1

COMPONENT	MOL%	WT%
NEOHEXANE	0.372	0.356
2,3DMC4+CYC5	4.680	3.894
2MPENTANE	10.693	10.223
3MPENTANE	6.035	5.770
N-HEXANE	12.036	11.506
2,2 DMPENTANE	0.129	0.144
MCYCLOPENTANE	8.513	7.949
2,4 DMPENTANE	0.000	0.000
2,2,3 TMBUTANE	0.025	0.028
BENZENE	10.616	9.200
3,3 DMPENTANE	0.000	0.000
CYCLOHEXANE	11.284	10.536
2MHEXANE	1.577	1.753
2,3 DMPENTANE	1.293	1.438
3MHEXANE	2.145	2.385
DIMCYCPENTANES (GROUPED)	3.774	4.111
N-HEPTANE	4.201	4.671
MCYCLOHEXANE	8.509	9.270
2,2DMHEXANE	0.544	0.690
2,3,3TMPENTANE	0.000	0.000
TOLUENE	6.390	6.532
2,3DMHEXANE	0.000	0.000
2M3EPENTANE	0.000	0.000
2MHEPTANE	1.097	1.390
4MHEPTANE	0.000	0.000
3,4DMHEXANE	0.053	0.067
3MHEPTANE	0.512	0.649
TRIMCYCPENTANES (GROUPED)	0.078	0.097
DIMCYCHEXANES (GROUPED)	0.952	1.185
N-OCTANE	0.905	1.147
2,3,5TRIMHEXANE	0.000	0.000
2,2,4TRIMHEXANE	0.054	0.077
2,2DIMHEPTANE	0.007	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	0.235	0.292
3,3DIMHEPTANE	0.134	0.191
2,6DIMHEPTANE	0.000	0.000
E-BENZENE	0.084	0.099
2,3DIMHEPTANE	0.000	0.000
M-XYLENE	0.382	0.450
P-XYLENE	0.150	0.176
3,4DIMHEPTANE	0.110	0.157
3EHEPTANE	0.019	0.028

A SAMPLE OF DMS - LOBO INLET (06/12/24)

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

PAGE NO. 2

COMPONENT	MOL%	WT%
4MOCTANE	0.102	0.145
3MOCTANE	0.042	0.059
O-XYLENE	0.106	0.125
IC4CYCPENTANE	0.000	0.000
N-NONANE	0.270	0.384
I-DECANE	0.028	0.045
1E1MCYC6	0.019	0.026
IC3BENZENE	0.059	0.078
2,3DMOCTANE	0.153	0.242
3EOCTANE	0.375	0.591
NC4CYCC6	0.056	0.087
NC3BENZENE	0.080	0.106
M+P E-TOLUENE	0.136	0.181
O-E-TOLUENE	0.109	0.146
2,2DMOCTANE	0.176	0.278
TERTBUTYLBENZENE	0.030	0.045
1,3,5TMBENZENE	0.013	0.017
3,6DMOCTANE	0.023	0.037
IC4BENZENE	0.111	0.165
N-DECANE	0.120	0.189
UNKNOWN C-6'S	0.000	0.000
UNKNOWN C-7'S	0.000	0.000
UNKNOWN C-8'S	0.016	0.020
UNKNOWN C-9'S	0.353	0.501
UNK C10'S THRU C14'S	0.020	0.039
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-NAPHTHENES-AROMATICS)

	MOL%	WT%	* C6+ CHARACTERIZATION
TOTAL C-6'S	64.229	59.434	MOL.WEIGHT = 90.135
TOTAL C-7'S	28.043	30.332	SP.GRAVITY = 3.1121
TOTAL C-8'S	5.114	6.387	BTU/FT3(DRY) = 4782.908
TOTAL C-9'S	1.522	2.129	BTU/FT3(WET) = 4700.563
TOTAL C-10'S	1.072	1.679	CU.FT./GAL = 26.079
TOTAL C-11 THRU C-14	0.020	0.039	GAL/CU.FT. = 0.038345
TOTAL C-15 THRU C-16	0.000	0.000	MOL% C6+ AROMATICS = 18.266
TOTAL C-17 THRU C-20	0.000	0.000	
TOTAL	100.000	100.000	



Generated: 09/02/2024 08:15 (-0600)

Devices: 9

ID: 655

Name: 6511001

Desc: Lobo Comp Flare

Type: Station Meter (Gas)

SiteService: AKM.UIS

Facility ID: LOBOCOMPFLARE\_GM

Contract Hr: 5

Installed: 1-Mar-15

Count: 1 (9)

	DP	SP	Temp	Volume	Energy
	inH2O	psi	F	MCF	MMBTU
9/1/2024 5:00 -		12.243	64.981	0	0
9/1/2024 6:00 -		12.251	65.058	0	0
9/1/2024 7:00 -		12.267	66.638	0	0
9/1/2024 8:00 -		12.284	73.076	0	0
9/1/2024 9:00 -		12.296	79.656	0	0
9/1/2024 10:00 -		12.321	87.917	0	0
9/1/2024 11:00 -		12.326	91.655	0	0
9/1/2024 12:00 -		12.32	93.857	0	0
9/1/2024 13:00 -		12.312	94.51	0	0
9/1/2024 14:00 -		12.309	96.085	0	0
9/1/2024 15:00 -		12.302	94.495	0	0
9/1/2024 16:00 -		12.296	93.56	0	0
9/1/2024 17:00 -		12.287	89.129	0	0
9/1/2024 18:00 -		12.283	86.228	0	0
9/1/2024 19:00 -		12.283	80.821	0	0
9/1/2024 20:00 -		36.989	78.944	155.801	191.324
9/1/2024 21:00 -		52.973	82.864	322.915	396.54
9/1/2024 22:00 -		57.531	82.903	353.29	433.841
9/1/2024 23:00 -		58.375	82.743	359.071	440.939
9/2/2024 0:00 -		58.303	82.363	356.071	437.255
9/2/2024 1:00 -		58.765	82.282	358.904	440.734
9/2/2024 2:00 -		58.493	81.87	357.095	438.512
9/2/2024 3:00 -		58.77	81.535	358.931	440.767
9/2/2024 4:00 -		59.047	80.822	361.433	443.84
9/2/2024 5:00 -		58.81	79.003	358.301	439.994
9/2/2024 6:00 -		59.148	76.636	363.161	445.962
9/2/2024 7:00 -		59.06	73.699	362.024	444.565
9/2/2024 8:00 -		54.163	71.676	327.715	402.434
9/2/2024 9:00 -		47.654	71.716	281.989	346.282
9/2/2024 10:00 -		38.917	71.144	226.251	277.837
9/2/2024 11:00 -		33.089	72.076	185.811	228.176
9/2/2024 12:00 -		24.527	70.948	67.583	82.992
9/2/2024 13:00 -		12.313	65.683	0	0
9/2/2024 14:00 -		12.314	69.136	0	0
				5156.346	

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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 380960

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 380960
	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"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 380960

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 380960
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

<b>Prerequisites</b> 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	[fAPP2123032826] Lobo Compressor Station

<b>Determination of Reporting Requirements</b> 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

<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> Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	71
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 (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 380960

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 380960
	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: 5,156 Mcf   Recovered: 0 Mcf   Lost: 5,156 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	5156.3
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 replaced
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	checking other communication cards to ensure this doesn't happen in the future



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ACKNOWLEDGMENTS  
  
Action 380960

ACKNOWLEDGMENTS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 380960
	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 <b>complete</b> 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 380960

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 380960
	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