

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.. 23426DATE SAMPLED..... 01-29-21
DATE RUN..... 02-10-21
EFFEC. DATE..... 02-01-21

STATION NO. ... 06511001

PRODUCER FRONTIER FIELD SERVICES

SAMPLE NAME.... LOBO COMPRESSOR FLARE GAS

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE 478.0 PSIA

FLOWING TEMPERATURE 90 F

SAMPLED BY: DD

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.200	
NITROGEN.....	4.390	
CARBON DIOXIDE.....	1.384	
METHANE.....	71.108	
ETHANE.....	13.778	3.677
PROPANE.....	6.199	1.704
ISO-BUTANE.....	0.676	0.221
NOR-BUTANE.....	1.445	0.455
ISO-PENTANE.....	0.268	0.097
NOR-PENTANE.....	0.231	0.083
HEXANES +.....	0.321	0.139
TOTALS	100.000	6.376

H2S PPMV = 2000

'Z' FACTOR (DRY) = 0.9964
'Z' FACTOR (WET) = 0.9960

CALC. MOL. WT. = 22.08

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.7649

REAL, WET 0.7628

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1224

BTU/CF - REAL, WET 1204

DISTRIBUTION AND REMARKS:

N

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

APPROVED: MC



Daily Flare Report

Values used for calculations

Flares D-2301 &

D-2302

HHV (Btu/scf): 1,314

VOC weight fraction: 0.2698

Molecular Weight: 22.94

H2S concentration: 9,000 ppm

Facility: Empire Abo Gas Plant
Date: 8/9/2022

Flares D-2301 & D-2302			NOx		CO		VOC		SO2		H2S	
Time	Event Type	Flare Volume (Mcf)	Total Emissions (lbs/hr)	Excess Emissions (lbs)	Total Emissions (lbs/hr)	Excess Emissions (lbs)	Total Emissions (lbs/hr)	Excess Emissions (lbs)	Total Emissions (lbs/hr)	Excess Emissions (lbs)	Total Emissions (lbs/hr)	Excess Emissions (lbs)
0:00	Malfunction	300.8	54.54	0.0	146.2	0.0	98.2	0.0	448.7	0.0	4.9	0.0
1:00	Malfunction	222.1	40.28	0.0	108.0	0.0	72.5	0.0	331.4	0.0	3.6	0.0
2:00	Malfunction	179.3	32.51	0.0	87.2	0.0	58.5	0.0	267.4	0.0	2.9	0.0
3:00	Malfunction	158.2	28.69	0.0	76.9	0.0	51.7	0.0	236.0	0.0	2.6	0.0
4:00	Malfunction	146.5	26.57	0.0	71.2	0.0	47.9	0.0	218.6	0.0	2.4	0.0
5:00	Malfunction	4.3	0.79	0.0	2.1	0.0	1.4	0.0	6.5	0.0	0.1	0.0
6:00	Malfunction	11.1	2.01	0.0	5.4	0.0	3.6	0.0	16.5	0.0	0.2	0.0
7:00	Malfunction	17.8	3.23	0.0	8.7	0.0	5.8	0.0	26.6	0.0	0.3	0.0
8:00	Malfunction	24.6	4.46	0.0	12.0	0.0	8.0	0.0	36.7	0.0	0.4	0.0
9:00	Malfunction	135.2	24.51	0.0	65.7	0.0	44.1	0.0	201.6	0.0	2.2	0.0
10:00	Malfunction	126.6	22.96	0.0	61.6	0.0	41.3	0.0	188.9	0.0	2.0	0.0
11:00	Malfunction	119.3	21.63	0.0	58.0	0.0	39.0	0.0	177.9	0.0	1.9	0.0
12:00	Malfunction	109.9	19.93	0.0	53.4	0.0	35.9	0.0	164.0	0.0	1.8	0.0
13:00	Malfunction	117.9	21.38	0.0	57.3	0.0	38.5	0.0	175.9	0.0	1.9	0.0
14:00	Malfunction	117.0	21.21	0.0	56.9	0.0	38.2	0.0	174.5	0.0	1.9	0.0
15:00	Malfunction	99.6	18.05	0.0	48.4	0.0	32.5	0.0	148.5	0.0	1.6	0.0
16:00	Malfunction	89.7	16.27	0.0	43.6	0.0	29.3	0.0	133.9	0.0	1.5	0.0
17:00	Malfunction	82.4	14.94	0.0	40.0	0.0	26.9	0.0	122.9	0.0	1.3	0.0
18:00	Malfunction	78.8	14.29	0.0	38.3	0.0	25.7	0.0	117.5	0.0	1.3	0.0
19:00	Malfunction	79.5	14.41	0.0	38.6	0.0	26.0	0.0	118.5	0.0	1.3	0.0
20:00	Malfunction	76.9	13.95	0.0	37.4	0.0	25.1	0.0	114.7	0.0	1.2	0.0
21:00	Malfunction	73.4	13.32	0.0	35.7	0.0	24.0	0.0	109.6	0.0	1.2	0.0
22:00	Malfunction	71.1	12.89	0.0	34.6	0.0	23.2	0.0	106.1	0.0	1.2	0.0
23:00	Malfunction	72.3	13.11	0.0	35.2	0.0	23.6	0.0	107.9	0.0	1.2	0.0



Facility: Fadeaway Ridge CS

Date: 8/9/2022

FL-1_Flare		
Time	Event Type	Flare Volume (Mcf)
0:00	Malfunction	382.0
1:00	Malfunction	338.7
2:00	-	0.0
3:00	-	0.0
4:00	-	0.0
5:00	-	0.0
6:00	-	0.0
7:00	-	0.0
8:00	-	0.0
9:00	Malfunction	11.7
10:00	Malfunction	9.0
11:00	-	0.0
12:00	-	0.0
13:00	-	0.0
14:00	-	0.0
15:00	-	0.0
16:00	-	0.0
17:00	-	0.0
18:00	-	0.0
19:00	-	0.0
20:00	-	0.0
21:00	-	0.0
22:00	-	0.0
23:00	-	0.0



Facility: Lobo CS

Date: 8/9/2022

16_Flare		
Time	Event Type	Flare Volume (Mcf)
0:00	SSM	67.2
1:00	SSM	27.3
2:00	SSM	24.5
3:00	-	0.0
4:00	-	0.0
5:00	SSM	15.6
6:00	SSM	30.8
7:00	SSM	32.6
8:00	SSM	5.9
9:00	SSM	25.0
10:00	SSM	70.8
11:00	SSM	33.3
12:00	SSM	36.0
13:00	SSM	22.1
14:00	SSM	2.1
15:00	-	0.0
16:00	-	0.0
17:00	SSM	101.9
18:00	SSM	94.1
19:00	SSM	188.0
20:00	SSM	164.6
21:00	SSM	111.5
22:00	SSM	112.8
23:00	SSM	102.8

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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 132737

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 132737
	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: • 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 132737

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 132737
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	Not answered.
Incident Facility	[fAPP2123032826] Lobo Compressor Station

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, 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

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	71
Nitrogen (N2) percentage, if greater than one percent	4
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	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 132737

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 132737
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/10/2022
Time vent or flare was discovered or commenced	09:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	20

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure Gas Compressor Station Natural Gas Flared Released: 1,268 Mcf Recovered: 0 Mcf Lost: 1,268 Mcf]
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	Various unscheduled maintenance/ startup activities. Equipment shutdowns are not always predictable.
Steps taken to limit the duration and magnitude of vent or flare	Addressed issues and made appropriate corrections.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Equipment shutdowns occur to prevent further damage to equipment. reoccurrence is likely.

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ACKNOWLEDGMENTS

Action 132737

ACKNOWLEDGMENTS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 132737
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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.
☒	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.
☒	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 132737

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Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 132737
	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.	8/10/2022