

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
EFFECT. 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



Facility: Loco Hills CS

Date: 12/8/2021

FL-1_Flare		
Time	Event Type	Flare Volume (Mcf)
0:00	-	0.0
1:00	-	0.0
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	-	0.0
10:00	-	0.0
11:00	-	0.0
12:00	Malfunction	3.5
13:00	Malfunction	99.8
14:00	Malfunction	119.4
15:00	Malfunction	141.5
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: 12/8/2021

16_Flare		
Time	Event Type	Flare Volume (Mcf)
0:00		0.0
1:00		0.0
2:00	Malfunction	0.1
3:00		0.0
4:00		0.0
5:00		0.0
6:00		0.0
7:00	Malfunction	0.2
8:00	Malfunction	1.8
9:00	Malfunction	0.4
10:00	Malfunction	0.3
11:00	Malfunction	0.1
12:00	Malfunction	132.8
13:00	Malfunction	268.2
14:00	Malfunction	272.1
15:00	Malfunction	266.5
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: Empire Abo Gas Plant
Date: 12/8/2021

Flares D-2301 & D-2302		
Time	Event Type	Flare Volume (Mcf)
0:00	Malfunction	0.2
1:00	Malfunction	0.2
2:00		0.0
3:00	Malfunction	0.2
4:00	Malfunction	0.1
5:00		0.0
6:00		0.0
7:00	Malfunction	0.1
8:00	Malfunction	0.1
9:00		0.0
10:00	-	0.0
11:00	-	0.0
12:00	-	0.0
13:00	-	0.0
14:00	-	0.0
15:00	Malfunction	0.4
16:00		0.0
17:00		0.0
18:00	-	0.0
19:00	Malfunction	77.3
20:00	Malfunction	100.0
21:00	Malfunction	99.9
22:00	Malfunction	100.4
23:00	Malfunction	100.8



Facility: BKU CS
Date: 12/8/2021

FL-1_Flare		
Time	Event Type	Flare Volume (Mcf)
0:00	-	0.0
1:00	-	0.0
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	-	0.0
10:00	Malfunction	2.2
11:00	Malfunction	2.3
12:00	Malfunction	162.3
13:00	Malfunction	1,147.0
14:00	Malfunction	865.9
15:00	Malfunction	749.9
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

District I
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District II
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District III
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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 66001

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 66001
	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 66001

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 66001
	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	Not answered.
Incident Facility	[fAPP2123032826] Lobo 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 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	
Please provide the mole percent for the percentage questions in this group.	
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
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 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 66001

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 66001
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/08/2021
Time vent or flare was discovered or commenced	02:00 AM
Time vent or flare was terminated	04:00 PM
Cumulative hours during this event	10

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Other Gas Plant Natural Gas Flared Released: 943 Mcf Recovered: 0 Mcf Lost: 943 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	Third party takeaway at gas plant shut in, operator has no control over 3rd party shut-in.
Steps taken to limit the duration and magnitude of vent or flare	Resumed normal operations once GCNM reopened valve
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	third party reopened slam valve, gas brought back in to plant. Cause likely to reoccur if GCNM shuts their valve again.

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ACKNOWLEDGMENTS

Action 66001

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Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 66001
	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 66001

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Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 66001
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
aakhgar	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.	12/9/2021