

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



Facility: Lobo CS
Date: 6/20/2021

16_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	Malfunction	47.1
5:00	Malfunction	82.7
6:00	Malfunction	75.9
7:00	Malfunction	84.9
8:00	Malfunction	61.2
9:00	Malfunction	158.7
10:00	Malfunction	53.6
11:00	Malfunction	42.7
12:00	Malfunction	78.2
13:00	-	0.0
14:00	Malfunction	76.2
15:00	Malfunction	289.4
16:00	Malfunction	274.1
17:00	Malfunction	194.1
18:00	Malfunction	2.3
19:00	-	0.0
20:00	-	0.0
21:00	-	0.0
22:00	-	0.0
23:00	-	0.0

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

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

QUESTIONS

Action 32900

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115 Action Number: 32900 Action Type: [C-129] Venting and/or Flaring (C-129)
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QUESTIONS**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 or is this venting or flaring caused by an emergency or malfunction	Yes
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a notification of a major venting or flaring	Yes, major venting or flaring of natural gas.
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.13.29.7 NMAC.	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
Did this venting or flaring 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

Unregistered Facility Site

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

Facility or Site Name	Not answered.
Facility Type	Not answered.

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.

Date(s) and Time(s)

Date venting or flaring was discovered or commenced	06/20/2021
Time venting or flaring was discovered or commenced	04:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/20/2021
Time venting or flaring was terminated	07:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	14
Longest duration of cumulative hours within any 24-hour period during this event	14

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Plant Natural Gas Flared Spilled: 1,521 Mcf Recovered: 0 Mcf Lost: 1,521 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 Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity

Was or is this venting or flaring a result of downstream activity	Not answered.
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

Steps and Actions to Prevent Waste

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For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	A valve broke on the discharge line on C-211 causing flaring at the gas plant. gas was backed out of plant and flared in the field while repairs were made. Operator could not anticipate a valve breaking.
Steps taken to limit the duration and magnitude of venting or flaring	Maintenance worked diligently to get repairs made in a timely manner so the plant could resume normal operations.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Operations always intends to avoid equipment failures, however, these issues will arise on occasion. Cannon guarantee there will not be a reoccurrence of this type in the future.

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CONDITIONS

Action 32900

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Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 32900
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	6/21/2021