

# MANLEY GAS TESTING, INC.

P.O. DRAWER 193  
OFFICE(432)367-3024

FAX(432)367-1166

ODESSA, TEXAS 79760  
E-MAIL: MANLEYGAST@AOL.COM

CHARGE..... 150 - 0  
REC. NO. .... 1  
TEST NUMBER.. 23426

DATE 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: BKU CS  
Date: 8/18/2021

FL-1_Flare		
Time	Event Type	Flare Volume (Mcf)
0:00	Malfunction	280.9
1:00	Malfunction	162.1
2:00	-	0.0
3:00	-	0.0
4:00	Malfunction	9.8
5:00	-	0.0
6:00	-	0.0
7:00	-	0.0
8:00	-	0.0
9:00	SSM	0.4
10:00	-	0.0
11:00	-	0.0
12:00	-	0.0
13:00	SSM	1.6
14:00	-	0.0
15:00	-	0.0
16:00	SSM	2.0
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: 8/18/2021

16_Flare		
Time	Event Type	Flare Volume (Mcf)
0:00	Malfunction	263.9
1:00	Malfunction	202.5
2:00	Malfunction	89.3
3:00	Malfunction	65.6
4:00	Malfunction	7.9
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	SSM	3.1
12:00	SSM	19.0
13:00	SSM	1.1
14:00	SSM	26.0
15:00	SSM	29.7
16:00	SSM	23.1
17:00	-	0.0
18:00	SSM	24.5
19:00	-	0.0
20:00	-	0.0
21:00	-	0.0
22:00	-	0.0
23:00	-	0.0



Facility: Loco Hills CS  
Date: 8/18/2021

FL-1_Flare		
Time	Event Type	Flare Volume (Mcf)
0:00	Malfunction	155.3
1:00	Malfunction	13.1
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	-	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

**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 43175

**QUESTIONS**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 43175
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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

<b>Determination of Reporting Requirements</b>	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/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 and/or flaring	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 or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/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
Was the venting and/or flaring 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>	
<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.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	08/18/2021
Time venting and/or flaring was discovered or commenced	12:00 AM
Time venting and/or flaring was terminated	06:00 PM
Cumulative hours during this event	12

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.

Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Gas Plant   Natural Gas Flared   Released: 756 Mcf   Recovered: 0 Mcf   Lost: 756 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.

<b>Venting or Flaring Resulting from Downstream Activity</b>	
Was or is this venting and/or flaring a result of downstream activity	Not answered.
Date notified of downstream activity requiring this venting and/or flaring	Not answered.
Time notified of downstream activity requiring this venting and/or flaring	Not answered.

<b>Steps and Actions to Prevent Waste</b>	
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	Gas Plant went sour overnight causing third party takeaway to shut the plant in. High level in the Amine 1 flash tank shut down the amine pumps causing the plant to go sour. Plant operations were able to resolve the treating issue and restart deliveries to TW & GCNM at 12:30 am. Plant backed inlet gas out to field compressor stations- operators unable to avoid flaring.
Steps taken to limit the duration and magnitude of venting and/or flaring	Plant backed inlet gas out to field compressor stations- operators unable to avoid flaring.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Plant operations were able to resolve the treating issue and restart deliveries to TW & GCNM at 12:30 am.

**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**

CONDITIONS  
 Action 43175

**CONDITIONS**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 43175
	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.	8/19/2021