

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. 18
TEST NUMBER.. 23341DATE SAMPLED..... 01-21-21
DATE RUN..... 01-25-21
EFEC. DATE..... 02-01-21

STATION NO. ... 06511002

PRODUCER DURANGO MIDSTREAM

SAMPLE NAME.... BKU FLARE

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE 24.0 PSIA

FLOWING TEMPERATURE 65 F

SAMPLED BY: DD

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	1.000	
NITROGEN.....	1.743	
CARBON DIOXIDE.....	2.071	
METHANE.....	63.739	
ETHANE.....	16.716	4.468
PROPANE.....	8.554	2.355
ISO-BUTANE.....	1.026	0.336
NOR-BUTANE.....	2.636	0.830
ISO-PENTANE.....	0.672	0.245
NOR-PENTANE.....	0.721	0.261
HEXANES +.....	1.122	0.490
TOTALS	100.000	8.985

H2S PPMV = 10000

'Z' FACTOR (DRY) = 0.9949

'Z' FACTOR (WET) = 0.9945

CALC. MOL. WT. = 24.94

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.8653

REAL, WET 0.8614

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1390

BTU/CF - REAL, WET 1367

DISTRIBUTION AND REMARKS:

N

ANALYZED BY: JT

** R **

~ HE ~

APPROVED:



Facility: BKU CS
Date: 9/4/2021

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	-	0.0
13:00	Malfunction	1.5
14:00	-	0.0
15:00	-	0.0
16:00	Malfunction	695.2
17:00	Malfunction	1,138.6
18:00	Malfunction	1,100.4
19:00	Malfunction	1,079.2
20:00	Malfunction	1,068.9
21:00	Malfunction	609.1
22:00	Malfunction	6.4
23:00	-	0.0

District I1625 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 46486

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 46486
	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	[fAPP2123032650] BKU 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 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.
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 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

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	63
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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 and/or flaring was discovered or commenced	09/04/2021
Time venting and/or flaring was discovered or commenced	01:00 PM
Time venting and/or flaring was terminated	11:00 PM
Cumulative hours during this event	8

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Plant Natural Gas Flared Released: 5,699 Mcf Recovered: 0 Mcf Lost: 5,699 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 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.

Steps and Actions to Prevent Waste

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	The gas plant had to back out inlet gas when the acid gas injection station experienced an Emergency Shutdown due to high H2S coming from a pump. Also, compressor C-118 shutdown due to lubricator failure. Once the AG station issues were resolved, plant brought gas back in, ending field flaring event.
Steps taken to limit the duration and magnitude of venting and/or flaring	Once the AG station issues were resolved, plant brought gas back in, ending field flaring event.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	The gas plant put back up compression online while repairing issues on C-118. High H2S issues were resolved.

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CONDITIONS

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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.	9/5/2021