

MANLEY GAS TESTING, INC.

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

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

CHARGE..... 150 - 0
REC. NO. 5
TEST NUMBER.. 23697

DATE SAMPLED..... 04-09-21
DATE RUN..... 04-21-21
EFFEC. DATE..... 05-01-21

STATION NO. ... 06511003

PRODUCER DURANGO MIDSTREAM

SAMPLE NAME.... LOCO HILLS FLARE GAS

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE 24.0 PSIA

FLOWING TEMPERATURE 64 F

SAMPLED BY: DD

CYLINDER NO. ...

FRACTIONAL ANALYSIS CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.400	
NITROGEN.....	1.907	
CARBON DIOXIDE.....	0.729	
METHANE.....	72.984	
ETHANE.....	13.004	3.473
PROPANE.....	6.215	1.709
ISO-BUTANE.....	0.763	0.249
NOR-BUTANE.....	1.861	0.585
ISO-PENTANE.....	0.468	0.171
NOR-PENTANE.....	0.480	0.174
HEXANES +.....	1.189	0.518
TOTALS	100.000	6.879

H2S PPMV = 4000

'Z' FACTOR (DRY) = 0.9958
'Z' FACTOR (WET) = 0.9954

CALC. MOL. WT. = 22.66

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.7856

REAL, WET 0.7831

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1309

BTU/CF - REAL, WET 1287

DISTRIBUTION AND REMARKS:

J

ANALYZED BY: JT

* R **
HE ~

APPROVED:





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 43471

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 43471
	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	[fAPP2123032733] Loco Hills 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 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	No
Is this considered a submission for a notification of a major venting and/or flaring	Yes, minor 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

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	73
Nitrogen (N2) percentage, if greater than one percent	2
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.

Date(s) and Time(s)	
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	02:00 AM
Cumulative hours during this event	2

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 Released: 168 Mcf Recovered: 0 Mcf Lost: 168 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	Maljamar Plant went sour overnight at 10:30 pm causing TW & GCNM 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.
Steps taken to limit the duration and magnitude of venting and/or flaring	Plant operations were able to resolve the treating issue and restart deliveries to TW & GCNM at 12:30 am.
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. brought gas back in to plant, ending flaring in the field.

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CONDITIONS
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Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 43471
	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.	8/20/2021