

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. 6
TEST NUMBER.. 24896DATE SAMPLED..... 04-18-22
DATE RUN..... 04-21-22
EFFEC. DATE..... 05-01-22

STATION NO. ... 06511002

PRODUCER DMS

SAMPLE NAME.... BKU COMPRESSOR FLARE GAS

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE 28.0 PSIA FLOWING TEMPERATURE 64 F

SAMPLED BY: DD

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.800	
NITROGEN.....	1.578	
CARBON DIOXIDE.....	1.775	
METHANE.....	64.702	
ETHANE.....	16.538	4.420
PROPANE.....	8.614	2.372
ISO-BUTANE.....	1.005	0.329
NOR-BUTANE.....	2.542	0.801
ISO-PENTANE.....	0.636	0.232
NOR-PENTANE.....	0.684	0.248
HEXANES +.....	1.126	0.492
TOTALS	100.000	8.894

H2S PPMV = 8000

'Z' FACTOR (DRY) = 0.9950

'Z' FACTOR (WET) = 0.9946

CALC. MOL. WT. = 24.71

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.8571

REAL, WET 0.8534

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1392

BTU/CF - REAL, WET 1368

DISTRIBUTION AND REMARKS:

N

ANALYZED BY: CM

** R **

~ HE ~

APPROVED: 

Indicate Event Type Flare Event Type (1=SSM, 2=Emerg, 3=
Data Entry - New Mexico Flaring - Flare Event Indicators

Report Run Date:

Date	EDDY, NM > BKU CS > n. FL-1_Flare > Volume of Gas to Flare_Hourly (mscf)	EDDY, NM > Lobo CS > n. 16_Flare > Volume of Gas to Flare_Hourly (mscf)	EDDY, NM > Loco Hills CS > n. FL- 1_Flare > Volume of Gas to Flare_Hourly (mscf)
01/26/2023 12:00 AM	353.210	0.000	361.910
01/26/2023 1:00 AM	225.370	0.000	381.980
01/26/2023 2:00 AM	433.390	92.120	381.980
01/26/2023 3:00 AM	202.900	113.400	381.980
01/26/2023 4:00 AM	239.480	102.670	212.320
01/26/2023 5:00 AM	410.650	124.980	20.390
01/26/2023 6:00 AM	212.040	123.310	181.750
01/26/2023 7:00 AM	176.680	148.160	22.780
01/26/2023 8:00 AM	159.250	225.500	0.000
01/26/2023 9:00 AM	254.400	227.610	0.000
01/26/2023 10:00 AM	374.860	228.040	0.000
01/26/2023 11:00 AM	0.000	221.180	0.000
01/26/2023 12:00 PM	16.150	116.540	0.000
01/26/2023 1:00 PM	6.170	0.000	0.000
01/26/2023 2:00 PM	0.000	0.000	0.000
01/26/2023 3:00 PM	0.000	0.000	0.000
01/26/2023 4:00 PM	0.000	0.000	0.000
01/26/2023 5:00 PM	0.000	0.000	0.000
01/26/2023 6:00 PM	0.000	0.000	0.000
01/26/2023 7:00 PM	0.000	0.000	0.000
01/26/2023 8:00 PM	0.000	0.000	0.000
01/26/2023 9:00 PM	0.000	0.000	0.000
01/26/2023 10:00 PM	0.000	0.000	0.000

Indicate Event Type Flare Event Type (1=SSM, 2=Emerg, 3=
Data Entry - New Mexico Flaring - Flare Event Indicators

Report Run Date:

Date	EDDY, NM > BKU CS > n. FL-1_Flare > Volume of Gas to Flare_Hourly (mscf)	EDDY, NM > Lobo CS > n. 16_Flare > Volume of Gas to Flare_Hourly (mscf)	EDDY, NM > Loco Hills CS > n. FL- 1_Flare > Volume of Gas to Flare_Hourly (mscf)
01/26/2023 11:00 PM	7.410	0.000	0.000

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District II
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District III
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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

DEFINITIONS

Action 180329

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 180329
	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 180329

QUESTIONS

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	Action Number: 180329
	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	Unavailable.
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 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	65
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.

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QUESTIONS, Page 2

Action 180329

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/27/2023
Time vent or flare was discovered or commenced	08:00 AM
Time vent or flare was terminated	11:00 PM
Cumulative hours 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: High Line Pressure Gas Compressor Station Natural Gas Flared Released: 3,072 Mcf Recovered: 0 Mcf Lost: 3,072 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	Gas plant backed gas out to field due to unscheduled maintenance. Compressor stations flared due to unit shutdown related to high suction pressure from backed out gas.
Steps taken to limit the duration and magnitude of vent or flare	Expedience of restarting units helped to reduce flare volumes.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Equipment shutdowns due to high suction pressure occurs to prevent further damage to equipment. Reoccurrence is likely when inlet is pressured up beyond equipment tolerance level.

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ACKNOWLEDGMENTS

Action 180329

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	Action Number: 180329
	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

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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.	1/27/2023