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. 42
TEST NUMBER.. 24696

DATE SAMPLED..... 01-26-22
DATE RUN..... 02-03-22
EFFEC. DATE..... 02-01-22

STATION NO. ... 06511001

PRODUCER ..... DURANGO MIDSTREAM

SAMPLE NAME.... LOBO COMPRESSOR FLARE TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE ..... 514.0 PSIA FLOWING TEMPERATURE ..... 71 F

SAMPLED BY: DD CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.200	
NITROGEN.....	5.432	
CARBON DIOXIDE.....	0.879	
METHANE.....	70.564	
ETHANE.....	12.667	3.381
PROPANE.....	6.285	1.728
ISO-BUTANE.....	0.744	0.243
NOR-BUTANE.....	1.831	0.576
ISO-PENTANE.....	0.530	0.194
NOR-PENTANE.....	0.538	0.195
HEXANES +.....	0.330	0.143
TOTALS	100.000	6.460

H2S PPMV = 2000

'Z' FACTOR (DRY) = 0.9963
'Z' FACTOR (WET) = 0.9959

CALC. MOL. WT. = 22.45

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.7778

REAL, WET 0.7754

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1240

BTU/CF - REAL, WET 1218

DISTRIBUTION AND REMARKS:

N

ANALYZED BY: KC
** R **
~ HE ~

APPROVED:

Indicate Event Type Flare Event Type

Data Entry - New Mexico Flaring - Flare Event I

Report Run Date:

Date	EDDY, NM > Lobo CS > n. 16_Flare > Volume of Gas to Flare_Hourly (mscf)
09/19/2022 12:00 AM	0.000
09/19/2022 1:00 AM	0.000
09/19/2022 2:00 AM	0.000
09/19/2022 3:00 AM	0.000
09/19/2022 4:00 AM	0.000
09/19/2022 5:00 AM	0.000
09/19/2022 6:00 AM	0.000
09/19/2022 7:00 AM	0.000
09/19/2022 8:00 AM	0.000
09/19/2022 9:00 AM	0.000
09/19/2022 10:00 AM	0.000
09/19/2022 11:00 AM	221.250
09/19/2022 12:00 PM	222.860
09/19/2022 1:00 PM	54.710
09/19/2022 2:00 PM	0.000
09/19/2022 3:00 PM	95.850
09/19/2022 4:00 PM	234.410
09/19/2022 5:00 PM	236.090
09/19/2022 6:00 PM	3.750
09/19/2022 7:00 PM	0.000
09/19/2022 8:00 PM	0.000
09/19/2022 9:00 PM	0.000
09/19/2022 10:00 PM	0.000
09/19/2022 11:00 PM	0.000

Indicate Event Type Flare Event Type

Data Entry - New Mexico Flaring - Flare Event I

Report Run Date:

Date	EDDY, NM > Lobo CS > n. 16_Flare > Volume of Gas to Flare_Hourly (mscf)
Total	1,068.920

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District IV
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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

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 144786
	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 144786

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 144786
	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	**[fAPP2123032826] Lobo Compressor Station**

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional 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	No
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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Gas Compressor Station
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	5
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	1
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 144786
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/19/2022
Time vent or flare was discovered or commenced	11:00 AM
Time vent or flare was terminated	06:00 PM
Cumulative hours during this event	7

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: Other | Gas Compressor Station | Natural Gas Flared | Released: 1,069 Mcf | Recovered: 0 Mcf | Lost: 1,069 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 and third party take away shutting plant in. 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

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 144786
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (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

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 144786
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
agroves	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.	9/20/2022