MANLEY GAS TESTING, INC.

P.O. DRAWER 193 ODESSA, TEXAS 79760
OFFICE(432)367-3024 FAX(432)367-1166 E-MAIL: MANLEYGAST@AOL.COM

CHARGE..... 150 - 0
REC. NO. 1
TEST NUMBER.. 28749

DATE SAMPLED..... 04-30-24
DATE RUN..... 05-03-24
EFFEC. DATE..... 05-01-24

STATION NO. ... 06512004

PRODUCER ..... DMS

SAMPLE NAME.... BKU INLET TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE ..... 48.0 PSIA FLOWING TEMPERATURE ..... 69 F

SAMPLED BY: DD CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.400	
NITROGEN.....	2.391	
CARBON DIOXIDE.....	0.943	
METHANE.....	72.807	
ETHANE.....	12.792	3.416
PROPANE.....	6.385	1.756
ISO-BUTANE.....	0.778	0.254
NOR-BUTANE.....	1.867	0.587
ISO-PENTANE.....	0.447	0.164
NOR-PENTANE.....	0.442	0.160
HEXANES +.....	0.748	0.327
TOTALS	100.000	6.664

H2S PPMV = 4000

'Z' FACTOR (DRY) = 0.9960
'Z' FACTOR (WET) = 0.9956

CALC. MOL. WT. = 22.44

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.7776

REAL, WET 0.7752

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1284

BTU/CF - REAL, WET 1263

DISTRIBUTION AND REMARKS:

N

ANALYZED BY: JT
** R **
~ HE ~

APPROVED:

MANLEY GAS TESTING INC.
120 DOCK ROAD - ODESSA, TEXAS-432-367-3024

A SAMPLE OF 06512004 DMS - BKU INLET

CAPILLARY EXTENDED
C-6+ ANALYSIS
(NORMALIZED TO 100%)

PAGE NO. 1

COMPONENT	MOL%	WT%
NEOHEXANE	0.312	0.301
2,3DMC4+CYC5	4.759	3.996
2MPENTANE	11.231	10.836
3MPENTANE	6.289	6.068
N-HEXANE	12.644	12.198
2,2 DMPENTANE	0.117	0.132
MCYCLOPENTANE	8.600	8.103
2,4 DMPENTANE	0.000	0.000
2,2,3 TMBUTANE	0.051	0.058
BENZENE	11.406	9.975
3,3 DMPENTANE	0.000	0.000
CYCLOHEXANE	11.647	10.974
2MHEXANE	1.863	2.090
2,3 DMPENTANE	1.559	1.749
3MHEXANE	2.379	2.669
DIMCYCPENTANES(GROUPED)	3.923	4.314
N-HEPTANE	4.209	4.722
MCYCLOHEXANE	8.200	9.014
2,2DMHEXANE	0.485	0.620
2,3,3TMPENTANE	0.000	0.000
TOLUENE	4.961	5.117
2,3DMHEXANE	0.256	0.328
2M3EPENTANE	0.000	0.000
2MHEPTANE	1.077	1.378
4MHEPTANE	0.000	0.000
3,4DMHEXANE	0.091	0.116
3MHEPTANE	0.463	0.592
TRIMCYCPENTANES(GROUPED)	0.065	0.081
DIMCYCHEXANES(GROUPED)	0.777	0.976
N-OCTANE	0.620	0.793
2,3,5TRIMHEXANE	0.015	0.022
2,2,4TRIMHEXANE	0.038	0.055
2,2DIMHEPTANE	0.006	0.008
2,2,3TRIMHEXANE	0.010	0.015
2,5DIMHEPTANE	0.010	0.014
I-NONANE	0.000	0.000
2,4DIMHEPTANE	0.000	0.000
E-CYCHEXANE	0.174	0.218
3,3DIMHEPTANE	0.090	0.129
2,6DIMHEPTANE	0.000	0.000
E-BENZENE	0.047	0.055
2,3DIMHEPTANE	0.000	0.000
M-XYLENE	0.350	0.416
P-XYLENE	0.000	0.000
3,4DIMHEPTANE	0.055	0.079
3EHEPTANE	0.000	0.000

MANLEY GAS TESTING INC.
120 DOCK ROAD - ODESSA, TEXAS-432-367-3024

A SAMPLE OF 06512004 DMS - BKU INLET

CAPILLARY EXTENDED
C-6+ ANALYSIS
(NORMALIZED TO 100%)

PAGE NO. 2

COMPONENT	MOL%	WT%
4MOCTANE	0.097	0.139
3MOCTANE	0.000	0.000
O-XYLENE	0.040	0.048
IC4CYCPENTANE	0.014	0.019
N-NONANE	0.122	0.175
I-DECANE	0.010	0.016
1E1MCYC6	0.010	0.015
IC3BENZENE	0.034	0.046
2,3DMOCTANE	0.071	0.113
3EOCTANE	0.161	0.257
NC4CYCC6	0.022	0.035
NC3BENZENE	0.039	0.053
M+P E-TOLUENE	0.069	0.093
O-E-TOLUENE	0.042	0.056
2,2DMOCTANE	0.065	0.103
TERTBUTYLBENZENE	0.014	0.020
1,3,5TMBENZENE	0.004	0.006
3,6DMOCTANE	0.007	0.011
IC4BENZENE	0.042	0.063
N-DECANE	0.038	0.060
UNKNOWN C-6'S	0.000	0.000
UNKNOWN C-7'S	0.000	0.000
UNKNOWN C-8'S	0.015	0.019
UNKNOWN C-9'S	0.297	0.427
UNK C10'S THRU C14'S	0.008	0.015
UNK C15'S THRU C16'S	0.000	0.000
UNK C17'S THRU C20'S	0.000	0.000
TOTAL	100.000	100.000

COMPONENT GROUPINGS (PARAFFINS-NAPTHENES-AROMATICS)

	MOL%	WT%
TOTAL C-6'S	66.888	62.451
TOTAL C-7'S	27.262	29.865
TOTAL C-8'S	4.460	5.640
TOTAL C-9'S	0.952	1.351
TOTAL C-10'S	0.430	0.678
TOTAL C-11 THRU C-14	0.008	0.015
TOTAL C-15 THRU C-16	0.000	0.000
TOTAL C-17 THRU C-20	0.000	0.000
TOTAL	100.000	100.000

* C6+ CHARACTERIZATION

MOL.WEIGHT = 89.320
SP.GRAVITY = 3.0840
BTU/FT3(DRY) = 4746.789
BTU/FT3(WET) = 4665.072
CU.FT./GAL = 26.214
GAL/CU.FT. = 0.038147
MOL% C6+ AROMATICS = 17.048

Indicate Event Type Flare Event Type (1=SSM, 2=Emerg, 3=Malf, 4=Excess)

Data Entry - New Mexico Flaring - Flare Event Indicators

Report Run Date:

Date	NM-EDDY > BKU CS > n. FL-1_Flare > Volume of Gas to Flare_Hourly (mscf)
09/16/2025 12:00 AM	629.088
09/16/2025 1:00 AM	629.917
09/16/2025 2:00 AM	617.610
09/16/2025 3:00 AM	608.108
09/16/2025 4:00 AM	614.988
09/16/2025 5:00 AM	624.543
09/16/2025 6:00 AM	634.440
09/16/2025 7:00 AM	650.423
09/16/2025 8:00 AM	9.061
09/16/2025 9:00 AM	1.080
09/16/2025 10:00 AM	0.231
09/16/2025 11:00 AM	0.399
09/16/2025 12:00 PM	2.868
09/16/2025 1:00 PM	3.691
09/16/2025 2:00 PM	14.746
09/16/2025 3:00 PM	0.061
09/16/2025 4:00 PM	0.000
09/16/2025 5:00 PM	2.765
09/16/2025 6:00 PM	0.000
09/16/2025 7:00 PM	0.939
09/16/2025 8:00 PM	0.000
09/16/2025 9:00 PM	0.000
09/16/2025 10:00 PM	0.000
09/16/2025 11:00 PM	0.000
	5,041.255

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507363
	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 507363

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507363
	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	**[fAPP2123229442] Frontier Field Services Gathering System**

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	No
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 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	73
Nitrogen (N2) percentage, if greater than one percent	2
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 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507363
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/16/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	03:00 PM
Cumulative hours during this event	15

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: High Line Pressure | Pipeline (Any) | Natural Gas Flared | Released: 5,041 Mcf | Recovered: 0 Mcf | Lost: 5,041 Mcf.
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	High inlet pressure forcing station to flare for safety reasons.
Steps taken to limit the duration and magnitude of vent or flare	Resumed normal operations once pressures were safe to do so
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Resumed normal operations once pressures were safe to do so. High pressures result in flaring for safety reasons. Recurrence likely when pressures are high.

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ACKNOWLEDGMENTS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507363
	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

Action 507363

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507363
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
sorozco	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.	9/18/2025