

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.: 1
TEST NUMBER.. 28749DATE 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

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-NAPHTHENES-AROMATICS)

	MOL%	WT%	* C6+ CHARACTERIZATION
TOTAL C-6'S	66.888	62.451	MOL.WEIGHT = 89.320
TOTAL C-7'S	27.262	29.865	SP.GRAVITY = 3.0840
TOTAL C-8'S	4.460	5.640	BTU/FT3(DRY) = 4746.789
TOTAL C-9'S	0.952	1.351	BTU/FT3(WET) = 4665.072
TOTAL C-10'S	0.430	0.678	CU.FT./GAL = 26.214
TOTAL C-11 THRU C-14	0.008	0.015	GAL/CU.FT. = 0.038147
TOTAL C-15 THRU C-16	0.000	0.000	MOL% C6+ AROMATICS = 17.048
TOTAL C-17 THRU C-20	0.000	0.000	
TOTAL	100.000	100.000	

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	EDDY, NM > BKU CS > n. FL-1_Flare > Volume of Gas to Flare_Hourly
05/15/2025 12:00 AM	10.855
05/15/2025 1:00 AM	25.772
05/15/2025 2:00 AM	8.653
05/15/2025 3:00 AM	8.320
05/15/2025 4:00 AM	0.000
05/15/2025 5:00 AM	0.000
05/15/2025 6:00 AM	0.000
05/15/2025 7:00 AM	0.000
05/15/2025 8:00 AM	1.265
05/15/2025 9:00 AM	12.231
05/15/2025 10:00 AM	141.712
05/15/2025 11:00 AM	158.476
05/15/2025 12:00 PM	107.280
05/15/2025 1:00 PM	7.309
05/15/2025 2:00 PM	73.315
05/15/2025 3:00 PM	0.014
05/15/2025 4:00 PM	0.000
05/15/2025 5:00 PM	0.000
05/15/2025 6:00 PM	0.000
05/15/2025 7:00 PM	0.000
05/15/2025 8:00 PM	0.000
05/15/2025 9:00 PM	0.000
05/15/2025 10:00 PM	0.000
05/15/2025 11:00 PM	0.000
501.603	

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 464086

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 464086
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 464086

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 464086
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fAPP2123229442] Frontier Field Services Gathering System
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.	

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 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 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 <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
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.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 464086

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 464086
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/15/2025
Time vent or flare was discovered or commenced	08:00 AM
Time vent or flare was terminated	03:00 PM
Cumulative hours during this event	8

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: High Line Pressure Pipeline (Any) Natural Gas Flared Released: 502 Mcf Recovered: 0 Mcf Lost: 502 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	
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.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 464086

ACKNOWLEDGMENTS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 464086
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

☒	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
☒	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
☒	I hereby certify the statements in this amending 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.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 464086

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 464086
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
sorozco	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	5/16/2025