

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. 7
TEST NUMBER.. 52039

DATE SAMPLED..... 11-16-22
DATE RUN..... 11-18-22
EFFEC. DATE..... 12-01-22

STATION NO. ... 633041

PRODUCER DURANGO MIDSTREAM

SAMPLE NAME.... COYOTE INLET

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE 71.2 PSIA

FLOWING TEMPERATURE 64 F

SAMPLED BY: FT

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	1.200	
NITROGEN.....	2.054	
CARBON DIOXIDE.....	1.298	
METHANE.....	69.531	
ETHANE.....	14.248	3.805
PROPANE.....	7.095	1.952
ISO-BUTANE.....	0.862	0.281
NOR-BUTANE.....	2.035	0.641
ISO-PENTANE.....	0.473	0.173
NOR-PENTANE.....	0.459	0.166
HEXANES +.....	0.745	0.325
TOTALS	100.000	7.343

H2S PPMV = 12000

'Z' FACTOR (DRY) = 0.9957
'Z' FACTOR (WET) = 0.9953

CALC. MOL. WT. = 23.17

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.8032

REAL, WET 0.8004

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1305

BTU/CF - REAL, WET 1282

DISTRIBUTION AND REMARKS:

N

ANALYZED BY: JT
** R **

APPROVED: 

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

A SAMPLE OF 633041 DMS - COYOTE INLET 11-16-22

=====

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

=====

PAGE NO. 1

COMPONENT -----	MOL%	WT%
-----	----	----
NEOHEXANE	0.204	0.175
2,3DMC4+CYC5	2.823	2.099
2MPENTANE	6.421	5.486
3MPENTANE	3.512	3.001
N-HEXANE	7.188	6.145
2,2 DMPENTANE	0.072	0.072
MCYCLOPENTANE	5.210	4.348
2,4 DMPENTANE	0.000	0.000
2,2,3 TMBUTANE	0.014	0.013
BENZENE	8.955	6.936
3,3 DMPENTANE	0.012	0.012
CYCLOHEXANE	8.034	6.704
2MHEXANE	0.978	0.972
2,3 DMPENTANE	0.759	0.754
3MHEXANE	1.298	1.290
DIMCYCPENTANES (GROUPED)	2.379	2.315
N-HEPTANE	2.655	2.638
MCYCLOHEXANE	6.455	6.284
2,2DMHEXANE	0.748	0.847
2,3,3TMPENTANE	0.000	0.000
TOLUENE	9.079	8.295
2,3DMHEXANE	0.343	0.388
2M3EPENTANE	0.000	0.000
2MHEPTANE	2.014	2.281
4MHEPTANE	0.000	0.000
3,4DMHEXANE	0.154	0.174
3MHEPTANE	0.919	1.041
TRIMCYCPENTANES (GROUPED)	0.154	0.171
DIMCYCHEXANES (GROUPED)	1.784	1.985
N-OCTANE	1.536	1.740
2,3,5TRIMHEXANE	0.062	0.079
2,2,4TRIMHEXANE	0.195	0.248
2,2DIMHEPTANE	0.030	0.038
2,2,3TRIMHEXANE	0.056	0.072
2,5DIMHEPTANE	0.000	0.000
I-NONANE	0.000	0.000
2,4DIMHEPTANE	0.000	0.000
E-CYCHEXANE	1.100	1.224
3,3DIMHEPTANE	0.533	0.678
2,6DIMHEPTANE	0.000	0.000
E-BENZENE	0.263	0.276
2,3DIMHEPTANE	0.000	0.000
M-XYLENE	2.054	2.162
P-XYLENE	0.431	0.453
3,4DIMHEPTANE	0.399	0.507
3EHEPTANE	0.084	0.107

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

A SAMPLE OF 633041 DMS - COYOTE INLET 11-16-22

=====

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

=====

PAGE NO. 2

COMPONENT	MOL%	WT%
4MOCTANE	0.778	0.989
3MOCTANE	0.000	0.000
O-XYLENE	0.543	0.572
IC4CYCPENTANE	0.000	0.000
N-NONANE	1.267	1.612
I-DECANE	0.154	0.217
1E1MCYC6	0.225	0.281
IC3BENZENE	0.699	0.833
2,3DMOCTANE	1.723	2.431
3EOCTANE	4.275	6.032
NC4CYCC6	0.000	0.000
NC3BENZENE	1.201	1.431
M+P E-TOLUENE	1.680	2.002
O-E-TOLUENE	1.092	1.302
2,2DMOCTANE	2.493	3.517
TERTBUTYLBENZENE	0.241	0.321
1,3,5TMBENZENE	0.025	0.029
3,6DMOCTANE	0.061	0.086
IC4BENZENE	1.277	1.700
N-DECANE	1.103	1.556
UNKNOWN C-6'S	0.000	0.000
UNKNOWN C-7'S	0.000	0.000
UNKNOWN C-8'S	0.031	0.035
UNKNOWN C-9'S	1.708	2.171
UNK C10'S THRU C14'S	0.517	0.873
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%	* C6+ CHARACTERIZATION
TOTAL C-6'S	42.347	34.894	MOL.WEIGHT = 100.855
TOTAL C-7'S	23.701	22.645	SP.GRAVITY = 3.4823
TOTAL C-8'S	12.074	13.349	BTU/FT3(DRY) = 5316.145
TOTAL C-9'S	10.034	12.379	BTU/FT3(WET) = 5224.522
TOTAL C-10'S	11.327	15.860	CU.FT./GAL = 23.856
TOTAL C-11 THRU C-14	0.517	0.873	GAL/CU.FT. = 0.041918
TOTAL C-15 THRU C-16	0.000	0.000	MOL% C6+ AROMATICS = 27.540
TOTAL C-17 THRU C-20	0.000	0.000	
TOTAL	100.000	100.000	

=====

<u>ASSET</u>	<u>EQUIPMENT</u>	<u>Date Discovered</u>	<u>Approximate Time Discovered</u>	<u>Date Leak Stopped</u>	<u>Approximate Time Leak Stopped</u>	<u>Est Leak Rate MCFD</u>	<u>Minutes Leaking</u>	<u>Estimated Vol</u>
Coyote	Compressor Unit	2/27/2024	7:50	2/27/2024	11:30	840	220	128.33
BKU	Compressor Unit	2/28/2024	8:30	2/28/2024	12:30	554	240	92.33
Kemnitz	Tank	2/28/2024	8:30	2/28/2024	14:30	1389	360	347.25
N. Penn	Tanks	2/28/2024	8:00	3/6/2024	14:30	136	10470	988.83

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

DEFINITIONS

Action 321199

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321199
	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.

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 321199

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321199
	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	Unavailable.
Incident Facility	[fAPP2123229442] Frontier Field Services Gathering System

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	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, 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 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	70
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	0
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.

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, Page 2

Action 321199

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321199
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/07/2024
Time vent or flare was discovered or commenced	12:00 PM
Time vent or flare was terminated	11:30 PM
Cumulative hours during this event	4

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Vented Released: 128 Mcf Recovered: 0 Mcf Lost: 128 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
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	Fuel regulator malfunctioned and overpressured caused Unit 2 PSV to relieve.
Steps taken to limit the duration and magnitude of vent or flare	once notified of leak, operator responded, shut down equipment and repaired issue
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	once notified of leak, operator responded, shut down equipment and repaired issue

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

ACKNOWLEDGMENTS

Action 321199

ACKNOWLEDGMENTS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321199
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.

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

CONDITIONS

Action 321199

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 321199
	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.	3/7/2024