

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. 0
TEST NUMBER.. 25466DATE SAMPLED..... 10-28-22
DATE RUN..... 11-03-22
EFFECT. DATE..... 11-01-22

STATION NO. ...

PRODUCER DURANGO MIDSTREAM

SAMPLE NAME.... SKELLY INLET

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE 19.0 PSIA

FLOWING TEMPERATURE 63 F

SAMPLED BY: DD

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.400	
NITROGEN.....	4.968	
CARBON DIOXIDE.....	1.812	
METHANE.....	67.539	
ETHANE.....	13.422	3.584
PROPANE.....	6.738	1.854
ISO-BUTANE.....	0.814	0.266
NOR-BUTANE.....	2.006	0.632
ISO-PENTANE.....	0.549	0.201
NOR-PENTANE.....	0.592	0.214
HEXANES +.....	1.160	0.505
TOTALS	100.000	7.256

H2S PPMV = 4000

'Z' FACTOR (DRY) = 0.9957

'Z' FACTOR (WET) = 0.9953

CALC. MOL. WT. = 23.71

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.8219

REAL, WET 0.8188

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1288

BTU/CF - REAL, WET 1266

DISTRIBUTION AND REMARKS:

N

ANALYZED BY: JT

APPROVED: 

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

A SAMPLE OF SKELLY INLET 10-31-22

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

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PAGE NO. 1

COMPONENT	MOL%	WT%
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NEOHEXANE	0.331	0.315
2,3DMC4+CYC5	6.059	5.022
2MPENTANE	13.527	12.884
3MPENTANE	8.350	7.954
N-HEXANE	17.373	16.553
2,2 DMPENTANE	0.143	0.159
MCYCLOPENTANE	12.537	11.662
2,4 DMPENTANE	0.000	0.000
2,2,3 TMBUTANE	0.032	0.035
BENZENE	3.993	3.448
3,3 DMPENTANE	0.026	0.029
CYCLOHEXANE	6.873	6.394
2MHEXANE	1.271	1.408
2,3 DMPENTANE	1.107	1.226
3MHEXANE	1.710	1.894
DIMCYCPENTANES(GROUPED)	3.938	4.273
N-HEPTANE	3.581	3.966
MCYCLOHEXANE	5.833	6.330
2,2DMHEXANE	0.578	0.730
2,3,3TMPENTANE	0.000	0.000
TOLUENE	4.653	4.739
2,3DMHEXANE	0.085	0.108
2M3EPENTANE	0.045	0.056
2MHEPTANE	1.211	1.529
4MHEPTANE	0.077	0.097
3,4DMHEXANE	0.000	0.000
3MHEPTANE	0.560	0.708
TRIMCYCPENTANES(GROUPED)	0.138	0.171
DIMCYCHEXANES(GROUPED)	0.838	1.039
N-OCTANE	1.016	1.282
2,3,5TRIMHEXANE	0.066	0.094
2,2,4TRIMHEXANE	0.111	0.157
2,2DIMHEPTANE	0.025	0.035
2,2,3TRIMHEXANE	0.050	0.070
2,5DIMHEPTANE	0.045	0.064
I-NONANE	0.011	0.015
2,4DIMHEPTANE	0.050	0.071
E-CYCHEXANE	0.013	0.016
3,3DIMHEPTANE	0.008	0.012
2,6DIMHEPTANE	0.014	0.019
E-BENZENE	0.047	0.055
2,3DIMHEPTANE	0.000	0.000
M-XYLENE	0.199	0.233
P-XYLENE	0.060	0.070
3,4DIMHEPTANE	0.054	0.076
3EHEPTANE	0.000	0.000

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120 DOCK ROAD - ODESSA, TEXAS-432-367-3024

A SAMPLE OF SKELLY INLET 10-31-22

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

PAGE NO. 2

COMPONENT	MOL%	WT%
4MOCTANE	0.101	0.143
3MOCTANE	0.038	0.053
O-XYLENE	0.044	0.051
IC4CYCPENTANE	0.025	0.035
N-NONANE	0.180	0.255
I-DECANE	0.585	0.920
1E1MCYC6	0.038	0.052
IC3BENZENE	0.087	0.115
2,3DMOCTANE	0.254	0.400
3EOCTANE	0.655	1.030
NC4CYCC6	0.122	0.189
NC3BENZENE	0.122	0.163
M+P E-TOLUENE	0.250	0.332
O-E-TOLUENE	0.204	0.271
2,2DMOCTANE	0.172	0.271
TERTBUTYLBENZENE	0.008	0.012
1,3,5TMBENZENE	0.008	0.010
3,6DMOCTANE	0.000	0.000
IC4BENZENE	0.063	0.093
N-DECANE	0.053	0.083
UNKNOWN C-6'S	0.000	0.000
UNKNOWN C-7'S	0.000	0.000
UNKNOWN C-8'S	0.024	0.030
UNKNOWN C-9'S	0.273	0.389
UNK C10'S THRU C14'S	0.056	0.105
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	69.043	64.232	MOL.WEIGHT = 90.473
TOTAL C-7'S	22.294	24.059	SP.GRAVITY = 3.1238
TOTAL C-8'S	4.935	6.175	BTU/FT3(DRY) = 4851.219
TOTAL C-9'S	1.760	2.431	BTU/FT3(WET) = 4767.684
TOTAL C-10'S	1.912	2.998	CU.FT./GAL = 25.370
TOTAL C-11 THRU C-14	0.056	0.105	GAL/CU.FT. = 0.039417
TOTAL C-15 THRU C-16	0.000	0.000	MOL% C6+ AROMATICS = 9.738
TOTAL C-17 THRU C-20	0.000	0.000	
TOTAL	100.000	100.000	



Release Event Report

Date of Report:

08/29/23

Time of Report:

10:30 PM

Durango Midstream Entity:

Frontier Field Services, LLC

Durango Midstream Facility:

MAL-Chaves Inlet 8" Steel Line

Gathering System ID:

MAL-71540

Release Information

Release Event Type:

Leak - Pipeline Release

If Release Type = Air Emission Event - Please Choose:

Emergency

Comments:

Liquids & Natural-H2S Gas Release.

NMOC Ticket:

23AG290234

Media Impacted by Release:

Soil

Event Start Date:

08/29/23

Event Start Time:

1:00 PM

Event End Date:

08/29/23

Event End Time:

3:00 PM

Material Released

Gas	Field Gas - Sour	138.29	MSCF	Estimated Quantity
If other - Specify				

Latitude of Spill or Release: (Decimal)

N33.0029673°

Longitude of Spill or Release: (Decimal)

W103.9815814°

Name of Person Reporting Event:

John Lopez

Cause of the Event:

Internal & External Corrosion.

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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

Action 260613

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 260613
	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 260613

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 260613
	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 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	No
Is this considered a submission for a vent or flare event	Yes, minor 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	70
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (C02) 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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 260613

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 260613
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/31/2023
Time vent or flare was discovered or commenced	01:00 PM
Time vent or flare was terminated	03:00 PM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 138 Mcf Recovered: 0 Mcf Lost: 138 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	line corrosion from sour gas will happen, operators cannot always predict where the leak will be.
Steps taken to limit the duration and magnitude of vent or flare	clamped line, blew down, and repaired
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	line corrosion on a sour gas line will happen. FFS does routine monitoring and proactively replaces lines as needed.

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ACKNOWLEDGMENTS

Action 260613

ACKNOWLEDGMENTS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 260613
	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

Action 260613

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Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 260613
	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.	8/31/2023