



Certificate of Analysis

Number: 6030-21110023-001A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

Nov. 01, 2021

Station Name: #1 Inlet
 Station Number: 633000
 Station Location: FFS
 Instrument: 6030_GC2 (Agilent GC-7890B)
 Last Inst. Cal.: 09/13/2021 14:54 PM
 Analyzed: 11/01/2021 16:00:14 by KJM

Sampled By: Z
 Sample Of: Gas Spot
 Sample Date: 11/01/2021
 Sample Conditions: 37.1 psig, @ 81.6 °F
 Effective Date: 11/01/2021
 Method: GPA 2286

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia		
Hydrogen Sulfide	0.000	0.80000	1.129		GPM TOTAL C2+	8.183
Nitrogen	1.732	1.69600	1.968		GPM TOTAL C3+	4.263
Methane	69.469	68.00900	45.186		GPM TOTAL iC5+	1.076
Carbon Dioxide	0.989	0.96800	1.764			
Ethane	14.985	14.67000	18.269	3.920		
Propane	7.776	7.61300	13.903	2.095		
Iso-butane	1.027	1.00500	2.419	0.329		
n-Butane	2.474	2.42200	5.830	0.763		
Iso-pentane	0.791	0.77400	2.313	0.283		
n-Pentane	0.753	0.73700	2.202	0.267		
Hexanes Plus	1.334	1.30600	5.017	0.526		
	101.330	100.00000	100.000	8.183		

Calculated Physical Properties

Relative Density Real Gas	Total	C6+
	0.8373	3.1966
Calculated Molecular Weight	24.15	92.58
Compressibility Factor	0.9953	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.65 psia & 60°F

Real Gas Dry BTU	1382	4926
Water Sat. Gas Base BTU	1358	4839
Ideal, Gross HV - Dry at 14.65 psia	1375.6	4925.7
Ideal, Gross HV - Wet	1351.5	0.000

Comments: H2S Field Content 0.8 %

Data reviewed by: Krystle Fitzwater, Laboratory Manager

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



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Phone 575-746-3481

Station Name: #1 Inlet
 Station Number: 633000
 Station Location: FFS
 Analyzed: 11/01/2021 16:13:44 by KJM

Nov. 01, 2021
 Sampled By: Z
 Sample Of: Gas Spot
 Sample Date: 11/01/2021
 Sample Conditions: 37.1 psig, @ 81.6 °F
 Method: GPA 2286

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia
Hydrogen Sulfide	0.800	1.129	
Nitrogen	1.696	1.968	
Methane	68.009	45.186	
Carbon Dioxide	0.968	1.764	
Ethane	14.670	18.269	3.920
Propane	7.613	13.903	2.095
Iso-Butane	1.005	2.419	0.329
n-Butane	2.422	5.830	0.763
Iso-Pentane	0.774	2.313	0.283
n-Pentane	0.737	2.202	0.267
i-Hexanes	0.286	0.994	0.114
n-Hexane	0.165	0.573	0.067
Benzene	0.095	0.306	0.027
Cyclohexane	0.138	0.477	0.047
i-Heptanes	0.221	0.852	0.089
n-Heptane	0.053	0.220	0.025
Toluene	0.068	0.253	0.022
i-Octanes	0.169	0.741	0.076
n-Octane	0.016	0.077	0.008
Ethylbenzene	0.010	0.042	0.004
Xylenes	0.019	0.088	0.008
i-Nonanes	0.033	0.185	0.018
n-Nonane	0.010	0.050	0.005
Decanes Plus	0.023	0.159	0.016
	100.000	100.000	8.183

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	24.15	149.51
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1382.1	8019.1
Water Sat. Gas Base BTU	1357.9	7841.5
Relative Density Real Gas	0.8373	5.1622
Compressibility Factor	0.9953	
Ideal, Gross HV - Wet	1351.5	
Ideal, Gross HV - Dry at 14.65 psia	1375.6	
Net BTU Dry Gas - real gas	1258	
Net BTU Wet Gas - real gas	1236	

Comments: H₂S Field Content 0.8 %

Data reviewed by: Krystle Fitzwater, Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



Release Event Report

Date of Report:

Time of Report:

Durango Midstream Entity:

Durango Midstream Facility:

Gathering System ID:

03/31/22

1:30 p.m.

Frontier Field Services, LLC

Yates 12" Steel FID642

North Pen

Release Information

Release Event Type:

If Release Type = Air Emission Event - Please Choose:

Leak - Pipeline Release

Malfunction

Comments:

Natural-H2S Gas and liquids Release.

NMOC Ticket:

Media Impacted by Release:

Date of Release Discovery:

Time of Release Discovery:

Event Start Date:

Event Start Time:

Event End Date:

Event End Time:

Air

03/31/22

2:30 p.m.

03/31/22

2:30 p.m.

03/31/22

3:30 p.m.

Material Released:

If other - Specify

Field Gas

Field Gas

Estimated Quantity of Material Released (Gas & Liquid):

Estimated Quantity of Material Recovered:

Were any Materials Released Off-site?

Is the Release Event Reportable?

Agency Name Release Reported to:

Does the Release Require Remediation?

Latitude of Spill or Release: (Decimal)

Longitude of Spill or Release: (Decimal)

Name of Person Reporting Event:

< 5

BBL

51.06

MSCF

0

BBL

MSCF

No

No

Yes

32.582913

-104.547757

Chad Frost

Cause of the Event:

Internal Corrosion.

Actions Taken to Correct Release Event:

In line block valve shut. Leak is isolated. (Dead leg)

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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 98631

DEFINITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 98631
	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: <ul style="list-style-type: none">• 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 98631

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 98631
	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	Not answered.
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 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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	68
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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.

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QUESTIONS, Page 2

Action 98631

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 98631
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/31/2022
Time vent or flare was discovered or commenced	02:30 PM
Time vent or flare was terminated	03:30 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Flared Released: 51 Mcf Recovered: 0 Mcf Lost: 51 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.	False
Please explain reason for why this event was beyond this operator's control	Not answered.
Steps taken to limit the duration and magnitude of vent or flare	Internal corrosion on pipeline. Isolated the leak
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	In line block valve shutdown and isolated the leak.

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ACKNOWLEDGMENTS

Action 98631

ACKNOWLEDGMENTS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 98631
	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.

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CONDITIONS

Action 98631

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 98631
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
aakhgar	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.	4/14/2022