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C6+ Gas Analysis Report

Sample Point Code	Sample Point Name	Sample Point Location
13667G	Golden Tee 301	Golden Tee 301

Source Laboratory	Lab File No	Container Identity	Sampler
Laboratory Services	2022051623	0889	B Longoria - Spot

District	Area Name	Field Name	Facility Name
USA	USA	USA	New Mexico

Date Sampled	Date Effective	Date Received	Date Reported
Feb 23, 2022	Feb 23, 2022	Feb 24, 2022 08:06	Feb 24, 2022

Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
		System Administrator	@ 73

Operator	Lab Source Description
Innospec	Avant

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.1800	0.18	
Nitrogen (N2)	2.7180	2.723	
CO2 (CO2)	12.6440	12.667	
Methane (C1)	66.1500	66.267	
Ethane (C2)	8.9210	8.937	2.3850
Propane (C3)	4.7520	4.761	1.3090
I-Butane (IC4)	0.6020	0.603	0.1970
N-Butane (NC4)	1.4940	1.497	0.4710
I-Pentane (IC5)	0.4280	0.429	0.1560
N-Pentane (NC5)	0.4340	0.435	0.1570
Hexanes Plus (C6+)	1.6770	1.68	0.7280
TOTAL	100.0000	100.1790	5.4030

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information

Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Jan 24, 2022

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,139.6	1,121.1	1,142.2	1,123.7

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.8728	0.8694

Molecular Weight
25.1803

C6+ Group Properties

Assumed Composition

C6 - 60.000% C7 - 30.000% C8 - 10.000%

Field H2S
1800 PPM

PROTREND STATUS:
Passed By Validator on Feb 25, 2022

DATA SOURCE:
Imported

PASSED BY VALIDATOR REASON:
First sample taken @ this point, composition looks reasonable

VALIDATOR:
Luis Cano

VALIDATOR COMMENTS:
ok

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C6+ Gas Analysis Report

13670G	Golden Tee 501	Golden Tee 501
Sample Point Code	Sample Point Name	Sample Point Location

Laboratory Services	2022051626	1348	B Longoria - Spot
Source Laboratory	Lab File No	Container Identity	Sampler

USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name

Feb 23, 2022	Feb 23, 2022	Feb 24, 2022 08:30	Feb 24, 2022
Date Sampled	Date Effective	Date Received	Date Reported

		System Administrator	@ 23
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions

Innospec	Avant
Operator	Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0010	0.001	
Nitrogen (N2)	1.3970	1.397	
CO2 (CO2)	2.7870	2.787	
Methane (C1)	72.9150	72.916	
Ethane (C2)	9.4690	9.469	2.5320
Propane (C3)	5.4330	5.433	1.4960
I-Butane (IC4)	0.8590	0.859	0.2810
N-Butane (NC4)	1.9970	1.997	0.6290
I-Pentane (IC5)	0.7530	0.753	0.2750
N-Pentane (NC5)	0.7240	0.724	0.2620
Hexanes Plus (C6+)	3.6650	3.665	1.5900
TOTAL	100.0000	100.0010	7.0650

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information

Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Jan 24, 2022

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,385.8	1,363.1	1,389.0000	1,366.3

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.8567	0.8527

Molecular Weight
24.6995

C6+ Group Properties

Assumed Composition

C6 - 60.000% C7 - 30.000% C8 - 10.000%

Field H2S
10 PPM

PROTREND STATUS:
Passed By Validator on Feb 25, 2022

DATA SOURCE:
Imported

PASSED BY VALIDATOR REASON:
First sample taken @ this point, composition looks reasonable

VALIDATOR:
Luis Cano

VALIDATOR COMMENTS:
ok

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C6+ Gas Analysis Report

Sample Point Code	Sample Point Name	Sample Point Location
13669G	Golden Tee 502	Golden Tee 502

Source Laboratory	Lab File No	Container Identity	Sampler
Laboratory Services	2022051625	1495	B Longoria - Spot

District	Area Name	Field Name	Facility Name
USA	USA	USA	New Mexico

Date Sampled	Date Effective	Date Received	Date Reported
Feb 23, 2022	Feb 23, 2022	Feb 24, 2022 08:28	Feb 24, 2022

Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
		Luis	@ 23

Operator	Lab Source Description
Innospec	Avant

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0010	0.001	
Nitrogen (N2)	1.4750	1.47551	
CO2 (CO2)	3.2840	3.28381	
Methane (C1)	76.3210	76.32292	
Ethane (C2)	9.4980	9.49804	2.5390
Propane (C3)	4.8900	4.89013	1.3470
I-Butane (IC4)	0.7230	0.72264	0.2370
N-Butane (NC4)	1.5430	1.54254	0.4860
I-Pentane (IC5)	0.5220	0.52154	0.1910
N-Pentane (NC5)	0.4330	0.43286	0.1570
Hexanes Plus (C6+)	1.3100	1.31001	0.5680
TOTAL	100.0000	100.0010	5.5250

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information

Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Jan 24, 2022

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,245.7	1,225.3	1,248.6	1,228.1

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.7742	0.7715

Molecular Weight
22.3417

C6+ Group Properties

Assumed Composition

C6 - 60.000% C7 - 30.000% C8 - 10.000%

Field H2S
10 PPM

PROTREND STATUS:
Passed By Validator on Feb 25, 2022

DATA SOURCE:
Imported

PASSED BY VALIDATOR REASON:
First sample taken @ this point, composition looks reasonable

VALIDATOR:
Luis Cano

VALIDATOR COMMENTS:
ok

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C6+ Gas Analysis Report

Sample Point Code	Sample Point Name	Sample Point Location
13668G	Golden Tee 302	Golden Tee 302

Source Laboratory	Lab File No	Container Identity	Sampler
Laboratory Services	2022051690	0234	B Longoria - Spot

District	Area Name	Field Name	Facility Name
USA	USA	USA	New Mexico

Date Sampled	Date Effective	Date Received	Date Reported
Feb 25, 2022	Feb 25, 2022	Feb 28, 2022 09:09	Feb 28, 2022

Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
		System Administrator	@ 45

Operator	Lab Source Description
Innospec	Avant

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.1300	0.13	
Nitrogen (N2)	2.1540	2.157	
CO2 (CO2)	12.0270	12.043	
Methane (C1)	64.9880	65.073	
Ethane (C2)	10.2360	10.25	2.7370
Propane (C3)	5.7370	5.745	1.5800
I-Butane (IC4)	0.7350	0.736	0.2400
N-Butane (NC4)	1.8670	1.869	0.5880
I-Pentane (IC5)	0.5360	0.537	0.1960
N-Pentane (NC5)	0.5280	0.529	0.1910
Hexanes Plus (C6+)	1.0620	1.063	0.4610
TOTAL	100.0000	100.1320	5.9930

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information

Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Jan 24, 2022

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,168.7	1,149.7	1,171.4	1,152.4

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.8752	0.8717

Molecular Weight
25.2437

C6+ Group Properties

Assumed Composition

C6 - 60.000% C7 - 30.000% C8 - 10.000%

Field H2S
1300 PPM

PROTREND STATUS:
Passed By Validator on Feb 28, 2022

DATA SOURCE:
Imported

PASSED BY VALIDATOR REASON:
First sample taken @ this point, composition looks reasonable

VALIDATOR:
Dustin Armstrong

VALIDATOR COMMENTS:
OK

Device Display Name	Date	24 Hour Gas (mcf)	HP Knockout Gas (mcf)	LP Knockout Gas (mcf)		
Golden Tee #31 CTB	10/9/2022		0	411	411	
Test Separator 1 (Well 302H)	10/9/2022	1812				
Test Separator 2 (Well 301H)	10/9/2022	1159				
Test Separator 3 (Well 502H)	10/9/2022	1142				
Test Separator 4 (Well 501H)	10/9/2022	1070				

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811 S. First St., Artesia, NM 88210
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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

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 149844
	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 149844

QUESTIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 149844
	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	*Not answered.*
Incident Facility	**[fAPP2208437966] Golden Tee 31 Fed Com CTB**

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, 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	Separator
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	2
Hydrogen Sulfide (H2S) PPM, rounded up	780
Carbon Dioxide (C02) percentage, if greater than one percent	8
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: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 149844
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/08/2022
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: Normal Operations | Separator | Natural Gas Flared | Released: 411 Mcf | Recovered: 0 Mcf | Lost: 411 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.	True
Please explain reason for why this event was beyond this operator's control	As production is decreasing, we are seeing more gas break out of solution, so the VRU we currently have at the facility cannot keep up.
Steps taken to limit the duration and magnitude of vent or flare	We are in the process of getting an additional VRU installed so that we are flaring less than 90 mcf/day.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	We are in the process of getting an additional VRU installed so that we are flaring less than 90 mcf/day.

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ACKNOWLEDGMENTS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 149844
	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 149844

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 149844
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
tsarantinos	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.	10/10/2022