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C6+ Gas Analysis Report

<b>13667G</b>	<b>Golden Tee 301</b>	<b>Golden Tee 301</b>	
Sample Point Code	Sample Point Name	Sample Point Location	
<b>Laboratory Services</b>	<b>2022051623</b>	<b>0889</b>	<b>B Longoria - Spot</b>
Source Laboratory	Lab File No	Container Identity	Sampler
<b>USA</b>	<b>USA</b>	<b>USA</b>	<b>New Mexico</b>
District	Area Name	Field Name	Facility Name
<b>Feb 23, 2022</b>	<b>Feb 23, 2022</b>	<b>Feb 24, 2022 08:06</b>	<b>Feb 24, 2022</b>
Date Sampled	Date Effective	Date Received	Date Reported
<b>System Administrator</b>		<b>@ 73</b>	
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
<b>Innospec</b>			<b>Avant</b>
Operator			Lab Source Description

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
<b>TOTAL</b>	<b>100.0000</b>	<b>100.1790</b>	<b>5.4030</b>

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°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 <b>1800 PPM</b>
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**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

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



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C6+ Gas Analysis Report

<b>13668G</b>	<b>Golden Tee 302</b>	<b>Golden Tee 302</b>	
Sample Point Code	Sample Point Name	Sample Point Location	
<b>Laboratory Services</b>	<b>2022051690</b>	<b>0234</b>	<b>B Longoria - Spot</b>
Source Laboratory	Lab File No	Container Identity	Sampler
<b>USA</b>	<b>USA</b>	<b>USA</b>	<b>New Mexico</b>
District	Area Name	Field Name	Facility Name
<b>Feb 25, 2022</b>	<b>Feb 25, 2022</b>	<b>Feb 28, 2022 09:09</b>	<b>Feb 28, 2022</b>
Date Sampled	Date Effective	Date Received	Date Reported
<b>System Administrator</b>		<b>@ 45</b>	
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
<b>Innospec</b>	<b>Avant</b>		
Operator	Lab Source Description		

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
<b>TOTAL</b>	<b>100.0000</b>	<b>100.1320</b>	<b>5.9930</b>

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°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
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**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

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



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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

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°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

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



13669G	Golden Tee 502		Golden Tee 502
Sample Point Code	Sample Point Name		Sample Point Location
Laboratory Services	2022051625	1495	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 08:28	Feb 24, 2022
Date Sampled	Date Effective	Date Received	Date Reported
	Luis	@ 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)	1.4750	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

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°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

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



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C6+ Gas Analysis Report

15772G	Golden Tee 31 Fed Com #304		Golden Tee 31 Fed Com #304
Sample Point Code	Sample Point Name		Sample Point Location
Laboratory Services	2023062848	2032	John Brink - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Jan 17, 2023	Jan 17, 2023	Jan 18, 2023 09:57	Jan 19, 2023
Date Sampled	Date Effective	Date Received	Date Reported
0			
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
Avant Operating			NG
Operator			Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	2.4420	2.44223	
CO2 (CO2)	7.2620	7.26222	
Methane (C1)	72.6970	72.69667	
Ethane (C2)	9.7000	9.6995	2.5930
Propane (C3)	4.6380	4.63821	1.2770
I-Butane (IC4)	0.5550	0.55512	0.1820
N-Butane (NC4)	1.3570	1.35696	0.4280
I-Pentane (IC5)	0.3920	0.39235	0.1430
N-Pentane (NC5)	0.3800	0.38009	0.1380
Hexanes Plus (C6+)	0.5770	0.57665	0.2500
TOTAL	100.0000	100.0000	5.0110

Gross Heating Values (Real, BTU/ft <sup>3</sup> )			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,149.4	1,130.8	1,152.1	1,133.4

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.7866	0.7841
Molecular Weight	
22.7103	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

**PROTREND STATUS:** Passed By Validator on Jan 20, 2023  
**DATA SOURCE:** Imported

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

**VALIDATOR:** Brooke Rush

**VALIDATOR COMMENTS:** OK

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 3, 2023



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C6+ Gas Analysis Report

<u>15771G</u>	<u>Golden Tee 31 Fed Com #305</u>	<u>Golden Tee 31 Fed Com #305</u>	
Sample Point Code	Sample Point Name	Sample Point Location	
<u>Laboratory Services</u>	<u>2023062847</u>	<u>1259</u>	<u>John Brink - Spot</u>
Source Laboratory	Lab File No	Container Identity	Sampler
<u>USA</u>	<u>USA</u>	<u>USA</u>	<u>New Mexico</u>
District	Area Name	Field Name	Facility Name
<u>Jan 17, 2023</u>	<u>Jan 17, 2023</u>	<u>Jan 18, 2023 09:54</u>	<u>Jan 19, 2023</u>
Date Sampled	Date Effective	Date Received	Date Reported
<u>System Administrator</u>			
<u>Ambient Temp (°F)</u>	<u>Flow Rate (Mcf)</u>	<u>Analyst</u>	<u>Press PSI @ Temp °F</u> <u>Source Conditions</u>
<u>Avant Operating</u>	<u>NG</u>		
Operator	Lab Source Description		

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	4.5750	4.575	
CO2 (CO2)	8.4310	8.431	
Methane (C1)	59.1370	59.137	
Ethane (C2)	11.2730	11.273	3.0140
Propane (C3)	7.2360	7.236	1.9930
I-Butane (IC4)	1.1080	1.108	0.3620
N-Butane (NC4)	3.1420	3.142	0.9900
I-Pentane (IC5)	1.2150	1.215	0.4440
N-Pentane (NC5)	1.3240	1.324	0.4800
Hexanes Plus (C6+)	2.5590	2.559	1.1100
<b>TOTAL</b>	<b>100.0000</b>	<b>100.0000</b>	<b>8.3930</b>

Gross Heating Values (Real, BTU/ft <sup>3</sup> )			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,355.0000	1,332.9	1,358.1	1,336.0000

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9630	0.9580
Molecular Weight	
27.7463	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

**PROTREND STATUS:** Passed By Validator on Jan 20, 2023  
**DATA SOURCE:** Imported

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

**VALIDATOR:** Brooke Rush

**VALIDATOR COMMENTS:** OK

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 3, 2023



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C6+ Gas Analysis Report

<b>15774G</b>	<b>Golden Tee 31 Fed Com #306</b>	<b>Golden Tee 31 Fed Com #306</b>	
Sample Point Code	Sample Point Name	Sample Point Location	
<b>Laboratory Services</b>	<b>2023062850</b>	<b>1785</b>	<b>John Brink - Spot</b>
Source Laboratory	Lab File No	Container Identity	Sampler
<b>USA</b>	<b>USA</b>	<b>USA</b>	<b>New Mexico</b>
District	Area Name	Field Name	Facility Name
<b>Jan 19, 2023</b>	<b>Jan 19, 2023</b>	<b>Jan 18, 2023 10:02</b>	<b>Jan 19, 2023</b>
Date Sampled	Date Effective	Date Received	Date Reported
<b>Luis</b>			
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
<b>Avant Operating</b>		<b>NG</b>	
Operator		Lab Source Description	

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	1.7300	1.73026	
CO2 (CO2)	8.9100	8.90982	
Methane (C1)	65.6420	65.64296	
Ethane (C2)	12.2130	12.2125	3.2650
Propane (C3)	6.4670	6.46695	1.7810
I-Butane (IC4)	0.7970	0.79667	0.2610
N-Butane (NC4)	1.9880	1.98836	0.6270
I-Pentane (IC5)	0.5630	0.56271	0.2060
N-Pentane (NC5)	0.5580	0.5576	0.2020
Hexanes Plus (C6+)	1.1320	1.13216	0.4910
<b>TOTAL</b>	<b>100.0000</b>	<b>100.0000</b>	<b>6.8330</b>

Gross Heating Values (Real, BTU/ft <sup>3</sup> )			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,239.9	1,219.7	1,242.8	1,222.5

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.8647	0.8612
Molecular Weight	
24.9429	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

**PROTREND STATUS:** Passed By Validator on Jan 20, 2023  
**DATA SOURCE:** Imported  
**PASSED BY VALIDATOR REASON:** First sample taken @ this point, composition looks reasonable  
**VALIDATOR:** Brooke Rush  
**VALIDATOR COMMENTS:** OK

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 3, 2023



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C6+ Gas Analysis Report

15769G	Golden Tee 31 Fed Com #504		Golden Tee 31 Fed Com #504
Sample Point Code	Sample Point Name		Sample Point Location
Laboratory Services	2023062845	2431	John Brink - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Jan 17, 2023	Jan 17, 2023	Jan 18, 2023 09:49	Jan 19, 2023
Date Sampled	Date Effective	Date Received	Date Reported
0			
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
Avant Operating		NG	
Operator		Lab Source Description	

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	0.8920	0.89194	
CO2 (CO2)	3.7540	3.75356	
Methane (C1)	75.0350	75.03515	
Ethane (C2)	10.1500	10.14999	2.7140
Propane (C3)	5.4510	5.45129	1.5010
I-Butane (IC4)	0.8680	0.86805	0.2840
N-Butane (NC4)	1.8490	1.84923	0.5830
I-Pentane (IC5)	0.5310	0.53099	0.1940
N-Pentane (NC5)	0.4360	0.43592	0.1580
Hexanes Plus (C6+)	1.0340	1.03388	0.4490
TOTAL	100.0000	100.0000	5.8830

Gross Heating Values (Real, BTU/ft <sup>3</sup> )			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,259.3	1,238.8	1,262.2	1,241.7

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.7843	0.7815
Molecular Weight	
22.6356	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

**PROTREND STATUS:** Passed By Validator on Jan 20, 2023  
**DATA SOURCE:** Imported  
**PASSED BY VALIDATOR REASON:** First sample taken @ this point, composition looks reasonable  
**VALIDATOR:** Brooke Rush  
**VALIDATOR COMMENTS:** OK

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 3, 2023





15773G	Golden Tee 31 Fed Com #505		Golden Tee 31 Fed Com #505
Sample Point Code	Sample Point Name		Sample Point Location
Laboratory Services	2023062849	0799	John Brink - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Jan 17, 2023	Jan 17, 2023	Jan 18, 2023 09:59	Jan 19, 2023
Date Sampled	Date Effective	Date Received	Date Reported
0			
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
Avant Operating	NG		
Operator	Lab Source Description		

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	1.2500	1.24997	
CO2 (CO2)	3.9020	3.90221	
Methane (C1)	74.7960	74.79661	
Ethane (C2)	9.7250	9.72496	2.6000
Propane (C3)	5.5020	5.50244	1.5150
I-Butane (IC4)	0.8870	0.88703	0.2900
N-Butane (NC4)	1.8680	1.86782	0.5890
I-Pentane (IC5)	0.5410	0.54088	0.1980
N-Pentane (NC5)	0.4600	0.45955	0.1670
Hexanes Plus (C6+)	1.0690	1.06853	0.4640
TOTAL	100.0000	100.0000	5.8230

Gross Heating Values (Real, BTU/ft <sup>3</sup> )			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,255.1	1,234.6	1,258.0000	1,237.5

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.7880	0.7852
Molecular Weight	
22.7366	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

**PROTREND STATUS:** Passed By Validator on Jan 20, 2023  
**DATA SOURCE:** Imported

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

**VALIDATOR:** Brooke Rush

**VALIDATOR COMMENTS:** OK

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 3, 2023



<b>15770G</b>	<b>Golden Tee 31 Fed Com #506</b>	<b>Golden Tee 31 Fed Com #506</b>	
Sample Point Code	Sample Point Name	Sample Point Location	
<b>Laboratory Services</b>	<b>2023062846</b>	<b>1953</b>	<b>John Brink - Spot</b>
Source Laboratory	Lab File No	Container Identity	Sampler
<b>USA</b>	<b>USA</b>	<b>USA</b>	<b>New Mexico</b>
District	Area Name	Field Name	Facility Name
<b>Jan 17, 2023</b>	<b>Jan 17, 2023</b>	<b>Jan 18, 2023 09:52</b>	<b>Jan 19, 2023</b>
Date Sampled	Date Effective	Date Received	Date Reported
<b>Luis</b>			
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
<b>Avant Operating</b>		<b>NG</b>	
Operator		Lab Source Description	

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	2.4960	2.49511	
CO2 (CO2)	4.2510	4.24887	
Methane (C1)	73.1950	73.15693	
Ethane (C2)	9.3100	9.30499	2.4890
Propane (C3)	5.3340	5.33125	1.4690
I-Butane (IC4)	0.8770	0.87638	0.2870
N-Butane (NC4)	1.9450	1.94371	0.6130
I-Pentane (IC5)	0.6250	0.62474	0.2290
N-Pentane (NC5)	0.6100	0.60986	0.2210
Hexanes Plus (C6+)	1.3570	1.35586	0.5890
<b>TOTAL</b>	<b>100.0000</b>	<b>99.9477</b>	<b>5.8970</b>

Gross Heating Values (Real, BTU/ft <sup>3</sup> )			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,253.7	1,233.2	1,256.6	1,236.1

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.8061	0.8031
Molecular Weight	
23.2597	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

**PROTREND STATUS:** Passed By Validator on Jan 20, 2023

**DATA SOURCE:** Imported

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

**VALIDATOR:** Brooke Rush

**VALIDATOR COMMENTS:** OK

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 3, 2023

Device Display Name	Date	24 Hour Gas (mcf)	HP Knockout Gas (mcf)	LP Knockout Gas (mcf)	
Golden Tee #31 CTB	6/21/2022			1	243 244
Test Separator 1 (Well 302H)	6/21/2022	1863			
Test Separator 2 (Well 301H)	6/21/2022	1399			
Test Separator 3 (Well 502H)	6/21/2022	1781			
Test Separator 4 (Well 501H)	6/21/2022	1283			

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DEFINITIONS

Action 215079

**DEFINITIONS**

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 215079
	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.

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QUESTIONS

Action 215079

**QUESTIONS**

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 215079
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**QUESTIONS**

<b>Prerequisites</b>	
<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 Operator	[330396] Avant Operating, LLC
Incident Type	Flare
Incident Status	Closure Approved
Incident Well	Unavailable.
Incident Facility	[fAPP2208437966] Golden Tee 31 Fed Com CTB
<i>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.</i>	

<b>Determination of Reporting Requirements</b>	
<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, 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Separator
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<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	2
Hydrogen Sulfide (H2S) PPM, rounded up	780
Carbon Dioxide (CO2) percentage, if greater than one percent	8
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	0
Nitrogen (N2) percentage quality requirement	2
Hydrogen Sulfide (H2S) PPM quality requirement	1,300
Carbon Dioxide (CO2) percentage quality requirement	12
Oxygen (O2) percentage quality requirement	0

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**QUESTIONS (continued)**

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 215079
	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	06/20/2022
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: Pipeline Quality Specifications   Separator   Natural Gas Flared   Released: 244 Mcf   Recovered: 0 Mcf   Lost: 244 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	No
Downstream OGRID that should have notified this operator	0
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	Avant did not have access to surrounding data that would have warned us of the out of spec gas.
Steps taken to limit the duration and magnitude of vent or flare	Avant started treating gas on surface to send down to stop flaring of the sour gas stream.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Avant redesigned facility to start surface treating wells until midstream can get a sour line to location.

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ACKNOWLEDGMENTS

Action 215079

**ACKNOWLEDGMENTS**

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**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<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 215079

**CONDITIONS**

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 215079
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**CONDITIONS**

Created By	Condition	Condition Date
tsarantinos	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.	5/9/2023