LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

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

Laboratory Services	2022051623	0889	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 08:06	Feb 24, 2022
Date Sampled	Date Effective	Date Received	Date Reported

		System Administrator	@ 73
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)	0.1800	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

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

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

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

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

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

		System Administrator	@ 45
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)	0.1300	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

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

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

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

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

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

Sample Point Code	Sample Point Name	Sample Point Location
15772G	Golden Tee 31 Fed Com #304	Golden Tee 31 Fed Com #304

Source Laboratory	Lab File No	Container Identity	Sampler
Laboratory Services	2023062848	2032	John Brink - Spot

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

Date Sampled	Date Effective	Date Received	Date Reported
Jan 17, 2023	Jan 17, 2023	Jan 18, 2023 09:57	Jan 19, 2023

Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
		0	

Operator	Lab Source Description
Avant Operating	NG

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

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

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,149.4	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

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

Sample Point Code	Sample Point Name	Sample Point Location
15771G	Golden Tee 31 Fed Com #305	Golden Tee 31 Fed Com #305

Source Laboratory	Lab File No	Container Identity	Sampler
Laboratory Services	2023062847	1259	John Brink - Spot

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

Date Sampled	Date Effective	Date Received	Date Reported
Jan 17, 2023	Jan 17, 2023	Jan 18, 2023 09:54	Jan 19, 2023

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

Operator	Lab Source Description
Avant Operating	NG

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
TOTAL	100.0000	100.0000	8.3930

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

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,355.0000	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

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

Sample Point Code	Sample Point Name	Sample Point Location
15774G	Golden Tee 31 Fed Com #306	Golden Tee 31 Fed Com #306

Source Laboratory	Lab File No	Container Identity	Sampler
Laboratory Services	2023062850	1785	John Brink - Spot

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

Date Sampled	Date Effective	Date Received	Date Reported
Jan 19, 2023	Jan 19, 2023	Jan 18, 2023 10:02	Jan 19, 2023

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

Operator	Lab Source Description
Avant Operating	NG

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
TOTAL	100.0000	100.0000	6.8330

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

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,239.9	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

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

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

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

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,259.3	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

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

Sample Point Code	Sample Point Name	Sample Point Location
15773G	Golden Tee 31 Fed Com #505	Golden Tee 31 Fed Com #505

Source Laboratory	Lab File No	Container Identity	Sampler
Laboratory Services	2023062849	0799	John Brink - Spot

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

Date Sampled	Date Effective	Date Received	Date Reported
Jan 17, 2023	Jan 17, 2023	Jan 18, 2023 09:59	Jan 19, 2023

Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
		0	

Operator	Lab Source Description
Avant Operating	NG

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

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

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,255.1	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

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

15770G	Golden Tee 31 Fed Com #506	Golden Tee 31 Fed Com #506
Sample Point Code	Sample Point Name	Sample Point Location

Laboratory Services	2023062846	1953	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 09:52	Jan 19, 2023
Date Sampled	Date Effective	Date Received	Date Reported

		Luis	
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)	2.4960	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
TOTAL	100.0000	99.9477	5.8970

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

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
1,253.7	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

Device Display Name	Date	24 Hour Gas (mcf)	HP Knockout Gas (mcf)	LP Knockout Gas (mcf)	
Golden Tee #31 CTB	9/10/2022		2439	447	2886
Test Separator 1 (Well 302H)	9/10/2022	2091			
Test Separator 2 (Well 301H)	9/10/2022	1382			
Test Separator 3 (Well 502H)	9/10/2022	1170			
Test Separator 4 (Well 501H)	9/10/2022	975			

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

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 217180
	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.

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 217180

QUESTIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 217180
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 Operator	**[330396] Avant Operating, LLC**
Incident Type	**Flare**
Incident Status	**Closure Approved**
Incident Well	*Unavailable.*
Incident Facility	**[fAPP2208437966] Golden Tee 31 Fed Com CTB**
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.	

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, major 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	0
Nitrogen (N2) percentage quality requirement	2
Hydrogen Sufide (H2S) PPM quality requirement	1,300
Carbon Dioxide (C02) percentage quality requirement	12
Oxygen (02) percentage quality requirement	0

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 (continued)

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 217180
	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	09/09/2022
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: 2,886 Mcf | Recovered: 0 Mcf | Lost: 2,886 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.

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

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 217180
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

☑	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.
☑	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.
☑	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.
☑	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.

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 217180

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 217180
	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.	5/16/2023