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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 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
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 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



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C6+ Gas Analysis Report

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
Ambient Temp (°F)	Flow Rate (Mcf)	Luis	@ 23
		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

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 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



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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 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

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

Received by Imaging: 6/8/2022 10:22:01 AM														
Received by Imaging: 6/8/2022 10:22:01 AM	Well 502	Facility	Total Daily	Monthly	Well 301	Well 302	Well 501	Well 502	Total Daily	Monthly	Difference	Page 5 of 10	Per	
04/30/22		899	899	17,514										
05/01/22		571	571		97	200	127	147	571		0			
05/02/22		650	650		122	226	141	161	650		0			
05/03/22		687	687		108	273	132	173	687		0			
05/04/22		733	733		113	277	149	194	733		0			
05/05/22		2,812	2,812		455	1,045	590	726	2,817		(5)			
05/06/22		985	985		129	440	164	248	980		5			
05/07/22		292	292		28	137	46	82	293		(1)			
05/08/22		240	240		43	101	38	58	240		0			
05/09/22		383	383		71	149	70	94	384		(1)			
05/10/22		597	597		83	225	127	161	596		1			
05/11/22		520	520		32	225	117	146	521		(1)			
05/12/22		323	323		2	137	91	93	323		0			
05/13/22		392	392		0	156	125	109	391		1			
05/14/22		741	741		0	320	277	144	741		0			
05/15/22		265	265		0	127	137	0	264		1			
05/16/22		113	113		11	1	102	0	113		0			
05/17/22		111	111		13	0	95	3	111		0			
05/18/22		222	222		57	0	124	42	223		(1)			
05/19/22		519	519		187	12	122	198	519		0			
05/20/22		593	593		150	162	86	194	593		0			
05/21/22		478	478		107	104	104	162	477		1			
05/22/22		1,268	1,268		326	238	281	424	1,268		0			
05/23/22		507	507		142	94	99	172	508		(1)			
05/24/22		657	657		195	198	97	167	657		0			
05/25/22		395	395		117	119	58	101	395		0			
05/26/22			0		88	89	44	76	297		(297)			
05/27/22			0		167	170	83	144	564		(564)			
05/28/22			0		126	128	63	108	424		(424)			
05/29/22			0		121	123	60	104	408		(408)			
05/30/22		1,168	1,168		348	352	173	298	1,171		(3)			
05/31/22		1,282	1,282		380	385	189	326	1,279		3			
06/01/22		556	556	18,060					0					
06/02/22			2,405						0		2,405			
Released to Imaging: 6/8/2022 10:22:01 AM		Totals	19,894						19,198					

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 115009

DEFINITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 115009
	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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State of New Mexico
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1220 S. St Francis Dr.
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QUESTIONS

Action 115009

QUESTIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 115009
	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 Not Approved
Incident Well	Not answered.
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 additional 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 within 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 (CO2) percentage, if greater than one percent	8
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 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 115009

QUESTIONS (continued)

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 115009
	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	05/29/2022
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: Lightning Separator Natural Gas Flared Released: 408 Mcf Recovered: 0 Mcf Lost: 408 Mcf]
Other Released Details	Cause: Other (Specify) Released: 0 (Unknown Released Amount) Recovered: 0 Lost: 0]
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

Action 115009

ACKNOWLEDGMENTS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 115009
	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.

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CONDITIONS

Action 115009

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 115009
	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.	6/8/2022