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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

DATE	Total flare	302 Flare Allocation	301 Flare Allocation	502 Flare Allocation	501 Flare Allocation
2/17/2022	-	-	-	-	-
2/18/2022	-	-	-	-	-
2/19/2022	720.90	-	-	108.00	612.90
2/20/2022	1,950.00	127.00	47.00	628.00	1,148.00
2/21/2022	4,095.00	400.00	242.00	1,376.00	2,077.00
2/22/2022	6,251.00	526.00	350.00	2,156.00	3,219.00
2/23/2022	7,473.00	777.00	518.00	2,624.00	3,554.00
2/24/2022	8,323.00	1,036.00	761.00	2,986.00	3,540.00
2/25/2022	8,825.00	1,393.00	1,024.00	2,987.00	3,421.00
2/26/2022	9,018.00	1,673.00	1,298.00	2,874.00	3,173.00
2/27/2022	9,192.00	1,791.00	1,531.00	2,815.00	3,055.00
2/28/2022	9,469.00	2,070.00	1,759.00	2,727.00	2,913.00
3/1/2022	9,596.00	2,320.00	1,903.00	2,540.00	2,833.00
3/2/2022	9,572.00	2,481.00	1,987.00	2,459.00	2,645.00
3/3/2022	9,695.00	2,679.00	2,095.00	2,371.00	2,550.00
3/4/2022	9,708.00	2,770.00	2,131.00	2,401.00	2,406.00
3/5/2022	9,610.00	2,451.19	2,251.94	2,613.93	2,292.94
3/6/2022	9,587.00	2,402.37	2,392.88	2,536.87	2,254.88
3/7/2022	9,519.00	2,467.37	2,451.87	2,413.87	2,185.89
3/8/2022	2,084.00	569.01	531.76	510.35	472.88
3/9/2022	10,980.00	3,181.64	2,688.11	2,500.90	2,609.35
3/10/2022	5,975.00	2,171.94	1,321.98	1,273.75	1,207.33
3/11/2022	7,071.00	2,262.00	1,815.00	1,731.00	1,263.00
3/12/2022	12,867.00	4,158.24	3,377.23	2,892.22	2,439.31
3/13/2022	10,321.00	3,421.15	2,769.77	2,361.25	1,768.83
3/14/2022	10,759.00	3,539.20	2,829.24	2,412.68	1,977.88
3/15/2022	10,616.00	3,570.94	2,855.86	2,426.81	1,762.38
3/16/2022	3,297.00	1,115.01	888.90	746.25	546.83
3/17/2022	195.00	70.94	55.59	41.85	26.63
3/18/2022	2,974.00	1,336.75	1,031.37	143.16	462.72
3/19/2022	7,255.00	3,369.87	2,492.47	-	1,392.66
3/20/2022	2,881.00	1,322.82	945.53	-	612.65
3/21/2022	1,280.00	592.46	422.61	-	264.93
3/22/2022	83.00	38.36	27.51	-	17.13
3/23/2022	1,992.00	937.47	669.42	-	385.10
3/24/2022	3,018.00	1,408.08	1,007.61	-	602.31
3/25/2022	4,099.00	1,953.28	1,382.95	-	762.77
3/26/2022	327.00	157.46	109.88	-	59.66
3/27/2022	94.00	44.87	30.85	-	18.27
3/28/2022	23.00	10.79	7.60	-	4.61
3/29/2022	13.00	6.16	4.34	-	2.50
3/30/2022	2,739.00	1,625.49	1,113.51	-	-
3/31/2022	3,646.00	2,130.08	1,515.92	-	-
Totals	237,192.90	66,357.98	52,637.69	55,656.89	62,540.34

30th day

District I
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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

Action 111096

DEFINITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 111096
	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 111096

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	Action Number: 111096
	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	[30-025-49324] GOLDEN TEE 31 FEDERAL COM #301H
Incident Facility	Not answered.
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, 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 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	66
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	1,800
Carbon Dioxide (CO2) percentage, if greater than one percent	13
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	0
Nitrogen (N2) percentage quality requirement	2
Hydrogen Sulfide (H2S) PPM quality requirement	4
Carbon Dioxide (CO2) percentage quality requirement	2
Oxygen (O2) percentage quality requirement	0

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QUESTIONS, Page 2

Action 111096

QUESTIONS (continued)

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	Action Number: 111096
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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/14/2022
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: 2,829 Mcf Recovered: 0 Mcf Lost: 2,829 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	01/01/1900
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	All data we have showed that the gas was much lower in H2S concentration
Steps taken to limit the duration and magnitude of vent or flare	All data we have showed that the gas was much lower in H2S concentration
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	All data we have showed that the gas was much lower in H2S concentration

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ACKNOWLEDGMENTS

Action 111096

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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 111096

CONDITIONS

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	Action Number: 111096
	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.	5/26/2022