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## 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<br>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

|                      |                   |                        |                                          |
|----------------------|-------------------|------------------------|------------------------------------------|
| 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<br>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



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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<br>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



|                     |                        |                       |                                          |
|---------------------|------------------------|-----------------------|------------------------------------------|
| 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<br>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



|                     |                            |                            |                                          |
|---------------------|----------------------------|----------------------------|------------------------------------------|
| 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<br>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 |

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 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



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## C6+ Gas Analysis Report

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



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



|                            |                                   |                                   |                                          |
|----------------------------|-----------------------------------|-----------------------------------|------------------------------------------|
| <b>15769G</b>              | <b>Golden Tee 31 Fed Com #504</b> | <b>Golden Tee 31 Fed Com #504</b> |                                          |
| Sample Point Code          | Sample Point Name                 | Sample Point Location             |                                          |
| <b>Laboratory Services</b> | <b>2023062845</b>                 | <b>2431</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 09:49</b>         | <b>Jan 19, 2023</b>                      |
| Date Sampled               | Date Effective                    | Date Received                     | Date Reported                            |
| <b>0</b>                   |                                   |                                   |                                          |
| Ambient Temp (°F)          | Flow Rate (Mcf)                   | Analyst                           | Press PSI @ Temp °F<br>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)      | 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 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





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## C6+ Gas Analysis Report

|                     |                            |                            |                                          |
|---------------------|----------------------------|----------------------------|------------------------------------------|
| 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<br>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 |

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/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



|                     |                            |                            |                                          |
|---------------------|----------------------------|----------------------------|------------------------------------------|
| 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<br>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 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

| Device Display Name          | Date       | 24 Hour Gas (mcf) | HP Knockout Gas (mcf) | LP Knockout Gas (mcf) |     |
|------------------------------|------------|-------------------|-----------------------|-----------------------|-----|
| Golden Tee #31 CTB           | 11/11/2022 |                   | 460                   | 58                    | 518 |
| Test Separator 1 (Well 302H) | 11/11/2022 | 0                 |                       |                       |     |
| Test Separator 2 (Well 301H) | 11/11/2022 | 287               |                       |                       |     |
| Test Separator 3 (Well 502H) | 11/11/2022 | 0                 |                       |                       |     |
| Test Separator 4 (Well 501H) | 11/11/2022 | 0                 |                       |                       |     |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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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 215482

DEFINITIONS

|                                                                                  |                                                                   |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br><br>Avant Operating, LLC<br>1515 Wynkoop Street<br>Denver, CO 80202 | OGRID:<br><br>330396                                              |
|                                                                                  | Action Number:<br><br>215482                                      |
|                                                                                  | Action Type:<br><br>[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  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS  
  
Action 215482

QUESTIONS

|                                                                                  |                                                                   |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br><br>Avant Operating, LLC<br>1515 Wynkoop Street<br>Denver, CO 80202 | OGRID:<br><br>330396                                              |
|                                                                                  | Action Number:<br><br>215482                                      |
|                                                                                  | Action Type:<br><br>[C-129] Amend Venting and/or Flaring (C-129A) |

QUESTIONS

|                                                                                                                                                                                                   |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Prerequisites</b><br><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 |
| 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. |                                            |

|                                                                                                                                                                                                                                                                                            |                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Determination of Reporting Requirements</b><br><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, 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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event                                                                                                                                                                                                     | Yes                                               |
| Did this vent or flare result in the release of <b>ANY</b> 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                                                |

|                                                           |               |
|-----------------------------------------------------------|---------------|
| <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><br><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 (C02) 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                                                                                                                       | 0     |
| Nitrogen (N2) percentage quality requirement                                                                                                                       | 2     |
| Hydrogen Sufide (H2S) PPM quality requirement                                                                                                                      | 1,300 |
| Carbon Dioxide (C02) percentage quality requirement                                                                                                                | 12    |
| Oxygen (O2) percentage quality requirement                                                                                                                         | 0     |

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

QUESTIONS, Page 2

Action 215482

QUESTIONS (continued)

|                                                                              |                                                               |
|------------------------------------------------------------------------------|---------------------------------------------------------------|
| Operator:<br>Avant Operating, LLC<br>1515 Wynkoop Street<br>Denver, CO 80202 | OGRID:<br>330396                                              |
|                                                                              | Action Number:<br>215482                                      |
|                                                                              | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

QUESTIONS

| Date(s) and Time(s)                            |            |
|------------------------------------------------|------------|
| Date vent or flare was discovered or commenced | 11/10/2022 |
| 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: 508 Mcf   Recovered: 0 Mcf   Lost: 508 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 215482

**ACKNOWLEDGMENTS**

|                                                                              |                                                               |
|------------------------------------------------------------------------------|---------------------------------------------------------------|
| Operator:<br>Avant Operating, LLC<br>1515 Wynkoop Street<br>Denver, CO 80202 | OGRID:<br>330396                                              |
|                                                                              | Action Number:<br>215482                                      |
|                                                                              | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**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 215482

CONDITIONS

|                                                                                  |                                                                   |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br><br>Avant Operating, LLC<br>1515 Wynkoop Street<br>Denver, CO 80202 | OGRID:<br><br>330396                                              |
|                                                                                  | Action Number:<br><br>215482                                      |
|                                                                                  | Action Type:<br><br>[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. | 5/10/2023      |