

Lab #: 798137 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Caldwell 14-25 / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 276425   
 Date Sampled: 7/06/2021 12:15 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0124             |                            |                       |                            |
| Hydrogen -----        | 0.155              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | 0.011              |                            |                       |                            |
| Nitrogen -----        | 0.49               |                            |                       |                            |
| Carbon Dioxide -----  | 1.23               | 2.6                        |                       |                            |
| Methane -----         | 73.70              | -50.3                      | -241                  |                            |
| Ethane -----          | 13.32              | -33.4                      |                       |                            |
| Ethylene -----        | nd                 |                            |                       |                            |
| Propane -----         | 7.04               | -29.6                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.943              | -31.7                      |                       |                            |
| N-butane -----        | 2.21               | -28.3                      |                       |                            |
| Iso-pentane -----     | 0.446              | -28.5                      |                       |                            |
| N-pentane -----       | 0.409              | -28.2                      |                       |                            |
| Hexanes + -----       | 0.0302             |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1304

Specific gravity, calculated: 0.763

Remarks: W31852 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798138 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Caldwell 14-25 / Surface Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 276425   
 Date Sampled: 7/06/2021 12:10 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0504             |                            |                       |                            |
| Hydrogen -----        | nd                 |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | 0.012              |                            |                       |                            |
| Nitrogen -----        | 1.76               |                            |                       |                            |
| Carbon Dioxide -----  | nd                 |                            |                       |                            |
| Methane -----         | 82.15              | -54.8                      | -237                  |                            |
| Ethane -----          | 7.93               | -34.7                      |                       |                            |
| Ethylene -----        | nd                 |                            |                       |                            |
| Propane -----         | 5.52               | -30.9                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.678              | -31.8                      |                       |                            |
| N-butane -----        | 1.36               | -29.1                      |                       |                            |
| Iso-pentane -----     | 0.239              | -28.3                      |                       |                            |
| N-pentane -----       | 0.218              | -28.3                      |                       |                            |
| Hexanes + -----       | 0.0853             |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1204

Specific gravity, calculated: 0.693

Remarks: W31852 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798139 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Echeverria 2L-2H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 459169   
 Date Sampled: 7/09/2021 8:03 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0070             |                            |                       |                            |
| Hydrogen -----        | 0.0492             |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | nd                 |                            |                       |                            |
| Nitrogen -----        | 0.32               |                            |                       |                            |
| Carbon Dioxide -----  | 1.89               | 3.2                        |                       |                            |
| Methane -----         | 69.79              | -49.4                      | -247                  |                            |
| Ethane -----          | 14.77              | -33.1                      |                       |                            |
| Ethylene -----        | 0.0024             |                            |                       |                            |
| Propane -----         | 7.12               | -29.5                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 1.00               | -31.8                      |                       |                            |
| N-butane -----        | 2.72               | -28.4                      |                       |                            |
| Iso-pentane -----     | 1.44               | -30.5                      |                       |                            |
| N-pentane -----       | 0.857              | -20.2                      |                       |                            |
| Hexanes + -----       | 0.0363             |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1370

Specific gravity, calculated: 0.813

Remarks: C82440 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798140 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: File 3D-32H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 434243   
 Date Sampled: 7/07/2021 11:10 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0128             |                            |                       |                            |
| Hydrogen -----        | 0.426              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | nd                 |                            |                       |                            |
| Nitrogen -----        | 0.51               |                            |                       |                            |
| Carbon Dioxide -----  | 0.33               | -2.0                       |                       |                            |
| Methane -----         | 82.86              | -49.4                      | -242                  |                            |
| Ethane -----          | 11.53              | -32.6                      |                       |                            |
| Ethylene -----        | 0.0021             |                            |                       |                            |
| Propane -----         | 3.43               | -28.8                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.303              | -31.1                      |                       |                            |
| N-butane -----        | 0.469              | -27.5                      |                       |                            |
| Iso-pentane -----     | 0.0487             | -28.2                      |                       |                            |
| N-pentane -----       | 0.0380             | -27.2                      |                       |                            |
| Hexanes + -----       | 0.0364             |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1165

Specific gravity, calculated: 0.660

Remarks: C82213 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798141 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: File 3E-32H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 434247   
 Date Sampled: 7/07/2021 10:22 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0106             |                            |                       |                            |
| Hydrogen -----        | 0.128              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | nd                 |                            |                       |                            |
| Nitrogen -----        | 0.39               |                            |                       |                            |
| Carbon Dioxide -----  | 1.37               | 2.9                        |                       |                            |
| Methane -----         | 77.76              | -49.7                      | -245                  |                            |
| Ethane -----          | 12.68              | -33.1                      |                       |                            |
| Ethylene -----        | 0.0002             |                            |                       |                            |
| Propane -----         | 5.15               | -29.2                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.634              | -31.4                      |                       |                            |
| N-butane -----        | 1.38               | -27.7                      |                       |                            |
| Iso-pentane -----     | 0.216              | -28.1                      |                       |                            |
| N-pentane -----       | 0.180              | -27.2                      |                       |                            |
| Hexanes + -----       | 0.105              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1233

Specific gravity, calculated: 0.719

Remarks: C82213 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798142 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: File 3F-32H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 434246   
 Date Sampled: 7/07/2021 10:20 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0165             |                            |                       |                            |
| Hydrogen -----        | 0.407              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | 0.011              |                            |                       |                            |
| Nitrogen -----        | 0.71               |                            |                       |                            |
| Carbon Dioxide -----  | 0.034              |                            |                       |                            |
| Methane -----         | 87.91              | -50.4                      | -248                  |                            |
| Ethane -----          | 8.78               | -33.4                      |                       |                            |
| Ethylene -----        | 0.0012             |                            |                       |                            |
| Propane -----         | 1.88               | -29.3                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.105              | -30.8                      |                       |                            |
| N-butane -----        | 0.114              | -27.3                      |                       |                            |
| Iso-pentane -----     | 0.0024             |                            |                       |                            |
| N-pentane -----       | 0.0013             |                            |                       |                            |
| Hexanes + -----       | 0.0246             |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1105

Specific gravity, calculated: 0.620

Remarks: C82215 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798143 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: File 3H-32H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 434241   
 Date Sampled: 7/07/2021 8:45 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0153             |                            |                       |                            |
| Hydrogen -----        | 0.362              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | nd                 |                            |                       |                            |
| Nitrogen -----        | 0.64               |                            |                       |                            |
| Carbon Dioxide -----  | 0.25               | -1.1                       |                       |                            |
| Methane -----         | 86.45              | -49.9                      | -246                  |                            |
| Ethane -----          | 9.64               | -32.9                      |                       |                            |
| Ethylene -----        | 0.0029             |                            |                       |                            |
| Propane -----         | 2.19               | -29.2                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.133              | -30.7                      |                       |                            |
| N-butane -----        | 0.161              | -27.4                      |                       |                            |
| Iso-pentane -----     | 0.0074             |                            |                       |                            |
| N-pentane -----       | 0.0068             |                            |                       |                            |
| Hexanes + -----       | 0.144              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1122

Specific gravity, calculated: 0.633

Remarks: C82217 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798144 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: File 3I-32H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 434284   
 Date Sampled: 7/07/2021 8:25 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0125             |                            |                       |                            |
| Hydrogen -----        | 0.133              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | nd                 |                            |                       |                            |
| Nitrogen -----        | 0.47               |                            |                       |                            |
| Carbon Dioxide -----  | 0.39               | -0.6                       |                       |                            |
| Methane -----         | 80.02              | -48.7                      | -241                  |                            |
| Ethane -----          | 12.47              | -32.6                      |                       |                            |
| Ethylene -----        | 0.0050             |                            |                       |                            |
| Propane -----         | 4.56               | -28.9                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.520              | -31.4                      |                       |                            |
| N-butane -----        | 0.982              | -27.8                      |                       |                            |
| Iso-pentane -----     | 0.176              | -28.5                      |                       |                            |
| N-pentane -----       | 0.159              | -27.9                      |                       |                            |
| Hexanes + -----       | 0.104              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1218

Specific gravity, calculated: 0.694

Remarks: C82218 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798145 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: File 3K-32H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 434287   
 Date Sampled: 7/07/2021 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0124             |                            |                       |                            |
| Hydrogen -----        | 0.0779             |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | 0.010              |                            |                       |                            |
| Nitrogen -----        | 0.50               |                            |                       |                            |
| Carbon Dioxide -----  | 0.88               | 2.9                        |                       |                            |
| Methane -----         | 76.57              | -49.4                      | -243                  |                            |
| Ethane -----          | 12.77              | -33.2                      |                       |                            |
| Ethylene -----        | nd                 |                            |                       |                            |
| Propane -----         | 5.36               | -29.2                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.708              | -31.3                      |                       |                            |
| N-butane -----        | 1.68               | -28.1                      |                       |                            |
| Iso-pentane -----     | 0.411              | -28.6                      |                       |                            |
| N-pentane -----       | 0.479              | -28.2                      |                       |                            |
| Hexanes + -----       | 0.546              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1281

Specific gravity, calculated: 0.743

Remarks: C82220 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798146 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: File 3P-32 H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 434282   
 Date Sampled: 7/08/2021 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0160             |                            |                       |                            |
| Hydrogen -----        | 0.722              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | 0.011              |                            |                       |                            |
| Nitrogen -----        | 0.58               |                            |                       |                            |
| Carbon Dioxide -----  | 0.19               | -2.9                       |                       |                            |
| Methane -----         | 85.01              | -49.8                      | -246                  |                            |
| Ethane -----          | 10.46              | -33.2                      |                       |                            |
| Ethylene -----        | 0.0048             |                            |                       |                            |
| Propane -----         | 2.64               | -29.1                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.167              | -30.7                      |                       |                            |
| N-butane -----        | 0.178              | -27.1                      |                       |                            |
| Iso-pentane -----     | 0.0034             |                            |                       |                            |
| N-pentane -----       | 0.0014             |                            |                       |                            |
| Hexanes + -----       | 0.0116             |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1130

Specific gravity, calculated: 0.636

Remarks: C82225 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798147 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: File 3Q-32H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 434244   
 Date Sampled: 7/08/2021 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0188             |                            |                       |                            |
| Hydrogen -----        | 0.570              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | nd                 |                            |                       |                            |
| Nitrogen -----        | 0.69               |                            |                       |                            |
| Carbon Dioxide -----  | 0.16               | -2.1                       |                       |                            |
| Methane -----         | 87.32              | -50.7                      | -249                  |                            |
| Ethane -----          | 8.99               | -33.5                      |                       |                            |
| Ethylene -----        | 0.0025             |                            |                       |                            |
| Propane -----         | 2.01               | -29.5                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.110              | -30.9                      |                       |                            |
| N-butane -----        | 0.122              | -27.3                      |                       |                            |
| Iso-pentane -----     | 0.0026             |                            |                       |                            |
| N-pentane -----       | 0.0013             |                            |                       |                            |
| Hexanes + -----       | 0.0027             |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1106

Specific gravity, calculated: 0.622

Remarks: C82226 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798148 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: File 3R-32H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 434283   
 Date Sampled: 7/08/2021 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0138             |                            |                       |                            |
| Hydrogen -----        | 0.464              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | nd                 |                            |                       |                            |
| Nitrogen -----        | 0.70               |                            |                       |                            |
| Carbon Dioxide -----  | 0.050              | -3.3                       |                       |                            |
| Methane -----         | 88.18              | -48.6                      | -240                  |                            |
| Ethane -----          | 9.13               | -32.8                      |                       |                            |
| Ethylene -----        | 0.0043             |                            |                       |                            |
| Propane -----         | 1.35               | -28.8                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.0529             | -30.2                      |                       |                            |
| N-butane -----        | 0.0414             | -26.8                      |                       |                            |
| Iso-pentane -----     | 0.0017             |                            |                       |                            |
| N-pentane -----       | 0.0011             |                            |                       |                            |
| Hexanes + -----       | 0.0096             |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1096

Specific gravity, calculated: 0.614

Remarks: C82227 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798149 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Haley 32-3 / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 293983   
 Date Sampled: 7/06/2021 11:17 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0144             |                            |                       |                            |
| Hydrogen -----        | 0.191              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | 0.014              |                            |                       |                            |
| Nitrogen -----        | 0.44               |                            |                       |                            |
| Carbon Dioxide -----  | 1.58               | 2.2                        |                       |                            |
| Methane -----         | 74.18              | -50.4                      | -245                  |                            |
| Ethane -----          | 12.60              | -33.5                      |                       |                            |
| Ethylene -----        | 0.0011             |                            |                       |                            |
| Propane -----         | 6.39               | -29.7                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.907              | -31.6                      |                       |                            |
| N-butane -----        | 2.37               | -28.3                      |                       |                            |
| Iso-pentane -----     | 0.557              | -28.3                      |                       |                            |
| N-pentane -----       | 0.612              | -28.0                      |                       |                            |
| Hexanes + -----       | 0.143              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1302

Specific gravity, calculated: 0.767

Remarks: W41820 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798150 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Haley 32-3 / Surface Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 293983   
 Date Sampled: 7/06/2021 11:15 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.146              |                            |                       |                            |
| Hydrogen -----        | nd                 |                            |                       |                            |
| Argon -----           | 0.0235             |                            |                       |                            |
| Oxygen -----          | 0.011              |                            |                       |                            |
| Nitrogen -----        | 5.39               |                            |                       |                            |
| Carbon Dioxide -----  | nd                 |                            |                       |                            |
| Methane -----         | 92.70              | -60.2                      | -211                  |                            |
| Ethane -----          | 1.04               | -34.1                      |                       |                            |
| Ethylene -----        | nd                 |                            |                       |                            |
| Propane -----         | 0.448              | -30.8                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.0918             | -31.5                      |                       |                            |
| N-butane -----        | 0.0885             | -29.7                      |                       |                            |
| Iso-pentane -----     | 0.0231             | -29.2                      |                       |                            |
| N-pentane -----       | 0.0170             | -28.6                      |                       |                            |
| Hexanes + -----       | 0.0166             |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 978

Specific gravity, calculated: 0.589

Remarks: W41820 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798151 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Marcus State 3A-36H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 433050   
 Date Sampled: 7/02/2021 10:30 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0190             |                            |                       |                            |
| Hydrogen -----        | 0.573              |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | 0.016              |                            |                       |                            |
| Nitrogen -----        | 0.65               |                            |                       |                            |
| Carbon Dioxide -----  | 1.03               | 0.8                        |                       |                            |
| Methane -----         | 82.89              | -52.8                      | -257                  |                            |
| Ethane -----          | 11.02              | -34.0                      |                       |                            |
| Ethylene -----        | 0.0060             |                            |                       |                            |
| Propane -----         | 3.17               | -29.8                      |                       |                            |
| Propylene -----       | 0.0001             |                            |                       |                            |
| Iso-butane -----      | 0.197              | -31.1                      |                       |                            |
| N-butane -----        | 0.276              | -27.5                      |                       |                            |
| Iso-pentane -----     | 0.0095             |                            |                       |                            |
| N-pentane -----       | 0.0042             |                            |                       |                            |
| Hexanes + -----       | 0.139              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1142

Specific gravity, calculated: 0.658

Remarks: W21857 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798152 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Marcus State 3A-36H / Intermediate Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 433050   
 Date Sampled: 7/02/2021 10:35 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | nd                 |                            |                       |                            |
| Hydrogen -----        | nd                 |                            |                       |                            |
| Argon -----           | 0.0051             |                            |                       |                            |
| Oxygen -----          | 0.057              |                            |                       |                            |
| Nitrogen -----        | 0.23               |                            |                       |                            |
| Carbon Dioxide -----  | 0.017              |                            |                       |                            |
| Methane -----         | 98.55              | -44.4                      | -255                  |                            |
| Ethane -----          | 0.160              | -33.6                      |                       |                            |
| Ethylene -----        | 0.0008             |                            |                       |                            |
| Propane -----         | 0.313              | -30.0                      |                       |                            |
| Propylene -----       | 0.0004             |                            |                       |                            |
| Iso-butane -----      | 0.0837             | -32.1                      |                       |                            |
| N-butane -----        | 0.261              | -28.8                      |                       |                            |
| Iso-pentane -----     | 0.101              | -28.8                      |                       |                            |
| N-pentane -----       | 0.123              | -28.4                      |                       |                            |
| Hexanes + -----       | 0.101              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1035

Specific gravity, calculated: 0.571

Remarks: W21857 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798153 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Pratt 21-29 / Surface Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 420033   
 Date Sampled: 6/24/2021 14:20 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0344             |                            |                       |                            |
| Hydrogen -----        | nd                 |                            |                       |                            |
| Argon -----           | 0.0089             |                            |                       |                            |
| Oxygen -----          | 0.048              |                            |                       |                            |
| Nitrogen -----        | 1.67               |                            |                       |                            |
| Carbon Dioxide -----  | nd                 |                            |                       |                            |
| Methane -----         | 84.08              | -53.1                      | -238                  |                            |
| Ethane -----          | 7.77               | -34.2                      |                       |                            |
| Ethylene -----        | nd                 |                            |                       |                            |
| Propane -----         | 4.30               | -30.1                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.537              | -31.8                      |                       |                            |
| N-butane -----        | 1.01               | -28.7                      |                       |                            |
| Iso-pentane -----     | 0.216              | -28.6                      |                       |                            |
| N-pentane -----       | 0.194              | -28.4                      |                       |                            |
| Hexanes + -----       | 0.134              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1174

Specific gravity, calculated: 0.674

Remarks: W69768 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798154 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Prosper Farms 4-65-11-12 3BH / Surface Casin Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 456549   
 Date Sampled: 6/22/2021 9:30 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0084             |                            |                       |                            |
| Hydrogen -----        | 0.0118             |                            |                       |                            |
| Argon -----           | 0.0052             |                            |                       |                            |
| Oxygen -----          | 0.022              |                            |                       |                            |
| Nitrogen -----        | 0.91               |                            |                       |                            |
| Carbon Dioxide -----  | 0.84               | 1.2                        |                       |                            |
| Methane -----         | 66.87              | -53.1                      | -280                  |                            |
| Ethane -----          | 14.79              | -36.7                      |                       |                            |
| Ethylene -----        | nd                 |                            |                       |                            |
| Propane -----         | 10.18              | -31.9                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 1.26               | -32.6                      |                       |                            |
| N-butane -----        | 3.54               | -29.9                      |                       |                            |
| Iso-pentane -----     | 0.613              | -28.6                      |                       |                            |
| N-pentane -----       | 0.678              | -29.2                      |                       |                            |
| Hexanes + -----       | 0.271              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1424

Specific gravity, calculated: 0.837

Remarks: C22303 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798155 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: Prosper Farms 4-65-11-12 3BH / Production Ca Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 456549   
 Date Sampled: 6/22/2021 9:30 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0106             |                            |                       |                            |
| Hydrogen -----        | nd                 |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | 0.021              |                            |                       |                            |
| Nitrogen -----        | 0.97               |                            |                       |                            |
| Carbon Dioxide -----  | 2.36               | 1.7                        |                       |                            |
| Methane -----         | 69.37              | -53.0                      | -281                  |                            |
| Ethane -----          | 13.80              | -36.5                      |                       |                            |
| Ethylene -----        | nd                 |                            |                       |                            |
| Propane -----         | 8.52               | -31.7                      |                       |                            |
| Propylene -----       | nd                 |                            |                       |                            |
| Iso-butane -----      | 0.968              | -32.6                      |                       |                            |
| N-butane -----        | 2.71               | -29.5                      |                       |                            |
| Iso-pentane -----     | 0.477              | -28.7                      |                       |                            |
| N-pentane -----       | 0.539              | -29.2                      |                       |                            |
| Hexanes + -----       | 0.257              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1341

Specific gravity, calculated: 0.810

Remarks: C22303 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798156 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: State Peterson 2F-20H / Production Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 431502   
 Date Sampled: 7/02/2021 12:35 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | 0.0194             |                            |                       |                            |
| Hydrogen -----        | 3.93               |                            |                       |                            |
| Argon -----           | nd                 |                            |                       |                            |
| Oxygen -----          | 0.013              |                            |                       |                            |
| Nitrogen -----        | 0.69               |                            |                       |                            |
| Carbon Dioxide -----  | 0.71               | 0.2                        |                       |                            |
| Methane -----         | 81.15              | -52.6                      | -263                  |                            |
| Ethane -----          | 9.67               | -34.3                      |                       |                            |
| Ethylene -----        | 0.0074             |                            |                       |                            |
| Propane -----         | 2.98               | -29.8                      |                       |                            |
| Propylene -----       | 0.0001             |                            |                       |                            |
| Iso-butane -----      | 0.220              | -31.1                      |                       |                            |
| N-butane -----        | 0.400              | -28.0                      |                       |                            |
| Iso-pentane -----     | 0.0316             |                            |                       |                            |
| N-pentane -----       | 0.0256             |                            |                       |                            |
| Hexanes + -----       | 0.149              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1113

Specific gravity, calculated: 0.634

Remarks: C72629 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 798157 Job #: 48238 IS-94649 Co. Job#:   
 Sample Name: State Peterson 2F-20H / Surface Casing Co. Lab#:   
 Company: Crestone Peak Resources   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Bradenhead Testing   
 Location:   
 Formation:   
 Sampling Point: 431503   
 Date Sampled: 7/02/2021 12:30 Date Received: 7/20/2021 Date Reported: 8/13/2021

| Component             | Chemical<br>mol. % | $\delta^{13}\text{C}$<br>‰ | $\delta\text{D}$<br>‰ | $\delta^{15}\text{N}$<br>‰ |
|-----------------------|--------------------|----------------------------|-----------------------|----------------------------|
| Carbon Monoxide ----- | nd                 |                            |                       |                            |
| Helium -----          | nd                 |                            |                       |                            |
| Hydrogen -----        | nd                 |                            |                       |                            |
| Argon -----           | 0.0106             |                            |                       |                            |
| Oxygen -----          | 0.014              |                            |                       |                            |
| Nitrogen -----        | 0.76               |                            |                       |                            |
| Carbon Dioxide -----  | nd                 |                            |                       |                            |
| Methane -----         | 88.69              | -53.3                      | -293                  |                            |
| Ethane -----          | 6.86               | -33.7                      |                       |                            |
| Ethylene -----        | 0.0006             |                            |                       |                            |
| Propane -----         | 2.50               | -30.0                      |                       |                            |
| Propylene -----       | 0.0001             |                            |                       |                            |
| Iso-butane -----      | 0.241              | -31.4                      |                       |                            |
| N-butane -----        | 0.552              | -28.5                      |                       |                            |
| Iso-pentane -----     | 0.111              | -28.4                      |                       |                            |
| N-pentane -----       | 0.135              | -28.2                      |                       |                            |
| Hexanes + -----       | 0.124              |                            |                       |                            |

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1127

Specific gravity, calculated: 0.634

Remarks: C72629 8503

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.