

Lab #: 864380 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP03 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 12:20 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.956			
Oxygen -----	21.52			
Nitrogen -----	77.48			
Carbon Dioxide -----	0.041			
Methane -----	0.0026			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.001

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864381 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP05 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 12:08 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.945			
Oxygen -----	20.88			
Nitrogen -----	77.44			
Carbon Dioxide -----	0.73			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0005			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.004

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864382 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP06 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:06 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.941			
Oxygen -----	20.36			
Nitrogen -----	77.16			
Carbon Dioxide -----	1.54			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.008

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864383 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP07 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:12 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.944			
Oxygen -----	20.60			
Nitrogen -----	77.40			
Carbon Dioxide -----	1.06			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.005

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864384 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP08 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:18 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.944			
Oxygen -----	20.64			
Nitrogen -----	77.36			
Carbon Dioxide -----	1.06			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.005

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864385 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP09 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:26 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.943			
Oxygen -----	20.58			
Nitrogen -----	77.32			
Carbon Dioxide -----	1.16			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.006

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864386 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP11 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 12:14 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.946			
Oxygen -----	21.03			
Nitrogen -----	77.47			
Carbon Dioxide -----	0.55			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.003

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864387 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP12 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:00 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.936			
Oxygen -----	20.90			
Nitrogen -----	78.11			
Carbon Dioxide -----	0.051			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864388 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP13 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 10:54 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.948			
Oxygen -----	21.29			
Nitrogen -----	77.65			
Carbon Dioxide -----	0.11			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.001

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864389 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP14 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 12:02 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.941			
Oxygen -----	20.21			
Nitrogen -----	77.10			
Carbon Dioxide -----	1.75			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.009

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864390 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP15 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 12:38 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.946			
Oxygen -----	21.00			
Nitrogen -----	77.48			
Carbon Dioxide -----	0.57			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.003

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864391 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP16 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 12:26 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.945			
Oxygen -----	20.88			
Nitrogen -----	77.39			
Carbon Dioxide -----	0.78			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.004

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864392 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP17 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:32 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.944			
Oxygen -----	20.82			
Nitrogen -----	77.41			
Carbon Dioxide -----	0.83			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.004

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864393 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP18 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:38 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.945			
Oxygen -----	20.77			
Nitrogen -----	77.44			
Carbon Dioxide -----	0.84			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.004

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864394 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP19 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 12:32 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.943			
Oxygen -----	20.81			
Nitrogen -----	77.33			
Carbon Dioxide -----	0.92			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.005

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864395 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP20 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:56 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.947			
Oxygen -----	20.96			
Nitrogen -----	77.54			
Carbon Dioxide -----	0.55			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.003

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864396 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP21 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 10:48 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.942			
Oxygen -----	19.79			
Nitrogen -----	77.11			
Carbon Dioxide -----	2.16			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.010

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864397 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP22 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 10:40 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.948			
Oxygen -----	21.16			
Nitrogen -----	77.55			
Carbon Dioxide -----	0.34			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.002

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864398 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP23 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:50 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.941			
Oxygen -----	19.93			
Nitrogen -----	77.03			
Carbon Dioxide -----	2.10			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.010

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 864399 Job #: 54017 IS-107457 Co. Job#:
 Sample Name: SVP24 Co. Lab#:
 Company: Oxy USA Inc.
 API/Well:
 Container: IsoTube®
 Field/Site Name: Cook Donald GU 1
 Location:
 Formation:
 Sampling Point:
 Date Sampled: 3/17/2023 11:44 Date Received: 3/27/2023 Date Reported: 4/11/2023

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.941			
Oxygen -----	20.34			
Nitrogen -----	77.22			
Carbon Dioxide -----	1.50			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0003			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.007

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.