

Lab #: 659671 Job #: 37965 IS-100664 Co. Job#: \_\_\_\_\_  
 Sample Name: Ford Water Well Co. Lab#: \_\_\_\_\_  
 Company: XTO Energy  
 API/Well: \_\_\_\_\_  
 Container: IsoTube®  
 Field/Site Name: XTO Jones  
 Location: \_\_\_\_\_  
 Formation: \_\_\_\_\_  
 Sampling Point: \_\_\_\_\_  
 Date Sampled: 4/05/2018 11:05 Date Received: 4/10/2018 Date Reported: 4/11/2018

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	0.0102			
Hydrogen -----	nd			
Argon -----	0.0381			
Oxygen -----	0.13			
Nitrogen -----	2.35			
Carbon Dioxide -----	0.016			
Methane -----	97.22	-37.85	-153.7	
Ethane -----	0.225	-30.33		
Ethylene -----	nd			
Propane -----	0.0099			
Propylene -----	nd			
Iso-butane -----	0.0011			
N-butane -----	0.0012			
Iso-pentane -----	0.0002			
N-pentane -----	0.0002			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 990

Specific gravity, calculated: 0.566

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 #: 659672      Job #: 37965      IS-100664      Co. Job#: \_\_\_\_\_  
 Sample Name: Evans 26 Surface      Co. Lab#: \_\_\_\_\_  
 Company: XTO Energy  
 API/Well: \_\_\_\_\_  
 Container: IsoTube®  
 Field/Site Name: XTO Jones  
 Location: \_\_\_\_\_  
 Formation: \_\_\_\_\_  
 Sampling Point: \_\_\_\_\_  
 Date Sampled: 4/02/2018 13:35      Date Received: 4/10/2018      Date Reported: 4/11/2018

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	0.0067			
Hydrogen -----	nd			
Argon -----	0.0150			
Oxygen -----	0.32			
Nitrogen -----	1.16			
Carbon Dioxide -----	1.80			
Methane -----	96.12	-36.60	-150.1	
Ethane -----	0.536	-26.87		
Ethylene -----	nd			
Propane -----	0.0265			
Propylene -----	nd			
Iso-butane -----	0.0028			
N-butane -----	0.0035			
Iso-pentane -----	0.0008			
N-pentane -----	0.0005			
Hexanes + -----	0.0036			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 985

Specific gravity, calculated: 0.581

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 #: 659673      Job #: 37965      IS-100664      Co. Job#: \_\_\_\_\_  
 Sample Name: Ford 1      Co. Lab#: \_\_\_\_\_  
 Company: XTO Energy  
 API/Well: \_\_\_\_\_  
 Container: IsoTube®  
 Field/Site Name: XTO Jones  
 Location: \_\_\_\_\_  
 Formation: \_\_\_\_\_  
 Sampling Point: \_\_\_\_\_  
 Date Sampled: 4/05/2018 10:40      Date Received: 4/10/2018      Date Reported: 4/11/2018

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	0.0453			
Hydrogen -----	nd			
Argon -----	0.0131			
Oxygen -----	0.076			
Nitrogen -----	3.57			
Carbon Dioxide -----	1.07			
Methane -----	89.40	-38.68	-151.7	
Ethane -----	4.10	-24.86		
Ethylene -----	nd			
Propane -----	0.887	-24.04		
Propylene -----	nd			
Iso-butane -----	0.149			
N-butane -----	0.203			
Iso-pentane -----	0.0933			
N-pentane -----	0.0751			
Hexanes + -----	0.318			

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

Specific gravity, calculated: 0.624

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. %.