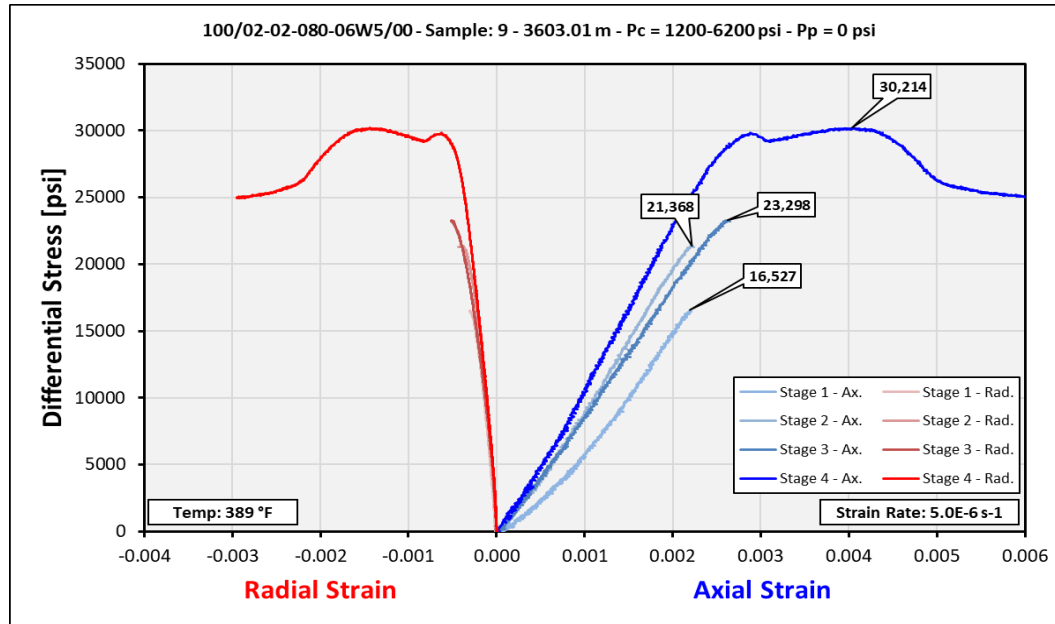


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada
Sample ID: 9 (Old); 25BA022 (New)

Date: 31-Mar-2025
File: 202500182
Saturated Fluid: As-Received

Result of Triaxial Compressive Strength Test

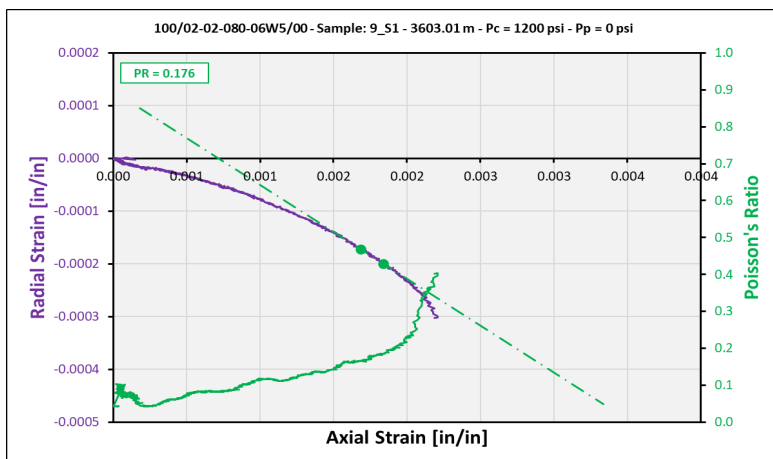
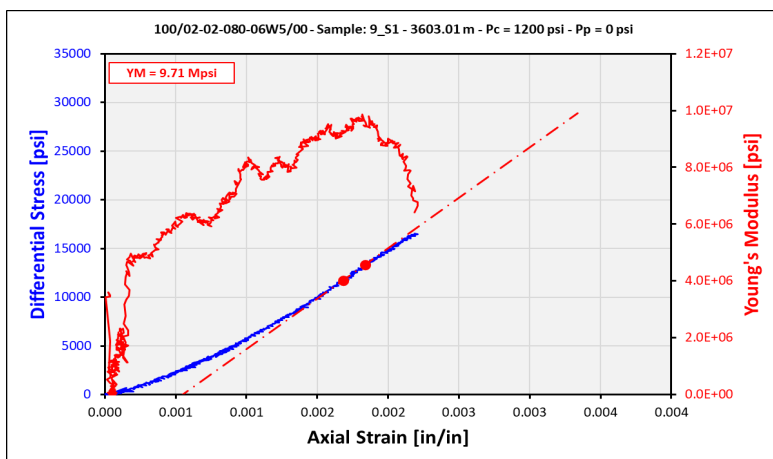


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

Date: 31-Mar-2025
 File: 202500182
 Saturated Fluid: As-Received

Result of Triaxial Compressive Strength Test - Stage 1

Sample Information		Results	
Sample Name:	9_S1	Max. Compressive Stress [psi]:	17727
Depth [m]:	3603.01	Scaled Compressive Strength [psi]:	19728
Length [in]:	1.6933	Static Elastic Parameters	
Diameter [in]:	0.9811		
L:D Ratio:	1.726		YM & PR
As-Received Mass [g]:	57.600	Young's Modulus [Mpsi]:	7.89 45%
As-Received Density [g/cm ³]:	2.746	Poisson's Ratio:	0.130 55%
Tested Mass [g]:	57.600	Young's Modulus [Mpsi]:	9.71 71%
Tested Density [g/cm ³]:	2.746	Poisson's Ratio:	0.176 81%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	8.17 30%
Testing Conditions		Poisson's Ratio:	0.116 50%
		Young's Modulus [Mpsi]:	8.57 33%
Confining Pressure [psi]:	1200	Poisson's Ratio:	0.129 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	#N/A #N/A
Temperature [°F]:	391.9	Poisson's Ratio:	#N/A #N/A
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

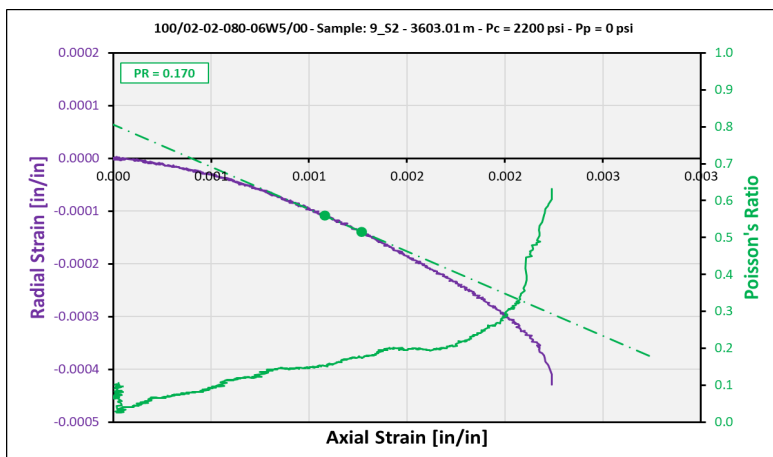
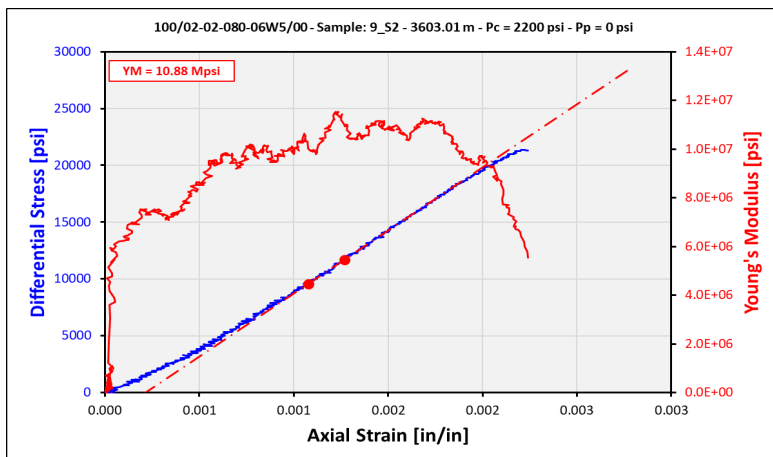


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

Date: 31-Mar-2025
 File: 202500182
 Saturated Fluid: As-Received

Result of Triaxial Compressive Strength Test - Stage 2

Sample Information		Results	
Sample Name:	9_S2	Max. Compressive Stress [psi]:	23568
Depth [m]:	3603.01	Scaled Compressive Strength [psi]:	23065
Length [in]:	1.6933	Static Elastic Parameters	
Diameter [in]:	0.9811		
L:D Ratio:	1.726	YM & PR	
As-Received Mass [g]:	57.600	Young's Modulus [Mpsi]:	10.88 45%
As-Received Density [g/cm ³]:	2.746	Poisson's Ratio:	0.170 55%
Tested Mass [g]:	57.600	Young's Modulus [Mpsi]:	11.32 47%
Tested Density [g/cm ³]:	2.746	Poisson's Ratio:	0.173 57%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	10.19 30%
Testing Conditions		Poisson's Ratio:	0.151 50%
		Young's Modulus [Mpsi]:	10.71 33%
Confining Pressure [psi]:	2200	Poisson's Ratio:	0.170 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	#N/A #N/A
Temperature [°F]:	383.9	Poisson's Ratio:	#N/A #N/A
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

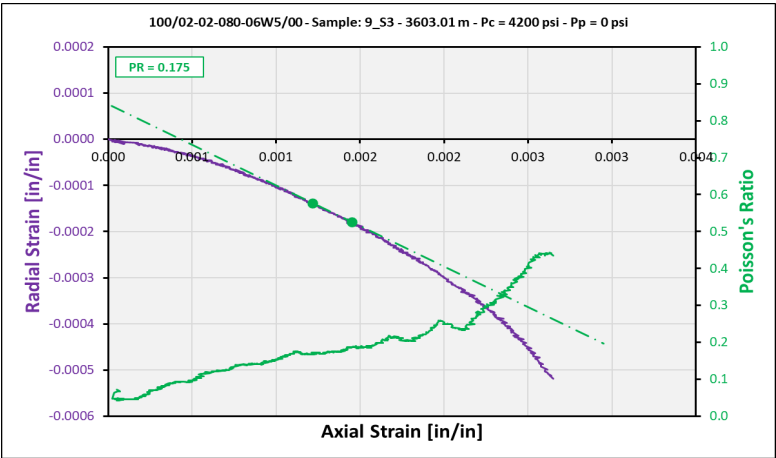
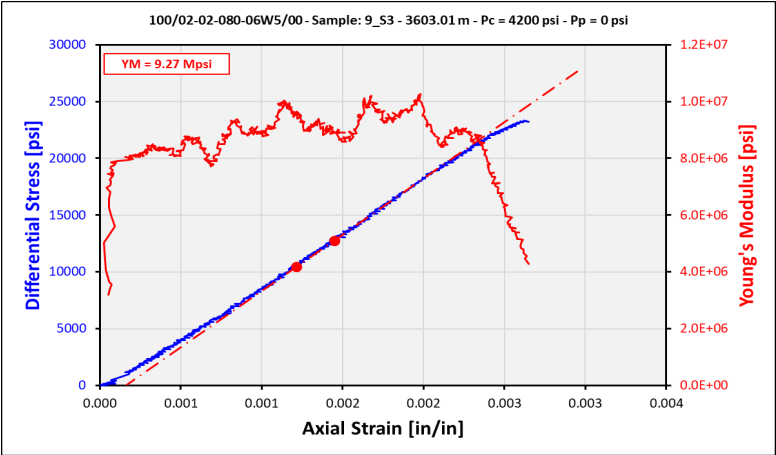


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada

Date: 31-Mar-2025
File: 202500182
Saturated Fluid: As-Received

Result of Triaxial Compressive Strength Test - Stage 3

Sample Information		Results	
Sample Name:	9_S3	Max. Compressive Stress [psi]:	27498
Depth [m]:	3603.01	Scaled Compressive Strength [psi]:	29740
Length [in]:	1.6933	Static Elastic Parameters	
Diameter [in]:	0.9811		
L:D Ratio:	1.726	YM & PR	
As-Received Mass [g]:	57.600	Young's Modulus [Mpsi]:	9.27 45%
As-Received Density [g/cm³]:	2.746	Poisson's Ratio:	0.175 55%
Tested Mass [g]:	57.600	Young's Modulus [Mpsi]:	9.95 71%
Tested Density [g/cm³]:	2.746	Poisson's Ratio:	0.247 81%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	9.25 20%
Testing Conditions		Poisson's Ratio:	0.148 45%
		Young's Modulus [Mpsi]:	9.59 33%
Confining Pressure [psi]:	4200	Poisson's Ratio:	0.181 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	8.91 11%
Temperature [°F]:	392.5	Poisson's Ratio:	0.244 21%
Nominal Strain Rate [s⁻¹]:	5.0E-06		



Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

Date: 31-Mar-2025
 File: 202500182
 Saturated Fluid: As-Received

Result of Triaxial Compressive Strength Test - Stage 4

Sample Information		Results	
Sample Name:	9_S4	Compressive Strength [psi]:	36414
Depth [m]:	3603.01	Static Elastic Parameters	
Length [in]:	1.6933		
Diameter [in]:	0.9811	YM & PR	
L:D Ratio:	1.726		
As-Received Mass [g]:	57.600	Young's Modulus [Mpsi]:	11.52 45%
As-Received Density [g/cm ³]:	2.746	Poisson's Ratio:	0.187 55%
Tested Mass [g]:	57.600	Young's Modulus [Mpsi]:	12.90 31%
Tested Density [g/cm ³]:	2.746	Poisson's Ratio:	0.192 41%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	12.35 20%
Testing Conditions		Poisson's Ratio:	0.176 45%
		Young's Modulus [Mpsi]:	12.23 33%
Confining Pressure [psi]:	6200	Poisson's Ratio:	0.192 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	12.38 2%
Temperature [°F]:	386.6	Poisson's Ratio:	0.200 12%
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

