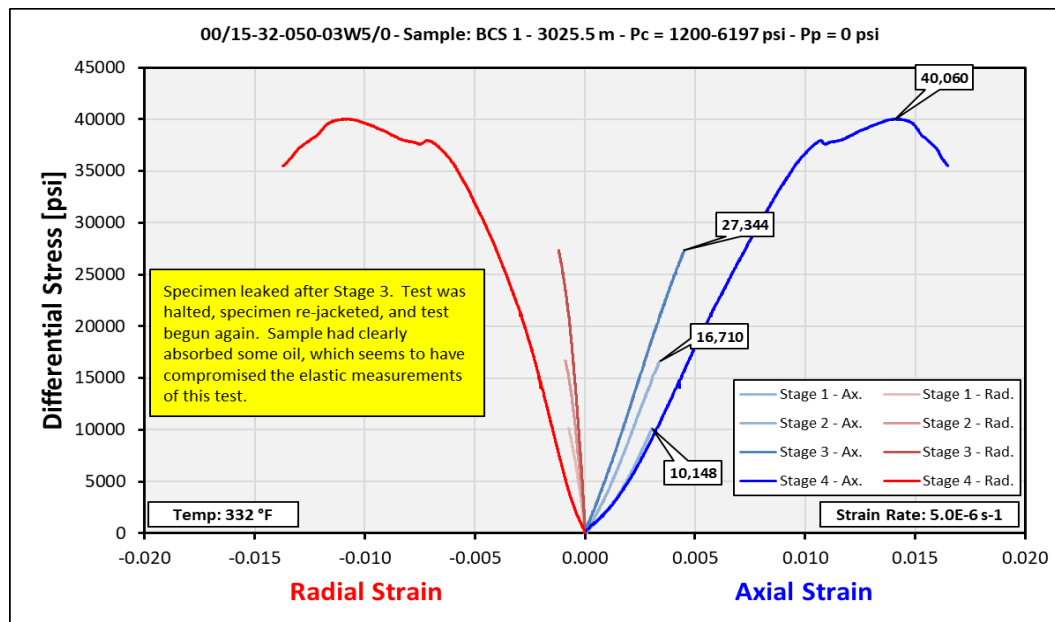


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada
Sample ID: BCS 1 (Old); 25BCS001 (New)

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

Result of Triaxial Compressive Strength Test

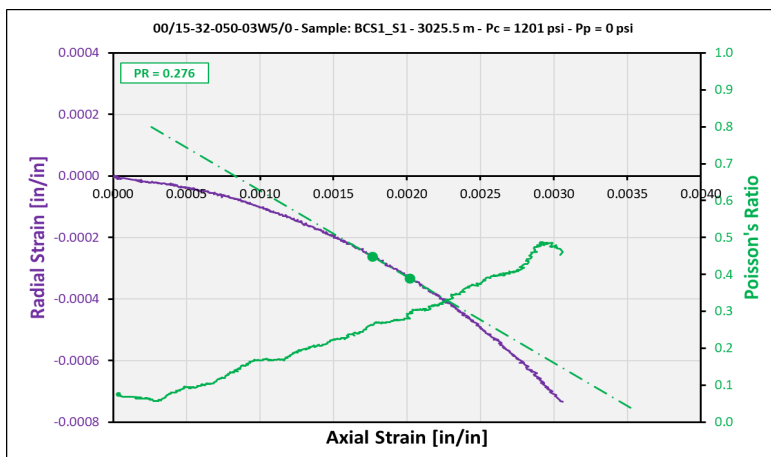
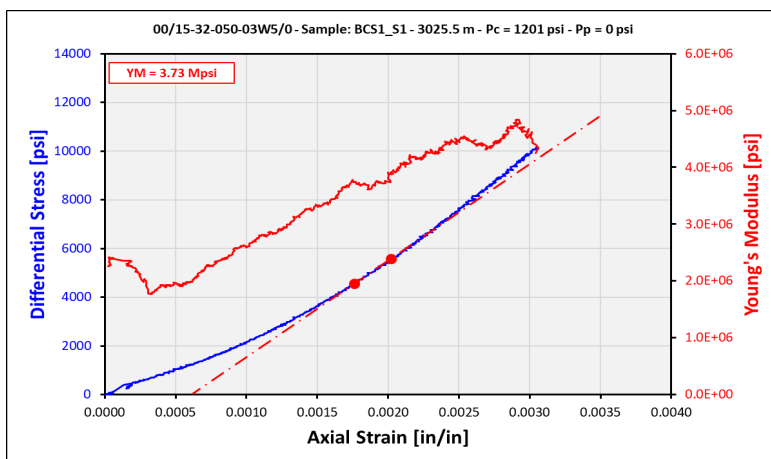


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 1

Sample Information		Results	
Sample Name:	BCS1_S1	Max. Compressive Stress [psi]:	11349
Depth [m]:	3025.50	Static Elastic Parameters	
Length [in]:	2.1688		
Diameter [in]:	1.4958	YM & PR Range	
L:D Ratio:	1.450		
As-Received Mass [g]:	153.500	Young's Modulus [Mpsi]:	3.73 45%
As-Received Density [g/cm ³]:	2.458	Poisson's Ratio:	0.276 55%
Tested Mass [g]:	153.500	Young's Modulus [Mpsi]:	4.81 88%
Tested Density [g/cm ³]:	2.458	Poisson's Ratio:	0.483 98%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	3.49 30%
Testing Conditions		Poisson's Ratio:	0.238 50%
		Young's Modulus [Mpsi]:	3.77 33%
Confining Pressure [psi]:	1201	Poisson's Ratio:	0.273 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	3.62 44%
Temperature [°F]:	335.1	Poisson's Ratio:	0.269 54%
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

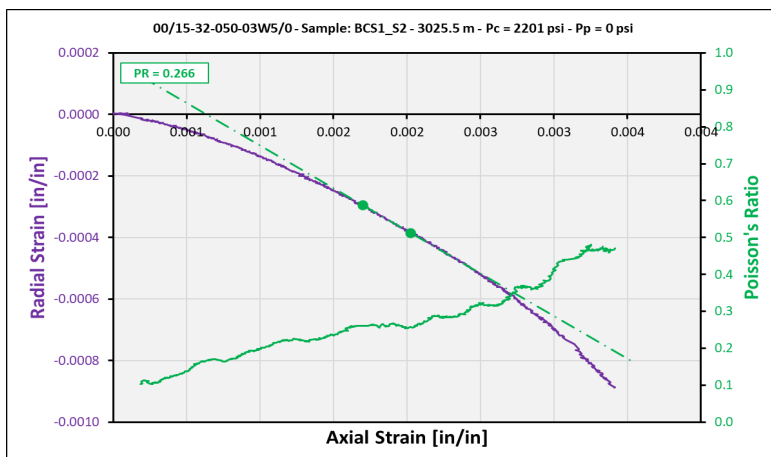
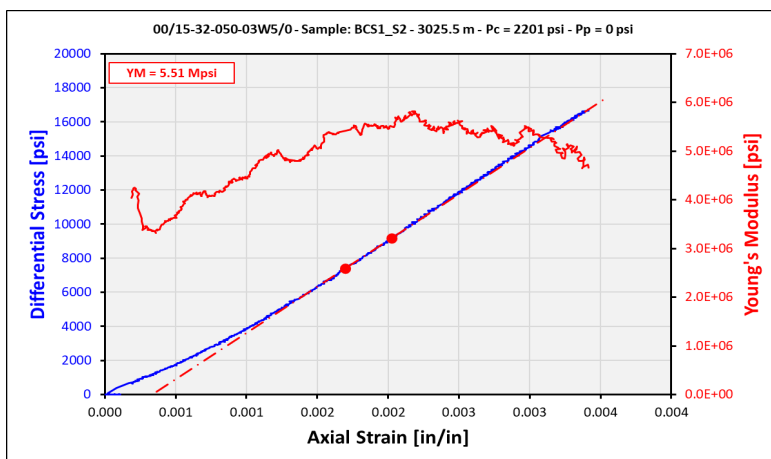


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 2

Sample Information		Results	
Sample Name:	BCS1_S2	Max. Compressive Stress [psi]:	18911
Depth [m]:	3025.50	Static Elastic Parameters	
Length [in]:	2.1688		
Diameter [in]:	1.4958	YM & PR Range	
L:D Ratio:	1.450		
As-Received Mass [g]:	153.500	Young's Modulus [Mpsi]:	5.51 45%
As-Received Density [g/cm ³]:	2.458	Poisson's Ratio:	0.266 55%
Tested Mass [g]:	153.500	Young's Modulus [Mpsi]:	5.74 55%
Tested Density [g/cm ³]:	2.458	Poisson's Ratio:	0.283 65%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	5.23 30%
Testing Conditions		Poisson's Ratio:	0.247 50%
		Young's Modulus [Mpsi]:	5.50 33%
Confining Pressure [psi]:	2201	Poisson's Ratio:	0.262 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	4.78 21%
Temperature [°F]:	332.0	Poisson's Ratio:	0.214 31%
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

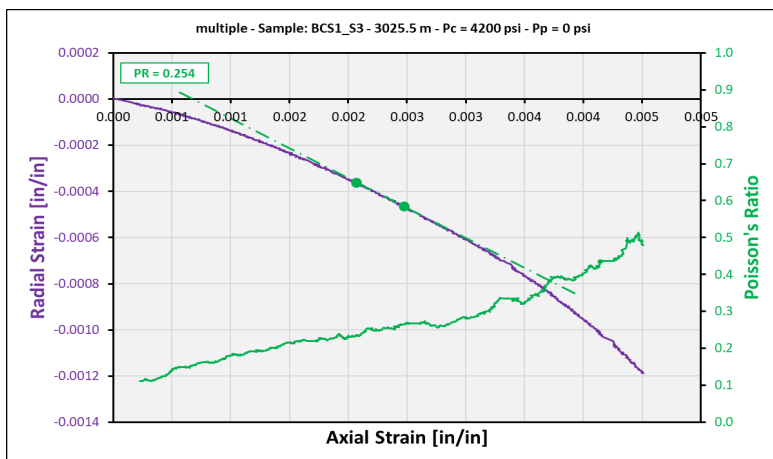
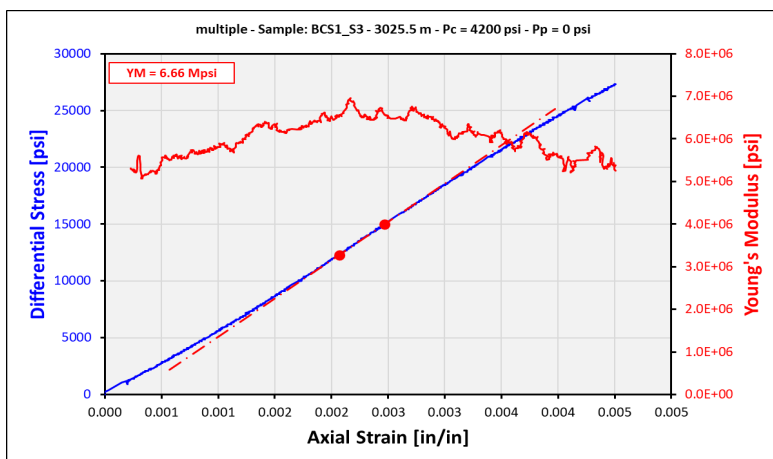


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 3

Sample Information		Results	
Sample Name:	BCS1_S3	Max. Compressive Stress [psi]:	31544
Depth [m]:	3025.50	Static Elastic Parameters	
Length [in]:	2.1688		
Diameter [in]:	1.4958	YM & PR Range	
L:D Ratio:	1.450		
As-Received Mass [g]:	153.500	Young's Modulus [Mpsi]:	6.66 45%
As-Received Density [g/cm ³]:	2.458	Poisson's Ratio:	0.254 55%
Tested Mass [g]:	153.500	Young's Modulus [Mpsi]:	6.72 41%
Tested Density [g/cm ³]:	2.458	Poisson's Ratio:	0.243 51%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	6.42 25%
Testing Conditions		Poisson's Ratio:	0.224 50%
		Young's Modulus [Mpsi]:	6.59 33%
Confining Pressure [psi]:	4200	Poisson's Ratio:	0.251 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	5.42 5%
Temperature [°F]:	322.5	Poisson's Ratio:	0.134 15%
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:	BCS1_S4	Compressive Strength [psi]: 46257	
Depth [m]:	3025.50	Static Elastic Parameters	
Length [in]:	2.1688		
Diameter [in]:	1.4958	YM & PR Range	
L:D Ratio:	1.450		
As-Received Mass [g]:	153.500	Young's Modulus [Mpsi]:	4.30 45%
As-Received Density [g/cm ³]:	2.458	Poisson's Ratio:	0.650 55%
Tested Mass [g]:	153.500	Young's Modulus [Mpsi]:	4.88 36%
Tested Density [g/cm ³]:	2.458	Poisson's Ratio:	0.589 46%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	4.48 20%
Testing Conditions		Poisson's Ratio:	0.548 45%
		Young's Modulus [Mpsi]:	4.33 33%
Confining Pressure [psi]:	6197	Poisson's Ratio:	0.657 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	#N/A #N/A
Temperature [°F]:	332.2	Poisson's Ratio:	#N/A #N/A
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

