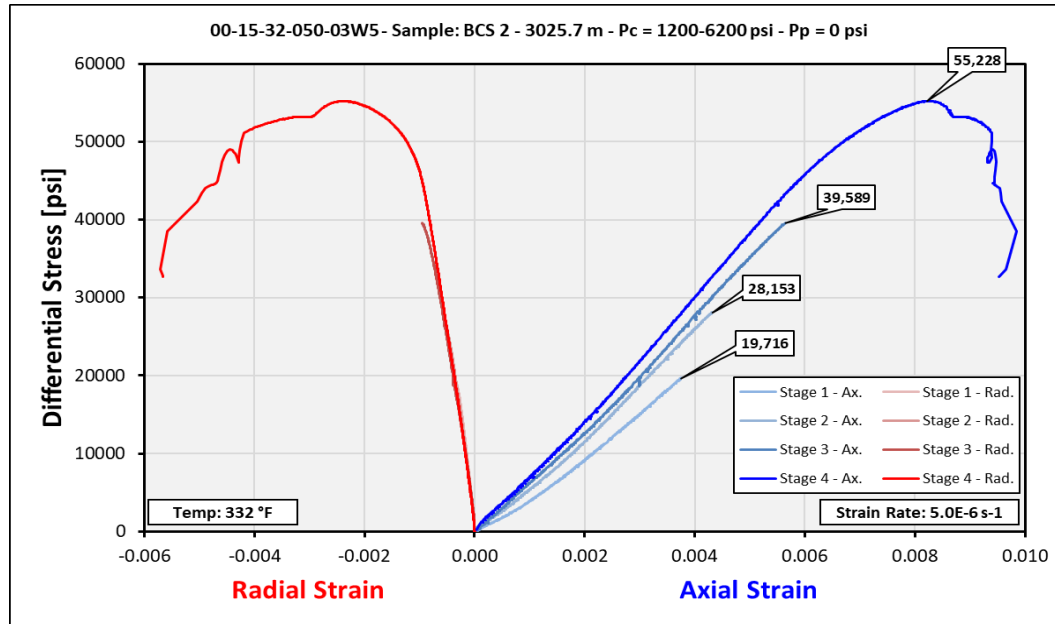


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada
Sample ID: BCS 2 (Old); 25BCS002 (New)

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

Result of Triaxial Compressive Strength Test

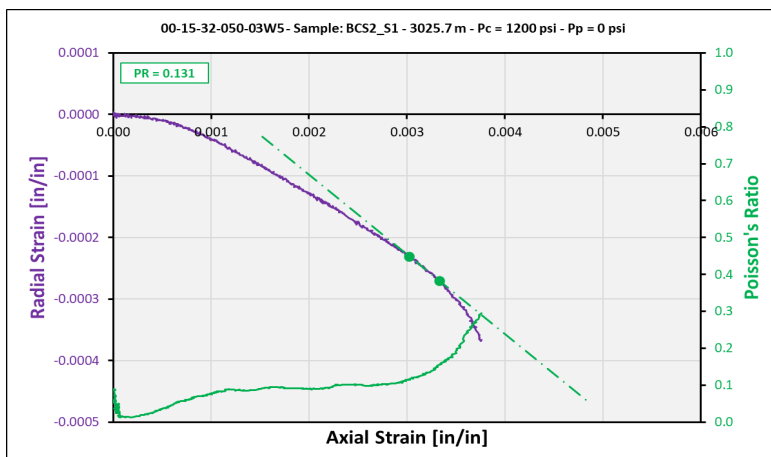
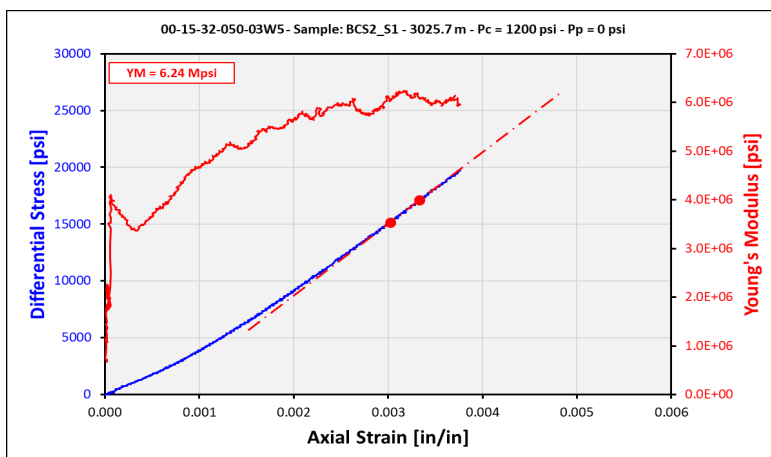


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 1

Sample Information		Results	
Sample Name:	BCS2_S1	Max. Compressive Stress [psi]:	20916
Depth [m]:	3025.70	Scaled Compressive Strength [psi]:	25941
Length [in]:	2.2134	Static Elastic Parameters	
Diameter [in]:	1.4976		
L:D Ratio:	1.478	YM & PR	
As-Received Mass [g]:	156.900	Range	
As-Received Density [g/cm ³]:	2.456	Young's Modulus [Mpsi]:	5.79 45%
Tested Mass [g]:	156.900	Poisson's Ratio:	0.091 55%
Tested Density [g/cm ³]:	2.456	Young's Modulus [Mpsi]:	6.24 77%
Saturation State:	As-Received	Poisson's Ratio:	0.131 87%
Testing Conditions		Young's Modulus [Mpsi]:	5.49 30%
		Poisson's Ratio:	0.093 50%
Confining Pressure [psi]:	1200	Young's Modulus [Mpsi]:	5.75 33%
Pore Pressure [psi]:	0	Poisson's Ratio:	0.095 67%
Temperature [°F]:	385.3	Young's Modulus [Mpsi]:	5.10 22%
Nominal Strain Rate [s ⁻¹]:	5.0E-06	Poisson's Ratio:	0.087 32%

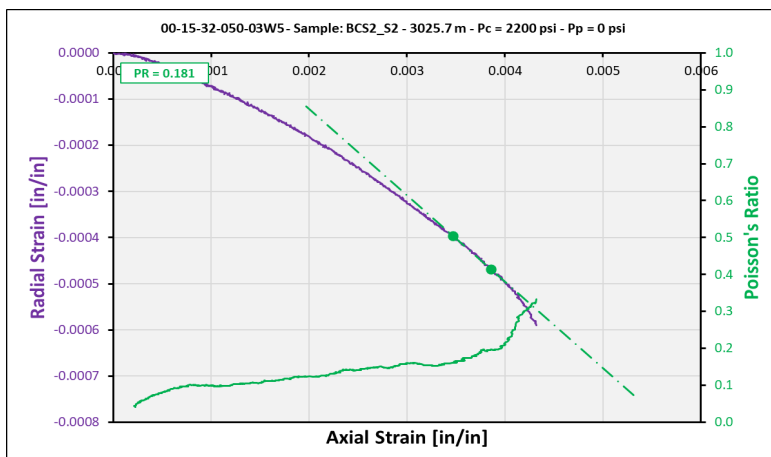
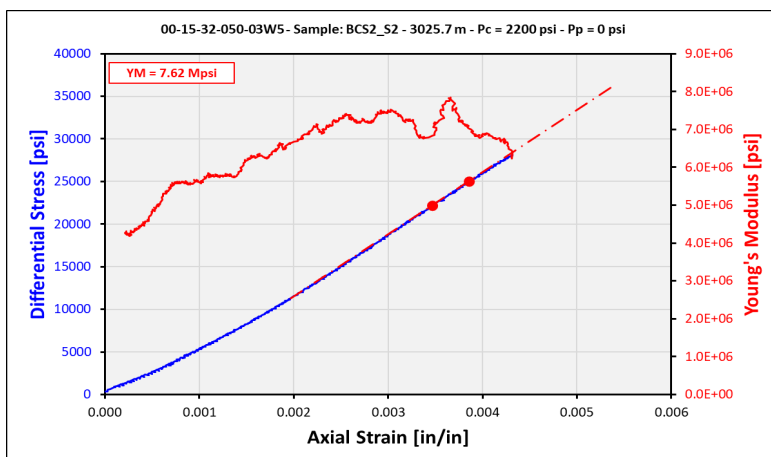


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 2

Sample Information		Results	
Sample Name:	BCS2_S2	Max. Compressive Stress [psi]:	30353
Depth [m]:	3025.70	Scaled Compressive Strength [psi]:	33039
Length [in]:	2.2134	Static Elastic Parameters	
Diameter [in]:	1.4976		
L:D Ratio:	1.478	YM & PR	
As-Received Mass [g]:	156.900	Range	
As-Received Density [g/cm ³]:	2.456	Young's Modulus [Mpsi]:	7.12 45%
Tested Mass [g]:	156.900	Poisson's Ratio:	0.141 55%
Tested Density [g/cm ³]:	2.456	Young's Modulus [Mpsi]:	7.62 79%
Saturation State:	As-Received	Poisson's Ratio:	0.181 89%
Testing Conditions		Young's Modulus [Mpsi]:	6.66 30%
		Poisson's Ratio:	0.123 50%
Confining Pressure [psi]:	2200	Young's Modulus [Mpsi]:	7.07 33%
Pore Pressure [psi]:	0	Poisson's Ratio:	0.136 67%
Temperature [°F]:	383.6	Young's Modulus [Mpsi]:	5.65 12%
Nominal Strain Rate [s ⁻¹]:	5.0E-06	Poisson's Ratio:	0.100 22%

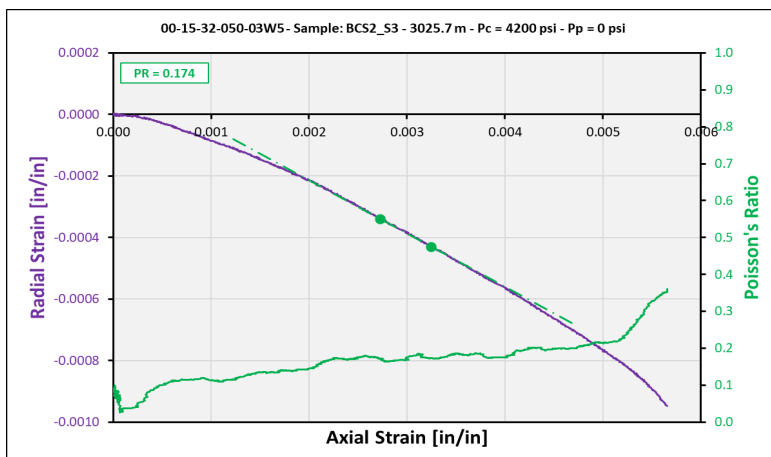
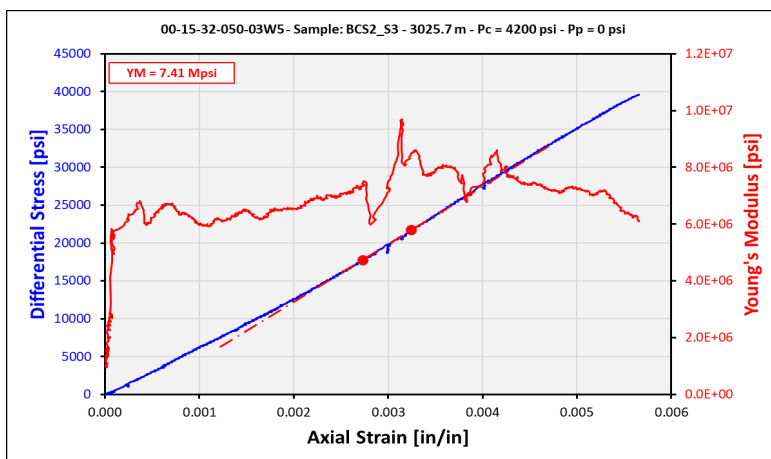


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 3

Sample Information		Results	
Sample Name:	BCS2_S3	Max. Compressive Stress [psi]:	43789
Depth [m]:	3025.70	Scaled Compressive Strength [psi]:	47233
Length [in]:	2.2134	Static Elastic Parameters	
Diameter [in]:	1.4976		
L:D Ratio:	1.478	YM & PR	
As-Received Mass [g]:	156.900	Range	
As-Received Density [g/cm ³]:	2.456	Young's Modulus [Mpsi]:	7.41 45%
Tested Mass [g]:	156.900	Poisson's Ratio:	0.174 55%
Tested Density [g/cm ³]:	2.456	Young's Modulus [Mpsi]:	8.51 49%
Saturation State:	As-Received	Poisson's Ratio:	0.178 59%
Testing Conditions		Young's Modulus [Mpsi]:	6.86 25%
		Poisson's Ratio:	0.164 50%
Confining Pressure [psi]:	4200	Young's Modulus [Mpsi]:	7.57 33%
Pore Pressure [psi]:	0	Poisson's Ratio:	0.177 67%
Temperature [°F]:	382.3	Young's Modulus [Mpsi]:	6.45 4%
Nominal Strain Rate [s ⁻¹]:	5.0E-06	Poisson's Ratio:	0.106 14%



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:	BCS2_S4	Compressive Strength [psi]: 61428	
Depth [m]:	3025.70	Static Elastic Parameters	
Length [in]:	2.2134		
Diameter [in]:	1.4976	YM & PR Range	
L:D Ratio:	1.478		
As-Received Mass [g]:	156.900	Young's Modulus [Mpsi]:	8.22 45%
As-Received Density [g/cm ³]:	2.456	Poisson's Ratio:	0.180 55%
Tested Mass [g]:	156.900	Young's Modulus [Mpsi]:	8.35 50%
Tested Density [g/cm ³]:	2.456	Poisson's Ratio:	0.182 60%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	7.83 20%
Testing Conditions		Poisson's Ratio:	0.165 45%
		Young's Modulus [Mpsi]:	8.21 33%
Confining Pressure [psi]:	6200	Poisson's Ratio:	0.181 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	#N/A #N/A
Temperature [°F]:	380.1	Poisson's Ratio:	#N/A #N/A
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

