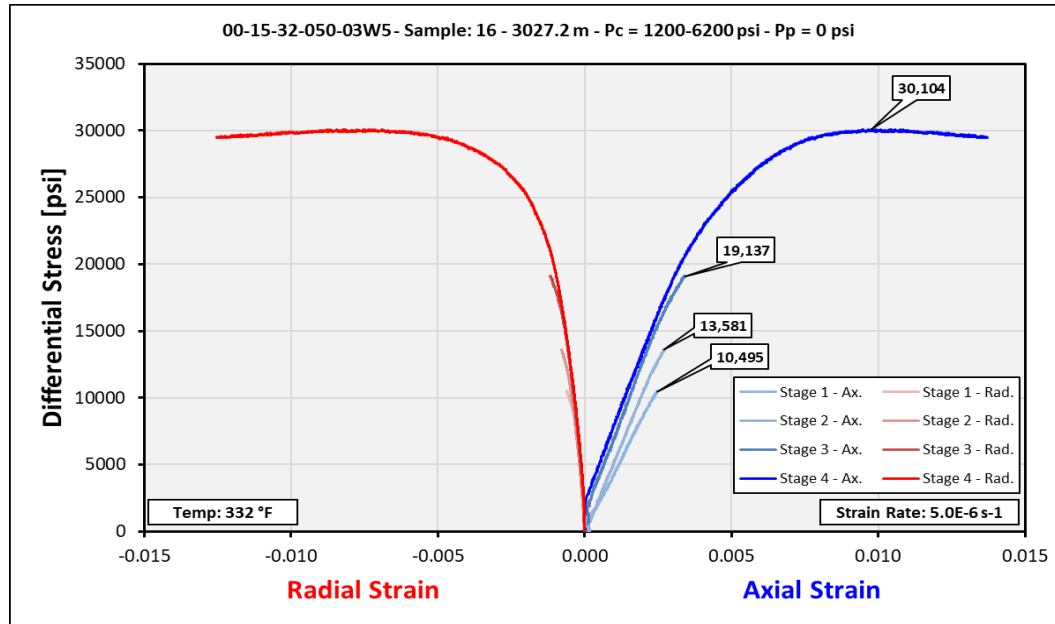


Company: Alberta Geological Survey, Alberta Energy Regulator  
Well: Multiple Wells  
Field: #N/A  
Location: Onshore, Canada  
Sample ID: 16 (Old); 25BA029 (New)

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

### Result of Triaxial Compressive Strength Test

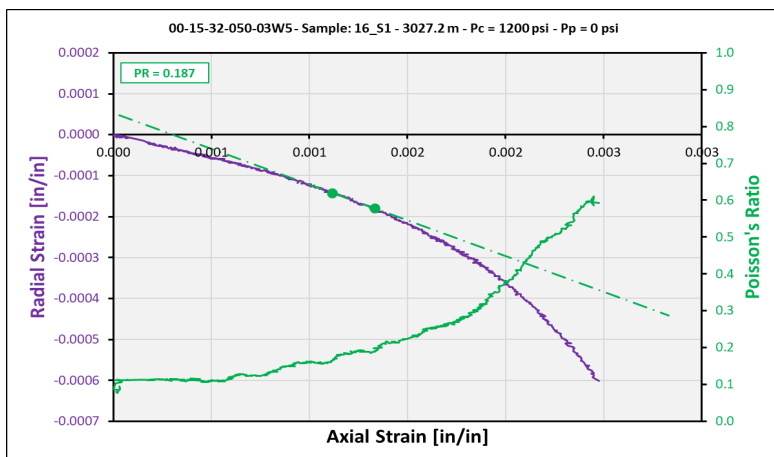
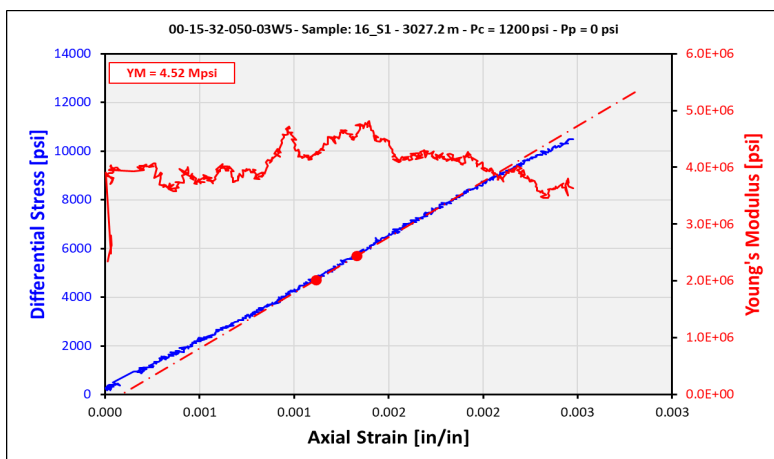


Company: Alberta Geological Survey, Alberta Energy Regulator  
 Well: Multiple Wells  
 Field: #N/A  
 Location: Onshore, Canada

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

### Result of Triaxial Compressive Strength Test - Stage 1

Sample Information		Results	
Sample Name:	16_S1	Max. Compressive Stress [psi]:	11695
Depth [m]:	3027.20	Scaled Compressive Strength [psi]:	19535
Length [in]:	1.6168	Static Elastic Parameters	
Diameter [in]:	0.9823		
L:D Ratio:	1.646	YM & PR	
As-Received Mass [g]:	49.700	Young's Modulus [Mpsi]:	4.52 45%
As-Received Density [g/cm <sup>3</sup> ]:	2.475	Poisson's Ratio:	0.187 55%
Tested Mass [g]:	49.700	Young's Modulus [Mpsi]:	4.77 53%
Tested Density [g/cm <sup>3</sup> ]:	2.475	Poisson's Ratio:	0.215 63%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	4.22 25%
Testing Conditions		Poisson's Ratio:	0.149 50%
		Young's Modulus [Mpsi]:	4.53 33%
Confining Pressure [psi]:	1200	Poisson's Ratio:	0.185 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	4.34 42%
Temperature [°F]:	326.9	Poisson's Ratio:	0.178 52%
Nominal Strain Rate [s <sup>-1</sup> ]:	5.0E-06		

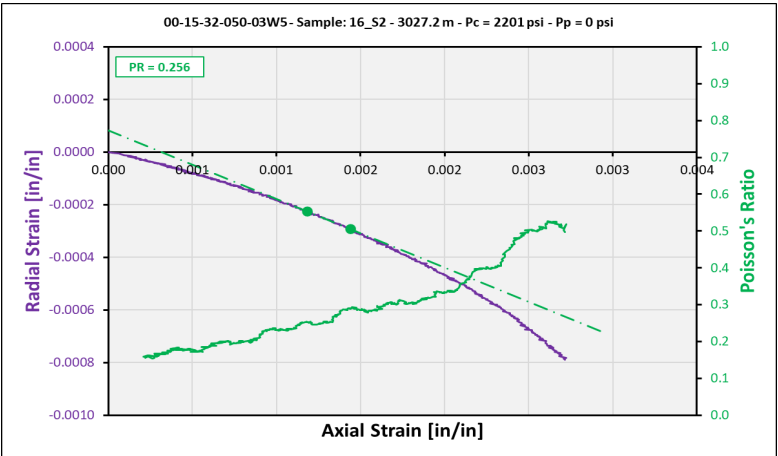
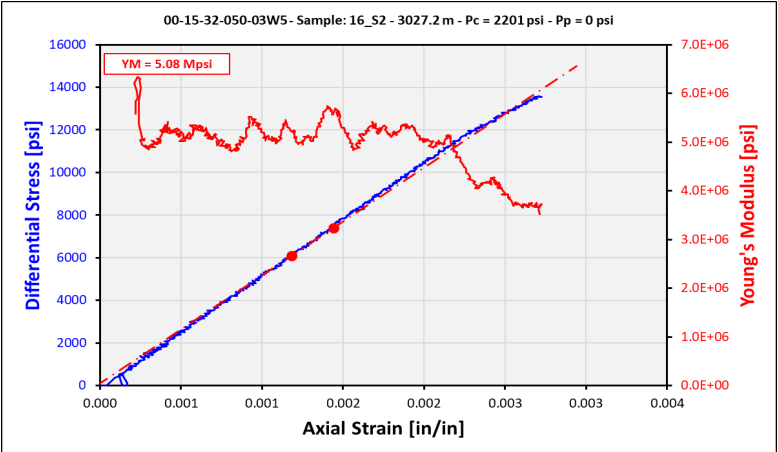


Company: Alberta Geological Survey, Alberta Energy Regulator  
Well: Multiple Wells  
Field: #N/A  
Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 2

Sample Information		Results	
Sample Name:	16_S2	Max. Compressive Stress [psi]:	15782
Depth [m]:	3027.20	Scaled Compressive Strength [psi]:	22892
Length [in]:	1.6168	Static Elastic Parameters	
Diameter [in]:	0.9823		
L:D Ratio:	1.646	YM & PR	
As-Received Mass [g]:	49.700	Young's Modulus [Mpsi]:	5.08 45%
As-Received Density [g/cm³]:	2.475	Poisson's Ratio:	0.256 55%
Tested Mass [g]:	49.700	Young's Modulus [Mpsi]:	5.67 50%
Tested Density [g/cm³]:	2.475	Poisson's Ratio:	0.290 60%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	5.26 15%
Testing Conditions		Poisson's Ratio:	0.202 40%
		Young's Modulus [Mpsi]:	5.33 33%
Confining Pressure [psi]:	2201	Poisson's Ratio:	0.266 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	4.93 25%
Temperature [°F]:	327.6	Poisson's Ratio:	0.200 35%
Nominal Strain Rate [s⁻¹]:	5.0E-06		

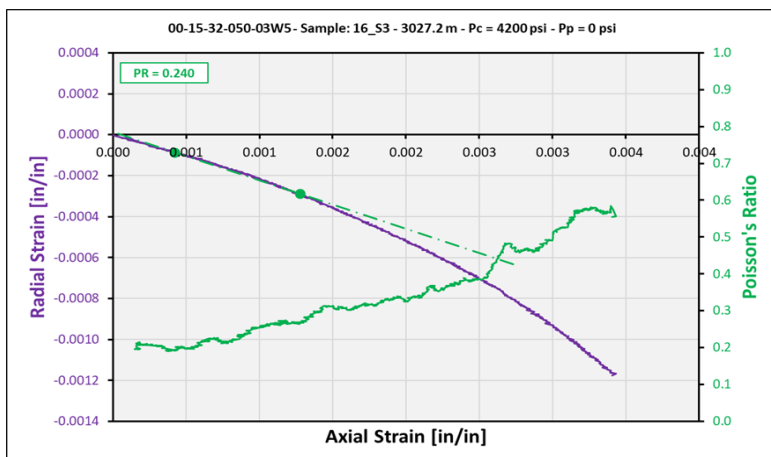
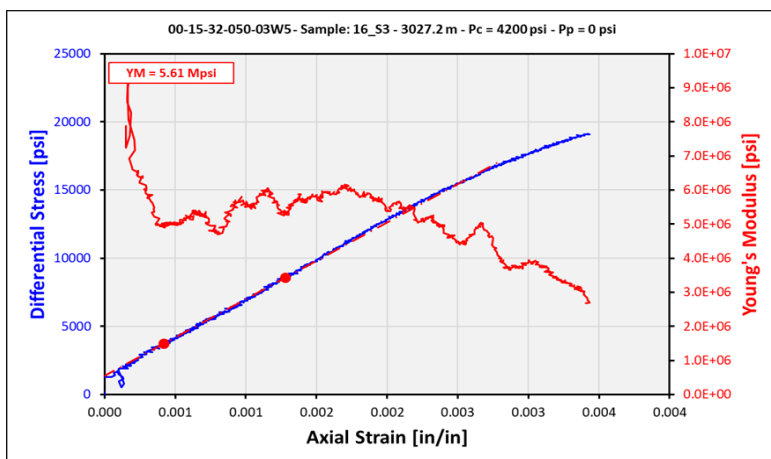


Company: Alberta Geological Survey, Alberta Energy Regulator  
 Well: Multiple Wells  
 Field: #N/A  
 Location: Onshore, Canada

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

### Result of Triaxial Compressive Strength Test - Stage 3

Sample Information		Results	
Sample Name:	16_S3	Max. Compressive Stress [psi]:	23338
Depth [m]:	3027.20	Scaled Compressive Strength [psi]:	29597
Length [in]:	1.6168	Static Elastic Parameters	
Diameter [in]:	0.9823		
L:D Ratio:	1.646	YM & PR	
As-Received Mass [g]:	49.700	Young's Modulus [Mpsi]:	5.88 45%
As-Received Density [g/cm <sup>3</sup> ]:	2.475	Poisson's Ratio:	0.309 55%
Tested Mass [g]:	49.700	Young's Modulus [Mpsi]:	6.06 51%
Tested Density [g/cm <sup>3</sup> ]:	2.475	Poisson's Ratio:	0.313 61%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	5.61 20%
Testing Conditions		Poisson's Ratio:	0.240 45%
Confining Pressure [psi]:	4200	Young's Modulus [Mpsi]:	5.92 33%
Pore Pressure [psi]:	0	Poisson's Ratio:	0.299 67%
Temperature [°F]:	327.8	Young's Modulus [Mpsi]:	6.95 7%
Nominal Strain Rate [s <sup>-1</sup> ]:	5.0E-06	Poisson's Ratio:	0.210 17%



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:	16_S4	Compressive Strength [psi]:	36305
Depth [m]:	3027.20	Static Elastic Parameters	
Length [in]:	1.6168		
Diameter [in]:	0.9823	YM & PR	
L:D Ratio:	1.646		
As-Received Mass [g]:	49.700	Young's Modulus [Mpsi]:	5.44 45%
As-Received Density [g/cm <sup>3</sup> ]:	2.475	Poisson's Ratio:	0.371 55%
Tested Mass [g]:	49.700	Young's Modulus [Mpsi]:	5.72 11%
Tested Density [g/cm <sup>3</sup> ]:	2.475	Poisson's Ratio:	0.218 21%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	5.70 15%
Testing Conditions		Poisson's Ratio:	0.274 40%
		Young's Modulus [Mpsi]:	5.32 33%
Confining Pressure [psi]:	6200	Poisson's Ratio:	0.376 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	#N/A #N/A
Temperature [°F]:	333.1	Poisson's Ratio:	#N/A #N/A
Nominal Strain Rate [s <sup>-1</sup> ]:	5.0E-06		

