

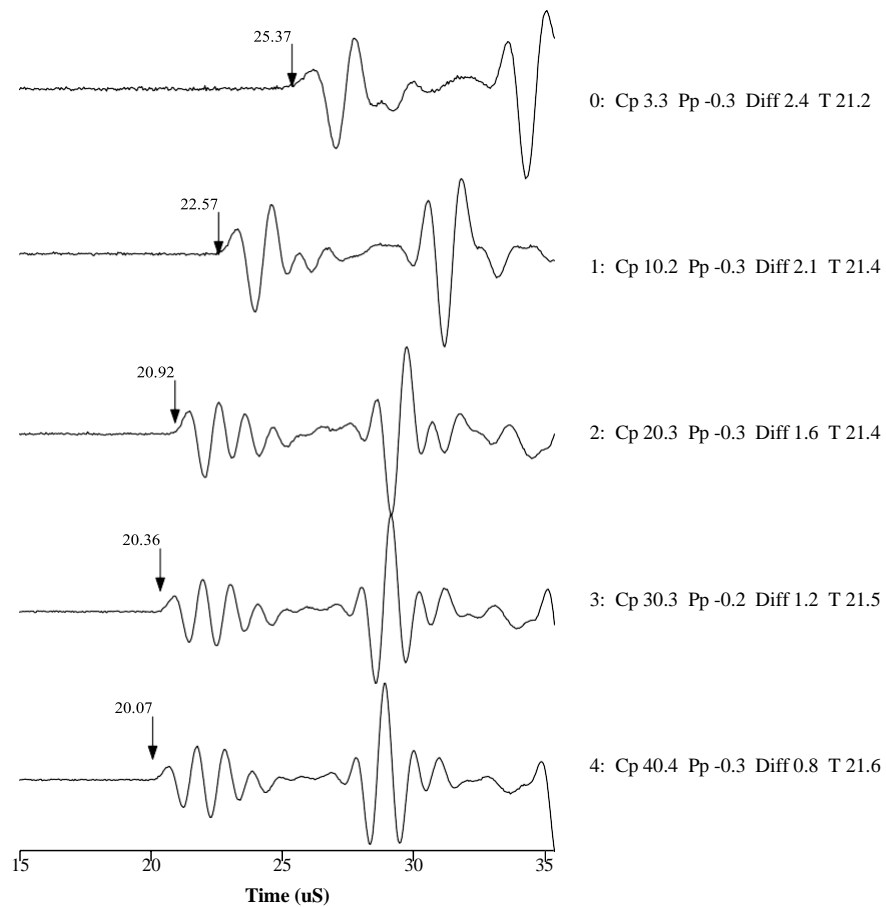
Ultrasonic Velocity Measurement Report

Sample and Experiment Information			
Well:	JROC	Organization:	UND/EERC
Depth:	4740 ft	Transducer:	Vel_1in_new
Formation:	Broom Creek	Rock type:	Dolostone with
Dry bulk density:	2.560 g/cm ³		Presence of anhydrite
Sat. bulk density:		Porosity:	9.57%
Diameter:	25.40 mm	Pore fluids:	
		Entered Length:	62.25 mm

Expt name: Ultrasonic Velocity Measurement at Different Confining Pressures

Observed Velocities and Moduli for Broom Creek Sample							
Event	Conf	Diff	V_p	$V_s^{(1)}$	$V_s^{(2)}$	Young's Modulus	Poisson's Ratio
	MPa	MPa	m/s	m/s	m/s	GPa	
0	3.3	-	3708	2523	2512	34.60	0.072
1	10.2	-	4446	2868	2871	47.91	0.143
2	20.3	-	5039	3088	3099	58.33	0.198
3	30.3	-	5279	3163	3170	62.21	0.219
4	40.4	-	5411	3185	3205	64.03	0.232

Waveform waterfall for p arrivals	
Well:	
Depth:	4740 ft
File name:	Broom Creek

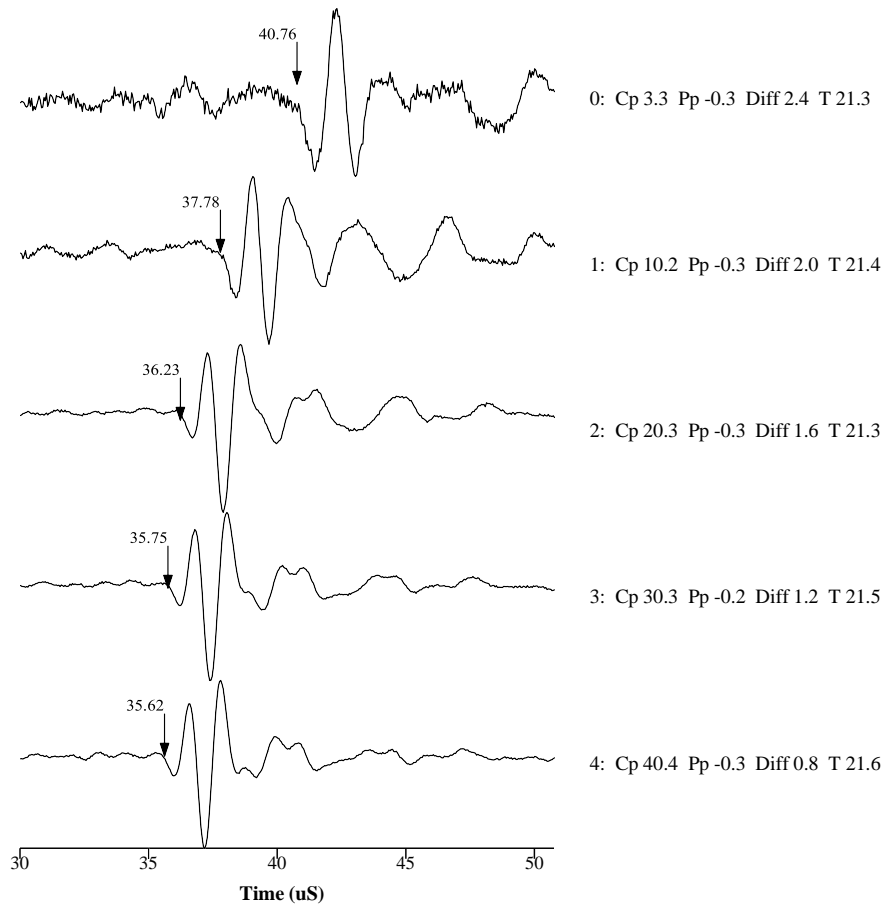


Waveform waterfall for s1 arrivals

Well:

Depth: 4740 ft

File name: Broom Creek



Waveform waterfall for s2 arrivals

Well:

Depth: 4740 ft

File name: Broom Creek

