

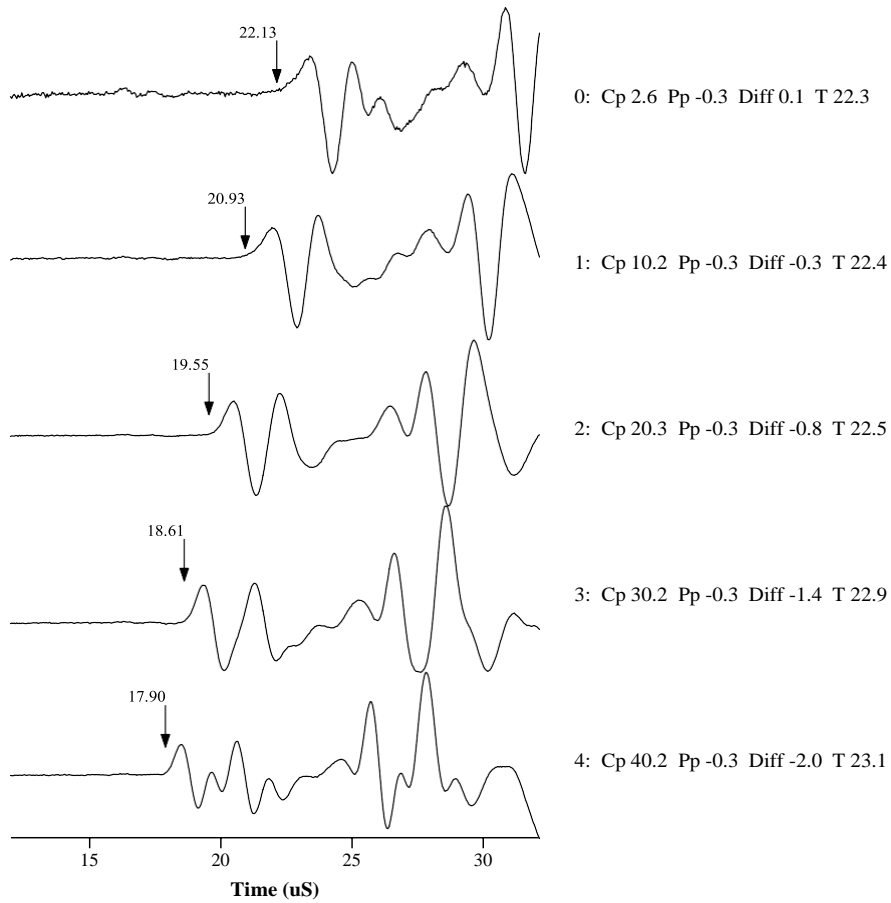
## Ultrasonic Velocity Measurement Report

| Sample and Experiment Information |                         |                 |                 |
|-----------------------------------|-------------------------|-----------------|-----------------|
| Well:                             | JROC                    | Organization:   | UND/EERC        |
| Depth:                            | 9631.5 ft               | Transducer:     | Vel_1in_new     |
| Formation:                        | DW/B-A Member           | Rock type:      | Sandy-Carbonate |
| Dry bulk density:                 | 2.640 g/cm <sup>3</sup> | Porosity:       | 2.24%           |
| Sat. bulk density:                |                         | Pore fluids:    |                 |
| Diameter:                         | 25.40 mm                | Entered Length: | 42.00 mm        |

Expt name: Ultrasonic Velocity Measurement at Different Confining Pressures

| Observed Velocities and Moduli for<br>DW/B-A Member Sample |      |      |       |             |             |                    |                    |
|--|------|------|-------|-------------|-------------|--------------------|--------------------|
| Event  | Conf | Diff | $V_p$ | $V_s^{(1)}$ | $V_s^{(2)}$ | Young's<br>Modulus | Poisson's<br>Ratio |
|  | MPa  | MPa  | m/s   | m/s         | m/s         | GPa                |                    |
| 0  | 2.2  | -    | 3085  | 2255        | 2288        | 24.74              | -                  |
| 1  | 10.3 | -    | 3384  | 2411        | 2442        | 30.18              | -                  |
| 2  | 20.3 | -    | 3806  | 2584        | 2612        | 37.91              | 0.064              |
| 3  | 30.2 | -    | 4161  | 2720        | 2767        | 44.33              | 0.115              |
| 4  | 40.2 | -    | 4478  | 2837        | 2880        | 49.88              | 0.156              |

| Waveform waterfall for <b>p</b> arrivals |               |
|--|---------------|
| Well:                                    |               |
| Depth:                                   | 9631.5 ft     |
| File name:                               | DW/B-A Member |

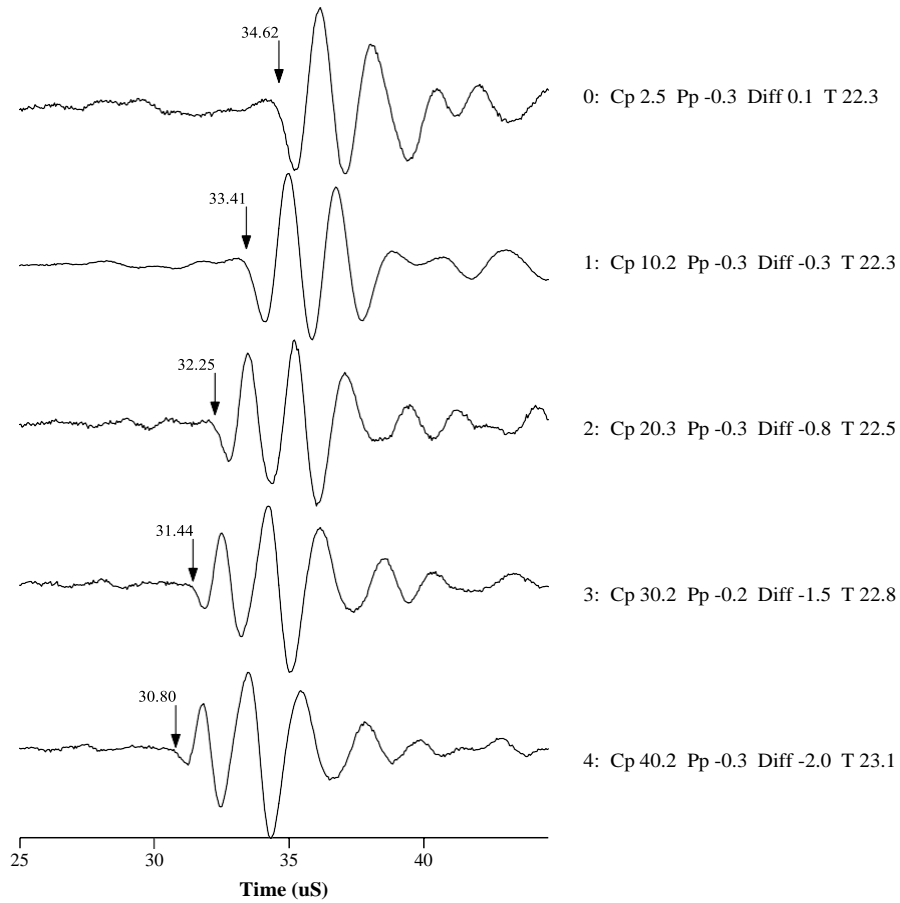


# Waveform waterfall for s1 arrivals

Well:

Depth: 9631.5 ft

File name: DW/B-A Member



# Waveform waterfall for s2 arrivals

Well:

Depth: 9631.5 ft

File name: DW/B-A Member

