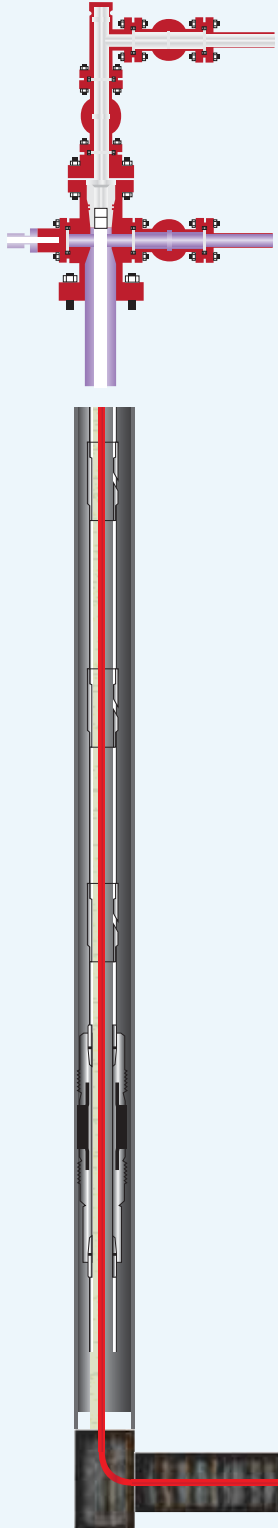


Used to enhance injection fluid. Enhances reservoir sweep efficiencies and recoverable oil in place. Placed in situ, to enhance or augment injection.



When to use this tool:

1. When injectivity decreases.
2. When chemical remediation is no longer an option.
3. To change injection sweep patterns.
4. Mobilize more oil in place without excessive heat or steam.

Why a Sonic application?

Sonics:

- a. Changes in wettability.
- b. Coalescence and or dispersion of an oil droplet.
- c. Reduced oil viscosity.
- d. Reduction of surface tension.
- e. Improves permeability.
- f. Effect water droplets- create an elongation of the pellicle.
- g. Creates a capillary effect.

Specifications:

- Coil tubing conveyed (preferred)
- 1.7” (43.2mm) and 1.25” (32.1mm) sizes
- 1.5” SA connection, 1” SA connection
- 1-200 l/min fluid requirement
- 3-6 Mpa fluid pressure over BHP
- 17 Hp of pulse energy
- 12,680 watts of energy
- Multiple frequency pulse