



SLOW RATE PUMPING SYSTEM (SRPS)

DESCRIPTION

Sanjel Energy Services' Slow Rate Pumping System (SRPS) is a modular system, purpose-built for remedial operations that can be utilized with any Sanjel Energy cementing unit. Designed for its low pumping rate ability, the SRPS allows for continuous pumping until the cement thickening time or maximum treatment pressure is achieved. At these low placement rates, cement can be injected into the formation without fracturing, and the entire slurry thickening time is used to form resistance. The Slow Rate Pumping System improves first attempt remedial operation success, lowers slurry volumes, reduces time on location and increases cost savings.

APPLICATIONS

- Low rate cement squeezes
- Squeezing perforations for abandonment of zone
- Production casing failures
- Surface casing vent flow and gas migration intervention
- Miscellaneous pumping operations
- Acid and solvent operations

EQUIPMENT

- Modular pump system equipped with:
 - Electronically actuated control valves featured with manual override
 - High pressure direct measurement flowmeter
 - Back-up digital display
- Used in conjunction with any Sanjel Energy cement unit
- Acid compatible

INSTRUMENTATION AND CONTROL

- Real time Field Data Acquisition System recording rate and pressure
- Electronic over pressure management
- PLC controlled
- PC interface and real-time charting

PERFORMANCE

- Pumping Rates: 1 – 60 L/min
- Pumping Pressures: 0 – 35 MPa
- Temperature Range: -40°C to 80°C

