Weatherford®

Electronic Shut-In Tool

Weatherford's Electronic Shut-In Tool has a proven track record, making it one of the few electronic shut-in tools that will operate reliably on a consistent basis.

This tool can be seated in most completion string landing nipples with standard lock mandrels, which permits downhole shut-in of a well.

Our testing includes operating the tool, at its' extreme specifications; including cycling the tools open and close (20X) at 300°F (150°C), and cycling the tools with over 10,000 PSI (68,950 Kpa) differential. Its success ratio is over a 93%, with over 100 successful field tests.

1.75" E.S.I.T. Flow Sub

Specifications

Pressure Range:	Up to 10,000 PSI (68,950 Kpa)
Differential Pressure:	Up to 10,000 PSI (68,950 Kpa)
Temperature Range:	Up to 300° F (150°C)
Programming Modes:	Open, Close or Test
Program Cycles:	Up to 20 Cycles
Time Between Cycles:	5-minute minimum ---- to 416 days
Flow Area:	≥ lock ID 1.75" E.S.I.T. - 1.397 in^2 (3.55 cm2) 2.50" E.S.I.T. - 2.390 in^2 (6.07 cm^2)*
Lock Connectors:	E.S.I.T. tool can be adapted to fit any size of lock
Recorder Connections:	0.75 " – 16 UNF Standard (*Other sizes available on request*
Length:	60" in (*152.4 cm*)
Weight:	20 lbs (8.75 kg)
Outer Diameter:	1.75" (4.45 cm), or 2.5" (5.72 cm)
Communications:	PC RS-232 (standard)
Software:	Windows 98, NT, 2000, XP
Battery Power:	2 DD Lithium Cells

600CC Sampler

Applications

- Reduces well bore storage effects during pressure surveys
- Eliminates pressure data inaccuracies from gas expansion and phase segregation to improve well test analysis
- Reduces the loss of production time due to shutting in the well
- Reduces distortion of data due to hydrostatic pressure column above gauges
- Eliminates the chance of leaky valves at surface
- Programmable for multiple shut-ins and openings
- Programmable for equalization of well bore prior to retrieval
- Can be utilized with Weatherford's Sampler Tool to gather quality PVT Samples

Features

- Multi-Rate Tool. Higher flow rates can be obtained by changing flow subs and accessories. Customer does not need to purchase a new tool.
- High Temperature Motor. Rated for 200C. Allows continuous operation at 150C and reduces chances of motor failure, hence operating cost

**Our largest flow-sub currently can flow 1.20 m^3/min (7.50 bbl/min), under ideal [clean] conditions. Flow is reduced if the fluid contains high sand content. Under these conditions, flow rate can be reduced to as low as 0.76 m^3/min (4.8 bbl/min).*

Above Specifications subject to change without notice. (Rev B July 2009)

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