Fig. 1(a) DST tool assembly running in the hole.

Fig. 1(b) DST tool assembly during initial or preflow period.

Fig. 1(c) DST tool assembly during initial shut-in.
Fig. 1(d) DST tool assembly during final flow period.

Fig. 1(e) DST tool assembly during final shut-in.

Fig. 1(f) DST tool assembly during retrieval from hole.
Fig. 28 Various ways in which DST charts are recorded.
(a) Conventional scales. (b) Pressure scale reversed. (c) Time scale reversed.

- initial flow period - 5 to 10 minutes;
- initial shut-in period - 30 to 60 minutes;
- final flow period - onshore, openhole, which is 60 to 80 minutes, depending on permeability;
- offshore, cased hole - daylight hours, typically 8 hours;
- final shut-in period - 1.5 to 2 times the duration of the second flow period.

Table 1 Test period duration "rules of thumb."
Fig. 29 Drawing baseline on DST chart.

Pressure Readings
A Start in Hole
B Initial Hydrostatic
C Start of Initial Flow
D End of Initial Flow
E End of initial Shut-In
F Start of Final Flow
G End of Final Flow
H End of Final Shut-In
I Final Hydrostatic
J Out of Hole

Fig. 30 Typical DST chart.
Approximate end of the unit slope straight line

Dimensionless time group $\frac{t_D}{C_D} = 0.000295 \frac{k}{\mu} \frac{\Delta t}{C}$

Fig. 6.2 Type curves for a well with wellbore storage and skin (infinite acting homogeneous reservoir)