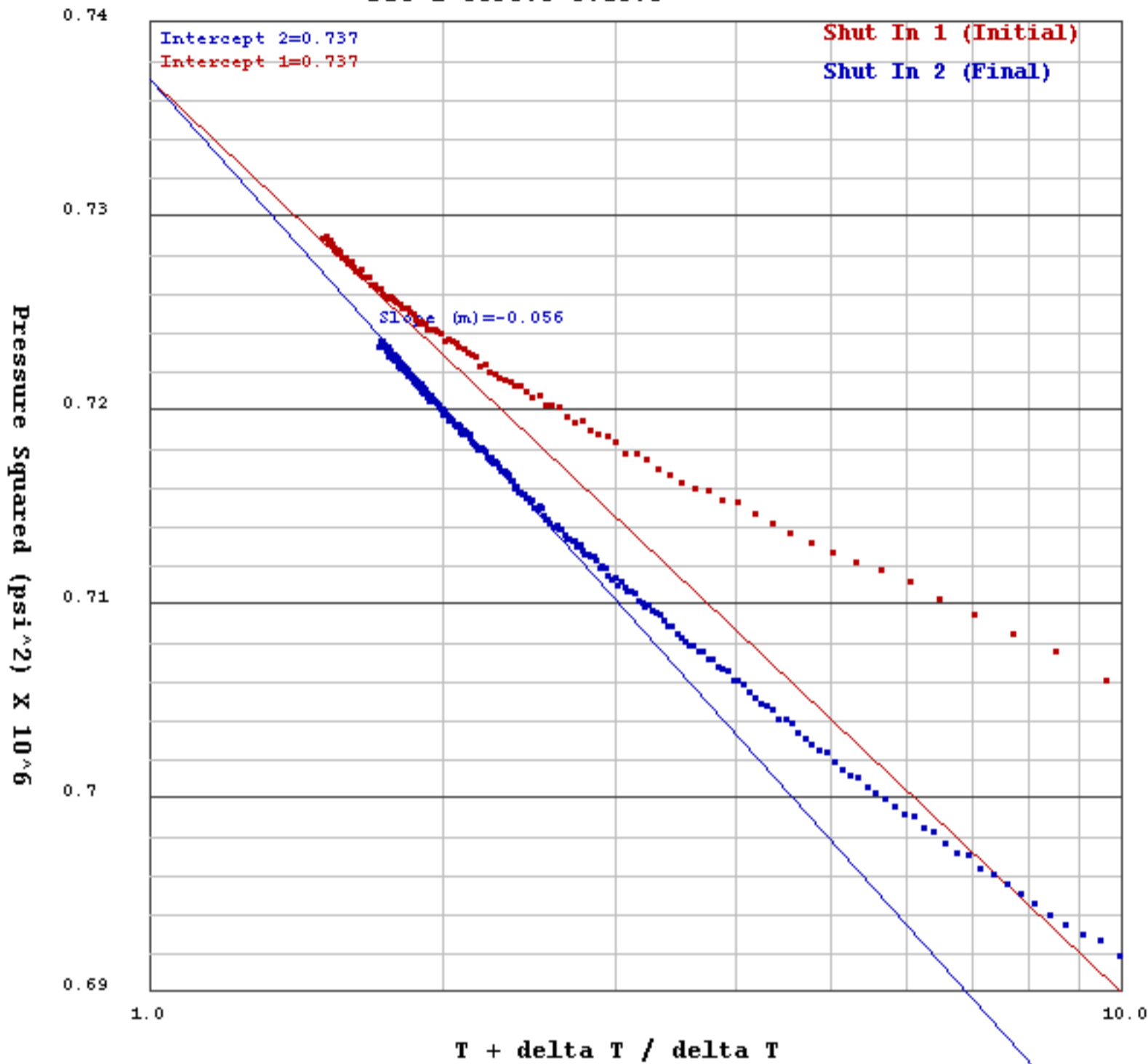


Horner Plot (Fluid DST)

Xit 1 (15-119-21001)

DST 1 5690.0 5745.0



$$m = 1637 * q * T_f * Z * u / (K * h)$$

where

slope (m) = 56000.0 psi²/cycle
 flow rate (q) = 1098000.0 Mcf/day
 viscosity (u) = 0.0325 cp
 thickness (h) = 20.0 ft
 formation temperature (T_f) = 584.67 deg R
 gas deviation factor (Z) = 0.997
 Permeability (K) = 30403.412 md
 Transmissibility (K*h/u) = 1.8709792076E7 md-ft/cd
 Permeability Thickness (K*h) = 608068.242 md-ft

Damage Ratio	= 0.811	initial reservoir pressure	= 858.0 psi
Skin Factor	= 3.276	bottom hole flowing Pressure	= 435.617401 psi
Pressure Drop	= 155.457 psi	flow time	= 90.0 min
Radius of Investigation	= 940214.214 ft	bore hole radius	= 0.648 ft
		drainage radius	= 2140.0 ft
		compressibility	= 0.004428 vol/vol/ps
		porosity	= 0.15
		specific gravity of gas	= 0.6903

Absolute Open Flow = 300467.281 Mcf/day

Flowing Pressure (Turbulence) = 676.211 psi

Pressure Drop (Turbulence) = 225.944 psi