Discussion:

The attached plots are provided to help orient your work—you almost certainly will not obtain the exact same results, nor are you expected to do so. In particular, do not copy or "force" your analysis to match this work. Your analysis should be independent and fully detailed—there are no "perfect" answers, just be sure to be as consistent as possible.
Well Test Analysis in Dual Porosity Reservoirs — Paper SPE 13054
(Results Obtained using Model-Based Analysis/Interpretation)

Well A-17 – Drawdown Analysis: (Transient Interporosity Flow)
Well Test Analysis in Dual Porosity Reservoirs — Paper SPE 13054
(Results Obtained using Model-Based Analysis/Interpretation)

Well A-17 — Drawdown Analysis: (Pseudosteady-State Interporosity Flow)

Log-Log Plot

Legend: Well A-17 Drawdown (SPE 13054)
- \( \Delta p \) data
- \( \Delta p' \) data
- Simulation (Optimized Match)

Well Model:
Unfractured Well in an Infinite-Acting Dual Porosity Reservoir, Pseudosteady-State Interporosity Flow

Results for A-17 Well:
- \( k = 14.4 \) md
- \( s = 5.76 \)
- \( C_D = 28,000 \)
- \( \lambda = 8.91 \times 10^{-6} \)
- \( \alpha = 4.6 \times 10^{-2} \)
Well A-17 – Buildup Analysis: (Transient Interporosity Flow)
Well A-17 – Buildup Analysis: (Pseudosteady-State Interporosity Flow)
Well Test Analysis in Dual Porosity Reservoirs — Paper SPE 13054
(Results Obtained using Model-Based Analysis/Interpretation)

Well Mach-3X – Drawdown Analysis: (Pseudosteady-State Interporosity Flow)
Well Test Analysis in Dual Porosity Reservoirs — Paper SPE 13054
(Results Obtained using Model-Based Analysis/Interpretation)

Well Mach-3X – Buildup Analysis: (Pseudosteady-State Interporosity Flow)
Well Test Analysis in Dual Porosity Reservoirs — Paper SPE 13054
(Results Obtained using Model-Based Analysis/Interpretation)

Well 14RN-2X – Drawdown Analysis: (Pseudosteady-State Interporosity Flow)
Well Test Analysis in Dual Porosity Reservoirs — Paper SPE 13054
(Results Obtained using Model-Based Analysis/Interpretation)

*Well 14RN-2X – Buildup Analysis: (Pseudosteady-State Interporosity Flow)*

![Log-Log Plot (Full Test History--Includes Rate History)](image)

Legend:
- Well 14RN-2X Buildup (SPE 13054)
- $\Delta p$ data
- $\Delta p(L=0.2)$ data
- Simulation (Optimized Match)

Well Model:
Unfractured Well in an Infinite-Acting Dual Porosity Reservoir, Pseudosteady-State Interporosity Flow

Results for Well 14RN-2X:
- $k=89.61$ md
- $s=3.08$
- $C_p=4344$
- $\lambda=7.23\times10^{-6}$
- $\alpha=0.491$