

residual = observed - calculated
 weighted residual = residual * weight

Weighted Residual Statistics:

Number of residuals..... 41
 Number of estimated parameters.... 2
 Degrees of freedom..... 39
 Residual mean..... 0.0002838
 Residual standard deviation..... 0.1606
 Residual variance..... 0.02579

Model Residuals:

Time	Observed	Calculated	Residual	Weight
3.5E-005	2.84	1.9487	0.89135	1
4.6E-005	1.89	1.6478	0.2422	1
5.8E-005	1.48	1.3837	0.096276	1
6.9E-005	0.99	1.1869	-0.19686	1
8.1E-005	0.92	1.0105	-0.090522	1
9.3E-005	0.74	0.86591	-0.12591	1
0.000104	0.61	0.75563	-0.14563	1
0.000116	0.53	0.65492	-0.12492	1
0.000127	0.47	0.5773	-0.1073	1
0.000139	0.41	0.50571	-0.095712	1
0.00015	0.36	0.45002	-0.090018	1
0.000162	0.33	0.39821	-0.068208	1
0.000174	0.3	0.35415	-0.054149	1
0.000185	0.27	0.31944	-0.049438	1
0.000197	0.25	0.28675	-0.036755	1
0.000208	0.22	0.26081	-0.040808	1
0.00022	0.21	0.2362	-0.026196	1
0.000231	0.19	0.21651	-0.026514	1
0.000289	0.14	0.14476	-0.0047585	1
0.000347	0.11	0.10497	0.0050329	1
0.000405	0.09	0.081093	0.0089065	1
0.000463	0.07	0.065719	0.0042809	1
0.000521	0.06	0.055185	0.0048149	1
0.000579	0.05	0.047578	0.0024222	1
0.000637	0.05	0.041839	0.0081605	1
0.000694	0.05	0.037424	0.012576	1
0.000752	0.04	0.033805	0.0061947	1
0.00081	0.03	0.030829	-0.00082903	1
0.000868	0.03	0.028335	0.001665	1
0.000926	0.03	0.026213	0.0037869	1
0.000984	0.03	0.024385	0.0056152	1
0.001042	0.02	0.022793	-0.0027927	1
0.0011	0.02	0.021394	-0.0013937	1
0.001157	0.02	0.020175	-0.00017483	1
0.001215	0.02	0.019068	0.00093211	1
0.001273	0.02	0.018075	0.001925	1
0.001331	0.02	0.017179	0.0028206	1
0.001389	0.02	0.016368	0.0036322	1
0.001736	0.01	0.012757	-0.0027572	1
0.002083	0.01	0.010453	-0.00045267	1
0.002431	0.01	0.0088523	0.0011477	1

=====
 ==

RESULTS FROM VISUAL CURVE MATCHING

KRRFND SLG		TEST DATA		
ELAPSED	HERMIT	ELAPSED	DRAWDOWN	WEIGHT
TIME	VALUE	TIME		
(MIN)		(DAYS)		
0.000000	9.08	0.000000	1.67	1
0.003300	8.78	0.000002	1.97	1
0.006600	9.77	0.000005	0.98	1
0.009900	9.33	0.000007	1.42	1
0.013300	8.48	0.000009	2.27	1
0.016600	9.27	0.000012	1.48	1
0.020000	7.96	0.000014	2.79	1
0.023300	8.88	0.000016	1.87	1
0.026600	7.99	0.000018	2.76	1
0.030000	8.37	0.000021	2.38	1
0.033300	8.09	0.000023	2.66	1
0.050000	7.91	0.000035	2.84	1
0.066600	8.86	0.000046	1.89	1
0.083300	9.27	0.000058	1.48	1
0.100000	9.76	0.000069	0.99	1
0.116600	9.83	0.000081	0.92	1
0.133300	10.01	0.000093	0.74	1
0.150000	10.14	0.000104	0.61	1
0.166600	10.22	0.000116	0.53	1
0.183300	10.28	0.000127	0.47	1
0.200000	10.34	0.000139	0.41	1
0.216600	10.39	0.000150	0.36	1
0.233300	10.42	0.000162	0.33	1
0.250000	10.45	0.000174	0.30	1
0.266600	10.48	0.000185	0.27	1
0.283300	10.50	0.000197	0.25	1
0.300000	10.53	0.000208	0.22	1
0.316600	10.54	0.000220	0.21	1
0.333300	10.56	0.000231	0.19	1
0.416700	10.61	0.000289	0.14	1
0.500000	10.64	0.000347	0.11	1
0.583300	10.66	0.000405	0.09	1
0.666700	10.68	0.000463	0.07	1
0.750000	10.69	0.000521	0.06	1
0.833300	10.70	0.000579	0.05	1
0.916700	10.70	0.000637	0.05	1
1.000000	10.70	0.000694	0.05	1
1.083300	10.71	0.000752	0.04	1
1.166700	10.72	0.000810	0.03	1
1.250000	10.72	0.000868	0.03	1

KRRFND SLG TEST DATA				
ELAPSED	HERMIT	ELAPSED	DRAWDOWN	WEIGHT
TIME	VALUE	TIME		
(MIN)		(DAYS)		
1.333300	10.72	0.000926	0.03	1
1.416600	10.72	0.000984	0.03	1
1.500000	10.73	0.001042	0.02	1
1.583300	10.73	0.001100	0.02	1
1.666700	10.73	0.001157	0.02	1
1.750000	10.73	0.001215	0.02	1
1.833300	10.73	0.001273	0.02	1
1.916700	10.73	0.001331	0.02	1
2.000000	10.73	0.001389	0.02	1
2.500000	10.74	0.001736	0.01	1
3.000000	10.74	0.002083	0.01	1
3.500000	10.74	0.002431	0.01	1
4.000000	10.75	0.002778	0.00	1
4.500000	10.74	0.003125	0.01	1
5.000000	10.74	0.003472	0.01	1
5.500000	10.74	0.003819	0.01	1
6.000000	10.74	0.004167	0.01	1
6.500000	10.74	0.004514	0.01	1
7.000000	10.75	0.004861	0.00	1
7.500000	10.74	0.005208	0.01	1
8.000000	10.74	0.005556	0.01	1
8.500000	10.74	0.005903	0.01	1
9.000000	10.75	0.006250	0.00	1
9.500000	10.75	0.006597	0.00	1
10.000000	10.75	0.006944	0.00	1
11.000000	10.75	0.007639	0.00	1
END				

KRRFND SLG TEST DATA				
ELAPSED TIME (MIN)	HERMIT VALUE	ELAPSED TIME (DAYS)	DRAWDOWN	WEIGHT
This is the slug test data for well KRRF-ND which is the near-field deep well at Transect F.				
TD = 110 ft				
CD = 95ft				
DTW = (4.10 - 4.92) = -0.82				
Therefore, the water level is 0.82 feet above land surface.				
Rc = 1 in = 0.0833 ft				
Rw = 3 in = 0.250 ft				
screen length = 15 ft.				
saturated thickness = H = 15 ft				
Static height of water in well = Lw = 15 ft				
Calculations for volume of slug				
Rs = 0.6 in = 0.05 ft				
Ls = 10.2 ft = length of slug				
Vs = 3.14 * Rs^2 * Ls				
Vs = 0.08007				
Calculations for H0				
H0 = Vs / (3.14 * Rc^2)				
H0 = 3.67				

KRRFND SLUG TEST

