

RRGE-2 Recovery Test

2-18-77 19-77 20-77 21-77

$Q' = 200 \text{ gpm}$

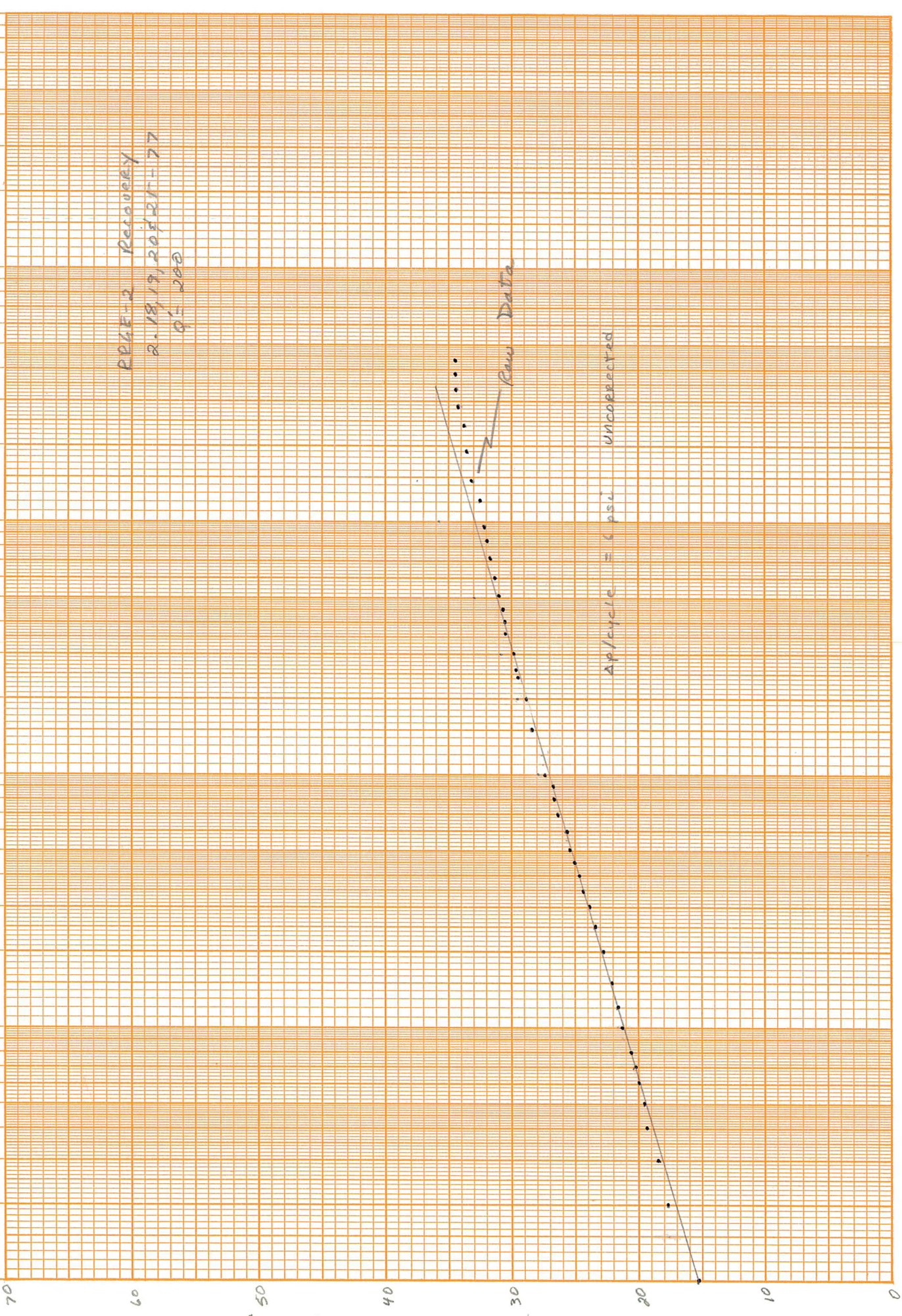
$\Delta P_0 - \text{whp}$ $\text{whp} - P_0$
 $P_0 = 162.614$ $P_0 = 127.823$
 ΔWHP $\Delta \text{WHP}'$
 (Psi) (Psi)
 Residual DD Recovery

Time (min)	whp (Psi)	o time (min)	a time' (min)	t/t'	$\Delta P_0 - \text{whp}$ (Psi)	$\text{whp} - P_0$ (Psi)
2-18-77 12:00	127.823	1440	0	—	34.99	0
12:01	144.051	1441	1	1441	18.56	16.23
12:02	145.551	1442	2	721	17.06	17.73
12:03	146.176	1443	3	481	16.44	18.35
12:04	147.023	1444	4	361	15.59	19.20
12:05	147.423	1445	5	289	15.19	19.60
12:06	147.836	1446	6	241	14.78	20.01
12:07	148.184	1447	7	206.71	14.43	20.36
12:08	148.471	1448	8	181	14.14	20.65
12:10	148.974	1450	10	145	13.64	21.15
12:12	149.422	1452	12	121	13.19	21.60
12:15	149.793	1455	15	97	12.82	21.97
12:20	150.694	1460	20	73	11.92	22.87
12:25	151.147	1465	25	58.60	11.47	23.32
12:30	151.754	1470	30	49	10.86	23.93
12:35	152.164	1475	35	42.14	10.45	24.34
12:40	152.508	1480	40	37	10.11	24.69
12:45	152.821	1485	45	33	9.79	25.1
12:50	153.108	1490	50	29.8	9.51	25.29
12:55	153.381	1495	55	27.18	9.23	25.56
13:00	153.624	1500	60	25	8.99	25.8
13:10	154.039	1510	70	21.57	8.58	26.22
13:20	154.407	1520	80	19	8.21	26.58
13:30	154.712	1530	90	17	7.90	26.89
13:40	155.009	1540	100	15.4	7.61	27.19
13:50	155.255	1550	110	14.09	7.36	27.43
14:00	155.486	1560	120	13	7.13	27.66
14:10	155.698	1570	130	12.08	6.92	27.88
14:20	155.894	1580	140	11.29	6.72	28.07
14:30	156.068	1590	150	10.6	6.55	28.25
14:40	156.213	1600	160	10	6.40	28.39
15:00	156.516	1610	180	8.94	6.10	28.69
15:20	156.786	1630	200	8.15	5.83	28.96
15:40	157.031	1650	220	7.50	5.58	29.21
16:00	157.232	1670	240	6.96	5.38	29.41
16:20	157.434	1690	260	6.5	5.18	29.61
16:40	157.616	1710	280	6.11	5.00	29.79
17:00	157.783	1730	300	5.77	4.83	29.96
17:20	157.926	1750	320	5.47	4.69	30.10
17:40	158.077	1770	340	5.21	4.54	30.25
18:00	158.187	1790	360	4.97	4.43	30.36
18:20	158.317	1810	380	4.76	4.30	30.49
18:40	158.387	1830	400	4.5	4.23	30.56

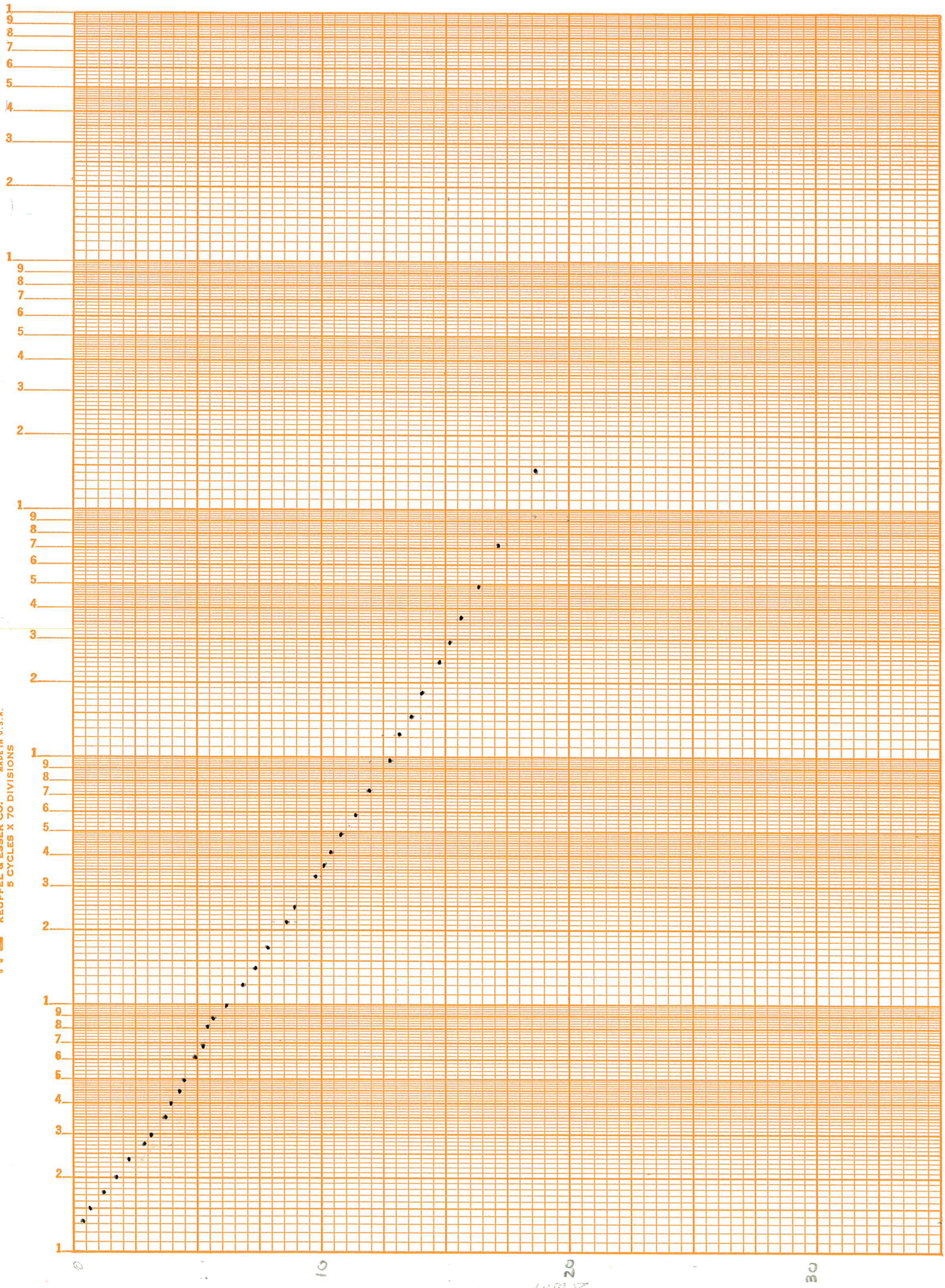
	Time (min)	WHP (PSIA)	Δtime (min)	Δtime' (min)	t/ t'	P ₀ = 162.614 ΔWHP (PSI) Residual DD	P ₀ = 127.823 ΔWHP' (PSI) Recovery
2-18-77	18:00	158.496	1850	420	44	412	3067
	19:30	158.620	1880	450	418	399	3080
	20:00	158.725	1910	480	398	389	3090
	20:30	158.822	1940	510	380	379	3100
	21:00	158.948	1970	540	365	367	3113
	21:30	159.057	2000	570	351	356	3123
	22:00	159.146	2030	600	338	347	3132
	23:00	159.342	2090	660	317	327	3152
2-19-77	00:00	159.488	2150	720	299	313	3167
	01:00	159.645	2210	780	283	297	3182
	02:00	159.789	2270	840	27	283	3197
	04:00	160.048	2390	960	249	257	3223
	06:00	160.333	2510	1080	232	228	3251
	08:00	160.555	2630	1200	219	206	3273
	10:00	160.762	2750	1320	208	185	3294
	12:00	160.940	2870	1440	199	167	3312
	16:00	161.268	3110	1680	185	135	3345
	20:00	161.440	3350	1920	174	117	3362
2-20-77	00:00	161.522	3590	2160	166	109	3370
	04:00	161.645	3830	2400	16	.97	3382
	08:00	161.818	4070	2640	154	.80	3400
	12:00	161.921	4310	2880	15	.69	3410
	16:00	162.001	4550	3120	146	.61	3418
	20:00	162.119	4790	3360	143	.50	3430
2-21-77	00:00	162.151	5030	3600	14	.46	3433
	04:00	162.185	5270	3840	137	.43	3436
	08:00	162.244	5510	4080	135	.37	3442
	12:00	162.235	5750	4320	133	.38	3441

ACTUALLY using
meas @ 10
Sec. 2.072 h
hr
↓

Time in MINUTES FROM START OF RECOVERY (t')



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