Buffalo National River

Docket No: 24

OZARK CAMP LAUNCH WELL

Supporting Hydro Data

08-06-1980: recovery data test 1 at ozark camp and launch; august 06, 1980

Location: Ozark Camp and Launch
Date: 8-6-80
Observers: Christensen, Moore

RECOVERY DATA Test 1

Clock Time (hour)	Time, Pump Start (t, min)	Time, Pump Stop (t', min)	Ratio (t/t')	Water Level (BTC, ft.)	Residual Drawdown	Calculated Recovery
1730	60	0	-	30.23	0.27	
1731	61	1	61.0	30.08	0.12	
1732	62	2	31.0	30.06	0.10	
1735	65	5	13.0	30.02	0.06	
1737.5	67.5	7.5	9.00	30.02	0.06	
1740	70	10	7.00	30.02	0.06	

Location: Ozark Camp and Launch Area
Date: 8-6-80
Observers: Christensen, Moore

DRAWDOWN DATA

Test #1

Clock Time (hour)	Pumping Time (min)	Water Level BTC (feet)	Drawdown (feet)	Specific Capacity	Remarks
1630	0	29.96	0		SWL=29.96
	1	30.13	0.17		
	2	30.19	0.23		
	3	30.19	0.23		
	4	-	-		
	5	30.21	0.25		BP=14 psi
	10	30.21	0.25	65.6	3 gal/ 11 sec 16.4 gpm
	15	30.21	0.25		Smells like H_2S
1650	20	30.23	0.27	55.6	E.C.+516.60 @ 25°C 3 gal/12 sec 15 gpm BP=13 psi T=14°C
1700	30	30.23	0.27		BP=12 psi 3 gal/11 sec
	40	30.19	0.23		
	50	30.19	0.23	65.2	3 gal/12 sec
1730	60	30.23	0.27	55.6	

Test #2 — Test 2 (more accurate)

1745	0				
1745	0	30.04			Pump on
	1	30.17	0.13		
	2	30.19	0.15		
	3	30.19	0.15		
	4	30.19	0.15		BP=13 psi
	5	30.19	0.15	109.1	3 gal/11 sec 16.36 gpm
	7.5	30.23	0.19		
	10	30.23	0.19	86.1	
	15	30.23	0.19		
	20	30.21	0.17	96.24	pump off

Location: 4-16 Buffalo National River **Ozark Camp & launch - Ranger Residence** ✓
Date: 8-9-80
Observers: Moore, Trujillo

DRAWDOWN DATA

Clock Time (hour)	Pumping Time (min)	Water Level BTC (feet)	Drawdown (feet)	Specific Capacity	Remarks
					SWL = 19.77
1600	1	20.04	0.27		
	2	20.33	0.56		3gal/20sec. Q = 9gpm
	3	20.50	0.73		
	4	20.75	0.98		
	5	20.77	1.00		T = 12°C EC = 488.40 @ 25°C
	6	20.90	1.13		
	7	21.02	1.25		
	8	21.13	1.36		
	9	21.25	1.48		
	10	21.33	1.56		
	12	21.54	1.77		
	14	21.63	1.86		
	16	21.73	1.96		
	18	21.83	2.06		
	20	21.90	2.13		3gal/18sec. Q = 10gpm

Location: 4-16 Buffalo National River
Date: 8-9-80
Observers: Moore, Trujillo

DRAWDOWN DATA

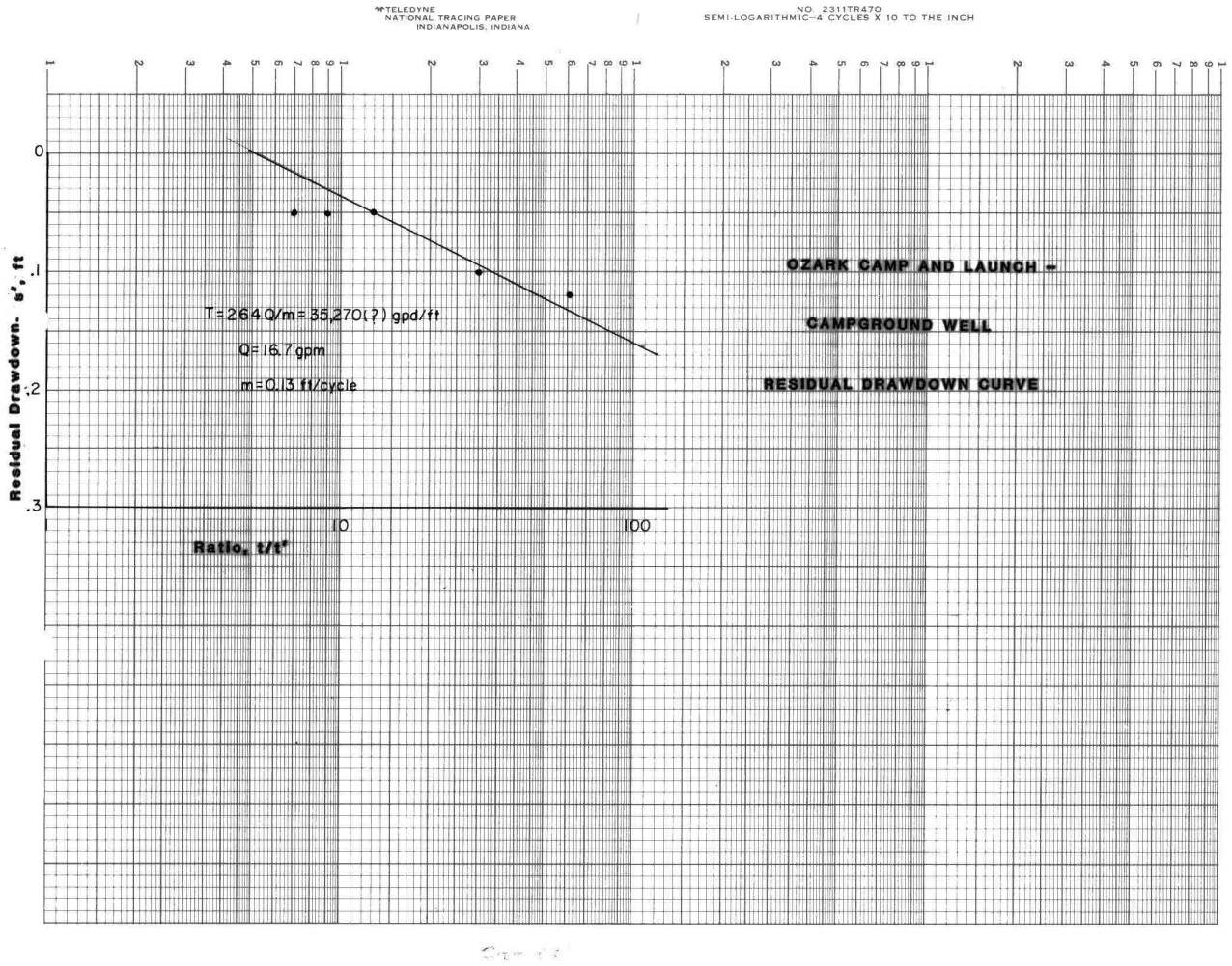
Clock Time (hour)	Pumping Time (min)	Water Level BTC (feet)	Drawdown (feet)	Specific Capacity	Remarks
	25	22.08	2.31		
	30	22.27	2.50		
1635	35	22.35	2.58		
	40	22.44	2.67		
	45	22.67	2.90		
	50	22.74	2.97		Q=9.5 3 gal/19 sec 9pm
	55	22.83	3.06		
	60	22.96	3.19		

Location: 4-16 Buffalo National River, Ozark Camp & Launch-Ranger Residence
Date: 8-9-80
Observers: Moore, Trujillo

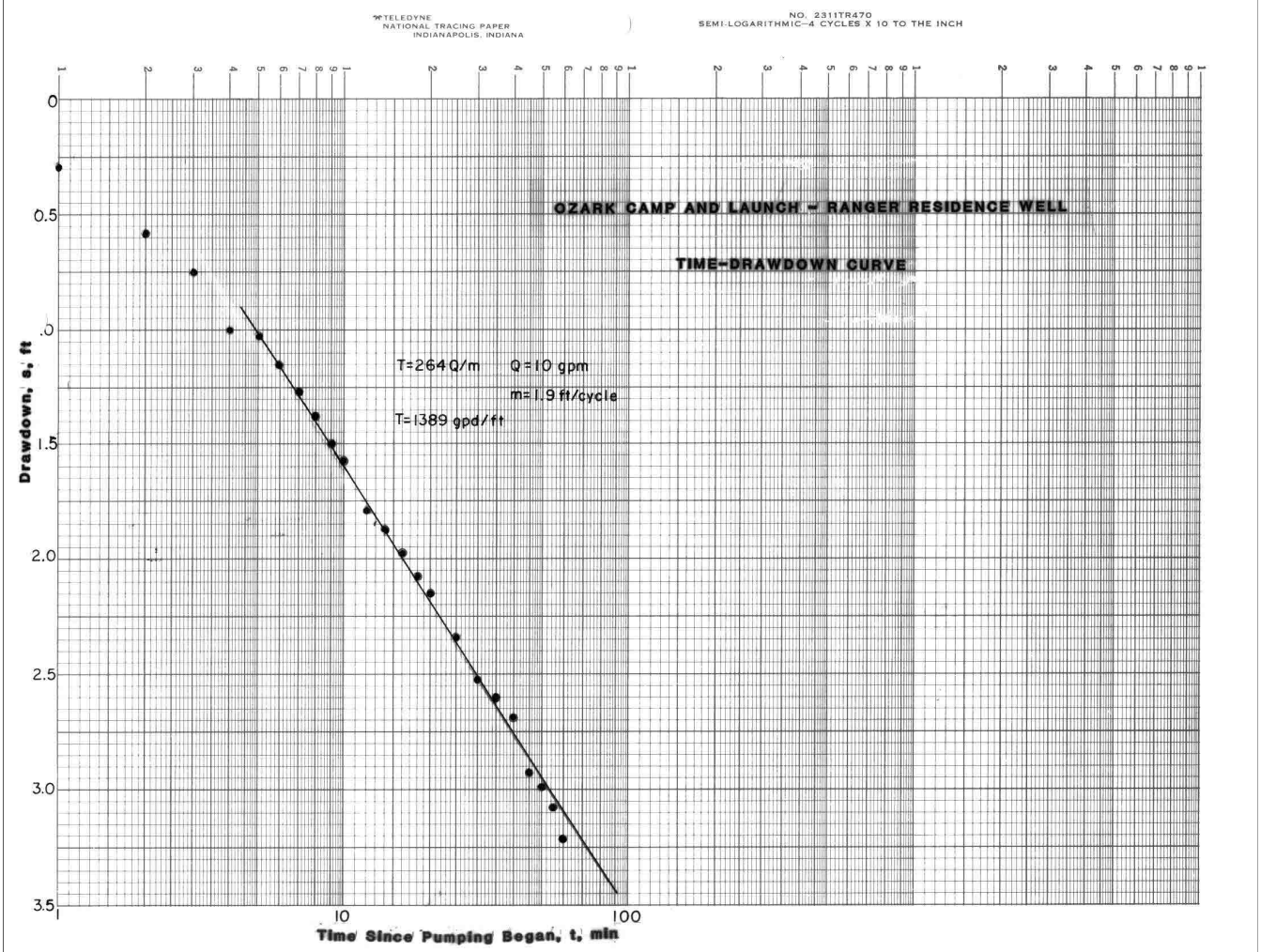
DRAWDOWN DATA

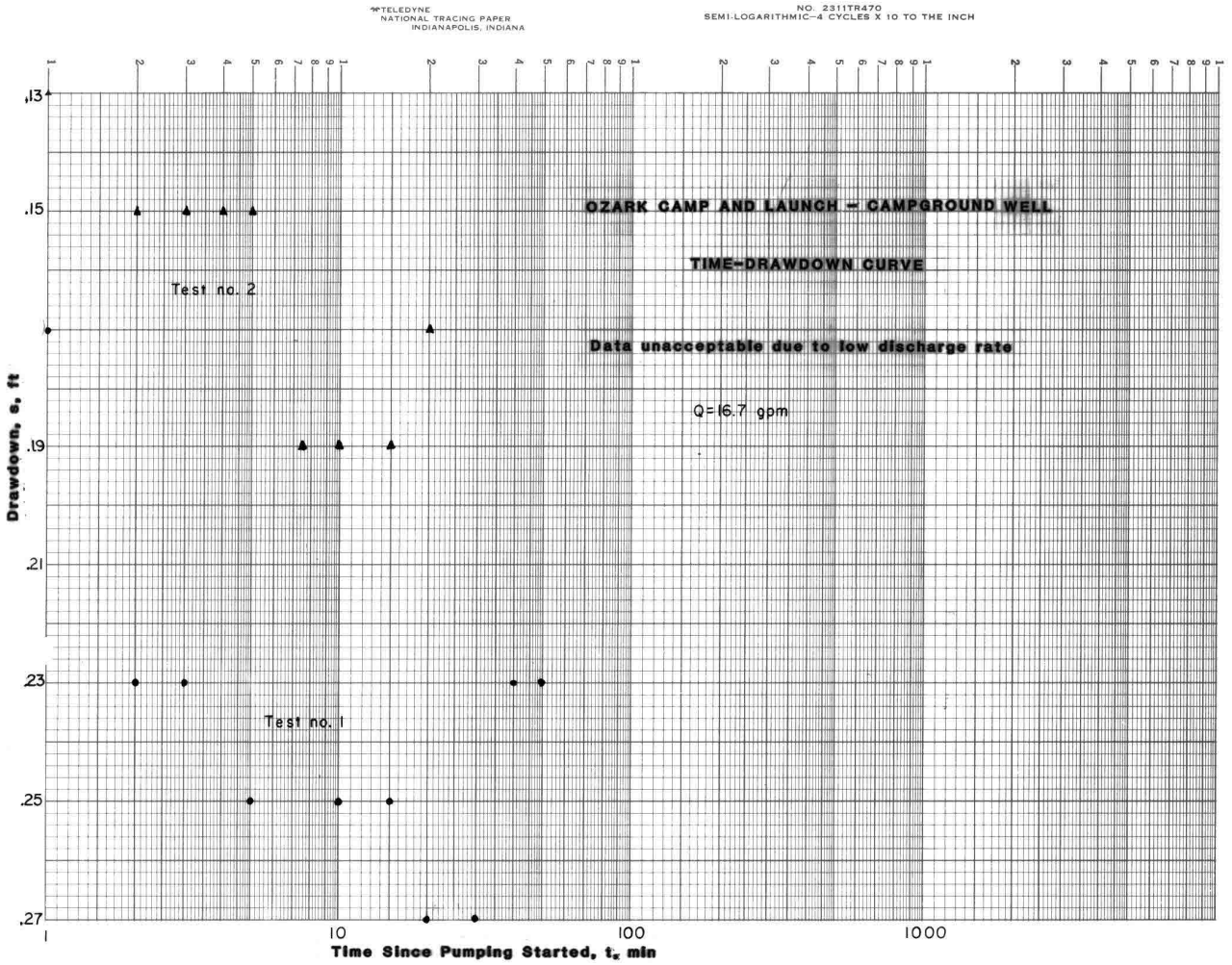
Clock Time (hour)	Pumping Time (min)	Water Level BTC (feet)	Drawdown (feet)	Specific Capacity	Remarks
1600	1	20.04	0.27		SWL=19.77
	2	20.33	0.56		3 gal/20 sec Q=9 gpm
	3	20.50	0.73		
	4	20.75	0.98		
	5	20.77	1.00		EC=488.40 @ 25°C T=12°C
	6	20.90	1.13		
	7	21.02	1.25		
	8	21.13	1.30		
	9	21.25	1.48		
	10	21.33	1.56		
	12	21.54	1.77		
	14	21.63	1.86		
	16	21.73	1.96		
	18	21.83	2.06		
	20	21.90	2.13		3 gal/18 sec Q=10 gpm
	25	22.08	2.31		
	30	22.27	2.50		
1635	35	22.35	2.58		
	40	22.44	2.67		
	45	22.67	2.90		
	50	22.74	2.97		3 gal/19 sec Q=9.5 gpm
	55	22.83	3.06		
	60	22.96	3.19		

08-09-1980: ozark camp and launch campground well residual drawdown curve; august 09, 1980



08-09-1980: ozark camp and launch campground well -- time drawdown curve; august 09, 1980





Docket Information

Number of Documents in Docket 8

Documents Dated from 8/6/1980 to 8/9/1980

Docket Compiled: 2/10/2011