

WELL #2 RESERVE PIT TEMPERATURE LOG (CONT'D)

AT ABOUT 0845 ON 7/5/76, WELL FLOW FROM WELL #1 WAS SHUT OFF FROM THE #2 RESERVE PIT (ONE DARRINGTON PUMP RUNNING)

RRGE-2 Flow Data and Reserve Pit

G1L07342

TIME	TEMPERATURE	NOTES
0845	124*	
1030	121	
1300	117	transfer from #1 to #2 → 1500-1730
1730	116°F	
1900	108°F	
2100	103°F	
0700	90°	
1100	82	TRANSFER PUMP ON AT 1100
1500	97	OFF AT 1345
2000	95	INITIAL PIT DEPTH (#1) 24"
2300	90	FINAL " " 3"
2100	88	<b>PUMP DOWN RATE 5"/HR</b>
	79	
	83	
300	87	AIR TEMP ± 90°F — AT APPROACHES
1000	98	THIS VALUE WHEN THERE IS NO INFLUX. TRANSFER PUMP ON AT 1315. #1 PIT DEPTH IS 30". PUMP OFF AT 1715 AT 3" DEPTH.
1700	98°	<b>PUMP DOWN RATE = 5"/HR</b>
2000	83	
1000	65	
1200	78	
1530		#1 TRANSFER PUMP ON AT 1530 —
1000	95	DEPTH 30" OFF AT DEPTH "
1800	88	
1000	85	
1200	90	
1600	83	
2000	77	
	78	

\* DURING FLOW INTO THE PIT, TEMPERATURE HELD AT ABOUT 130°F. AT 0845 #1 FLOW WAS SHUT OFF. TEMP MEASURED IN EAST CORNER.

RRGE #2 PIT TEMP LOG

TIME	PIT TEMP/DEPTH*	COOLING POND	COMMENTS
8/5/76 0700	68/12"		#1 TRANSFER PUMP ON AT 0730 - DEPTH IS 33". OFF AT 200 - DEPTH IS 2'
1400	93/30"	75	
2100	93	72	
8/6/76 0700	74/	61	#1 TRANSFER PUMP ON AT 0700 - DEPTH IS 31"
1500	94	71	
8/7/76 (0700)	75/6"	60	#1 Transfer Pump on at 0700
1100	87/10"	70	off at 1500
1500	92/14"	76	
8/8/76	84/20"	61	Transfer Pump on at 0830
0700			OFF AT 1500
1400	91/24"	73	
8/9/76			
0700	72/12"	66	Transfer Pump on at 0745
1200	84/17"	70	off at 1500
1700	84/24"	71	
8/10/76			
0800	76/8"	76	Fish Pond Test
0930	76/19"	96	Transfer Pump on at 0930
1100	65/17"	65	off at 1200
8/12/76	80/12"	Empty	No pump running to fill Fish Pond
8/13/76	90/30"		
8/14/76 (0700)	93/13"	Empty	TRANSFER PUMP ON AT 1200
1030	108/24"		

\* PIT DEPTH ZERO POINT IS DARRINGTON PUMP SHUT OFF

RICE # RESERVE PIT LOG

TIME	PIT DEPTH / TEMP	STRAY POND TEMP	COMMENT
8-15-76 0700	25" 90°		
1500	26" 86°		
8-16-76 0700	18" 82°		
1100	32" 96°		
8-17-76 0900	7" 92°		
1500	16" 96°		
1530			
<del>8-18-76</del> <del>0130</del>	<del>36"</del>		<del>STRAY POND ON</del> <del>STRAY POND OFF</del>
8-19-76 0700	32" 96°		
8-19-76		84°	
8-19-76 1600	41" 102°		
8-20-76 0700	30" / 94°	70°F	
1500	40" / 96°	82°	
8-21-76 0740	30" / 97°	78°	
1500	31" / 98°	87°	
8-22-76 0800	34" / 99°	82°	
8-23-76 0900	33" / 96°	81°	
8-23-76	34" pumping from #1 down #2		1250 tumb 360 gpm 1205
1700	40" / 98°F		
1900	44" / 99°F		
2100	42" T.P. ON		T.P. OFF
2210	45" T.P. OFF		225 gal/min from #2
8-24-76 0730	38" / 92.5°		
0820	39" / 99°F Fish	81°F	in fish pond
1715	37" 2nd Pump Running		T.P. ON #2 <del>225</del> 1.0 = 220 gpm

TIME	DEPTH / TEMP.	SPRING POND TEMP	COMMENT
8-24-76 2300	44" /		Race ways Cooling Too DAMN MANY MANURE
8/25/76 8:00 2100	28 1/2" / 90" 36"	78°	VARIABLE - Spring Ponds Ran over last Night T.P. OFF
8/26/76 0830	36" / 86°	71°	
8/26/76 1515	34" / 96°	80°	
8/27/76 0800 1600	31" / 82" 43" / 94°	71° / 39" 49" / 80°	
8/28/76 0730 1515	91" / 36" 102" / 38°	80° / 40" 85° / 40°	TP off at 1645 hours
8/29/76 0700 1500	93" / 35" 102" / 46°	80° / 40" 84° / 42°	TP on at 0815 TP off at <del>1330</del> 1415
8/30/76 0800 1600	87" / 36" 99" / 42°	80° / 42" 84° / 30°	TP on at 0845 TP off at 1330
8/31/76 0845 1445	86" / <del>34"</del> 97" / 46°	78" / 48" 81" / 47°	TP ON AT 0820 TP off at 1445
9-1-76 0700 1445	87" / 38" 94" / 48°	76" / 35" 80" / 47°	TP ON at 800 TP off at 1410
9-2-76 0730 1500	90" / 40" 96" / 46°	75" / 36" 82" / 42°	TP ON at 0810 TP off at 1330
9-3-76 0830	85" / 36" (100" / 48°)	78" / 48" 80" / 25°	TP ON at 0750 TP OFF at 1445
9-4-76 0850	87" / 28°	78" / 48°	T.P. ON 0815
9-5-76 0800	85" / 30°	80" / 48°	T.P. ON 0805
9-6-76 0715	88" / 35°	80" / 48°	024 1430 044 1450

		Depth/Temp.	Spray Pond Temperature	Comments
7/26	2000	42" / 86° @ USU pump 91° @ spray pond pump	84°	Ambient 52° F
7/76	07:30	31" / 82°	37" / 78°	
8/76	07:30	45" / 85°	36" / 76°	
8/76	08:00	84" / 42"	73" / 40"	
	1500	93" / 46"	84" / 45"	
7/10/76	06:00	82" / 27"	71" / 47"	
	1500	80" / 33"	78" / 48"	
9-11-76	08:00	80" / 33"	74" / 33" T.P. on 1250 off 1700	
9-12-76	08:30	80" / 39"	78" / 36" T.P. on 0815 off 1200	
9-13-76	07:30	83" / 42"	80" / 39" T.P. on 0900 50" T.P. off 1410	
9/14/76	08:00	82.5" / 31"	72.8" / 36"	
9/13/76	15:00	52"	Irrigation on "To Barrington"	
9/14/76	09:30	82.5" / 32"	Irrigation pump off	
9/15/76	07:30 1900	83.7" / 38" 49" 89.8	71.8" / 38" flowing both wells	
9/16/76	08:00	39" 87.5	70.5" / 38"	
9/17/76	08:30	30" 83.3	72.1" / 39"	
9-18-76	08:30	36" 111.0°	/40"	
9-19-76	07:30	40" 111°	78" / 48"	
9-20-76	07:30	39" 110	80" / 56"	
9-21-76	07:30	37" 110	81" / 48"	
9/22/76	7:30	36" 100	77" / 42"	
9/23/76	7:30	24" / 99	77" / 31"	
9/24/76	7:15	33" / 101.5°	75.5" / 40"	

		Time	Depth	Seepage Pans
1/25/76	7:25 A.	92°	30"	81.4/44"
1/26/76	7:50 A.	73.2°	24"	68.5/34"
1/27/76	8:35	70.1°	14"	} Shut Down for Direct flow from Reserve Pit to Raceway
1/29/76	8:15	72.5°	18"	
1/30/76	8:30	76.5°	17"	
1/31/76	8:30	76.0°	16"	
2-2-76	8:05	66°	12"	T.P. on 1300 044 1700
2-3-76	0800	65°	28"	T.P. on 0800
2-4-76	0650	65°	26"	Well Shut in —
10-5-76	08:30.	65°	25"	Well Shut in —
10-6-76	10:00	65°	17"	Well Shut in —
10-7-76	8:30	65°	25"	Flowing From 1# pit
10/8/76	8:00	65°	33"	1700 Darrington Pump on
10/9/76	8:30	82°	40"	Flowing From 1# pit
	1700			
10/10/76	0800	90°	38"	Flowing <del>OK</del> #1
10/11/76	0800	100°	30"	" " " "
	1530		24"	Terminated #1 flow into 2
10/12/76	8:30	72°	18"	Stop Flow From 1 into 2
10-13-76	0830	64°	18"	Pumping from #1
10-14-76	08:30	79°	23"	No Flow
10-15-76	0830	74°	35"	No Flow
10-16-76	0830	90°	47"	Flowing into PT. FM. #1
10-17-76	0800	98°	40"	" "
10-18-76	0800	98°	36"	" "
10-19-76	0830	100°	18"	" " 72°
10-20-76	0830	104°	24"	" " 80°
10/21/76	08:30	106°	30"	" " 77°
10/22/76	08:30	104°	37"	" " 78°
10/23/76	08:30	104°	37"	" " 80°

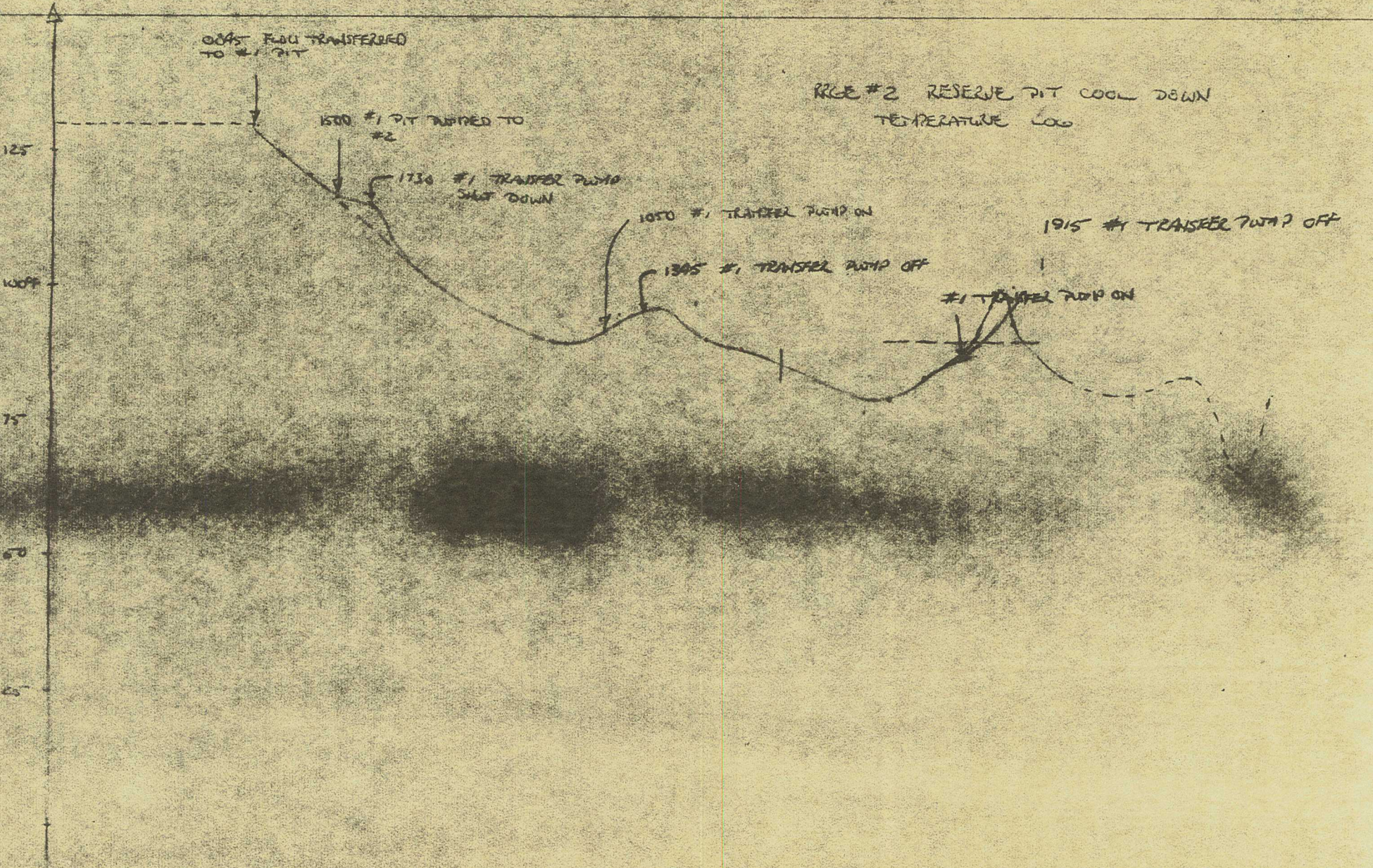
		Temp/Depth	Comments
10/24/76	08:30	104°/41"	FLOW FROM #1
10/25/76	08:30	104°/42"	" " "
10/26/76	08:30	98°/42"	" " "
10/27/76	08:30	100°/40"	" " "
10/28/76	08:30	100°/42"	" " "
10/29/76	08:30	102°/38"	" " "
10/30/76	08:30	102°/41"	" " "
10/31/76	08:00	102°/41"	" " "
11/1/76	08:00	102°/38"	" " "
11/2/76	09:00	101°/40"	" " "
11/3/76	07:30	106°/42"	" " "
11/4/76	07:30	104°/41"	" " "
11/5/76	08:00	102°/41"	" " "
11-5-76	08:00	102°/41"	" " "
11-6-76	08:00	102°/42"	" " "
11-7-76	08:00	102°/42"	" " "
11-8-76	8:30	102°/41"	" " "
11/9/76	8:30	102°/38"	" " "
11-10-76	8:30	102°/38"	" " "
11-11-76	8:00	100°/38"	" " "
1-16-76	8:30	100°/40"	" " "
11-17	08:30	60°/15"	FLOW FROM #1 STOPPED AT 20:45 11-11-76
11-18-76	08:30	54°/13"	" " "
11/19/76	08:30	57°/12"	" " "
11/20/76	09:00	60°/13"	FLOW RESUMED FROM #1 1400
11-21-76	08:30	94°/35"	FLOW FROM #1 DIRECT
11-22-76	08:30	95°/38"	" " "
11-23-76	08:00	102°/42"	" " "
11-25-76	08:00	102°/47"	" " "
11-26-76	08:00	89°/49"	" " "
11-27-76	08:30	80°/49"	" " "
11-28-76	08:00	84°/50"	" " "
11-29-76	08:30	92°/48"	" " "
11-30-76	14:50	92°/48"	" " "
12-1-76	08:30	94°/47"	" " "
12-2-76	09:00	96°/47"	" " "
12-3-76	08:30	110°/62"	" " "
12-4-76	08:00	110°/49"	" " "
12-5-76	09:30	113°/48"	" " "
12-6-76	09:30	111°/49"	" " "
12-7-76	08:30	112°/49"	" " "
12/8/76	08:30	111°/50"	" " "
12-9-76	09:00	100°/37"	" " "
12-10-76	08:30	100°/31"	" " "
12-11-76	08:45	104°/36"	" " "
12-12	08:30	99°/46"	" " "

1656PM

#2 Reserve pit	Temp/Depth	Comments	
12-13-76	0945	98°/49"	FLOW FROM NR#1 DF
12-15-76	08:00	98°/37"	Flow From NR.#1 DF
12-16	0930	111°/26"	" " " DF
12-17	0900	104°/38"	" " " DF
12-18	0940	103°/48"	" " " KP
12-19	0915	103°/50"	" " " DF
12-20	0930	104°/42"	" " " DF
12-21	09:00	98°/36	" " " DF
12-22-76	09:00	82°/33"	" " " LU
12-23-76	09:00	78°/34"	" " " LU
12-24-76	09:30	70°/36"	" " " LU
12-25-76	09:30	70°/36"	" " " LU
12-26	09:30	72°/36"	" " " DF
12-27	09:30	78°/36"	" " " LU
12-28	09:30	64°/37"	" " " DF
12-29	0900	65°/37"	" " " DF
12-30	0900	73°/38"	" " " LU
12-31	08:00	73°/39"	" " " LU
1-1-77	08:30	70°/39"	" " " LU
1-2-77	08:00	70°/39"	" " " LU
1-3-77	08:00	70°/40"	" " " LU
1-4-77	08:30	66°/40"	" " " LU
1-5-77	08:00	66°/40"	" " " LU
1-6-77	08:00	75°/40"	" " " LU
1-7-77	08:30	76°/40"	" " " LU
1-8	08:30	66°/38"	" " " DF
1-9	08:30	60°/40"	" " " LU
1-10	08:30	62°/41"	" " " LU
1-11	08:30	70°/41"	" " " LU



TEMP °F



0045 FDU TRANSFERRED TO #1 PIT

1500 #1 PIT TAPPED TO #2

1730 #1 TRANSFER PUMP SHUT DOWN

1050 #1 TRANSFER PUMP ON

1305 #1 TRANSFER PUMP OFF

#1 TRANSFER PUMP ON

1915 #1 TRANSFER PUMP OFF

RRGE #2 RESERVE PIT COOL DOWN TEMPERATURE LOW

125

100

75

50

25