

RAFT RIVER 5 MW(e) PRODUCTION TESTING

6207186

WELL	DATE	TYPE	DURATION (HOURS)	FLOW RATE (GPM)
RRGE-1	11/4/75	Flow	30	26
	2/2/76	pump	99	880
	10/12/79	pump	8	1200
	10/15/79	pump	80	1000
RRGE-2	5/14/75	D.S.T.*		
	10/12/75	Flow	15	225
	10/20/75	Flow	615	400
	2/17/77	Flow	24	200
	2/21/77	Flow	24	300
	3/3/77	Flow	24	250
	3/8/77	Flow	24	350
	3/14/77	Flow	24	400
	5/10/78	Pump	14	800
	5/30/78	Pump	12	740
	1/9/79	Pump	1	820
	1/9/79	Pump	1	760
	1/10/79	Pump	72	700
	3/20/79	Pump	504	600
	8/9/79	Pump	<1	750
	8/9/79	Pump	5.6	750
8/10/79	Pump	8	650	
8/11/79	Pump	96	450	
RRGE-3	6/8/77	Flow	193	135
	6/29/77	Pump	24	788
	7/6/77	Pump	288	592
	11/17/77	Pump	72	603
	11/28/77	Pump	504	603
	1/31/78	Pump	240	650

*D.S.T. Drill Stem Test

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	10/12/75	Flow	15	225
	10/20/75	Flow	615	400
	2/17/77	Flow	24	200
	2/21/77	Flow	24	300
	3/3/77	Flow	24	250
	3/8/77	Flow	24	350
	3/14/77	Flow	24	400
	5/10/78	Pump	14	800
	5/30/78	Pump	12	740
	1/9/79	Pump	1	820
	1/9/79	Pump	1	760
	1/10/79	Pump	72	700
	3/20/79	Pump	504	600
	8/9/79	Pump	<1	750
8/9/79	Pump	5.6	750	
8/10/79	Pump	8	650	
8/11/79	Pump	96	450	
RRGE-3	6/8/77	Flow	193	135
	6/29/77	Pump	24	788
	7/6/77	Pump	288	592
	11/17/77	Pump	72	603
	11/28/77	Pump	504	603
	1/31/78	Pump	240	650

*D.S.T. Drill Stem Test

RAFT RIVER 5 MW(e) INJECTION TESTING

WELL	DATE	TYPE	DURATION (HOURS)	FLOW RATE (GPM)
RRGI-6	5/1/78	Pump	5	800
	1/9/79	Pump	1	820
	1/9/79	Pump	1	760
	1/9/79	Pump	4	700
	1/10/79	Pump	72	700
	1/19/79	Pump	1	750
	1/19/79	Pump	1	820
	3/19/79	Pump	11	600
	3/20/79	Pump	504	600
	5/15/79	Pump	2	675
	5/15/79	Pump	1	675
	5/16/79	Pump	504	625
	9/28/79	Pump	<1	1000
	9/28/79	Pump	<1	1100
	9/28/79	Pump	<1	1200
	9/28/79	Pump	<1	1280
RRGI-7	8/2/78	Pump*	<1	840
	8/2/78	Pump*	1.5	675
	8/2/78	Pump*	2.5	450
	11/16/78	Pump**	5	400
	11/17/78	Pump**	72	400
	8/9/79	Pump	<1	750
	8/9/79	Pump	5.6	750
	8/10/79	Pump	8	620
	8/11/79	Pump	96	450
	10/12/79	Pump	8	1200
	10/15/79	Pump	80	1000

*Tested using Rig pump

**Tested using Cement truck pump

RAFT RIVER 5 MW(e) INJECTION TESTING

WELL	DATE	TYPE	DURATION (HOURS)	FLOW RATE (GPM)
RRGI-6	5/1/78	Pump	5	800
	1/9/79	Pump	1	820
	1/9/79	Pump	1	760
	1/9/79	Pump	4	700
	1/10/79	Pump	72	700
	1/19/79	Pump	1	750
	1/19/79	Pump	1	820
	3/19/79	Pump	11	600
	3/20/79	Pump	504	600
	5/15/79	Pump	2	675
	5/15/79	Pump	1	675
	5/16/79	Pump	504	625
	9/28/79	Pump	<1	1000
	9/28/79	Pump	<1	1100
	9/28/79	Pump	<1	1200
9/28/79	Pump	<1	1280	
RRGI-7	8/2/78	Pump*	<1	840
	8/2/78	Pump*	1.5	675
	8/2/78	Pump*	2.5	450
	11/16/78	Pump**	5	400
	11/17/78	Pump**	72	400
	8/9/79	Pump	<1	750
	8/9/79	Pump	5.6	750
	8/10/79	Pump	8	620
	8/11/79	Pump	96	450
	10/12/79	Pump	8	1200
10/15/79	Pump	80	1000	

*Tested using Rig pump

**Tested using Cement truck pump

RAFT RIVER 5MW(e) WELL AND SYSTEM CAPABILITIES

Production Well	Well Capacity 1) (gpm)	Maximum Rate At 5 years Pump Capacity 2) (gpm)
1	> 1800	1450
2	1100	950
3	<u>500</u>	<u>580</u>
TOTALS	3400	2980
Injection Well 3)		
6	1500	1080
7	1500	1100 (one pump)
TOTALS	<u>3000</u>	<u>1430</u> (two pumps) 2180 2510

- 1) Assumes no well interference.
- 2) Assumes no line pressure and no well interference.
- 3) All data based on hot water tests at 260°F.

RAFT RIVER 5MW(e) WELL CAPABILITIES

Production Well 1)	Maximum flow rate (9pm)	Well effectiveness MW(e)	Predicted Pressure decline (buildup) at 5 years (Psi)	Predicted Pressure decline (buildup) at 30 years (Psi)
1	> 1800	2.4	714	790
2	1100	1.7	406	548
3	500	0.9	712	792
Injection Well 2)				
6	1500	-	586	640
7	1500	-	483	535

1) Maximum Rates and resultant pressures assume no well interference.

2) Maximum Rates and resultant pressures assume no well interference.

All data based on hot water tests at 260°F.