MONITOR WELL DEVELOPMENT

WELL: ST-4-690

Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	T°C	Cond	Turbidity (NTU)	Initials	Comments
09/29/92	0915	Bail	0	165	-	-	-	-	MGC	≈ 5.5 gallons/bail, total 30 bails.
09/29/92	1446	Pump	0	165	-	-	-	-	DM	Test pump at 6.5 gpm, try to pump dry. Discharge very muddy.
09/29/92	1456	"	65	230	-	-	-	>>100	DM	Measure discharge at 7.5 gpm.
09/29/92	1516	"	150	380	-	-	-	>100	DM	Measure discharge at 7.5 gpm. Discharge slightly muddy.
09/29/92	1606	"	375	755	-	-	-	>100	DM	Shut pump off, could not pump dry.
10/01/92	1224	"	0	755	-	-	-	-	DM	Begin discharge at 7.5 gpm.
10/01/92	1234	"	75	830	-	07	1120	>>100	DM	Battery dead on pH meter.
10/01/92	1248	"	98	928	-	-	-	>>100	DM	Measure discharge at 7 gpm, very muddy.
10/01/92	1255	"	49	977	-	27.5	1030	>100	DM	Sample much less muddy but turbidity still >100 NTU's.
10/01/92	1307	"	84	1061	-	28	1020	24	DM	Discharge suddenly cleared up.
10/01/92	1324	"	98	1159	-	28.5	1010	>100	DM	Slightly muddy again.
10/01/92	1354	"	210	1369	-	29	990	>100	DM	Muddy from drilling mud.
10/01/92	1420	"	182	1551	-	29	990	44	DM	Visible suspended drilling mud still present.
10/01/92	1428	"	112	1663	-	-	-	-	DM	Shut pump off.

Water level: pre-development 422.0' G.S. (09/03/92); post-development 422.18' G.S.

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10/02/92	1318	Pump	0	1663	-	-	-	-	MGC	Discharge begins 5 gallons/40 seconds ≈ 7.5 gpm.
10/02/92	1323	"	38	1701	-	26.5	980	35	MGC	Water is murky.
10/02/92	1345	"	165	1866	-	29	990	44	MGC	Water is murky.
10/02/92	1400	"	113	1979	-	29	910	30	MGC	Water is clearing slightly.
10/02/92	1416	"	120	2099	-	29	790	14	MGC	
10/02/92	1421	"	38	2137	-	-	-	-	MGC	Pump off to backwash.
10/02/92	1429	"	0	2137	-	-	-	-	MGC	Discharge begins.
10/02/92	1431	"	15	2152	-	28.5	960	44	MGC	Water is slightly rust colored.
10/02/92	1434	"	23	2175	-	29	930	40	MGC	Water is cloudy.
10/02/92	1450	"	112	2287	-	28.5	960	27	MGC	Discharge at 7 gpm.
10/02/92	1520	"	210	2497	-	28	860	14	MGC	Water is clearing.
10/02/92	1521	"	7	2504	-	-	-	-	MGC	Pump off to backwash.
10/02/92	1532	"	-	2504	-	-	-	-	MGC	Discharge resumes at 7 gpm.
10/02/92	1535	"	21	2525	-	28	960	20	MGC	Water is slightly cloudy.
10/02/92	1547	"	84	2609	-	25.5	900	12	MGC	Water is clearing.
10/02/92	1600	"	91	2700	-	28	920	8	MGC	
10/02/92	1601	"	7	2707	-	-	-	-	MGC	Pump off.
10/05/92	0950	"	0	2707	-	-	-	-	DM	Begin discharge at 7.0 gpm.
10/05/92	0955	"	35	2742	8.92	25	960	27	DM	

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10/05/92	1011	Pump	112	2854	8.60	26	960	6.8	DM	
10/05/92	1041	"	210	3064	7.94	28	950	5.6	DM	
10/05/92	1110	"	203	3267	7.77	28	970	3.4	DM	
10/05/92	1130	"	140	3407	7.70	28	970	2.2	DM	
10/05/92	1145	"	105	3512	7.68	28	960	1.6	DM	
10/05/92	1200	"	105	3617	7.63	28	950	2.0	DM	
10/05/92	1204	"	28	3645	-	-	-	-	DM	Discharge ends. Well developed. Pull pump.

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