MONITOR WELL DEVELOPMENT

WELL: BLM-27-270

Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	T°C	Cond	Turbidity (NTU)	Initials	Comments
07/15/91	1005	Bail	0	-	9.20	25	1100	64.0	DM	Cloudy
07/15/91	1012	"	-	-	9.26	25	1010	>100	DM	
07/15/91	1028	"	-	61.0	8.45	26.5	900	71.0	DM	
07/16/91	1433	Pump	0	61	-	-	-	-	DM	Install ½ horse submersible pump.
07/16/91	1435	"	10	71	7.35	23.5	730	16.0	DM	Discharging 5 gpm. Cut back to 3 gpm.
07/16/91	1438	"	9	80	7.53	23.0	750	11.5	DM	
07/16/91	1440	"	6	86	-	-	-	-	DM	Discharge ends.
07/17/91	1035	"	0	86	-	-	-	-	JFC	Discharge begins 5 gpm.
07/17/91	1036	"	5	91	8.20	25.0	800	13.5	JFC	Discharge contains soap. Cut back to 4 gpm.
07/17/91	1042	"	24	115	7.98	25.0	750	33.0	JFC	Sample is soapy.
07/17/91	1047	"	20	135	8.04	24.0	775	19.0	JFC	4 gpm sample is soapy.
07/18/91	0917	"	0	135	-	-	-	-	JCF	Discharge begins 3 gpm.
07/18/91	0919	"	6	141	7.83	24.0	750	21.0	JCF	Discharge cloudy, soapy but clears rapidly.
07/18/91	0925	"	18	159	7.83	24.5	650	42.0	JCF	Yellowish.
07/18/91	0929	"	12	171	7.63	23.75	625	14.0	JCF	

Water level: pre-development 228.77' (T.O.C.) 07/15/91/post-development: 230.26' (T.O.C.) 08/12/91

MONITOR WELL DEVELOPMENT

WELL: BLM-27-270

Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	T°C	Cond	Turbidity (NTU)	Initials	Comments
07/18/91	0931	"	6	177	-	-	-	-	JCF	Discharge over - pump off.
07/19/91	0928	"	0	177	-	-	-	-	JFC	Discharge begins 5 gpm, soapy discharge.
07/19/91	0929	"	5	182	7.75	23.0	600	17.0	JFC	Cut back to 3 gpm.
07/19/91	0935	Pump	18	200	6.87	23.0	800	21.0	JFC	
07/19/91	0940	"	15	215	7.46	23.0	675	8.4	JFC	
07/19/91	0943	"	9	224	-	-	-	-	JFC	Discharge ends.
07/22/91	0939	"	0	224	-	-	-	-	JFC	Discharge begins at 2 gpm.
07/22/91	0943	"	8	232	7.64	22.5	625	15.0	JFC	Soapy.
07/22/91	0952	"	18	250	6.88	22.5	780	38.0	JFC	Cloudy green discharge from bottom of tremie.
07/22/91	0956	"	8	258	7.30	22.5	690	19.0	JFC	
07/22/91	1001	"	10	268	7.44	23.0	710	15.0	JFC	
07/22/91	1005	"	8	276	-	-	-	-	JFC	Discharge ends.
07/23/91	0817	"	0	276	-	-	-	-	JFC	Discharge begins ≈ 2.5 gpm.
07/23/91	0820	"	7.5	283.5	7.70	22.5	650	38	JFC	Soapy.
07/23/91	0827	"	15	298.5	7.15	22.5	800	25.5	JFC	
07/23/91	0832	"	12.5	311	7.56	23.0	680	5.2	JFC	Discharge ends.
07/23/91	0836	"	10	321	-	-	-	-	JFC	
07/23/91	1520	"	0	321	-	-	-	-	JFC	Begin discharge 2.5 gpm.
07/23/91	1521	Pump	2.5	323.5	7.78	25.5	700	3.8	JFC	Soapy.
07/23/91	1525	"	10	333.5	7.55	24.0	670	3.8	JFC	

Water level: pre-development 228.77' (T.O.C.) 07/15/91/post-development: 230.26' (T.O.C.) 08/12/91

MONITOR WELL DEVELOPMENT

WELL: BLM-27-270

Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	T°C	Cond	Turbidity (NTU)	Initials	Comments
07/23/91	1533	"	20	353.5	-	-	-	-	JFC	Discharge ends.
07/24/91	1156	"	0	353.5	-	-	-	-	DM	Discharge begins 3 gpm.
07/24/91	1158	"	6	359.5	7.96	24.0	700	12.5	DM	Sample is soapy.
07/24/91	1205	"	21.0	380.5	7.48	24.0	750	17.0	DM	
07/24/91	1209	"	12.0	392.5	7.90	24.5	610	2.6	DM	
07/24/91	1211	"	6.0	398.5	-	-	-	-	DM	Discharge over, pump off.
07/25/91	0844	"	0	398.5	-	-	-	-	JFC	Begin discharge at 2.5 gpm.
07/25/91	0847	"	7.5	406.0	8.30	22.0	610	3.8	JFC	Soapy
07/25/91	0853	"	15	421	8.16	22.5	650	4.6	JFC	
07/25/91	0900	"	17.5	438.5	8.29	23.0	630	2.1	JFC	
07/25/91	0901	"	2.5	441.0	-	-	-	-	JFC	Discharge ends, sample still soapy.
07/26/91	0848	"	0	441.0	-	-	-	-	JFC	Discharge begins at 2.5 gpm.
07/26/91	0850	"	5	446.0	7.62	22.5	640	21	JFC	Soapy.
07/26/91	0854	"	10	456.0	7.69	22.0	630	6.2	JFC	
07/26/91	0900	"	15	471.0	7.47	22.5	720	21.5	JFC	
07/26/91	0906	"	15	486.0	7.67	23.0	660	2.6	JFC	
07/26/91	0909	"	7.5	493.5	-	-	-	-	JFC	Discharge ends.
07/29/91	0956	Pump	0	493.5	-	-	-	-	DM	Begin discharge at 2.5 gpm.
07/29/91	0958	"	5	498.5	8.09	21.5	650	6.7	DM	
07/29/91	1006	"	20	518.5	7.33	22.5	710	19	DM	

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Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	T°C	Cond	Turbidity (NTU)	Initials	Comments
07/29/91	1014	Pump	20	538.5	7.68	22.5	670	4.1	DM	Turbidities are low but still a lot of soap present in samples - continue pumping.
07/29/91	1016	"	5	543.5	-	-	-	-	DM	Discharge ends.
07/30/91	0957	"	0	543.5	-	-	-	-	DM	Begin discharge at 2.5 gpm.
07/30/91	0959	"	5	548.5	7.99	23	650	7.8	DM	
07/30/91	1003	"	10	558.5	7.97	23	630	6.8	DM	
07/30/91	1011	"	20	578.5	7.94	24	650	2.6	DM	Sample still soapy.
07/30/91	1014	"	7.5	586.0	7.90	24	650	2.7	DM	
07/30/91	1018	"	10	596	-	-	-	-	DM	Discharge ends.
07/31/91	1434	"	0	596	-	-	-	-	DM	Begin discharge at 2.5 gpm.
07/31/91	1448	"	35	631	8.03	23	650	3.9	DM	
07/31/91	1450	"	5	636	7.88	24	650	3.1	DM	
07/31/91	1454	"	10	646	-	-	-	-	DM	Discharge ends.
08/01/91	0936	"	0	646	-	-	-	-	DM	Begin discharge at 2.5 gpm.
08/01/91	0938	"	5	651	7.79	23	650	6.2	DM	
08/01/91	0948	"	25	676	7.77	23.5	670	4.8	DM	Sample soapy.
08/01/91	0952	"	10	686	7.85	24	650	3.1	DM	
08/01/91	0956	"	10	696	-	-	-	-	DM	Discharge ends.
08/02/91	1043	Pump	0	696	-	-	-	-	DM	Begin discharge at 2.5 gpm.
08/02/91	1045	"	5	701	7.87	23.5	640	5.3	DM	Sample slightly soapy.

Water level: pre-development 228.77' (T.O.C.) 07/15/91/post-development: 230.26' (T.O.C.) 08/12/91

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WELL: BLM-27-270

Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	T°C	Cond	Turbidity (NTU)	Initials	Comments
08/02/91	1055	Pump	25	726	7.85	23.5	680	4.5	DM	
08/02/91	1059	"	10	736	7.93	24	680	2.8	DM	
08/02/91	1103	"	10	746	-	-	-	-	DM	Discharge ends.
08/05/91	1445	"	0	746	-	-	-	-	JCF	Discharge begins at 2 gpm.
08/05/91	1447	"	4	750	8.33	23	650	7.2	JCF	Discharge 3 gpm.
08/05/91	1457	"	12	762	8.04	24	700	7.2	JCF	Not soapy.
08/05/91	1502	"	15	777	-	-	-	-	JCF	Discharge over.
08/06/91	0836	"	0	777	-	-	-	-	JCF	Discharge begins at 3 gpm.
08/06/91	0840	"	12	789	8.15	22.5	625	7.0	JCF	Small amount of soap.
08/06/91	0845	"	15	804	7.83	23.0	650	6.3	JCF	
08/06/91	0847	"	6	810	-	-	-	-	JCF	Discharge over.
08/07/91	1006	"	0	810	-	-	-	-	JCF	Discharge begins at 3 gpm.
08/07/91	1010	"	12	822	8.07	23.0	625	15.0	JCF	Looks much lower than 15.
08/07/91	1015	"	15	837	8.09	23.5	650	4.3	JCF	No soap.
08/07/91	1020	"	15	852	-	-	-	-	JCF	Discharge over.
08/08/91	0917	"	0	852	-	-	-	-	JCF	Discharge begins at 3 gpm.
08/08/91	0920	"	9	861	8.25	22.0	625	4.9	JCF	Sample - good.
08/08/91	0925	"	15	876	7.62	22.5	675	4.2	JCF	
08/08/91	0930	"	15	891	-	-	-	-	JCF	Discharge over, development completed, pull pump.

Water level: pre-development 228.77' (T.O.C.) 07/15/91/post-development: 230.26' (T.O.C.) 08/12/91