MONITOR WELL DEVELOPMENT

WELL: BLM-18-430

Water Level
pre-development 371.4'
post-development_____

Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	T°C	Cond	Turbidity (NTU)	Initials	Comments
09/19/89	1050	surge	0	0	--	--	--	--	RPC	Surge water 15 times.
09/19/89	1105	bail	120	120	--	--	--	very turbid	RPC	Discharge water starts very turbid and brown. Last discharge water turbid but more clear. Water level approx. 439' after baili
09/19/89	1330	--	--	120	--	--	--	--	RPC	Water level after 1.5 hrs. 382.4'.
09/20/89	1000	pump	100	220	--	--	--	very turbid & soapy	RPC	1/2 hp submersible pump set at approx. 445'. Pump rate approx. 3.5 gpm.
09/20/89	1250	pump	45	265	--	--	--	soapy	RPC	Pump oulet is fully open.
09/20/89	1420	pump	30	295	--	--	--	soapy	RPC	Water discharge measured with 5 gallon bucket.
09/20/89	1640	pump	45	340	--	--	--	soapy	RPC	
09/21/89	0810	pump	40	380	--	--	--	soapy	RPC	Discharge soapy with E-Z mud.
09/21/89	1010	pump	30	410	--	--	--	soapy	RPC	As above.
09/21/89	1200	pump	35	445	--	--	--	soapy	RPC	As above.
09/21/89	1400	pump	20	465	--	--	--	soapy	RPC	As above.
09/20/89	1700	pump	30	495	--	--	--	soapy	RPC	As above.
09/22/89	1050	pump	40	535	--	--	--	soapy	RPC	Water soapy, but E-Z mud has disappeared.

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Water Level
pre-development_____
post-development_____

Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	T°C	Cond	Turbidity (NTU)	Initials	Comments
09/22/89	1300	pump	30	565	--	--	--	soapy	RPC	
09/22/89	1630	pump	35	600	--	--	--	soapy	RPC	
09/25/89	0930	pump	45	645	--	--	--	--	RPC	
09/25/89	1230	pump	35	680	--	--	--	--	RPC	
09/25/89	1430	pump	30	710	--	--	--	6.8	RPC	Turbidity measured by Lockheed; still slightly soapy.
09/25/89	1655	pump	30	740	--	--	--	--	RPC	
09/26/89	0840	pump	40	780	--	--	--	--	RPC	
09/26/89	1150	pump	30	810	--	--	--	--	RPC	
09/26/89	1430	pump	30	840	--	--	--	--	RPC	
10/03/89	1300	pump	25	865	7.34	27	1000	>100	RPC	First water black from tremie then very silty.
10/03/89	1303	pump	10	875	7.38	24.5	1000	>100	RPC	Initial discharge: pump rate 5 gal/23 sec.
10/03/89	1519	pump	5	880	7.30	25.5	1000	>100	RPC	Water much cleaner than 1st pumping of the day.
10/03/89	1521	pump	20	900	7.40	23.5	1000	>100	RPC	

MONITOR WELL DEVELOPMENT

WELL: BIM-18-430

Water Level
pre-development_____
post-development_____

Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	ToC	Cond	Turbidity (NTU)	Initials	Comments
10/04/89	1047	pump	35	935	7.40	24	1000	*	GJC	Pump rate = 5 gal/25 sec (initial discharge). First water dark grey then moderately silty.
10/04/89	1428	pump	30	965	7.24	24	1000	15	GJC	First water orange brown color from tremie then slightly silty.
10/04/89	1430	pump	5	970	7.44	24	1000	10	GJC	
10/05/89	1207	pump	5	975	7.24	29.4	1000	16	JFK	Pump rate 5 gal/20 sec. Started silty, ended clear.
10/05/89	1209	pump	40	1015	7.45	29.4	950	15	JFK	
10/05/89	1528	pump	5.5	1020.5	7.32	29.4	950	5.5	JFK	Began silty. Turbidity drop assumed to be correct.
10/05/89	1529	pump	32	1052.5	7.38	29.4	950	9.8	JFK	Unit recalibrated with each measurement.
10/06/89	1347	pump	1	1053.5	7.53	23	950	40	PSE	Very turbid at first, then slightly cloudy. Minute amount of very fine sand. Pump rate approximately 5 gal/20 sec.
10/06/89	1350	pump	45	1098.5	7.40	24	950	11	PSE	Slightly cloudy.
10/06/89	1351	pump	10	1108.5	—	—	—	—	PSE	Pump off.
10/06/89	1527	pump	1	1109.5	7.34	24	925	0.7	PSE	Pump on. Rusty water then clear. very fine sand.
10/06/89	1530	pump	46	1155.5	7.43	24	1000	0.5	PSE	Clear. Minute amount very fine sand.

*Turbidity meter not fully charged, no reading taken.

MONITOR WELL DEVELOPMENT

WELL: BIM-18-439

Water Level
pre-development _____
post-development _____

Date	Time	Method	Delta Volume (gallons)	Total Volume (gallons)	pH	T°C	Cond	Turbidity (NTU)	Initials	Comments
10/06/89	1531	pump	5	1160.5	--	--	--	--	PSE	Pump off.
10/07/89	1211	pump	7	1167.5	7.31	25	1000	12	JFK	Began rusty, sample clear.
10/07/89	1213	pump	33.5	1201	7.42	24.5	1000	7	JFK	Clear. Discharge is 15 gpm.
10/09/89	1254	pump	30	1231	7.40	24	1000	33	GJC	Pump on, initial very turbid then clear after approx. 20 sec.
10/09/89	1257	pump	5	1236	7.45	24	1000	13	RPC	Then clear after approx. 20 sec.
10/10/89	1045	pump	35	1271	7.40	23	1000	13	RPC	
10/10/89	1330	pump	5	1276	7.37	24	1000	9	RPC	Turbidity scale = 10.
10/10/89	1333	pump	25	1301	7.40	24	1000	>10	RPC	
10/16/89	1045	pump	24	1325	--	--	--	--	PSE	Pump on for 1.5 min. Water is clear
10/16/89	1535	pump	36	1361	--	--	--	--	PSE	Pump on for 1.4 minutes water is clear.
										Well Developed