Impac	Operator:	Project:	Field Name:
	RKM	Dr. Alan Titus	

Sample Description			XRD Results																				
			Carbonates				Minerals						Clays					Groups					
Measured Depth	Sample Type	Location	Ankerite	Calcite	Dolomite	Siderite	Quartz	K-Spar	Plag	Pyrite	Halite(soluble) (Recalculated)	Marcasite	Total Clay	Chlorite	Kaolinite	Illite	I/S	ML/I	Smectite (Total)	Mixed	Clays
Feet			%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
XRD-1	unit 3 mudstone		60.3	6	11	Tr	45	7	2	Tr	0	0	29	5.72	6.50	6.18	10.62	54	17	0	28
XRD-2	unit 4 green ripple		51.6	4	9	Tr	64	4	2	Tr	0	0	37	8.00	8.41	7.81	12.77	50	13	0	37
XRD-3	unit 4 gray ripple		56.7	15	11	Tr	35	4	3	Tr	0	0	32	5.19	3.28	10.90	12.64	62	26	0	32
XRD-5	unit 6 clay mudstone		71.2	65	2	Tr	8	1	2	Tr	6	0	16	5.85	3.49	4.54	2.18	11	67	6	16