MONITORING WELL CONSTRUCTION DIAGRAM (FLUSH MOUNT)

Facility/Project Name	Facility Location/Address					Client Name			
Former Cliff Dow Site	100 Wright	100 Wright St./ Lake Shore Blvd Marquette Mi					City of Marquette Date Well Installed		
Well Name									
UPG-200B							Dei	9/21/2009 Il Crew	
TriMedia Project Number 99-059							DII	DDM, TJM	
Type of Well		Location of	f Well from S	Source.			Geo	ologist/Technician	
Water Table Observation Well	\boxtimes		gradient	, our co		Sidegradient		DDM	
Piezometer	_		wngradient		×	Not Known	Cor	mments	
Other	_								
		•							
A. Well Casing (top elevation)	603.88	ft I	3		2	_	1	Cap and Lock <u>x</u> Yes <u>No</u>	
D 1 10 6 F1	504.44						2	Protective Pipe Yes No.	
B. Land Surface Elevation	604.44	_ft		A				Length ft	
				1 4		3		Material SteelOther	
C. Surface Seal (bottom)	1	ft (,	1 4		3		Additional Protection x Yes No	
c. Surface Scar (bottom)								Flushmount	
						1		1 idsimbodit	
D. Annular Seal (bottom)	none	ft					3	Surface Seal Bentonite	
,	•	_ `						Concrete x	
				5				Other	
E. Bentonite Seal (bottom)	8	ft							
		_					4	Material between well casing and protective pipe	
				9				Bentonite	
F. Fine Sand (bottom)	none	ft D						Annual Space Seal	
								none Other	
G. Filter Pack (top)	8	ft E		6			5	Annular Space Seal Bentonite Chips	
								Bentonite/Cuttings Mixture	
								none Other	
H. Screen Joint (top)	10.61	_ft F		7				Insulation: Tremie	
								Gravity	
		G							
I. Well Bottom	15.61	_ft		Н			6	Bentonite Seal Bentonite Chips x	
								1/4 inch Bentonite Pellets	
J. Filter Pack (bottom)	15.61	£.		8				<u>x</u> 3/8 inch	
J. Pitter Pack (Bottom)	15.61	_ft		- °			7	Fine Sand Material Manuf., Prod. Name, and Mesh Size	
				10			,	K&E well gravel 20/40	
K. Borehole Bottom	15.8	ft		10				recover gave 20 to	
							8	Filter Pack Material Manuf., Prod. Name, and Mesh Size	
								K&E well gravel 20/40	
				I					
			J				9	Well Casing Material sch 40 pvc	
				11				Flush Thread x	
Borehole Da	nta							Other	
Borehole Diameter	2.25	in in		K					
							10	Screen Material	
O.D. Well Casing	0.8	<u>3</u> in						Screen type: Factory Cut x	
								sch 40 pvc Other	
I.D. Well Casing	0.75	<u>in</u>						Slot Size 0.1	
								Slot Length 5'	
							11	Backfill Material (below filter pack)	
								None x	
								Other	

DDM	Geologist/Technician
TAG	Reviewed

