MONITORING WE	LL CONSTRUCTION	DIAGRAM (STICK-UP)
		Distriction (Distois Of)

Will Name Margunes, MJ Disk Will Insulated 92/2009 92/2009 Tableal Department 100 <	Facility/Project Name		Facility Location/Address 100 Wright St. / Lakeshore Blvd.			lvd	Clie	Client Name		
Diable Trajes Number Number Number Diable Trajes Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Numer Number Numer Number Number Number Number Numer Number Number	Former Cliff Dow Site Well Name					ivu.	Date	City of Marquette Date Well Installed		
99.09 DOM T/M Devalue of Wint Table Observations Will Devalue of Will from Source Decomptot Constraintsian Dominantsi Dominantsian Dominantsi Dominant	GSI-900A			1 · · ·						
Type of Well Description of Well from Source Geological Technician Weier Table Observation Well D Upstanding Other Not Known Comments A. Well Casing (top elevation) 602.21 ft Not Known A. Well Casing (top elevation) 602.21 ft Not Known B. Land Surface Elevation 599.63 ft B Not Known C. Surface Seal (bottom) 1 ft Not Known C. Surface Seal (bottom) 1 ft Not D. Annular Stal (top) Nome ft ft F. Fine Sand (rop) Nome ft g g g ft g g ft Material Obter I. Seener Joint (top) Nome ft g g g ft J. Filter Pack (top) 6.5 ft E ft g g g g J. Well Rottom 14.2 ft g g g g g g g g g g g g g g g g g g g	TriMedia Project Number						Dril	Drill Crew		
Week Date Observation Weil DB DB December DDM Other Downgradient DDM A. Well Casing (up elevation) 01223 ft 1 C parallels Downgradient B. Land Surface Elevation 5926.51 ft B 1 C parallels No B. Land Surface Elevation 5926.51 ft B 1 C parallels No C. Surface Seal (bottom) 1 ft 1 C parallels No D. Annular Seal (top) Nome ft 0 9 ft 0 E. Bentonic Scal (top) Nome ft 0 9 ft 0 G. Filter Pask (top) 6.5 ft F 0 9 ft 1 J. Filter Pask (top) 6.5 ft F 0 1 ft J. Filter Pask (top) 6.5 ft F 0 1 ft J. Filter Pask (topin) 142 ft 6 1 1 1 J. Filter Pask (topin) 142 ft 6 1 1 1 J. Filter Pask (topin) 142 ft 1 1 1 1 J. Filter Pask (topin) 142 ft 1 1 1 1 J. Filter Pask (topin)										
Processor Image: Comparation of the second		_					Geo			
Order I Cap and Lock X_Yes No A. Well Casing (op elevation) <u>692.22</u> ft I I Cap and Lock X_Yes No B. Land Surface Elevation <u>599.63</u> ft B I Cap and Lock X_Yes No C. Surface Seal (bottom)						Com				
A. Well Casing (top elevation) 60122 ft ft Cap and Lock X_Yes No B. Land Starface Elevation 599.631 ft B C. Surface Seal (borrom) 1 ft C D. Annular Seal (top) None ft C E. Bentonic Seal (top) None ft C F. Fine Sand (top) None ft C F. Fine Sand (top) None ft C G. Filter Pack (top) 6.5 ft ft C H. Screen Joint (top) 9.15 ft F G. Filter Pack (top) 9.15 ft F G. Filter Pack (top) 9.15 ft F G. Filter Pack (top) 9.15 ft F J. Filter Pack (top) 142 ft C Surface Seal Contents C Surface Se			L Dow	ngradient		I NOT KHOWH	Con	inents		
B. Land Surface Elevation 599.651 ft B. B. 1 ft C. Surface Seal (bottom) 1 ft C. Surface Seal (ft C. Surfa	ouidi									
B. Land Surface Elevation 596 631 ft B 4 2 Leight 5 ft C. Surface Seal (bottom)	A. Well Casing (top elevation)	603.23	ft		А	1	1	Cap and Lock	X Yes No	
B. Land Surface Elevation 596 631 ft B 4 2 Leight 5 ft C. Surface Seal (bottom)							2	Destastiva Dina	V Vac No	
C. Surface Seal (bottom) ft	B. Land Surface Elevation	599.631	ft B		4 2	2	2	Protective Pipe		
C. Surface Seal (bottom) ft C Additional Protection Ves No N								Material		
C 3 D. Annular Scal (top) None ft E. Bentonite Scal (top) 1 ft F. Fine Sand (top) 1 ft G. Filter Pack (top) 6 A. Screen Joint (top) 9 9 7 6 Bentonite Scal 1. Well Bottom 1415 ft 1. Well Bottom 142 ft 1. Well Casing 0.5 in 1. Well Casing 0.5 in 1. Backfold Material Manuf., Prod. Name, and Mash Size None None 1. D. Well Casing 0.51 in 1. D. Well Casing 0.51 in 1.									Other	
D. Amular Scal (top) Noneft	C. Surface Seal (bottom)	1	ft					Additional Protection	Yes No	
E. Bentonite Seal (top) ft			С			3				
E. Bentonite Seal (top) ft	D Annular Seal (top)	None	ft				3	Surface Seal	Bentonite	
E. Bentonite Seal (top)f F. Fine Sand (top)f G. Filter Pack (top)65 ft E H. Screen Joint (top)15 ft F J. Filter Pack (bottom)14.15 ft G J. Filter Pack (bottom)14.2 ftG J. Filter Pack (bottom)14.2 ftG K. Borehole Bottom14.2 ftI Bertonite Chips X G Bentonite SealG J. Filter Pack (bottom)14.2 ftG J. Filter Pack (bottom)14.2 ftI Bertonite Chips X J. Filter Pack (bottom)G J. Filter Pack MaterialG J. Solt Length SG J. Backfill Material (below filter pack)G J. Backfill Material (belo	D. Annua Sca (top)	None					5	Surface Scar		
F. Fine Sand (top) Noneft D 9 G. Filter Pack (top) 6.5 ft E. Screen Joint (top) 9.15 ft F. K. Borehole Bottom 14.15 ft J. Filter Pack (bottom) 14.2 ft <td< td=""><td></td><td></td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td></td<>					5					
F. Fine Sand (top) Noneft D 9 6 G. Filter Pack (top) 6.5 ft E 6 H. Screen Joint (top) 9.15 ft F 7 G H 7 7 G. Filter Pack (totom) 9.15 ft F 7 J. Filter Pack (bottom) 14.2 ft 11 8 J. Filter Pack (bottom) 14.2 ft 11 8 J. Filter Pack (bottom) 14.2 ft 10 8 J. Filter Pack (bottom) 14.2 ft 10 J. J	E. Bentonite Seal (top)	1	ft							
F. Fine Sand (top) None ft D G. Filter Pack (top) 6.5 ft 6 H. Screen Joint (top) 9.15 ft F G H 7 G H 7 G H 7 G H 7 G H 7 G H 7 G H 7 G H 7 G H 8 J. Filter Pack (bottom) 14.2 ft J. T 11 Borehole Bottom 14.2 ft J. T 11 K Borehole Data D.D. Well Casing 0.8 in LD. Well Casing 0.8 in LD. Well Casing 0.75 in K K II Backfill Material (below filter pack) None Sch 40 ppc Other 0ther J. Backfill Material (be							4	Material between well casing and protective pi	pe	
G. Filter Pack (top) <u>6.5 ft</u> E <u>6</u> H. Screen Joint (top) <u>9.15 ft</u> F <u>7</u> I. Well Bottom <u>14.15 ft</u> J. Filter Pack (bottom) <u>14.2 ft</u> Borehole Bottom <u>14.2 ft</u> Borehole Bottom <u>14.2 ft</u> Borehole Data Borehole Data Borehole Data D. Well Casing <u>0.8 in</u> LD. Well Casing				9	9					
G. Filter Pack (top) <u>6.5</u> ft E <u>6</u> H. Screen Joint (top) <u>9.15</u> ft F <u>7</u> I. Well Bottom <u>14.15</u> ft <u>6</u> J. Filter Pack (bottom) <u>14.2</u> ft <u>14.2</u> ft <u>10</u> K. Borehole Bottom <u>14.2</u> ft <u>10</u> <u>1</u> <u>Borehole Bottom <u>14.2</u> ft <u>11</u> <u>Borehole Data</u> <u>Borehole Data</u> <u>10</u> <u>1</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u>11</u> <u></u></u>	F. Fine Sand (top)	None	ft D							
H. Screen Joint (top) 9.15 ft F G I. Well Bottom 14.15 ft J. Filter Pack (bottom) 14.2 ft Borehole Bottom 14.2 ft J Borehole Data Borehole Data Borehole Data Borehole Data Borehole Data D. Well Casing 0.8 in LD. Well Casing 0.75 in C. Well Casing 0.75								None	Other	
H. Screen Joint (top) 9.15 ft F G I. Well Bottom 14.15 ft J. Filter Pack (bottom) 14.2 ft K. Borehole Bottom 14.2 ft J Borehole Data Borehole Data Borehole Data Borehole Data D. Well Casing 0.8 in LD. Well Casing 0.7 in Borehole Data Borehole Data Borehole Data Borehole Data Borehole Data Borehole Data Borehole Data Borehole Data Borehole Data Borehole Data D. Well Casing 0.8 in LD. Well Casing 0.75 in Well Casing 0.75 in We	G. Filter Pack (top)	6.5	ft E		6		5	Annular Space Seal	Bentonite Chips	
H. Screen Joint (top) 9.15 ft F G H G H J. Filter Pack (bottom) 14.2 ft K. Borehole Bottom 14.2 ft Borehole Data Borehole Data Borehole Data Borehole Data D. Well Casing 0.D. Well Casing 0.D. Well Casing 0.75 in C. Well Casing	× 17		-							
G H J. Filter Pack (bottom) 14.2 ft J. Filter Pack (bottom) 14.2 ft Borehole Bottom 14.2 ft I I								None	Other	
I. Well Bottom 14.15 ft H J. Filter Pack (bottom) 14.2 ft 8 I. Borehole Bottom 14.2 ft 10 J. Filter Pack (bottom) 14.2 ft 10 J. Filter Pack (bottom) 14.2 ft 10 J. Borehole Bottom 14.2 ft 10 J. J. T J. T 10 J. D. Well Casing 0.8 in 11 K. Borehole Data K K Borehole Data K 11 Borehole Data K 11 I.D. Well Casing 0.8 in K I.D. Well Casing 0.75 in K	H. Screen Joint (top)	9.15	ft F		7			Insu	lation: Tremie	
I. Well Bottom 14.15 ft 1, Filter Pack (bottom) 14.2 ft 1, Fil									Gravity	
J. Filter Pack (bottom) 14.2 ft K. Borehole Bottom 14.2 ft I0 10 I1 7 Fine Sand Material Manuf., Prod. Name, and Mesh Size None None 8 Filter Pack (Material Manuf., Prod. Name, and Mesh Size None None 9 Well Casing Material Sch 40 pvc 10 Screen type: Factory Cut X Other Slot Length 5' 11 Backfill Material (below filter pack) None None X	I Wall Dottom	14.15			п		6	Dontonita Sool	Pontonita China V	
J. Filter Pack (bottom) 14.2 ft 8 10 8 Filee Sand Material Manuf., Prod. Name, and Mesh Size K. Borehole Bottom 14.2 ft 10 10 8 Filter Pack Material Manuf., Prod. Name, and Mesh Size J. J. 10 1 9 Well Casing Material Manuf., Prod. Name, and Mesh Size Borehole Data J. 11 11 9 Well Casing Material Sch 40 pvc Borehole Data 0.3 sin K 10 Screen Material Other D. Well Casing 0.8 sin 10 Screen Material Screen type: Factory Cut X LD. Well Casing 0.75 in K 10 Screen Material 10 Screen Material Stot Length 5' Stot Length 5' 11 Backfill Material (below filter pack) None X Other	i. wen bouom	14.13		-	п		0			
J. Filter Pack (bottom) 14.2 ft 8 10 7 Fine Sand Material Manuf., Prod. Name, and Mesh Size None K. Borehole Bottom 14.2 ft 10 8 10 8 Filter Pack Material Manuf., Prod. Name, and Mesh Size None J 1 9 Well Casing Material Sch 40 pvc Flush Thread X Borehole Diameter 2.25 in K 10 Screen Material Other Ot				-					Dentointe l'enets	
K. Borehole Bottom 14.2 ft 10 None J I 8 Filter Pack Material Manuf., Prod. Name, and Mesh Size K&E Well Gravel 2040 I 9 Well Casing Material Sch 40 pvc Borehole Data 0.11 9 Well Casing Material Sch 40 pvc Flush Thread X O.D. Well Casing 0.8 in K 10 Screen Material Other I.D. Well Casing 0.75 in K 10 Screen Material Soft 40 pvc I.D. Well Casing 0.75 in K 10 Screen type: Factory Cut X Stot Size 0.1 Stot Length 5' Stot Length 5' 11 Backfill Material (below filter pack) None X	J. Filter Pack (bottom)	14.2	ft		8					
K. Borehole Bottom 14.2 ft J I Sorehole Bottom 14.2 ft J Filter Pack Material Manuf., Prod. Name, and Mesh Size K&E Well Gravel 20/40 Vell Casing Material Sch 40 pvc Flush Thread X Other Other Other Screen Material Composition Compo							7	Fine Sand Material Manuf., Prod.	Name, and Mesh Size	
Borehole Data II II 8 Filter Pack Material Manuf., Prod. Name, and Mesh Size III III 9 Well Casing Material Sch 40 pvc Borehole Data III III Flush Thread X Borehole Data III III III Flush Thread X O.D. Well Casing 0.8 in K III Screen Material D.D. Well Casing 0.75 in K III Screen Material I.D. Well Casing 0.75 in III Backfill Material (below filter pack) None X III III III IIII IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				-	10			None	<u> </u>	
Image: Section of the section of th	K. Borehole Bottom	14.2	ft	_			0			
J I 9 Well Casing Material Sch 40 pvc Borehole Data 11 Flush Thread X Borehole Diameter 2.25 in K 0ther O.D. Well Casing 0.8 in Screen Material 0ther I.D. Well Casing 0.75 in Stot Size 0.1				-			8		Name, and Mesh Size	
J 11 Borehole Data 11 Borehole Diameter 2.25 in K 10 Screen Material Screen type: Factory Cut X Screen type: Factory Cut X Screen type: Solution ID. Well Casing 0.75 in				L	I			Kall wen Glaver 20/40	<u> </u>	
Borehole Data Other Borehole Diameter 2.25 in K 10 Screen Material 0.D. Well Casing 0.8 in LD. Well Casing 0.75 in K 10 Screen Material Sch 40 pvc Other Slot Size 0.1 Slot Length 5' 11 Backfill Material (below filter pack)			J				9	Well Casing Material Sch 40 pvc		
Borehole Diameter 2.25 in K 0.D. Well Casing 0.8 in I.D. Well Casing 0.75 in C K 10 Screen Material Screen type: Factory Cut X Sch 40 pvc 0ther Slot Size 0.1 Slot Size 0.1 Slot Length 5' 11 Backfill Material (below filter pack) None X Other					11				Flush Thread X	
0.D. Well Casing 0.8 in LD. Well Casing 0.75 in LD. We	Borehole Data								Other	
O.D. Well Casing 0.8 in LD. Well Casing 0.75 in LD. We	Borehole Diameter	2.25	in	ł	K					
Sch 40 pvc Other I.D. Well Casing 0.75 in Slot Size 0.1 Slot Length 5' 11 Backfill Material (below filter pack) None X Other	O.D. Well Casing	0.0	in				10		n tyne: Eactory Cut V	
I.D. Well Casing 0.75 in Slot Size 0.1 Slot Length 5' 11 Backfill Material (below filter pack) None X Other	O.D. WEII Cashing	0.8								
Slot Length 5' 11 Backfill Material (below filter pack) None X Other	I.D. Well Casing	0.75	in					~~~ ··· > > > ···		
None X Other			-							
Other			·				11	Backfill Material (below filter pack)		
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