

# APPENDIX E



# ERM

WELL : MW-2DD

1159 Pittsford-Victor Road, Suite 200, Pittsford, NY 14534 (585) 387-0510

## MONITORING WELL CONSTRUCTION LOG

Project Name & Location <b>Former Raeco Products Site      21427</b>		Project No.		Water Level(s) (ft below top of 4" steel casing)		Site Elevation Datum (feet)	
Drilling Company Nothnagle Drilling Inc.		Foreman Steve L.		Date	Level (feet)	Elevation (feet)	Ground Elevation (feet) NA
Surveyor Larsen Engineers							Top of Flush Mount Well Vault Elevation (feet) 480.07
Date and Time of Completion 11-May-05		Geologist Jeremy Wolf - ERM					Top of 4" Steel Riser Pipe Elevation (feet) 479.85
<u>Generalized Description</u>		<u>*Elevation</u>	<u>**Depth</u>	<u>CONSTRUCTION DETAILS</u>			
See boring log for MW-2DD for full details.		480.07	0.0				
Top of 4" inner steel casing		479.85	0.22				
Top of Bentonite-Cement Grout		479.07	1.0				
Begin Rock Socket (Top of Weathered Rock)		467.07	13.0				
Top of Competent Rock		466.07	14.0				
End Rock Socket		464.07	16.0				
Top of Open Borehole		425.07	55.0				
Bottom of Open Borehole		400.07	80.0				
REMARKS    6 1/4" Hollow Stem Auger to 14' bgs. 7 7/8" roller bit 14' - 16' bgs.							
5 7/8 roller bit 16' - 46' bgs. NX core followed by 5 7/8" roller bit 46' to 55' bgs.							
NX core followed by 3 7/8" roller bit 55' - 80' bgs.							
* Vertical information referenced to NGVD'29.				** Depth in feet below ground surface (bgs).			



# ERM

WELL : MW-4D

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## MONITORING WELL CONSTRUCTION LOG

Project Name & Location <b>Former Raeco Products Site</b>		Project No. <b>21427</b>		Water Level(s) (ft below top of 4" steel casing)		Site Elevation Datum (feet)	
Drilling Company <b>Nothnagle Drilling Inc.</b>		Foreman <b>Steve L.</b>		Date	Level (feet)	Elevation (feet)	Ground Elevation (feet) <b>NA</b>
Surveyor <b>Larsen Engineers</b>							Top of 4" Steel Riser Elevation (feet) <b>485.46</b>
Date and Time of Completion <b>11-May-05</b>		Geologist <b>Jeremy Wolf - ERM</b>					Top of Cement Pad Elevation (feet) <b>482.94</b>

  

			<u>CONSTRUCTION DETAILS</u>	
<u>Generalized Description</u>	<u>*Elevation</u>	<u>**Depth</u>		
See boring log for MW-4D for full details.	485.46	-2.5		
Top of Cement Pad	482.94	0.0		
Top of Bentonite-Cement Grout	481.94	1.0		
Begin Rock Socket (Top of Weathered Rock)	462.94	20.0		
Top of Competent Rock	461.94	21.0		
End Rock Socket (Top of open borehole)	459.94	23.0		
Bottom of Open Borehole	437.94	45.0		

  

REMARKS	4 1/4" Hollow Stem Auger to 20' bgs. 5 7/8" roller bit 20' - 23' bgs.
	3 7/8 roller bit 23' - 45' bgs.

\* Vertical information referenced to NGVD'29.      \*\* Depth in feet below ground surface (bgs).

## WELL : MW-4DD

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Project Name & Location <b>Former Raeco Products Site 21427</b>		Project No.		Water Level(s) (ft below top of 4" steel casing)		Site Elevation Datum (feet)	
Drilling Company Nothnagle Drilling Inc.		Foreman Steve L.		Date	Level (feet)	Elevation (feet)	Ground Elevation (feet) NA
Surveyor Larsen Engineers							Top of 4" Steel Riser Elevation (feet) 485.20
Date and Time of Completion 16-May-05		Geologist Jeremy Wolf - ERM					Top of Cement Pad Elevation (feet) 482.76

			<u>CONSTRUCTION DETAILS</u>	
<u>Generalized Description</u>	<u>*Elevation</u>	<u>**Depth</u>		
See boring log for MW-4DD for full details.	485.20	-2.4		
Top of Cement Pad	482.76	0.0		
			GROUND SURFACE	
Top of Bentonite-Cement Grout	481.76	1.0	<div style="display: flex; align-items: center;"> <div style="width: 100px; height: 100px; border: 1px solid black; margin-right: 10px;"></div> <div> <p>←-- CEMENT PAD</p> </div> </div>	
Begin Rock Socket (Top of Weathered Rock)	467.76	15.0	<div style="display: flex; align-items: center;"> <div style="width: 100px; height: 100px; border: 1px solid black; margin-right: 10px;"></div> <div> <p>←-- BENTONITE-CEMENT GROUT</p> </div> </div>	
Top of Competent Rock	466.76	16.0		
End Rock Socket	464.76	18.0	<div style="display: flex; align-items: center;"> <div style="width: 100px; height: 100px; border: 1px solid black; margin-right: 10px;"></div> <div> <p>←-- BEDROCK</p> </div> </div>	
Top of Open Borehole	414.76	68.0	<div style="display: flex; align-items: center;"> <div style="width: 100px; height: 100px; border: 1px solid black; margin-right: 10px;"></div> <div> <p>←-- BEDROCK</p> </div> </div>	
Bottom of Open Borehole	392.76	90.0		

REMARKS 6 1/4" Hollow Stem Auger to 15' bgs. 7 7/8" roller bit 15' - 18' bgs.

NX core followed by 5 7/8 roller bit 18' - 68' bgs.

NX core followed by 3 7/8" roller bit 68' - 90' bgs.

\* Vertical information referenced to NGVD'29.

\*\* Depth in feet below ground surface (bgs).

# ERM

WELL : MW-5D

1159 Pittsford-Victor Road, Suite 200, Pittsford, NY 14534 (585) 387-0510

## MONITORING WELL CONSTRUCTION LOG

Project Name & Location <b>Former Raeco Products Site</b>		Project No. <b>21427</b>		Water Level(s) (ft below top of 4" steel casing)		Site Elevation Datum (feet)	
Drilling Company <b>Parratt Wolff Inc.</b>		Foreman <b>Layne Pech</b>		Date	Level (feet)	Elevation (feet)	Ground Elevation (feet) <b>NA</b>
Surveyor <b>Larsen Engineers</b>							Top of Flush Mount Well Vault Elevation (feet) <b>483.50</b>
Date and Time of Completion <b>02-Aug-06</b>		Geologist <b>Jeremy Wolf - ERM</b>					Top of 2" PVC Riser Pipe Elevation (feet) <b>482.85</b>

  

Generalized Description	*Elevation	**Depth	CONSTRUCTION DETAILS	
See boring log for MW-5D for full details.	483.50	0.0		
Top of 2" PVC Riser	482.85	0.65		
Top of Bentonite-Cement Grout	481.50	2.0		
Top of Bentonite Seal	458.50	25.0		
Top of Choke Sand (Type #00)	456.50	27.0		
Top of Sand Pack (Type #1)	455.50	28.0		
Top of PVC Screen	453.50	30.0		
Bottom of PVC Screen	443.50	40.0		

  

REMARKS
6 1/4" Hollow Stem Auger to 49' bgs, bedrock not encountered.

  

\* Vertical information referenced to NGVD'29.
\*\* Depth in feet below ground surface (bgs).

