

EPA ID NO.

Facility Name		Facility ID Number		Date		Completed By (Name and Firm)																		
Freeman Chemical Corp.		WID980615439		11/19/87		John Hanscom, Hatcher Incorporated																		
Well Name	Well ID Number (DNR No.)	Well Location	N	S	E	W	Date Established	Well Casing		Elevations		Reference		Screen		Type of Well (✓)								
								Diam.	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZOM	PW	LYS	Other			
1A	250	1082	✓				8/7/85	2"	PVC	767.81'	766.54'	757.54'	✓		5'	PVC	15'					MW		
		960																						
PW3A	211	782	✓				11/11/85	6"	MS	768.30'	767.30'	-	✓		-	open	233'						MW	
		1500																						
PW3B	251	782	✓				11/11/85	2"	PVC	769.40'	767.38'	717.3'	✓		20'	PVC	70'							MW
		1500																						
4A	252	200	✓				8/2/85	2"	PVC	766.69'	765.08'	758.08'	✓		10'	PVC	17'							MW
		1265																						
6A	253	472	✓				8/27/85	2"	PVC	770.55'	771.10'	766.1'	✓		10'	PVC	15'							MW
		640																						
7	212	490	✓				9/13/83	2"	PVC	758.31'	756.52'	739.52'	✓		5'	PVC	22'							MW
		1532																						
8	254	490	✓				9/13/83	2"	PVC	758.30'	756.62'	751.62'	✓		5'	PVC	10'							MW
		1532																						
PW8	205	628	✓				NA	6"	MS	774.86'	773.16'	-	✓		-	open	455'							DIS
		545																						
14B	255	205	✓				11/20/86	2"	PVC	772.25'	770.13'	765.13'	✓		10'	PVC	15'							MW
		565																						
16A	256	840	✓				11/19/86	2"	PVC	767.87'	766.56'	743.56'	✓		10'	PVC	14.5'							MW
		1223																						
18A	257	1003	✓				8/2/85	2"	PVC	772.40'	772.30'	766.3'	✓		10'	PVC	16'							MW
		570																						
19A	258	492	✓				8/14/85	2"	PVC	774.68'	772.74'	765.74'	✓		15'	PVC	23'							MW
		500																						

Location Coordinates Are:
 Grid System State Plane Coordinate
 Northern
 Central

Received In:
 District: _____ Area: _____ Bureau: _____
 By: _____

SMS Use:
 File Maint. Completed: _____ Date _____
 Other: _____

DIS = Discharge and Cooling Water Well MS = Mild Steel
 DW = Dewatering Well MW = Monitoring Well

EPA ID NO.

Facility Name: **Freeman Chemical Corp.** Facility ID Number: **WID980615439** Date: **11/19/87** Completed By (Name and Firm): **John Hanscom, Hatcher Incorporated**

Well Name	Well ID Number (DNR No.)	Well Location	Well Location				Date Established	Well Casing		Elevations			Reference		Screen		Type of Well (✓)				
			N	S	E	W		Diam.	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZOM	PW	LYS	Other
20	259	660	✓				8/12/85	4" & 2" PVC	767.07	764.38	714.38	✓		30'	PVC	123'					MW
		1360			✓																
21A	213	643	✓				6/20/86	4" PVC	765.14	768.63*		✓		-	open	80'					DIS
		968			✓																
22	214	1003	✓				8/7/85	4" PVC	744.03	772.53		✓		-	open	66'					MW
		570			✓																
23	215	213	✓				7/25/85	4" PVC	767.05	767.44		✓		-	open	65'					MW
		1149			✓																
24A	216	188	✓				6/21/86	4" PVC	765.79	771.81*		✓		-	open	85'					DIS
		560			✓																
25	217	1462	✓				8/9/85	4" PVC	TO BE SURVEYED			✓		-	open	84'					MW
		1672			✓																
27	260	720	✓				8/13/85	2" PVC	775.01	773.17	NA	✓		15'	PVC	23'					MW
		598			✓																
28	218	774	✓				6/20/86	4" PVC	766.51	771.84*		✓		-	open	90.5'					DIS
		795			✓																
29	219	503	✓				6/20/86	4" PVC	759.94	764.96		✓		-	open	81.5'					DIS
		1200			✓																
30	206	882	✓				7/17/86	13" MS	771.64	NA		✓		-	open	556'					DC
		779			✓																
31		302	✓				7/24/86	10" MS	765.87	771.57*	761.57	✓		10'	SS	20'					DW
		651			✓																
32		360	✓				7/24/86	10" MS	765.68	771.32	761.32	✓		10'	SS	20'					DW
		651			✓																

Location Coordinates Are:
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* = Elev. at Top of Manhole Rim DIS = Discharge Well MS = Mild Steel
 DC = Discharge and Cooling Water Well DW = Dewatering Well MW = Monitoring Well



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Facility Name		Facility ID Number	Date	Completed By (Name and Firm)																					
Freeman Chemical Corp.		WID980615439	11/19/87	John Hanscom, Hatcher Incorporated																					
Well Name	Well ID Number (DNR No.)	Well Location	N	S	E	W	Date Established	Well Casing		Elevations			Reference		Screen		Type of Well (✓)								
								Diam.	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZOM	PW	LYS	Other				
44	264	445 1035	✓				11/15/86	2"	SS	768.65'	768.88'	763.88'	✓		10'	SS	15'							MW	
45	265	460 1203	✓				11/17/86	2"	PVC	766.10'	765.27'	761.27'	✓		10'	PVC	13'								MW
46	266	643 968	✓				11/14/86	2"	SS	765.60'	768.58*	758.6'	✓		10'	SS	15'								MW
47	267	880 948	✓				11/14/86	2"	SS	770.62'	769.44'	764.44'	✓		10'	SS	15'								MW
48	268	430 820	✓				11/18/86	2"	PVC	772.84'	771.64'	762.64'	✓		10'	PVC	19'								MW
MW3	203																								
MW4	204																								

<p>Location Coordinates Are:</p> <p><input type="checkbox"/> Grid System State Plane Coordinate</p> <p> <input type="checkbox"/> Northern</p> <p> <input type="checkbox"/> Central</p>	<p>Received In:</p> <p>District: _____ Area: _____ Bureau: _____</p> <p>By: _____</p>	<p>SMS User:</p> <p>File Maint. Completed: _____ Date _____</p> <p>Other: _____</p>
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* = Elev. at Top of Manhole Rim SS = Stainless Steel
MW = Monitoring Well

EPA ID NO.

Facility Name: **Freeman Chemical Corp.** Facility ID Number: **WID980615439** Date: **11/19/87** Completed By (Name and Firm): **John Hanscom, Hatcher Incorporated**

Well Name	Well ID Number (DNR No.)	Well Location	N	S	E	W	Date Established	Well Casing		Elevations			Reference		Screen		Type of Well (✓)					
								Diam.	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZOW	PW	LYS	Other	
33		400	✓				7/25/86	10"	MS	765.67'	771.57*	761.57'	✓		10'	SS	20'					DW
		663			✓																	
34		455	✓				7/25/86	10"	MS	765.78'	771.44*	764.44'	✓		10'	SS	17'					DW
		658			✓																	
35		528	✓				7/25/86	10"	MS	765.58'	770.99*	760.99'	✓		10'	SS	20'					DW
		668			✓																	
37		872	✓				6/24/86	16"	MS	766.32*	-	762.32'	✓		15'	GS	18.5'					DW
		1073			✓																	
MW1	201	1724	✓				10/30/40	10"		NOT AVAILABLE						open	492'					FWS
MW2	202	1380	✓				7/60	12"		"	"					open	480'					FWS
		482			✓																	
38	220	498	✓				11/13/86	6"	MS	767.85'	770.98*	-	✓		-	open	49'					DIS
		885			✓																	
39	221	445	✓				11/5/86	6"	MS	781.52'	-	-	✓		-	open	70'					MW
		230			✓																	
40	222	840	✓				11/19/86	6"	MS	767.59'	766.69*	-	✓		-	open	48'					MW
		1223			✓																	
41	261	275	✓				11/17/86	2"	PVC	772.38'	771.65*	768.15'	✓		15'	PVC	18'					MW
		630			✓																	
42	262	670	✓				11/14/86	2"	SS	773.33'	771.72*	767.72'	✓		10'	SS	20'					MW
		795			✓																	
43	263	498	✓				11/13/86	2"	SS	768.25'	770.98*	762.25'	✓		10'	SS	15'					MW
		885			✓																	

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Freeman Chemical Corp.			WID980615439			11/19/87			John Hanscom, Hatcher Incorporated															
Well Name	Well ID Number (DNR No.)	Well Location	N	S	E	W	Date Established	Well Casing		Elevations			Reference		Screen		Type of Well (✓)							
								Diam.	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZ	DW	PW	LYS	Other		
1A		1082	✓				8/7/85	2"	PVC	767.81'	766.54'	757.54'	✓		5'	PVC	15'					MW		
		960			✓																			
PW3A		782	✓				11/11/85	6"	MS	768.30'	767.30'	-	✓		-	open	233'						MW	
		1500			✓																			
PW3B		782	✓				11/11/85	2"	PVC	769.40'	767.38'	717.3'	✓		20'	PVC	70'							MW
		1500			✓																			
4A		200	✓				8/2/85	2"	PVC	766.69'	765.08'	758.08'	✓		10'	PVC	17'							MW
		1265			✓																			
6A		472	✓				8/27/85	2"	PVC	770.55'	771.10'	766.1'	✓		10'	PVC	15'							MW
		640			✓																			
7		490	✓				9/13/83	2"	PVC	758.31'	756.52'	739.52'	✓		5'	PVC	22'							MW
		1532			✓																			
8		490	✓				9/13/83	2"	PVC	758.30'	756.62'	751.62'	✓		5'	PVC	10'							MW
		1532			✓																			
PW8		628	✓				NA	6"	MS	774.86'	773.16'	-	✓		-	open	455'							DIS
		545			✓																			
14B		205	✓				11/20/86	2"	PVC	772.25'	770.13'	765.13'	✓		10'	PVC	15'							MW
		565			✓																			
16A		840	✓				11/19/86	2"	PVC	767.87'	766.56'	743.56'	✓		10'	PVC	14.5'							MW
		1223			✓																			
18A		1003	✓				8/2/85	2"	PVC	772.40'	772.30'	766.3'	✓		10'	PVC	16'							MW
		570			✓																			
19A		492	✓				8/14/85	2"	PVC	774.68'	772.74'	765.74'	✓		15'	PVC	23'							MW
		500			✓																			

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								Diam.	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZOM	PW	LYS	Other				
20		660					8/12/85	4" & 2"	PVC	767.07'	764.38'	714.38'	✓		30'	PVC	123'							MW	
		1360																							
21A		643					6/20/86	4"	PVC	765.14'	768.63'	*	✓		-	open	80'								DIS
		968																							
22		1003					8/7/85	4"	PVC	744.03'	772.53'		✓		-	open	66'								MW
		570																							
23		213					7/25/85	4"	PVC	767.05'	767.44'		✓		-	open	65'								MW
		1149																							
24A		188					6/21/86	4"	PVC	765.79'	771.81'	*	✓		-	open	85'								DIS
		560																							
25		1462					8/9/85	4"	PVC	TO BE SURVEYED			✓		-	open	84'								MW
		1672																							
27		720					8/13/85	2"	PVC	775.01'	773.17'		✓		15'	PVC	23'								MW
		598																							
28		774					6/20/86	4"	PVC	766.51'	771.84'	*	✓		-	open	90.5'								DIS
		795																							
29		503					6/20/86	4"	PVC	759.94'	764.96'		✓		-	open	81.5'								DIS
		1200																							
30		882					7/17/86	13"	MS	771.64'	NA		✓		-	open	556'								DC
		779																							
31		302					7/24/86	10"	MS	765.87'	771.57'	*	✓		10'	SS	20'								DW
		651																							
32		360					7/24/86	10"	MS	765.68'	771.32'	*	✓		10'	SS	20'								DW
		651																							

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Well Name	Well ID Number (DNR No.)	Well Location	N	S	E	W	Date Established	Well Casing		Elevations		Reference		Screen		Type of Well (✓)								
								Diam.	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZOM	PW	LVS	Other			
33	400		✓				7/25/86	10"	MS	765.67	771.57*	761.57	✓		10'	SS	20'					DW		
	663					✓																		
34	455		✓				7/25/86	10"	MS	765.78	771.44*	764.44	✓		10'	SS	17'						DW	
	658					✓																		
35	528		✓				7/25/86	10"	MS	765.58	770.99*	760.99	✓		10'	SS	20'							DW
	668					✓																		
37	872		✓				6/24/86	16"	MS	766.32	-	762.32	✓		15'	GS	18.5'							DW
	1073					✓																		
MW1	1724		✓				10/30/40	10"		NOT AVAILABLE						open	492'							FWS
	1896					✓																		
MW2	1380		✓				7/60	12"		"	"					open	480'							FWS
	482					✓																		
38	498		✓				11/13/86	6"	MS	767.85	770.98*	-	✓		-	open	49'							DIS
	885					✓																		
39	445		✓				11/5/86	6"	MS	781.52	-	-	✓		-	open	70'							MW
	230					✓																		
40	840		✓				11/19/86	6"	MS	767.59	766.69	-	✓		-	open	48'							MW
	1223					✓																		
41	275		✓				11/17/86	2"	PVC	772.38	771.65	768.15	✓		15'	PVC	18'							MW
	630					✓																		
42	670		✓				11/14/86	2"	SS	773.33	771.72	767.72	✓		10'	SS	20'							MW
	795					✓																		
43	498		✓				11/13/86	2"	SS	768.25	770.98*	762.25	✓		10'	SS	15'							MW
	885					✓																		

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								Diam.	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZOW	PW	LYS	Other		
44	445		✓				11/15/86	2"	SS	768.65'	768.88'	763.88'	✓		10'	SS	15'					MW	
	1035				✓																		
45	460		✓				11/17/86	2"	PVC	766.10'	765.27'	761.27'	✓		10'	PVC	13'						MW
	1203				✓																		
46	643		✓				11/14/86	2"	SS	765.60'	768.58'	758.6'	✓		10'	SS	15'						MW
	968				✓																		
47	880		✓				11/14/86	2"	SS	770.62'	769.44'	764.44'	✓		10'	SS	15'						MW
	948				✓																		
48	430		✓				11/18/86	2"	PVC	772.84'	771.64'	762.64'	✓		10'	PVC	19'						MW
	820				✓																		

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<input type="checkbox"/> Grid System State Plane Coordinate <input type="checkbox"/> Northern <input type="checkbox"/> Central	District: _____ Area: _____ Bureau: _____ By: _____	File Maint. Completed: _____ Date _____ Other: _____

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Total VOCs

AUG 84
AUG 85
↓ ↓

Freeman Groundwater Data

Well	type	4/82	sep 87	jun 87	mar 87	dec 86	aug86	may86	feb86	dec85	?85	may85	feb85	may84	feb84	jan84
mw1	d	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mw2	d	0	0	0	0	32	2	1	0	2.4		3	1	0.5	0.2	0
mw3	d	0	0	0	0	0	0	0	16	0		2	0	0	0	2
mw4	d				0	0	0	0	0	0		0	3.2	0	0	1
pw1	g													0	8	1
pw3	s							88	188	93		42	300	3	226	807
pw6	g							6	0	3.2		12	0	1	42	
pw8	d	25	22	12	63	660	641	720	645	2160		6729	1050	460		
pz1												1.4	1.3	3	166	391
pz11												1.8	0	0	84	13
pz12												2.9	0	0	173	0
pz13												1	0	0	176	13
pz14	g							20000	18700			106	300	25092	7000	3500
pz14a	g		5.2					7900		32200						
pz14b	g	0		342	4950	8800										
pz16	s							0	88	0	0	1.4	0	0	10	1
pz17												0	2.7			
pz18												0	0			
pz18a	g	0	0	0	649	14	0	11	27	5						
pz19												4.6	2.3			
pz19a	g	63.7	483	212	2000	1850	740	390	4500							
pz1a	g		3		0	0	0	0	10.5							
pz2														4600	2400	86000
pz20	g				99	170	79	3	20	1.2						
pz26	g							0	0	0	0					
pz27	g	354	363	278	485	407	217	250	451							
pz3												2800	18400	17200	32500	147000

pz14
USA - Z.A

pz4												1.7	2.1	0	24	1
pz4a	g		0		4	0	2	0	1.8							
pz5												428000	106000	84000	700000	125000
pz6												5350		15000	11000	
pz6a	g	123000	215000	265900	158900	171000	182000	173000	142000	155000						
pz7	s					0	0	38	0	2.5				1	16	2
pz7a	g	0	0	0	60											
pz8	g					17	1	0	0	0		1.8	0	3	179	2
pz8a					9											
pz9													18	1	26	

(1) - d - deep dolomite, g - glacial
s - shallow dolomite

river		0						
w16a			0	0				
w21	s					8100	7900	4670
w21a	s	6000	37000	42500	33500			
w22	s		0	0	17	13	0	0
w23	s		18	11	43	43	8	10
w24	s					1450	1650	220
w24a	s	82	60	27	199			
w25	s		0			6	0	6
w28	s	25		67	172			46
w30		120	2	439	605			
w38		2700						

w40 264
 RC 1 15000
 RC 2 1700
 RC 3 1500
 W29 29000

w41 clean?
 w42 4500
 w46 0
 w47 105000

EPA ID NO.

Facility Name Freeman Chemical Corp.	Facility ID Number WD900615439	Date 11/19/87	Completed By (Name and Firm) John Hanscom, Hatcher Incorporated
--	-----------------------------------	-------------------------	---

Well Name	Well ID Number DNR No.	Well Location	N	S	E	W	Date Established	Well Casing		Elevations			Reference		Screen		Type of Well (✓)					
								Diam	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZOM	PW	LVS	Other	
33		400	✓				7/25/86	10"	MS	765.67	771.57*	761.57	✓		10'	SS	20'					DW
		663			✓																	
34		455	✓				7/25/86	10"	MS	765.78	771.44*	764.44	✓		10'	SS	17'					DW
		658			✓																	
35		528	✓				7/25/86	10"	MS	765.58	770.99*	760.99	✓		10'	SS	20'					DW
		668			✓																	
37		872	✓				6/24/86	16"	MS	766.32*	-	762.32	✓		15'	GS	18.5'					DW
		1073			✓																	
MW1		1724	✓				10/30/40	10"		NOT AVAILABLE					open	492'						FWS
		1896			✓																	
MW2		1380	✓				7/60	12"		"	"				open	480'						FWS
		482			✓																	
38		498	✓				11/13/86	6"	MS	767.85	770.98*	-	✓		-	open	49'					DIS
		885			✓																	
39		445	✓				11/5/86	6"	MS	781.52	-	-	✓		-	open	70'					MW
		230			✓																	
40		840	✓				11/19/86	6"	MS	767.59	766.69	-	✓		-	open	48'					MW
		1223			✓																	
41		275	✓				11/17/86	2"	PVC	772.38	771.65	768.15	✓		15'	PVC	18'					MW
		630			✓																	
42		670	✓				11/14/86	2"	SS	773.33	771.72	767.72	✓		10'	SS	20'					MW
		795			✓																	
43		498	✓				11/13/86	2"	SS	768.25	770.98*	762.25	✓		10'	SS	15'					MW
		885			✓																	

Location Coordinates Are: <input type="checkbox"/> Grid System <input type="checkbox"/> State Plane Coordinate <input type="checkbox"/> Northern <input type="checkbox"/> Central	Received In: District: _____ Area: _____ Bureau: _____ By: _____	SMS Use: File Maint. Completed: _____ Date _____ Other: _____
--	--	---

* = Elev. at Top of Manhole Rim
Dis = Discharge Well

DW = Dewatering Well
FWS = Former Water Supply

MW = Monitoring Well
SS = Stainless Steel

EPA ID NO.

Facility Name: Freeman Chemical Corp. Facility ID Number: WID980615439 Date: 11/19/87 Completed By (Name and Firm): John Hanscom, Hatcher Incorporated

Well Name	Well ID Number (DNR No.)	Well Location	N	S	E	W	Date Established	Well Casing		Elevations			Reference		Screen		Type of Well (✓)						
								Diam.	Type	Top of Well Casing	Ground Surface	Screen Top	MSL (✓)	Site Datum (✓)	Length	Material	Well Depth	PIEZOM	PW	LYS	Other		
44	445			✓																			
	1035				✓		11/15/86	2"	SS	768.65'	768.88'	763.88'	✓		10'	SS	15'						MW
45	460			✓																			
	1203				✓		11/17/86	2"	PVC	766.10'	765.27'	761.27'	✓		10'	PVC	13'						MW
46	643			✓																			
	968				✓		11/14/86	2"	SS	765.60'	768.58'	758.6'	✓		10'	SS	15'						MW
47	880			✓																			
	948				✓		11/14/86	2"	SS	770.62'	769.44'	764.44'	✓		10'	SS	15'						MW
48	430			✓																			
	820				✓		11/18/86	2"	PVC	772.84'	771.64'	762.64'	✓		10'	PVC	19'						MW

Location Coordinates Are:
 Grid System State Plane Coordinate
 Northern
 Central

Received In:
 District: _____ Area: _____ Bureau: _____
 By: _____

SMS Use:
 File Maint. Completed: _____ Date: _____
 Other: _____

* = Elev. at Top of Manhole Rim SS = Stainless Steel
 MW = Monitoring Well



OLVER INCORPORATED

1531 North Main Street Blacksburg, Virginia 24060

TECHNICAL SERVICES DIVISION BORING LOG

Project: Freeman Chemical Corp., Saukville, Wisconsin		
Boring No: 23/PZ-4	Elevation-Top of Boring:	Date of Boring: 9/15/83
Location: See location map		Total Depth: 22.0'
Drilling Contractor: Wisconsin Testing Laboratories	Type of Boring: 4 1/4" I.D. Hollow Stem Auger	
Ground Water Data: Water level is 12.0 ft. below ground surface 0.25 hrs. after completion.		

Elevation	Depth	Description	Sample Blows *	% Core Recovery **	Remarks
		Gravel Fill			
		Dark brown SAND, with gravels			No odor
	5	Brown, silty SAND; dry; boulder from 4'-5'			No odor
	10	Light, yellowish-brown, silty CLAY, with gravels			No odor
	15	Gray, silty CLAY, with gravels; wet			No odor
	20				
		Dolomite			Niagara Fm.
	25	Terminated			

* No. of Blows 140-lb. Hammer, 30-in. Fall, Required to Drive 2-in. O.D., 1.375-in. I.D. Sampler 6-in.
 ** Core Recovery as Percent of Length of Drill Run.
 See NOTES TO BORING LOG which are a part of this log.

Scale: 1" = 5'



OLVER INCORPORATED

1531 North Main Street Blacksburg Virginia 24060

TECHNICAL SERVICES DIVISION BORING LOG

Project: Freeman Chemical Corp., Saukville, Wisconsin					
Boring No: 27/PZ-8		Elevation-Top of Boring:		Date of Boring: 9/15/83	
Location: See location map				Total Depth: 10.0'	
Drilling Contractor: Wisconsin Testing Laboratories			Type of Boring: 4 1/4" I.D. Hollow Stem Auger		
Ground Water Data: Water level is ft. below ground surface hrs. after completion. Dry 12 hours after completion.					
Elevation	Depth	Description	Sample Blows ★	% Core Recovery ★★	Remarks
		Gravel Fill			
		Yellowish-brown, sandy CLAY; wet			No odor
	5	Yellowish-brown, silty CLAY; damp			No odor
	10	Gray, silty CLAY; damp			No odor
	15	Terminated			

★ Na. of Blows 140-lb Hammer, 30-in. Fall, Required to Drive 2-in. O.D., 1.375-in. I.D. Sampler 6-in.
★★ Core Recovery as Percent of Length of Drill Run.
See NOTES TO BORING LOG which are a part of this log.

Scale: 1" = 5'

HATCHER INCORPORATED

Borehole Log

Sheet 1 of 1

Client Freeman Chemical Corporation Project/Location Saukville, Wisconsin

Hole No. SD (44) Elevation _____ A.M.S.L.

By Darren Brown Date _____

Boring Contractor _____ Hole Size _____

Depth ft.	Thick. ft.	Elev. ft.*	Lithologic Description	Remarks
5			Clay and sand	
10			Clayey sandy gravel	
15			Sandy gravel	

Water Level _____ Date _____ Time _____

*Above Mean Sea Level

HATCHER INCORPORATED

Borehole Log

Sheet 1 of 1

Client Freeman Chemical Corporation Project/Location Saukville, Wisconsin

Hole No. SF (46) Elevation _____ A.M.S.L.

BY Darren L. Brown Date _____

Boring Contractor _____ Hole Size _____

Depth ft.	Thick. ft.	Elev. ft.*	Lithologic Description	Remarks
5			Sandy pebbly clay	
10			As above	
15			As above	
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				

Water Level _____ Date _____ Time _____

*Above Mean Sea Level

HATCHER INCORPORATED

Borehole Log

Sheet 1 of 1

Client Freeman Chemical Corporation Project/Location Saukville, Wisconsin

Hole No. 48 (SI) Elevation _____ A.M.S.L.

By Darren L. Brown Date _____

Boring Contractor _____ Hole Size _____

Depth ft.	Thick. ft.	Elev. ft.*	Lithologic Description	Remarks
0				
			Coarse sand and clay	
5			As above	
10			Tan dolomite chips, and coarse sandy clay	
15			As above	
20				

Water Level _____ Date _____ Time _____

*Above Mean Sea Level

- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name <u>COOL COMPOSITES AND POLYMERS CO.</u>		License/Permit/Monitoring Number	Boring Number <u>W-49</u>
Boring Drilled By (Firm name and name of crew chief) <u>VINCE MEINDEL</u> <u>LAYNE - NORTHWEST</u>		Date Drilling Started <u>09/16/05</u> MM DD YY	Date Drilling Completed <u>09/16/05</u> MM DD YY
DNR Facility Well No. <u>209</u>		Common Well Name <u>W-49</u>	Drilling Method <u>SONIC</u>
DNR Unique Well No. <u>08961</u>		Final Static Water Level ____ Feet MSL	Surface Elevation <u>762.8</u> Feet MSL
Boring Location State Plane <u>2543381.2</u> N, <u>512,275.26</u> E S/C/N		Local Grid Location (If applicable)	Borehole Diameter <u>6</u> inches
<u>SE 1/4 of NE 1/4 of Section 35, T 11 N, R 21 E</u>		Lat <u>0</u>	<input type="checkbox"/> N <input type="checkbox"/> E
County <u>DANE</u>		Long <u>0</u>	<input type="checkbox"/> S <input type="checkbox"/> W
DNR County Code <u>46</u>		Civil Town/City/ or Village <u>VILLAGE OF SAUKVILLE</u>	

Sample Number and Type	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PT/FID	Soil Properties					ROD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	BLIND DRILLED FOR WELL INSTALLATION - SEE LOG FOR W-50 FOR SOIL PROFILE.											
			2												
			3												
			4												
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [Signature] Firm: ELM CONSULTING, LLC

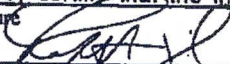
This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$100 or more than \$1000 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name COOL COMPOSITES AND POLYMERS CO.		License/Permit/Monitoring Number		Boring Number W-50	
Boring Drilled By (Firm name and name of crew chief) VINCE MEINDEL		Date Drilling Started 09/16/05 MM DD YY		Date Drilling Completed 09/19/05 MM DD YY	
DNR Facility Well No. 270		Unique Well No. 08942		Common Well Name W-50	
DNR Facility Well No. 270		Unique Well No. 08942		Common Well Name W-50	
Final Static Water Level _____ Feet MSL		Surface Elevation 722.9 Feet MSL		Borehole Diameter 6 inches	
Boring Location State Plane 25+3381.8 N, 512230.14 E S/C/N		Lat 0		Local Grid Location (If applicable)	
SE 1/4 of NE 1/4 of Section 35, T. 11 N., R. 21 E.		Long 0		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County ORAUKEE		DNR County Code 46		Civil Town/City/ or Village VILLAGE OF SAHILL	

Sample Number and Type	Length Att. & Recovered (m)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 SONIC	96/196		1	GRASS / TOPSOIL										
			2	FILL: DARK BROWN, CLAYEY SAND WITH GRAVEL, DRY TO MOIST										
			3											
			4											
			5											
			6											
2 SONIC	96/196		7	BROWN-GRAY MOTTLED SILTY CLAY, SOME SAND, VERY STIFF TO HAND, MOIST	CL									
			8											
			9											
			10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature:  Firm: **GLM CONSULTING, LLC**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Boring Number W-50

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	V/cell Program	PTD/FID	Soil Properties					ROD/ Comments					
Number and Type	Length, At. & Recovered (ft)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200						
			13																
			14	GRAY CLAYEY SAND WITH GRAVEL, SOME SILT, VERY DENSE	SC														
			15	DARK GRAY DOLOMITE FRAGMENTS															
3	48/48		16	COARSE GRAY SAND & GRAVEL, LITTLE SILT	GP														
Sonic			17																
			18	GRAY CLAYEY SAND & GRAVEL, VERY HAND	GC														6" casing grouted to -18.5'
			19																
4	12/12		20	TAN VEGGY DOLOMITE, SOME BLACK INCLUSIONS, BROWN FRANIE PLANES (NIAGARA)															RQD = 100%
Sonic			21																
5	120/30		22																
NX			23																
			24																
			25																
			26																
			27																
			28																
			29																
			30																
			31	END OF BORING @ -31'															
			32																

$$RQD = \frac{9''}{120''} = 7.5\%$$

Facility/Project Name <u>COOK COMPOSITES AND POLYMERS CO.</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>W-49</u>
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or _____	Wis. Unique Well Number <u>02961</u> DNR Well Number <u>269</u>
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	St. Plane <u>25+3381.2</u> ft. N. <u>512275.22</u> ft. E.	Date Well Installed <u>09/16/05</u> m m d d y y
Distance Well Is From Waste/Source Boundary ft. _____	Section Location of Waste/Source <u>SE 1/4 of NE 1/4 of Sec. 35, T. 11 N, R. 21 E, W.</u>	Well Installed By: (Person's Name and Firm) <u>VINCE MEINDEL</u> <u>LAYNE-NORTHWEST</u>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>765.33</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>5.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>762.8</u> ft. MSL	d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>Smiley post</u>
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. <u>0.15</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Sonic</u> Other <input checked="" type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. <u>#80 SILICA</u> b. Volume added <u>0.02</u> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8. Filter pack material: Manufacturer, product name and mesh size a. <u>#30-60 RED FLINT BLAST ABRASIVE</u> b. Volume added <u>0.25</u> ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 Other <input type="checkbox"/>
17. Source of water (attach analysis): _____	10. Screen material: <u>SCH 80 PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>0.0</u> ft.	b. Manufacturer <u>MONIFLEX</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.
F. Fine sand, top _____ ft. MSL or <u>6.0</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
G. Filter pack, top _____ ft. MSL or <u>7.0</u> ft.	
H. Screen joint, top _____ ft. MSL or <u>8.0</u> ft.	
I. Well bottom _____ ft. MSL or <u>18.0</u> ft.	
J. Filter pack, bottom _____ ft. MSL or <u>18.0</u> ft.	
K. Borehole, bottom _____ ft. MSL or <u>18.5</u> ft.	
L. Borehole, diameter <u>6.0</u> in.	
M. O.D. well casing <u>2.38</u> in.	
N. I.D. well casing <u>1.91</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm ELM CONSULTING, LLC

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Facility/Project Name <u>COOK COMPOSITES AND POLYMERS Co.</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>W-50</u>
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or _____	Wis. Unique Well Number <u>0X962</u> DNR Well Number <u>270</u>
Type of Well Water Table Observation Well <input type="checkbox"/> 11 Piezometer <input checked="" type="checkbox"/> 12	St. Plane <u>2543381.8</u> ft. N, <u>512280.14</u> ft. E.	Date Well Installed <u>09/19/05</u> m m d d y y
Distance Well Is From Waste/Source Boundary ft. _____	Section Location of Waste/Source <u>SE 1/4 of NE 1/4 of Sec. 35, T. 11 N, R. 21 E, W.</u>	Well Installed By: (Person's Name and Firm) <u>VINCE MEINDEL</u> <u>LAYNE - NORTHWEST</u>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>765.74</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>6.0</u> in. b. Length: <u>24.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>762.9</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or <u>0.0</u> ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/>	
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Drilling method used: Rotary <input checked="" type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input type="checkbox"/>	
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	
17. Source of water (attach analysis): _____	
E. Bentonite seal, top _____ ft. MSL or <u>0.0</u> ft.	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>22.0</u> ft.	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. <u>0.47</u> ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
G. Filter pack, top _____ ft. MSL or <u>24.0</u> ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <u>26.0</u> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <u>#80 SILLCA</u> b. Volume added <u>0.04</u> ft ³
I. Well bottom _____ ft. MSL or <u>31.0</u> ft.	8. Filter pack material: Manufacturer, product name and mesh size a. <u>#30-60 RED FLINT BLAST ABRASIVE</u> b. Volume added <u>0.11</u> ft ³
J. Filter pack, bottom _____ ft. MSL or <u>31.0</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or <u>31.0</u> ft.	10. Screen material: <u>SCH 80 PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter <u>6.0</u> in.	b. Manufacturer <u>MONOFLEX</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>5.0</u> ft.
M. O.D. well casing <u>7.38</u> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
N. I.D. well casing <u>2.98</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm ELM CONSULTING, LLC

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Facility/Project Name
OPP Facility

Facility License, Permit or Monitoring Number _____

Type of Well Water Table Observation Well 11
Piezometer 12

Distance Well Is From Waste/Source Boundary _____ ft.

Is Well A Point of Enforcement Std. Application?
 Yes No

Local Grid Location of Well
490 ft. NS 1512 ft. NE

Grid Origin Location
Lat. _____ Long. _____ or
St. Plane _____ ft. N. _____ ft. E.

Section Location of Waste/Source
SE 1/4 of NE 1/4 of Sec. 35, T. 11 N., R. 21 W.

Location of Well Relative to Waste/Source
u Upgradient s Sidegradient
d Downgradient n Not Known

Well Name
PZ-8R

Wis. Unique Well Number _____ DNK Well Number _____

Date Well Installed
09/22/94
m m d d y y

Well Installed By: (Person's Name and Firm)
Rick O'Gorman

WTD Environmental Drilling

A. Protective pipe, top elevation 758.35 ft. ASL

B. Well casing, top elevation 758.69 ft. MSL

C. Land surface elevation 756.69 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis attached? Yes No

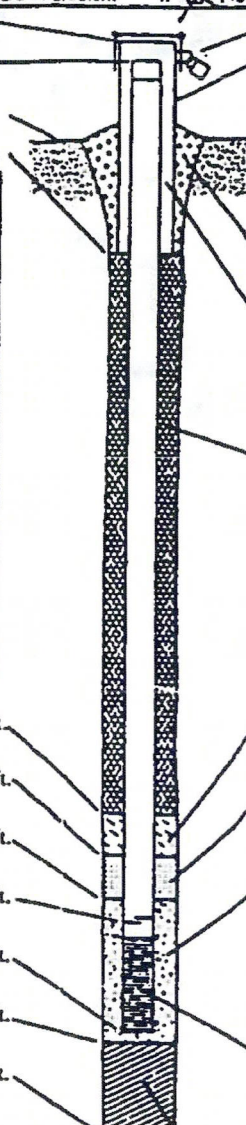
14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Other ____

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis): _____



1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel 04
Other ____

d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal: Bentonite 30
Concrete 01
Other ____

4. Material between well casing and protective pipe:
Bentonite 30
Annular space seal ____
Other ____

5. Annular space seal:
a. Granular Bentonite 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight ... Bentonite slurry 31
d. _____ % Bentonite ... Bentonite-cement grout 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08

6. Bentonite seal:
a. Bentonite granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
c. _____ Other ____

7. Fine sand material: Manufacturer, product name & mesh size
a. American Material #70 _____
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name and mesh size
a. American Material #30 _____
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other ____

10. Screen material: PVC _____
a. Screen type: Factory cut 11
Continuous slot 01
Other ____
b. Manufacturer Northern Air
c. Slot size: _____ in.
d. Slotted length: _____ ft.

11. Backfill material (below filter pack): None 14
Other ____

E. Bentonite seal, top _____ ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or _____ ft.

G. Filter pack, top _____ ft. MSL or _____ ft.

H. Screen joint, top _____ ft. MSL or _____ ft.

I. Well bottom _____ ft. MSL or _____ ft.

J. Filter pack, bottom _____ ft. MSL or _____ ft.

K. Borehole, bottom _____ ft. MSL or _____ ft.

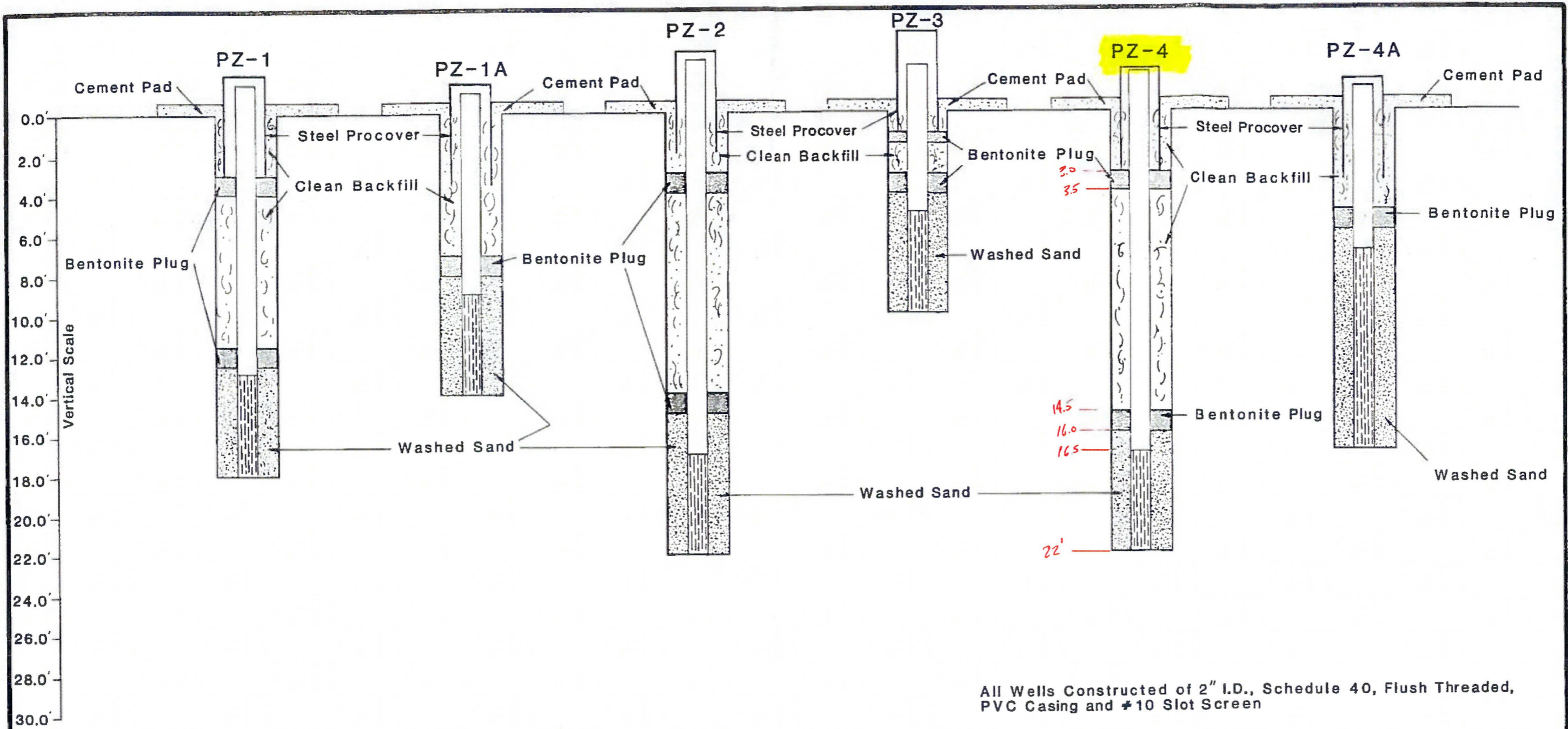
L. Borehole, diameter _____ in.

M. O.D. well casing _____ in.

N. I.D. well casing _____ in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm WTD Environmental Drilling

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All Wells Constructed of 2" I.D., Schedule 40, Flush Threaded, PVC Casing and #10 Slot Screen

Job No.: 0001-003

Freeman Chemical

Hatcher Incorporated

RICHMOND, VIRGINIA

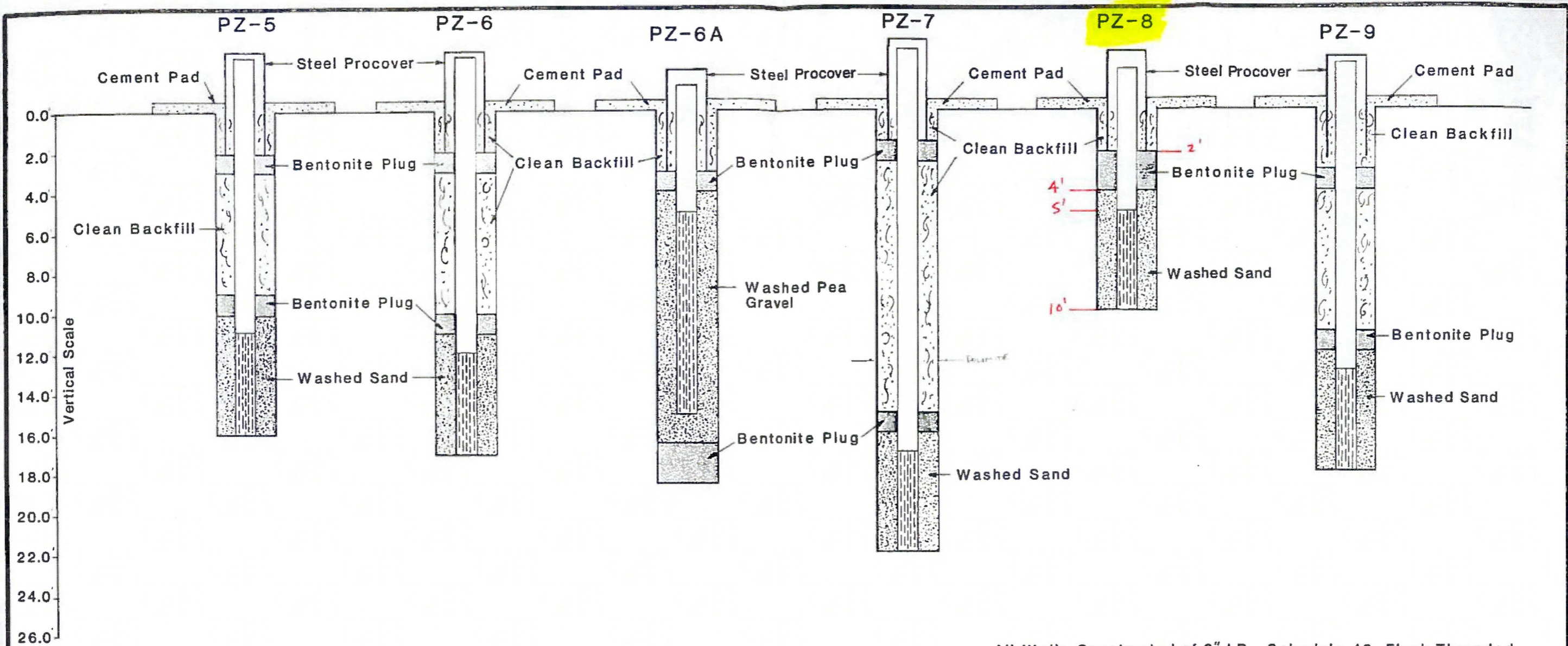
Date: 5/6/87

Scale: As Noted

Well Construction Diagrams

Drawing No.:

Figure No.:



All Wells Constructed of 2" I.D., Schedule 40, Flush Threaded, PVC Casing and #10 Slot Screen

Job No.: 0001-003

Freeman Chemical

Hatcher Incorporated

RICHMOND, VIRGINIA

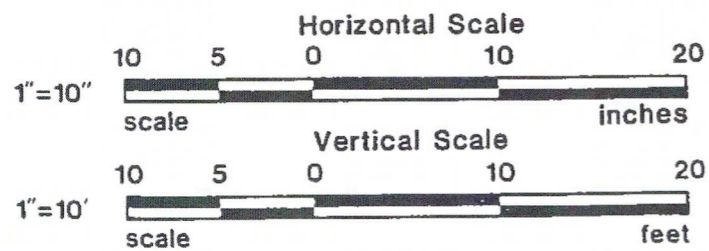
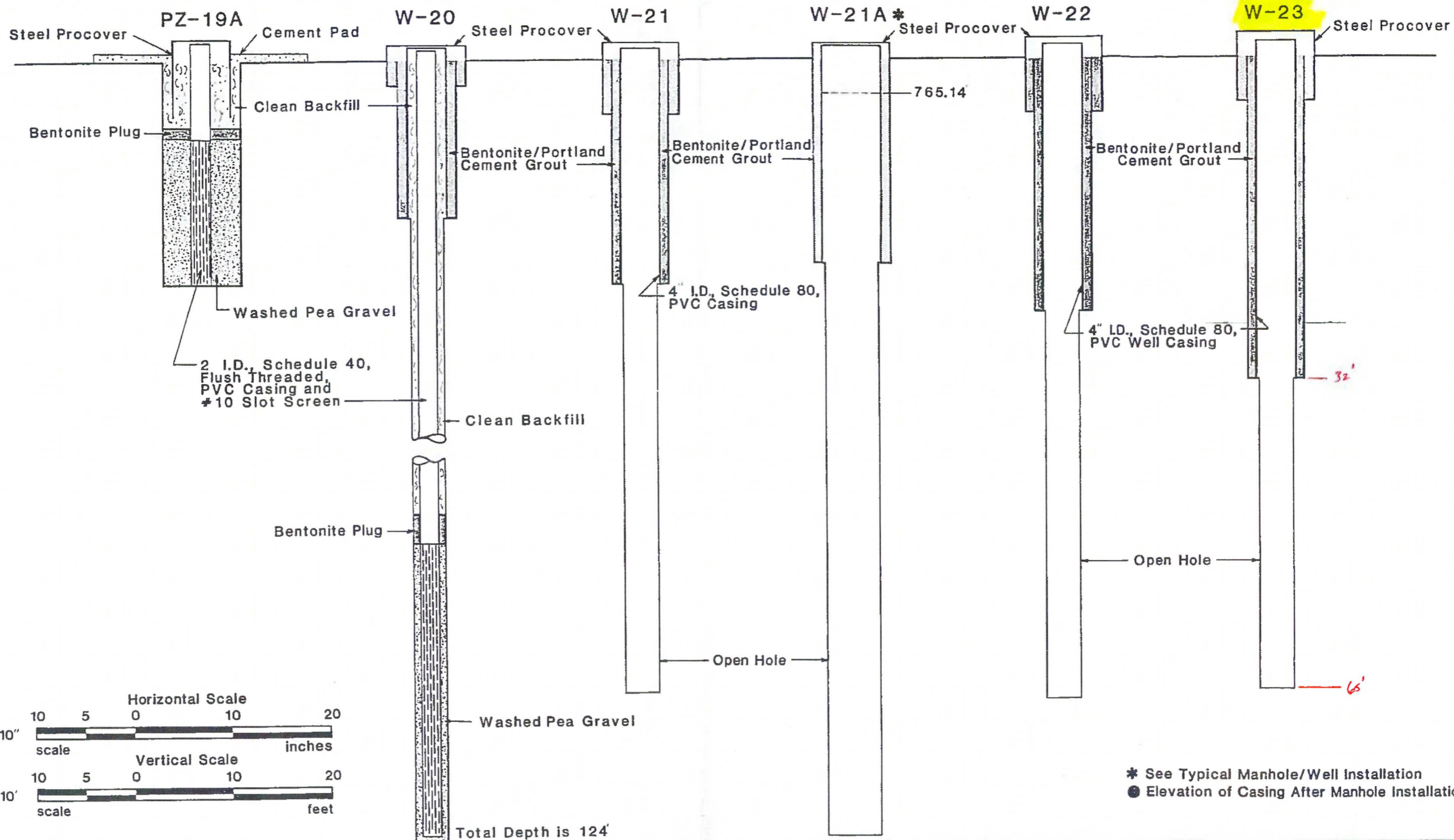
Date: 5/5/87

Scale: As Noted

Well Construction Diagrams

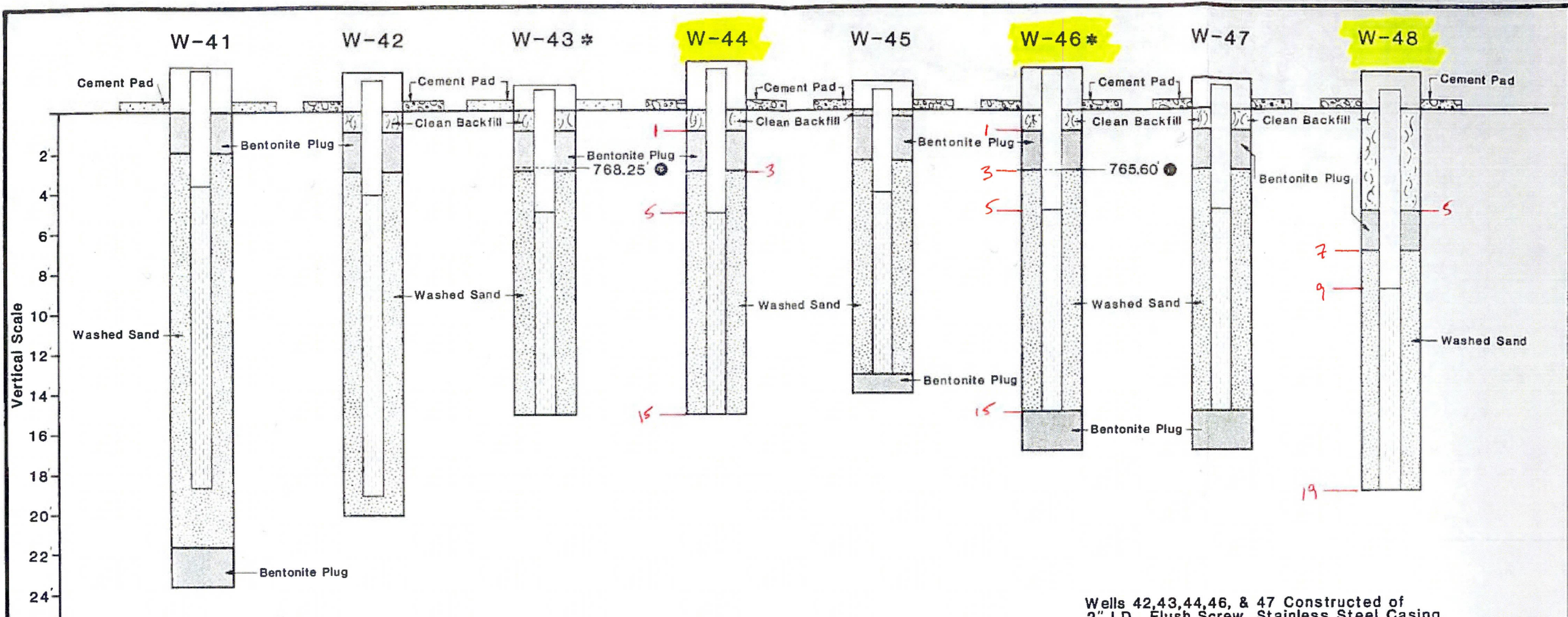
Drawing No.:

Figure No.:



* See Typical Manhole/Well Installation
 ● Elevation of Casing After Manhole Installation

Job No.: 0001-003	Hatcher Incorporated RICHMOND, VIRGINIA	Date: 5/13/87	Well Construction Diagrams	
Freeman Chemical		Scale: As Noted	Drawing No.:	Figure No.:

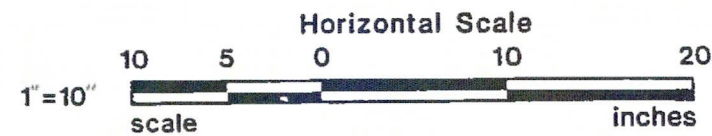


Wells 42,43,44,46, & 47 Constructed of 2" I.D., Flush Screw, Stainless Steel Casing and #10 Slot Screen

Wells 41,45, & 48 Constructed of 2" I.D., Flush Threaded, PVC Casing and #10 Slot Screen

* See Typical Manhole/Well Installation

● Elevation of Casing After Manhole Installation



Freeman Chemical

Job No.: 0001-003

Hatcher Incorporated

RICHMOND, VIRGINIA

Date: 5/14/87

Scale: As Noted

Well Construction Diagrams

Drawing No.:

Figure No.: