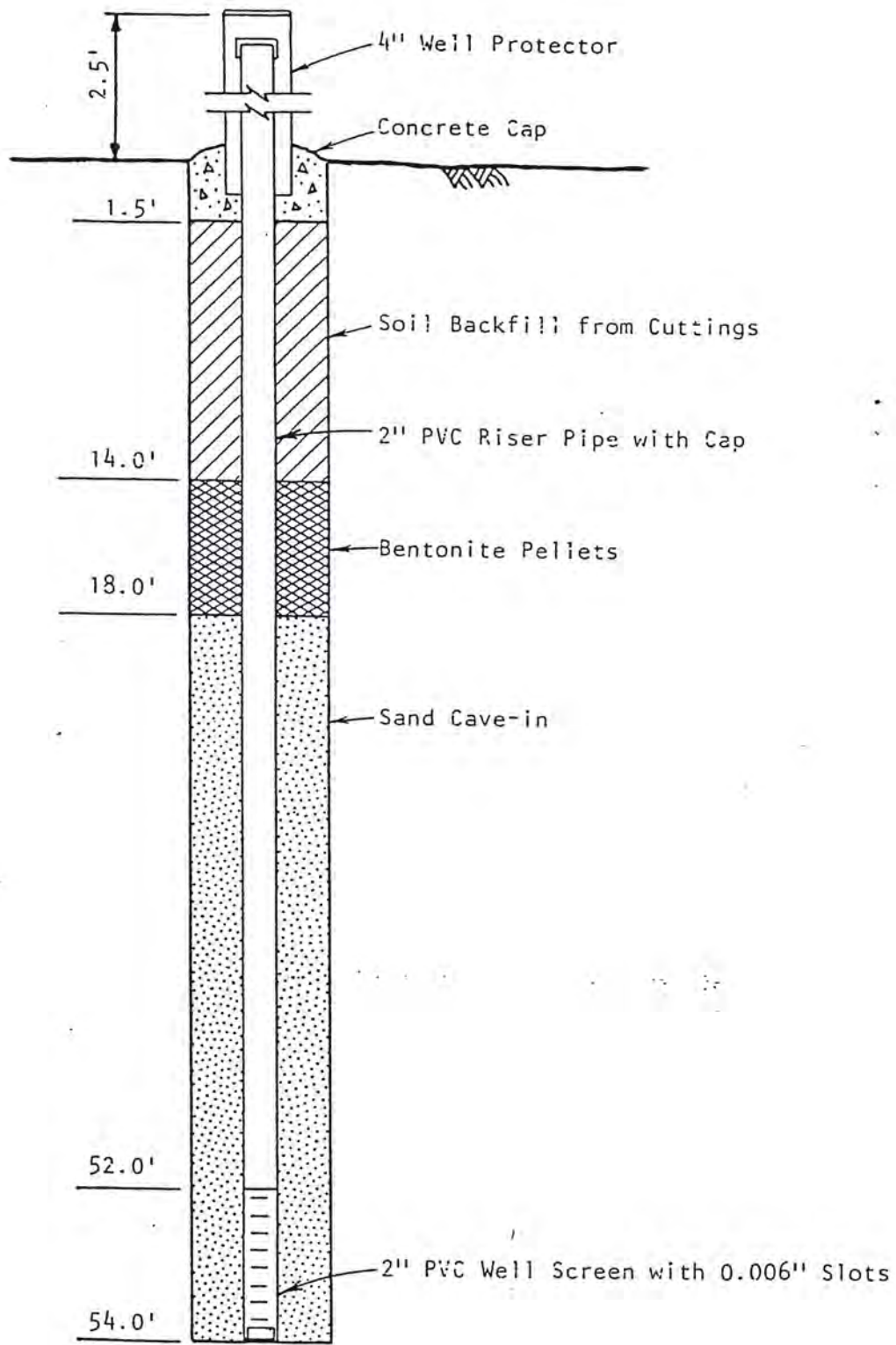


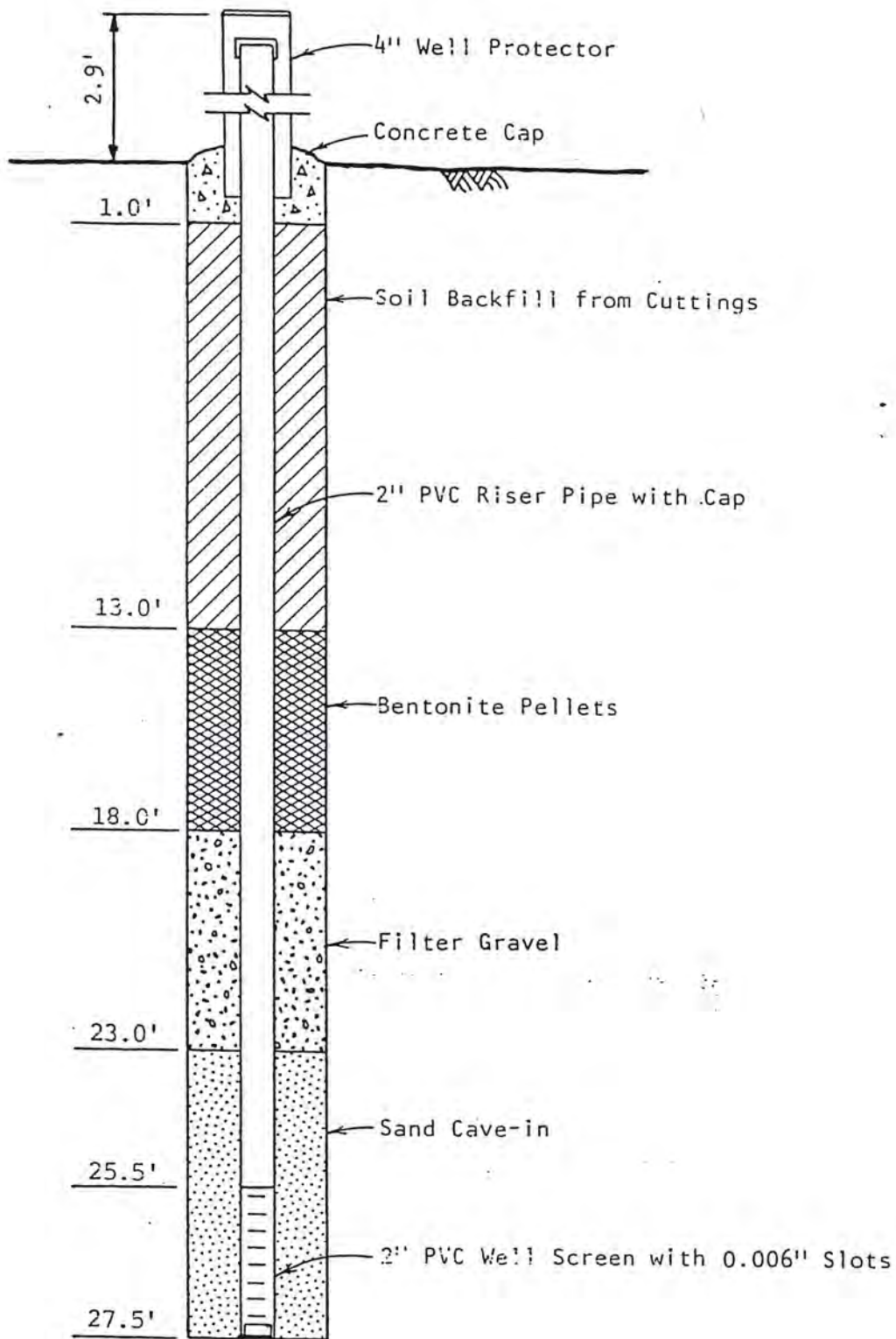
PIEZOMETER M-9

John Mathes & Associates, Inc.



PIEZOMETER M-10

John Mathes & Associates, Inc.



PIEZOMETER M-11

John Mathes & Associates, Inc.

B-2: Kelron Environmental: 1994-1995 Boring and  
Well Logs (Kelron, 1995)

## Geologic Field Observations

Serial No. \_\_\_\_\_ Borehole, Monitoring Well, or Test Pit No. B-20

*(Record this location on the Group List)* Group List Number \_\_\_\_\_

Location Type:  Borehole    Test Pit    Other 8.25" OD/4.25" ID Auger   Page 1 of 1

Site Name Illinois Power Company - Wood River   Project No. 940100   Phase/Task \_\_\_\_\_

Date 11-15-94   Start Time 1115   Logged by (print name) Stu Cravens

Depth (feet)	Sample No.	Sampler Type	Sample Depth (feet)		Sample Recovery (inches)	Field Description of Material, Comments, and Observations	Pocket Penetrometer	USCS Symbol	Air Monitoring		
			Top	Bottom					Borehole	Breathing Zone	Sample
0						Silty clay loam, organic					
0.5						Silty CLAY, med to dk br, dry to moist	CL				
	1	SS	10	12	15	*(7/8/8/10); SAND w/ silt, fine gr, lt brown, moist	SP-SM				
	2	SS	20	22	16	*(9/12/9/11);					
20						SILT, dk brown	ML				
20.5						SAND, fine gr, med brown	SP				
21						med gr, wet					
	3	SS	25	27		*(8/8/8/9);					
25						SAND, fine to med gr,					
	4	SS	30	32	24	*(6/3/4/9)					
31						SAND w/ silt, fine gr, brown-gray	SP-SM				
	5	SS	35	36	12	*(9/13)					
40						END BOREHOLE					

**Drilling Fluids**       None

Type water

Amount Lost all

Source IP Wood River Hydrant

**Groundwater Measurements**       Groundwater Not Encountered

Date	11/15/94		
Time	1230		
Depth (feet)	22.6'		

Comments Whitney and Associates, Inc.; Driller - Steve Winslow, Asst - Scott Osmulski  
ATV Auger Rig, CME-450. \*Split-Spoon Blow Counts: 24", 2" diam, 140# hammer

Geologist's Signature *Stu Cravens*      Date 11/15/94      Reviewer: \_\_\_\_\_      Date \_\_\_\_\_

# Geologic Field Observations

Serial No. \_\_\_\_\_ Borehole, Monitoring Well, or Test Pit No. B-26

(Record this location on the Group List) Group List Number \_\_\_\_\_

Location Type:  Borehole  Test Pit  Other 8.25" OD/4.25" ID Auger Page 1 of 1

Site Name Illinois Power Company - Wood River Project No. 950100 Phase/Task \_\_\_\_\_

Date 06-02-95 Start Time 1135 Logged by (print name) Stu Cravens

Depth (feet)	Sample No.	Sampler Type	Sample Depth (feet)		Sample Recovery (inches)	Field Description of Material, Comments, and Observations	Pocket Penetrometer	USCS Symbol	Air Monitoring		
			Top	Bottom					Borehole	Breathing Zone	Sample
0						Silty clay loam, organic					
1						Silty CLAY, med br, moist		CL			
	1	SS	5	7	16	*(2/2/3/2)					
5						Silty CLAY, dk br, saturated					
6						lt br to lt gray					
	2	SS	10	12	19	*(2/3/2/3) Silty CLAY					
	3	SS	15	17	22	*(2/2/3/3)					
15						Silty CLAY, med br, saturated					
16						CLAY, med gray, very moist					
	4	SS	20	22	24	*(2/3/3/4) CLAY, same as above					
31						END BOREHOLE					

**Drilling Fluids**  None

Type water

Amount Lost all

Source East Alton Municipal

**Groundwater Measurements**  Groundwater Not Encountered

Date	<u>6/2/95</u>		
Time	<u>1445</u>		
Depth (feet)	<u>+0.15'(als)</u>		

Comments Whitney and Associates, Inc.; Driller - Tim Fehl, Asst - James Bowman  
ATV Auger Rig, CME-450. \*Split-Spoon Blow Counts: 24", 2" diam, 140# hammer

Geologist's Signature \_\_\_\_\_ Date 6/2/95 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# Geologic Field Observations

Serial No. \_\_\_\_\_ Borehole, Monitoring Well, or Test Pit No. B-27

(Record this location on the Group List) Group List Number \_\_\_\_\_

Location Type:  Borehole  Test Pit  Other 8.25" OD/4.25" ID Auger Page 1 of 1

Site Name Illinois Power Company - Wood River Project No. 950100 Phase/Task \_\_\_\_\_

Date 06-02-95 Start Time 0945 Logged by (print name) Stu Cravens

Depth (feet)	Sample No.	Sampler Type	Sample Depth (feet)		Sample Recovery (inches)	Field Description of Material, Comments, and Observations	Pocket Penetrometer	USCS Symbol	Air Monitoring		
			Top	Bottom					Borehole	Breathing Zone	Sample
0						Silty clay loam, organic					
1						Silty CLAY, med br, very moist		CL			
	1	SS	5	7	24	*(3/4/5/7)					
5						Silty CLAY, lt br to lt gray, moist					
	2	SS	10	12	24	*(7/8/9/16)					
10						Silty CLAY, dk br					
11						SAND, med gr, lt br, very moist		SP			
	3	SS	15	17	20	*(not recorded)					
15						SAND, med to coarse grain, saturated					
32						END BOREHOLE					

**Drilling Fluids**  None

Type water

Amount Lost all

Source East Alton Municipal

**Groundwater Measurements**  Groundwater Not Encountered

Date	<u>6/2/95</u>		
Time	<u>1120</u>		
Depth (feet)	<u>9.7'</u>		

Comments Whitney and Associates, Inc.; Driller - Tim Fehl, Asst - James Bowman  
ATV Auger Rig, CME-450. \*Split-Spoon Blow Counts: 24", 2" diam, 140# hammer

Geologist's Signature \_\_\_\_\_ Date 6/2/95 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

TELEPHONE  
309 673-2131

TESTS  
DESIGN  
REPORTS  
ANALYSIS  
INSPECTION  
CONSULTATION  
INVESTIGATIONS

Winslow  
INSTALLED BY



**WHITNEY & ASSOCIATES**  
INCORPORATED

2406 West Nebraska Avenue  
PEORIA, ILLINOIS 61604

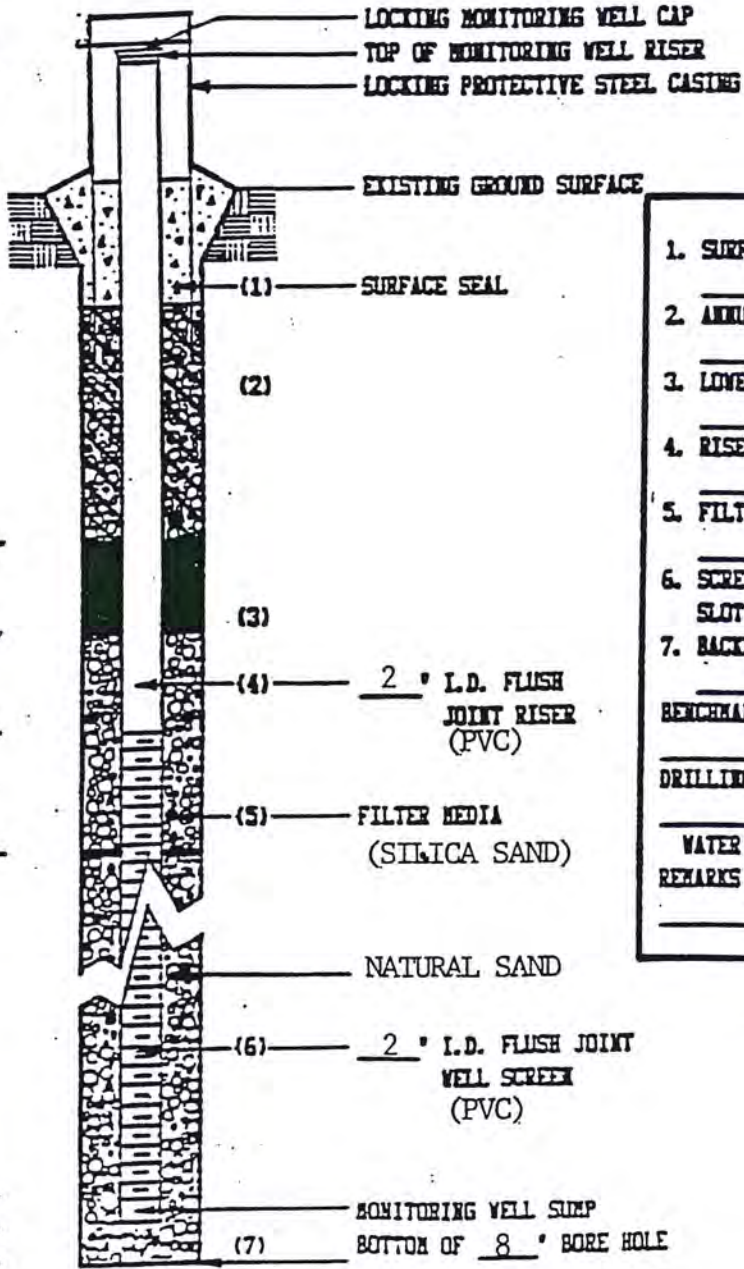
**SPECIALISTS IN**  
SOILS - PORTLAND CEMENT CONCRETE  
STEEL - BITUMINOUS CONCRETE  
CONSTRUCTION MATERIALS  
AGGREGATES - ASPHALT - POZ-O-PAC  
  
SOILS AND GRAVEL SURVEYS  
MATERIALS QUALITY CONTROL  
SOIL MECHANICS AND  
FOUNDATION ENGINEERING  
DRILLING - CORING - TESTING

11-28-94  
DATE

**TYPICAL MONITORING WELL DIAGRAM**

PROJECT Illinois Power - Wood River Station MONITORING WELL NO. MW-20  
 LOCATION Wood River, Illinois INSTALLATION DATE 11-16-94  
 MONITORING WELL LOCATION See Environmental Engineer's Site Plan

ELEVATION	DEPTH
	⊕ 2.4'
	0.0
	⊖ 4.0'
	⊖ 9.7'
	⊖ 13.5'
	⊖ 17.8'
	⊖ 22.0'
	⊖ 38.2'
	⊖ 39.0'
	⊖ 40.0'



1. SURFACE SEAL	Concrete Encasement
2. ANNULAR BACKFILL	Cement/Bentonite Grout
3. LOWER SEAL	Bentonite Pellets
4. RISER TYPE	Schedule 40 PVC
5. FILTER MEDIA	4.0 Flint Shot Silica Sand
6. SCREEN TYPE	Schedule 40 PVC
	SLOT SIZE 0.010" LENGTH 20.4'
7. BACKFILL TYPE	Natural Sand
BENCHMARK _____	
DRILLING METHOD 4.25" I.D. Hollow Stem Augers	
WATER LEVEL @ 24+ HOURS ⊖ 21.0'	
REMARKS _____	



TELEPHONE  
309 673-2131

TESTS  
DESIGN  
REPORTS  
ANALYSIS  
INSPECTION  
CONSULTATION  
INVESTIGATIONS



# WHITNEY & ASSOCIATES

INCORPORATED

2406 West Nebraska Avenue  
PEORIA, ILLINOIS 61604

SPECIALISTS IN  
SOILS - PORTLAND CEMENT CONCRETE  
STEEL - BITUMINOUS CONCRETE  
CONSTRUCTION MATERIALS  
AGGREGATES - ASPHALT - POZ-O-PAC

SOILS AND GRAVEL SURVEYS  
MATERIALS QUALITY CONTROL  
SOIL MECHANICS AND  
FOUNDATION ENGINEERING  
DRILLING - CORING - TESTING

Fehl

INSTALLED BY

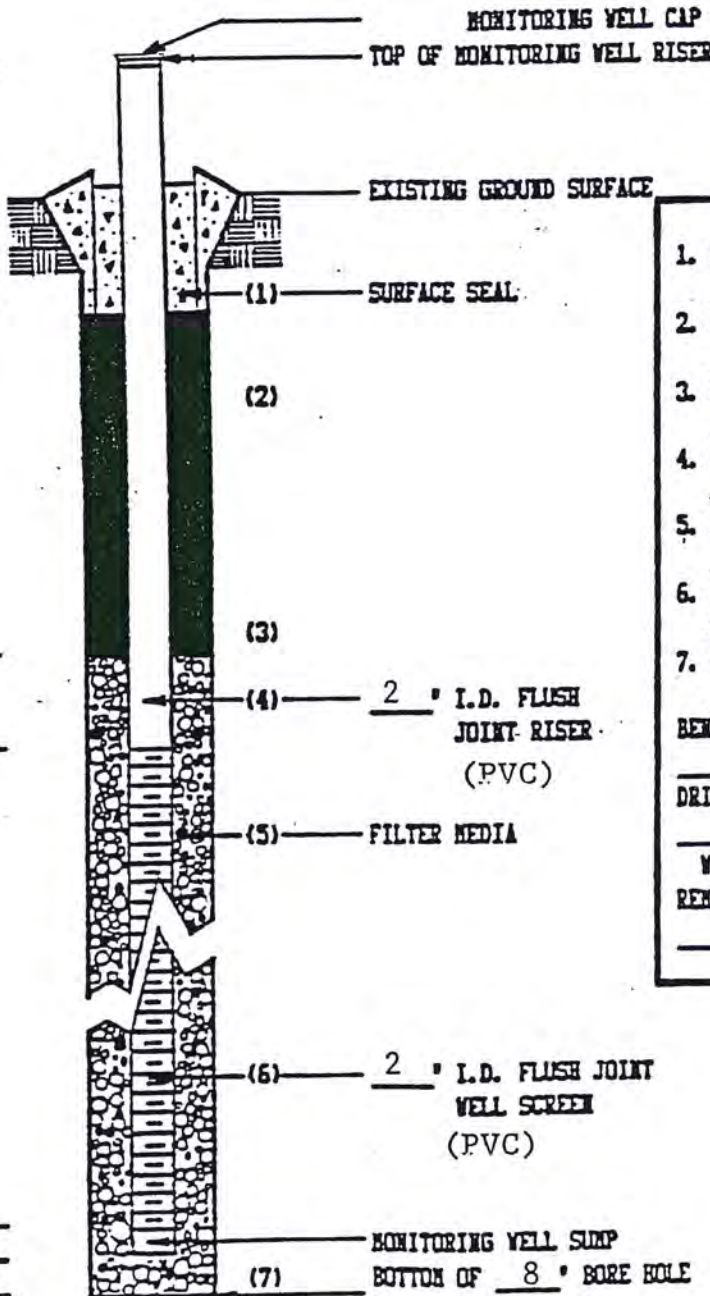
6-30-95

DATE

## TYPICAL MONITORING WELL DIAGRAM

PROJECT Illinois Power - Wood River Station MONITORING WELL NO. TMW-26  
 LOCATION Wood River, Illinois INSTALLATION DATE 6-02-95  
 MONITORING WELL LOCATION See Environmental Engineer's Site Plan

ELEVATION	DEPTH
⊕ 2.3'	
0.0	
⊖ 1.0'	
⊖ 6.0'	
⊖ 11.7'	
⊖ 26.7'	
⊖ 27.0'	
⊖ 31.0'	



1. SURFACE SEAL	<u>Auger Cuttings</u>
2. ANNULAR BACKFILL	<u>Bentonite Pellets</u>
3. LOWER SEAL	<u>Bentonite Pellets</u>
4. RISER TYPE	<u>Schedule 40 PVC</u>
5. FILTER MEDIA	<u>#12 Flint Shot Silica Sand</u>
6. SCREEN TYPE	<u>Schedule 40 PVC</u> SLOT SIZE <u>0.006"</u> LENGTH <u>15.0'</u>
7. BACKFILL TYPE	<u>Natural Sand</u>
BENCHMARK	
DRILLING METHOD	<u>4.25" I.D. Hollow Stem Auger</u>
WATER LEVEL @	<u>3 HOURS</u> ⊕ <u>0.2'</u>
REMARKS	

TELEPHONE  
309 673-2131

TESTS  
DESIGN  
REPORTS  
ANALYSIS  
INSPECTION  
CONSULTATION  
INVESTIGATIONS

Fehl

INSTALLED BY



## WHITNEY & ASSOCIATES

INCORPORATED

2406 West Nebraska Avenue  
PEORIA, ILLINOIS 61604

**SPECIALISTS IN**  
SOILS - PORTLAND CEMENT CONCRETE  
STEEL - BITUMINOUS CONCRETE  
CONSTRUCTION MATERIALS  
AGGREGATES - ASPHALT - POZ-O-PAC

SOILS AND GRAVEL SURVEYS  
MATERIALS QUALITY CONTROL  
SOIL MECHANICS AND  
FOUNDATION ENGINEERING  
DRILLING - CORING - TESTING

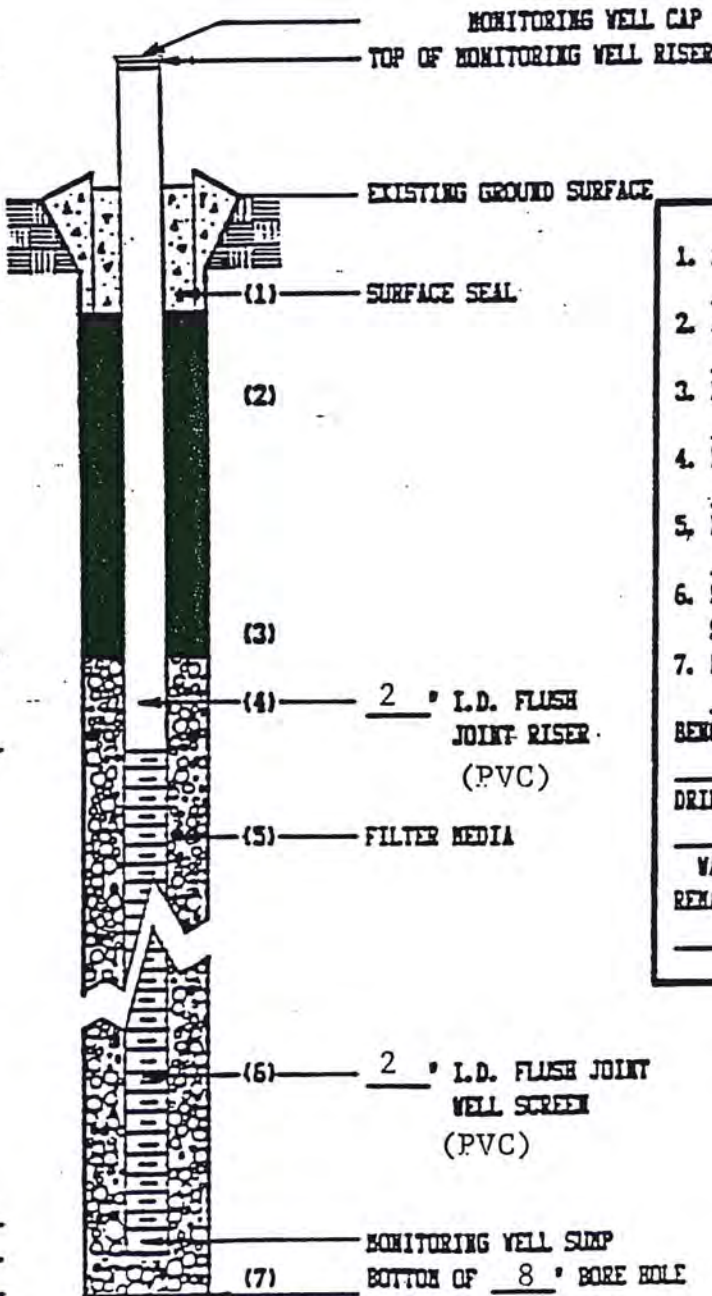
6-30-95

DATE

### TYPICAL MONITORING WELL DIAGRAM

PROJECT Illinois Power - Wood River Station MONITORING WELL NO. TMW-27  
 LOCATION Wood River, Illinois INSTALLATION DATE 6-02-95  
 MONITORING WELL LOCATION See Environmental Engineer's Site Plan

ELEVATION	DEPTH
_____	⊕ 2.7'
_____	0.0
_____	⊖ 1.0'
_____	⊖ 9.6'
_____	⊖ 15.2'
_____	⊖ 30.2'
_____	⊖ 30.5'
_____	⊖ 32.0'



- |   |   |
|---|---|
| 1. SURFACE SEAL                                     | <u>Auger Cuttings</u>                       |
| 2. ANGULAR BACKFILL                                 | <u>Bentonite Pellets</u>                    |
| 3. LOWER SEAL                                       | <u>Bentonite Pellets</u>                    |
| 4. RISER TYPE                                       | <u>Schedule 40 PVC</u>                      |
| 5. FILTER MEDIA                                     | <u>Natural Sand</u>                         |
| 6. SCREEN TYPE                                      | <u>Schedule 40 PVC</u>                      |
|   | SLOT SIZE <u>0.006"</u> LENGTH <u>15.0'</u> |
| 7. BACKFILL TYPE                                    | <u>Natural Sand</u>                         |
| BENCHMARK _____                                     |   |
| DRILLING METHOD <u>4.25" I.D. Hollow Stem Auger</u> |   |
| WATER LEVEL @ <u>1.5</u> HOURS <u>⊖ 9.7'</u>        |   |
| REMARKS _____                                       |   |






B-3: Natural Resource Technology: 1999 Boring  
and Well Log (NRT, 2000)

<b>Project Name/No.</b> Illinois Power - Wood River Plant 135-1.4	<b>Boring No.</b> 35	<b>Start Date</b> 1/5/99	<b>Page</b> 1
--	-------------------------	-----------------------------	------------------

<b>Driller</b> Boart-Longyear, Schofield, WI	<b>Logged by:</b> Steve Mueller/STMI	<b>End Date</b> 1/5/99	<b>Depth to Water</b> ~6 Feet
---	---	---------------------------	----------------------------------

<b>Boring Depth</b> 28 Feet	<b>Boring Diameter</b> 8 Inches	<b>Surface Elevation</b> Feet	<b>Drill Method</b> 4 1/4-in. ID HSA	<b>Northing</b>
--------------------------------	------------------------------------	----------------------------------	---	-----------------

<b>Well Depth</b> 28 Feet	<b>Well Diameter</b> 2-in I.D.	<b>TOC Elev.</b> Feet	<b>Sample Method</b> 2-ft. split-spoon	<b>Easting</b>
------------------------------	-----------------------------------	--------------------------	---	----------------

Sample	Blows/6 inches	Sample Depth (ft)	Recovery (%)	Graphic Log	Classification	Description	Well Completion	Comments
						SILTY CLAY, dark topsoil with marsh grass 0-1/2 ft., slightly plastic, soft, grayish brown, saturated below 6 ft.		
	1, 1	5	100		CL			7-ft by 6-in O.D. steel stick-up casing to 3 ft below grade.
	1, 1	10	100		CL			Bentonite chips 0-20 ft.
	1, 1, 2, 2	15	100		CL	CLAY, trace fine sand, medium plastic, soft, brownish gray, moist.		Sch. 40 PVC* casing flush-threaded to 5-ft section of 0.01-in factory-slotted PVC screen.
	1, 2, 3, 5	20	50		ML	SILT, medium stiff, dark gray, saturated.		Fine silica sand 20-20.5 ft; Red Flint #30 silica sand pack 20.5-28 ft.
	1, 1, 1, 6	25	25		SP	SAND, well sorted/rounded, fine- to medium-grained, predominantly quartz, loose, gray (salt & pepper), saturated.		*For datalogger installation, a 4-ft section of 4-in ID casing (above ground) was coupled to 2-in ID casing (below ground) using a rubber boot and hose clamps.
						END OF BORING - 28.0 feet		

New East Ash Pond: Replacement Well MW35R  
Wood River Power Station  
Dynegy Midwest Generation, Inc.  
Location: Twp 5N, Rng 9W, 19 NE/NE/SE

Date Started/Finished : 11/13/2008  
Hole Diameter : 8.5 inches  
Drilling Method : Hollow-Stem  
Sampling Method : Split-Spoon  
Drilling Company : Philip Services Corp.

Driller : Jerry Bignall  
Geologist : Stuart Cravens (Kelron)  
Land Surface Elevation: 422.56  
Top of Casing Elevation 425.56  
X,Y Coordinates : 509084, 801955

Depth in Feet	DESCRIPTION	Surf. Elev. 422.56	Samples	Recovery inches	Blow Count	Qp TSF	USCS	GRAPHIC	Well: MW35R - Elev.: 425.56	
									Cover	
0	SILTY CLAY, grayish brown.	422							Concrete	
5	Replacement for Destroyed Well MW35 (drilled 1/5/99 / sealed 11/13/08); see boring log from MW35 for full description of lithology.	417					CL		Bentonite Chips	
10		412							Riser (Sch 40 PVC)	
15	CLAY, trace fine sand, brownish gray	407					CL		Filter Pack (Fine Sand 20-20.5)	
20	SILT, dark gray.	402					ML		Filter Pack (Crse Sand 20.5-28)	
25	SAND, well sorted/rounded, fine to medium-grained, loose, gray, saturated.	397	1	14			SP		Screen (Sch 40 PVC)	
30	END BOREHOLE AT 28 FEET BLS								Sump	

12-04-2008 c:\powerp-1\woodr-1\hydro-1\drilling\boring-1\wr\_mw35R.BOR

B-4: Shively Geotechnical: 2003 Boring Logs for  
Dynergy Rail Loop (Shively, 2003)

**APPENDIX B: BORING LOGS**

Boring Logs  
General Notes  
Notations used on Boring Logs  
Unified Soil Classification

# LOG OF BORING B - 01

Project Name: Dynege Rail Loop  
 Project Location: Wood River, Illinois  
 Project Number: SG9-2554  
 Elevation: 433 Feet (Approximate)

Date Drilled: 3/27/03  
 Drilling Contractor: Meyer Drilling, Inc.  
 Drilling Method: HSA and Mud Rotary  
 Logged By: Meyer/Kinsella

Elevation/ Depth (feet)	Graphic Log Sampler Symbols and SPT Blows	Rec. (in./in.)	USCS	Description	DD (pcf)	UCS (tsf)	MC (%)	Remarks	
0				SLAG and Base ROCK, FILL					
430		2 11 11	17/18	Dark Gray Silty CLAY and Crushed LIMESTONE, FILL			3		
5		2 2 2	17/18	CL	Dark Gray-Brown Silty CLAY, Possible FILL		0.5 Qp	41	
425		1 4 5	17/18	SC	Brown Clayey SAND, Possible FILL		2.0 Qp	14	
10		3 3 4	18/18					13	Began Mud Rotary at 9.5 Feet
420					-Dark Gray-Brown below 12.0 feet				
15		3 4 4	15/18					15	
415		0 1 2	9/18	CL	Dark Gray Silty CLAY			27	
410		1 3 3	14/18	CH	Dark Gray-Brown CLAY		1.6 Qp	31	
405		10 14 18	17/18	SP	Dark Gray-Brown Fine SAND				
30			SP						

(continued)

**Notes:**

GROUNDWATER      ▽ First Observed During Drilling - N/A  
                               ⊕ At Completion - N/A

Piezometer Installed: No



Missouri (314) 770-1001  
 Illinois (618) 398-1414

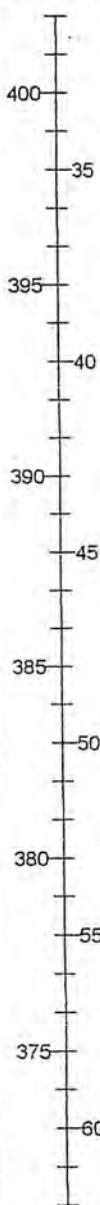
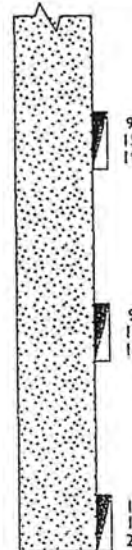
BORING LOG 2554\GINT\FILE.GPJ SHIVELY.GDT 4/24/03



# LOG OF BORING B - 01 (Cont.)

Project Name: Dynegy Rail Loop  
 Project Location: Wood River, Illinois  
 Project Number: SG9-2554  
 Elevation: 433 Feet (Approximate)

Date Drilled: 3/27/03  
 Drilling Contractor: Meyer Drilling, Inc.  
 Drilling Method: HSA and Mud Rotary  
 Logged By: Meyer/Kinsella

Elevation/Depth (feet)	Graphic Log Sampler Symbols and SPT Blows	Rec. (in./in.)	USCS	Description	DD (pcf)	UCS (tsf)	MC (%)	Remarks
		<p>15/18</p> <p>14/18</p> <p>12/18</p>		<p>Dark Gray-Brown Fine SAND (continued)</p> <p>-Gray below 37.0 Feet</p> <p>-Fine to Medium Grained below 42.0 Feet</p>				
				<p>TD - 45.0 Feet</p>				

**Notes:**

**GROUNDWATER**

- ▽ First Observed During Drilling - N/A
- ▼ At Completion - N/A

Piezometer Installed: No



Missouri (314) 770-1001  
 Illinois (618) 398-1414

BORING LOG 2554GINTFILE.GPJ SHIVELY.GOT 4/24/03

# LOG OF BORING B - 02

Project Name: Dynegy Rail Loop  
 Project Location: Wood River, Illinois  
 Project Number: SG9-2554  
 Elevation: 433 Feet (Approximate)

Date Drilled: 3/27/03  
 Drilling Contractor: Meyer Drilling, Inc.  
 Drilling Method: HSA and Mud Rotary  
 Logged By: Meyer/Kinsella

Elevation/ Depth (feet)	Graphic Log Sampler Symbols and SPT Blows .	Rec. (in./in.)	USCS	Description	DD (pcf)	UCS (tsf)	MC (%)	Remarks	
0				SLAG and Base ROCK, FILL					
430		4 16 15	14/18		Dark Gray Silty CLAY and Crushed LIMESTONE, FILL			19	
5		4 7 9	18/18	SC	Gray-Brown Clayey SAND, FILL			6	
425		2 5 5	15/18	CL	Dark Gray-Brown Silty CLAY, FILL		0.8 Qp	24	
420		4 6 8	15/18		Gray-Brown Clayey SAND and Crushed LIMESTONE, FILL		1.3 Qp	11	Began Mud Rotary at 9.5 Feet
15		1	4/18	SP	Dark Gray-Brown Clayey SAND, with Gravel, Possible FILL			26	
415		4 7 8	18/18	CH	Dark Gray-Brown CLAY		1.3 Qp	32	
410		6 12 18	15/18	SP	Gray Fine SAND				
405		5 8 11	12/18	SP	-Gray-Brown 27.0 to 42 Feet				
30					(continued)				

**Notes:**

**GROUNDWATER**

- First Observed During Drilling - N/A
- At Completion - N/A

Piezometer Installed: No



Missouri (314) 770-1001  
 Illinois (618) 398-1414

BORING LOG 2554\GINT\FILE.GPJ SHIVELY.GDT 4/24/03

# LOG OF BORING B - 02 (Cont.)

Project Name: Dynegy Rail Loop  
 Project Location: Wood River, Illinois  
 Project Number: SG9-2554  
 Elevation: 433 Feet (Approximate)

Date Drilled: 3/27/03  
 Drilling Contractor: Meyer Drilling, Inc.  
 Drilling Method: HSA and Mud Rotary  
 Logged By: Meyer/Kinsella

Elevation/ Depth (feet)	Graphic Log Sampler Symbols and SPT Blows	Rec. (in./in.)	USCS	Description	DD (pcf)	UCS (tsf)	MC (%)	Remarks
		<p>12/18</p> <p>10/18</p> <p>14/18</p>		<p>Gray Fine SAND (<i>continued</i>)</p> <p>-Dark Gray-Brown, Fine to Medium Grained below 42.0 Feet</p>				
				<p>TD - 45.0 Feet</p>				

BORING LOG 2554GINTFILE.GPJ SHIVELY.GDT 4/24/03

**Notes:**

**GROUNDWATER**

- First Observed During Drilling - N/A
- At Completion - N/A

Piezometer Installed: No










Missouri (314) 770-1001  
 Illinois (618) 398-1414

# LOG OF BORING B - 04

Project Name: Dynegy Rail Loop  
 Project Location: Wood River, Illinois  
 Project Number: SG9-2554  
 Elevation: 424 Feet (Approximate)

Date Drilled: 3/26/03  
 Drilling Contractor: Meyer Drilling, Inc.  
 Drilling Method: Hollow Stem Auger  
 Logged By: Meyer/Kinsella

Elevation/ Depth (feet)	Graphic Log Sampler Symbols and SPT Blows	Rec. (in./in.)	USCS	Description	DD (pcf)	UCS (tsf)	MC (%)	Remarks
0				TOPSOIL				
		16/18	CL	Dark Gray-Brown Silty CLAY, Possible FILL		2.3 Qp	23	
420		12/24	CL	Gray-Brown Silty CLAY	95		26	
415		18/18					27	
410		22/24			94		29	LL = 42 PL = 18 PI = 24  G <sub>s</sub> = 2.65
405		18/18	CH	Dark Gray CLAY			34	
400		18/18					60	
395				TD - 20.0 Feet				

Notes:

GROUNDWATER

- First Observed During Drilling - Dry
- At Completion - Not Recorded

Piezometer Installed: No



Missouri (314) 770-1001  
 Illinois (618) 398-1414

BORING LOG\_2554\GINTFILE.GPJ SHIVELY.GDT 4/24/03

# LOG OF BORING B - 05

Project Name: Dynegy Rail Loop  
 Project Location: Wood River, Illinois  
 Project Number: SG9-2554  
 Elevation: 433.5 Feet (Approximate)

Date Drilled: 3/26/03  
 Drilling Contractor: Meyer Drilling, Inc.  
 Drilling Method: Hollow Stem Auger  
 Logged By: Meyer/Kinsella

Elevation/ Depth (feet)	Graphic Log Sampler Symbols and SPT Blows	Rec. (in./ft.)	USCS	Description	DD (pcf)	UCS (tsf)	MC (%)	Remarks
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>0</p> <p>430</p> <p>5</p> <p>425</p> <p>10</p> <p>420</p> <p>15</p> <p>415</p> <p>20</p> <p>410</p> <p>25</p> <p>405</p> <p>30</p> </div> <div style="flex: 1;"> </div> </div>	<p>1 5 8</p> <p>3 6 9</p> <p>1 5 7</p> <p>1 3 4</p>	<p>13/18</p> <p>15/18</p> <p>13/18</p> <p>15/18</p>	<p></p> <p>SM</p> <p></p> <p>CL</p> <p></p> <p>TD - 10.0 Feet</p>	<p>Base ROCK, FILL</p> <p>Brown Silty SAND</p> <p>-Gray-Brown below 3.0 Feet</p> <p>Gray Brown Silty CLAY, trace Sand</p> <p>-Very Dark Gray below 8.0 Feet</p>	<p></p> <p></p> <p>3.0 Qp</p> <p>2.6 Qp</p> <p>2.5 Qp</p>	<p></p> <p>23</p> <p>21</p> <p>20</p> <p>20</p>	<p></p> <p></p> <p></p> <p></p>	

Notes:

GROUNDWATER

First Observed During Drilling - Dry

At Completion - Dry

Piezometer Installed: No



Missouri (314) 770-1001  
 Illinois (618) 398-1414

BORING LOG 2554GINTFILE.GPJ SHIVELY.GDT 4/21/03

# LOG OF BORING B - 06

Project Name: Dynegy Rail Loop  
 Project Location: Wood River, Illinois  
 Project Number: SG9-2554  
 Elevation: 431.5 Feet (Approximate)

Date Drilled: 3/26/03  
 Drilling Contractor: Meyer Drilling, Inc.  
 Drilling Method: Hollow Stem Auger  
 Logged By: Meyer/Kinsella

Elevation/Depth (feet)	Graphic Log Sampler Symbols and SPT Blows	Rec. (in./in.)	USCS	Description	DD (pcf)	UCS (tsf)	MC (%)	Remarks
0				Base ROCK, FILL				
430		16/18		Dark Gray-Brown Silty CLAY, with Crushed Limestone, FILL			4	
5		11/18	SM	Brown Silty SAND			24	
425		18/18	SP	Gray-Brown Fine SAND			12	
10		15/18		TD - 10.0 Feet			8	
420								
15								
415								
20								
410								
25								
405								
30								

**Notes:**

**GROUNDWATER**

- First Observed During Drilling - Dry
- At Completion - Dry

Piezometer Installed: No



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BORING LOG 2554.GINT\FILE.GPJ SHIVELY.GDT 4/21/03

# LOG OF BORING B - 07

Project Name: Dynegy Rail Loop  
 Project Location: Wood River, Illinois  
 Project Number: SG9-2554  
 Elevation: 430 Feet (Approximate)

Date Drilled: 3/26/03  
 Drilling Contractor: Meyer Drilling, Inc.  
 Drilling Method: Hollow Stem Auger  
 Logged By: Meyer/Kinsella

Elevation/ Depth (feet)	Graphic Log Sampler Symbols and SPT Blows	Rec. (in./in.)	USCS	Description	DD (pcf)	UCS (tsf)	MC (%)	Remarks
430-0				TOPSOIL				
		14/18	CL-CH	Dark Brown Silty CLAY		1.5 Qp	23	
425-5		15/18	SM	Brown Silty SAND			20	
		17/18	SP	Gray-Brown Fine SAND			6	
420-10		18/18					6	
				TD - 10.0 Feet				
415-15								
410-20								
405-25								
400-30								

Notes:

GROUNDWATER

- First Observed During Drilling - Dry
- At Completion - Dry

Piezometer Installed: No



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BORING LOG 2554.GINTFILE.GPJ SHIVELY.GDT 4/21/03

# LOG OF BORING B - 08

Project Name: Dynegy Rail Loop  
 Project Location: Wood River, Illinois  
 Project Number: SG9-2554  
 Elevation: 432.0 Feet (Approximate)

Date Drilled: 1/16/03  
 Drilling Contractor: Meyer Drilling, Inc.  
 Drilling Method: Hollow Stem Auger  
 Logged By: Meyer/Kinsella

Elevation/ Depth (feet)	Graphic Log Sampler Symbols and SPT Blows	Rec. (in./in.)	USCS	Description	DD (pcf)	UCS (tsf)	MC (%)	Remarks
0				TOPSOIL				
430		16/18		Gray FLYASH, FILL			25	
5		15/18		-with Bottom Ash below 4.0 Feet		1.3 Qp	32	
425		17/18		Dark Gray BOTTOM ASH, with Flyash, FILL			15	
10		17/18	CL	Dark Gray Silty CLAY, trace Bottom Ash, FILL		4.5 Qp	17	
420		13/18	CL-ML	Brown Clayey SILT		1.3 Qp	25	
15		18/18		-Gray-Brown below 17.0 feet		0.8 Qp	27	
415			TD - 20.0 Feet					
20								
410								
25								
405								
30								

Notes:

GROUNDWATER

- ▽ First Observed During Drilling - Dry
- ▽ At Completion - Dry

Piezometer Installed: No



Missouri (314) 770-1001  
 Illinois (618) 398-1414

BORING LOG 2554GINTFILE.GPJ SHIVELY.GDT 4/21/03