

Westinghouse Electric Company Hematite Facility



Well Inspection Report



Well Number: WS-29	Date Installed: 9/25/1998	Project Number: SAHEM00136
Coordinates (MO State Plane NAD83):		Elevation (TOC):
Northing/Easting		
N 865041.262	E 827870.790	428.12
Total Depth (feet BTOC): 30.64	Riser Height (feet above pad): 2.61	Water Level (feet BTOC): 16.59
Well Construction Material: PVC	Well Casing Diameter (inches): 2	Screen Length (feet): 7.0
Hydrostratigraphic Zone: DSCC/Unconsolidated	Inspected By: R. Tubbs	Date Inspected: 8/17/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Eight guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- During redevelopment, well continuously produced thick gray water having the appearance of bentonite grout
- Rehabilitation with mud dispersant recommended to remove additional fines accumulated around filter pack





LOG OF BORING WS29

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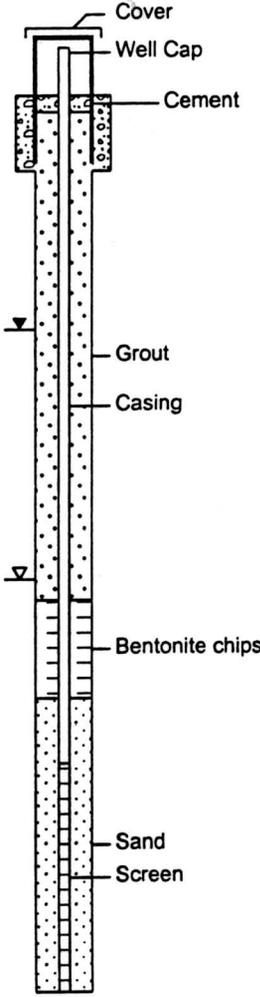
Combustion Engineering
Missouri State Route P
Hematite, Missouri

Date Started : 09/24/98
Date Completed : 09/25/98
Hole Diameter : 8 5/8"
Drilling Method : Hollow Stem Auger
Driller : REDI
Sampling Method : 5' Split-Spoon Sampler

Logged By: Kerry L. Nikolaisen, RG

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Recovery	PID (ppm)	Net CPM (0.5 min)	Water Levels ▼ During Drilling ▽ After Completion (prior to development)
0	CL		SILTY CLAY, moist, slightly plastic, moderate yellowish-brown with abundant brown mottling. Trace roots.	1	80	0.4	32.0	
5	CL/ML		SILTY CLAY/CLAYEY SILT, moist, soft to slightly firm.	2	70	0.0	4.0	
			CLAYEY SILT, moist to wet, moderate yellowish brown, soft. Abundant mottling and trace limonite staining.					
10	ML		sandy saturated, friable, 6" black/rusty-brown iron oxide lens.	3	100	0.7	14.0	
			olive gray, soft, limonite staining and black mottling.					
15			medium gray	4	100	0.2	8.0	
	CL		SILTY CLAY, firm.					
20	ML		CLAYEY SILT, saturated, soft, sticky dark gray, grading softer	5	60	0.0	4.0	
25	GP		GRAVEL, clayey, silty, sandy. Poorly-graded, saturated, rounded and subangular. trace org. matter, clay decreases.	6	100	0.2	-14.0	
27.4	AUGER REFUSAL @ 27.4 feet bgs							
30								
35								

Well: WS29
Elev.: 428.20



Well Construction Information

WELL CONSTRUCTION
Date Compl: 9/25/98
Hole Diam.: 8 5/8 in.
Drill. Method: HSA

WELL CASING
Material: PVC
Diameter: 2 in.
Joints: threaded

WELL SCREEN
Material: PVC
Diameter: 2 in.
Joints: threaded
Opening: .010 slot

NOTES
(PP) Pocket Penetrometer

(CPM) Counts per minute

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Westinghouse Electric Company Hematite Facility

Well Inspection Report



Well Number: WS-30	Date Installed: 10/15/1998	Project Number: SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		Elevation (TOC): 428.19
N 865041.273	E 827862.686	Water Level (feet BTOC): 17.63
Total Depth (feet BTOC): 52.07	Riser Height (feet above pad): 2.52	Screen Length (feet): 10.0
Well Construction Material: PVC	Well Casing Diameter (inches): 2	Date Inspected: 8/17/2004
Hydrostratigraphic Zone: Jefferson City – Cotter Dolomite	Inspected By: R. Tubbs	

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Eight guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation and/or maintenance not required





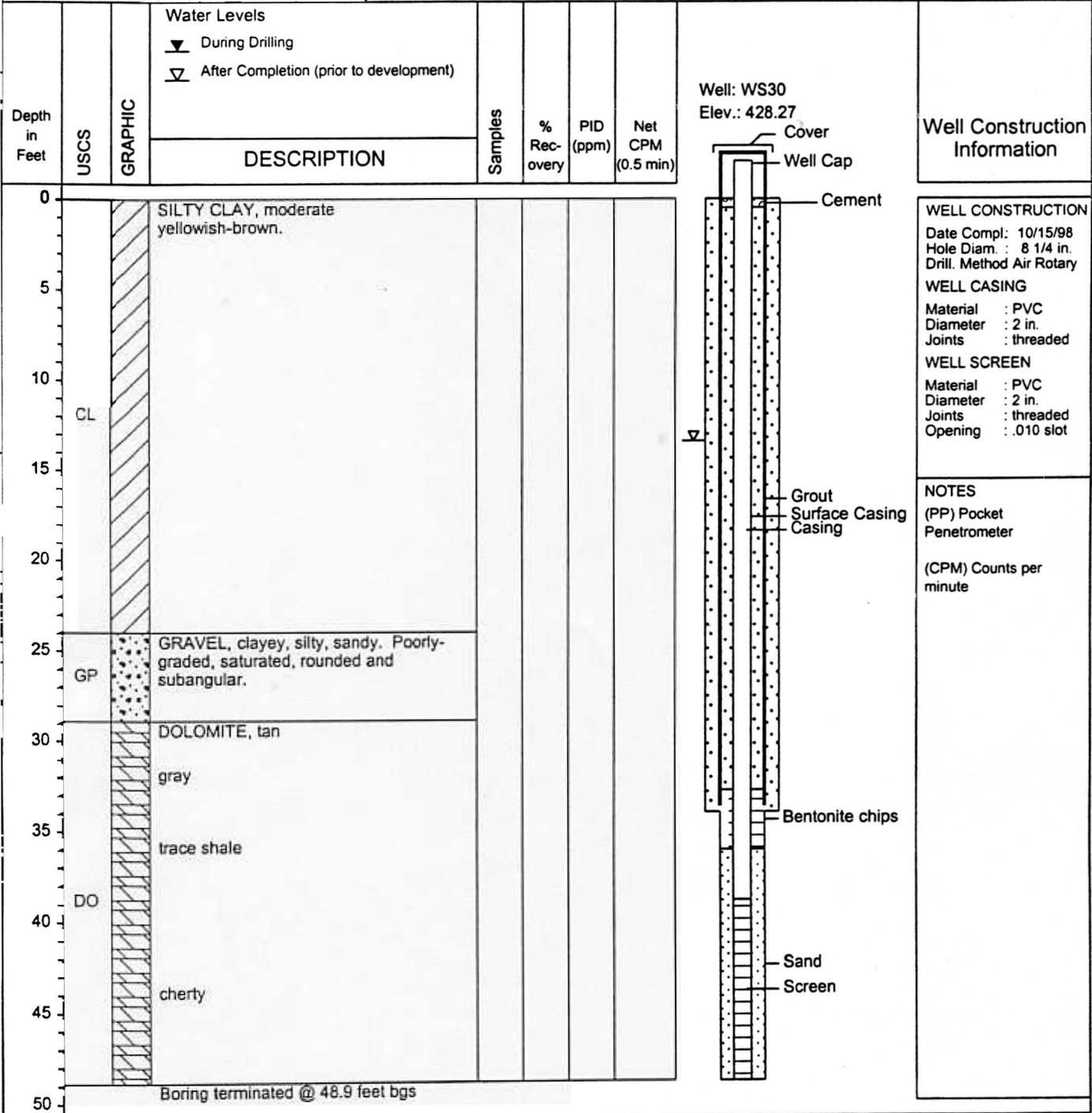
LOG OF BORING WS30

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Combustion Engineering
Missouri State Route P
Hematite, Missouri

Date Started : 10/07/98
Date Completed : 10/15/98
Hole Diameter : 8 1/4"
Drilling Method : Air Rotary
Driller : RED I
Sampling Method : Cuttings

Logged By: Kerry L. Nikolaisen, RG



Westinghouse Electric Company Hematite Facility

Well Inspection Report



Well Number: WS-31	Date Installed: 10/13/1998	Project Number: SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		Elevation (TOC):
N 865045.126	E 827867.304	427.55
Total Depth (feet BTOC): 84.07	Riser Height (feet above pad): 2.39	Water Level (feet BTOC): 17.32
Well Construction Material: PVC	Well Casing Diameter (inches): 2	Screen Length (feet): 10.0
Hydrostratigraphic Zone: Jefferson City – Cotter Dolomite	Inspected By: R. Tubbs	Date Inspected: 8/17/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Eight guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation and/or maintenance not required

