APPENDIX C

BORING LOGS

This page intentionally left blank.

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-1	Date Started: 4-30-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed:
Air Rotary/Mud Rotary/Dual Tube/Percussion/Sonic/Vacuum	Logged By: SH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20					0-3' BGS: silty clay / fill 3'-4' - Coarse Sand 4'-8' : Coarse sand 9'-10' Coarse Sand 10'-11': Yellow clay 11'-12': Purple clay 12'-16': Purple clay 16'-17': Purple clay 17'-20': Brown loam/silt			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPT5-2	Date Started: 4-30-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 4-30-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0'-2' Silty clay Light brown 2-4' Fill material 4'-8' Silty clay (Brown) with remnants of fill material 8'-12' ~~12'-16'~~ Clay light reddish brown 12'-16' Light brown/reddish clay 16'-20' Red clayey loam			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-3	Date Started: 4-30-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed:
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By:
Outer Diameter of Boring:	Drilling Subcontractor:
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-1' Black silt 1-4' Light brown silty clay 4-8' Silty brown clay 2" coarse sand 8-12': Brown clay 12'-16': Light brown clay 16'-20': Light brown clay			3.1 ppm 2.2 ppm 2.5 ppm 2.2 ppm 0.8 ppm

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Rddish brown clay			25 ppm

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-4	Date Started: 5-1-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-1-12
Air Rotary/Mud Rotary/Dual Tube/Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0'-4' : Light brown clay			0
						4'-8' : Gray clay			0
						8'-12' : Gray clay			0
						12'-14' : Gray clay 14'-16' : Light brown clay			0
						16'-20' : Light brown clay			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24'; Light brown clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-5	Date Started: 5-1-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-1-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown organic/silty clay 6"-4': Light brown clay 4'-8': Light brown clay 8'-9': ~~5'-6'~~: Light brown clay 9'-12': Grayish blue clay, potential staining observed @ 10'-11' 12-~~14~~ 16': Grayish brown clay ~~14-16~~ 16'-20': Light brown clay			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-~~24~~ 23': Light loam clay 23'-24': Clayey Loam			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-6	Date Started: 5-1-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-1-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0'-4': Silty brown clay			0
						4'-8': Brown clay			0
						8'-12': Light brown clay with some gray			0
						12'-16': Dark/Reddish brown clay			0
						16'-20': Light brown clay with dark black streaks			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24': Gray clay with brown streaks			0
						24-28': Gray / Brown clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-7	Date Started: 5-1-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-1-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0'-4': Brown silty clay			0
						4'-8': No recovery			NA
						8'-12': Brown clay			0
						12'-14': Tan/gray clay 14'-16': Gray clay			0
						20'-22': Gray clay 22-24': Brown/gray clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						24'-28': Brown/gray clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-8	Date Started: 5-1-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-1-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: SH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Asphalt + rock material 6"-4': DK brown silty clay			∅
						4'-8': Brown clay			∅
						8'-12': Dark brown clay with gray streaks			∅
						12'-~~14~~ 16': Gray clay ~~14-16': SH~~			∅
						16'-20': Brown/gray clay			∅

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24': Brown clay with gray streaking 24-28': Brown clay with black streaking			0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPT S-9	Date Started: 5-1-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-1-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor:
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Asphalt / fill material 6"-4': Brown clay / remnants of fill 4'-6': Brown clay w/ reddish streaks 6'-8': Grayish brown clay 8'-12': Grayish brown clay 12'-16': Grayish brown clay 16'-20': Brown / red clay			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24': Grayish brown clay			0
						24-28': Brown clay with dark mottling			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-10	Date Started: 5-1-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-1-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0'-4': Poor recovery approximately 2' of fill/asphalt & sand.			0
						4'-8': Poor recovery. Coarse sand/fill in top 6". Below (approx. 1') brown clay			0
						8'-12': Brown clay			0
						12'-14': Brownish gray clay			0
						14'-16': Grayish brown clay			0
						16-20': Gray clay with dark mottling			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24' ~~24'-28'~~: Grayish brown clay with mottling in upper 2' 24'-28': Grayish brown clay 27'-28': Brown clay, moisture observed in bottom half of core.			0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPT S-12	Date Started: 5-2-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-2-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-1': Asphalt gravel & fill 1-2.5': Black Silty clay 2.5-3.5': Coarse sand 3.5-4': Brown clay			0
						4'-8': Brown clay			0
						8'-12': Brown clay with gray streaks			0
						12-16': Brown/reddish clay with dark mottling.			0
						16'-20': Reddish brown clay with dark mottling			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24': Red clay with dark mottling			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-13	Date Started: 5-2-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-2-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-1': Asphalt, gravel + fill. 1'-4': Brown clay			0
						4'-8': Brown clay			0
						8'-12': Brown clay with some dark mottling			
						12'-16': Brown clay with dark mottling throughout.			
						16'-20' Reddish brown clay with streaking + mottling.			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Dark red clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-14	Date Started: 5-2-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-2-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0'-4': Poor Recovery. Asphalt + Gravel			NA
						4'-8': Dark ~~silty~~ JH clay. ~~To clay~~ JH			0
						8-11.5': Dark brown clay			
						11.5-12' Grayish brown clay. Some discoloring visible			0.9
						12'-16': Gray clay			~~2.8~~ 2.8-9.
						16'-18': Grayish clay. PID hit of 1.2			
						18'-20': Brownish gray clay. PID ≈ 0.3			0.3-1.

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24': Reddish brown clay 24'-28': Brown to loamy clay-loam			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPT5-15	Date Started: 5-2-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-2-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						0'-4': Poor recovery, asphalt/gravel			NA 0
						4'-8': Poor recovery, gravel			0
						8'-12': Brown clay PID hit of 0.9 in the top foot.			0-0.9
						12'-16': Brown clay			0
						16'-20': Brown clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24': Brown clay			0
						24-28': Brown clay			0
						28-32': Brown clay.			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-16	Date Started: 5-2-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-2-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						Poor Recovery, 0-1': Brown silty clay- clay 1'-2': Gravel Poor recovery 4'-4.5' = Gravel 4.5'-8': Brown clay 8'-12': Brown clay 12'-16': Brown clay 16'-20': Brown clay wet with dark streaks			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24': Brown clay. Dark streaks in top 3.5' of core 24'-27': Brown clay 27'-28': Brown loamy clay			~~0~~ 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-17	Date Started: 5-2-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-2-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0'-4': Brown clay Top 4" has a mix of small gravel 4'-5': Brown clay 5'-7': Dark gray clay 7'-8': Brownish gray clay 8'-12': Brown clay 12'-16': Brown clay 16'-20': Brown clay			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Reddish brown clay			0
						24-28': Brown loam			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: APTS-18	Date Started: 5-2-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-2-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0'-6": Asphalt/gravel 6"-2.5': Gravel → Sand 2.5'-4' Brown clay 4-8': Brown clay 8-12': Brown clay 12-16': Brown clay 16-20': Reddish Brown Clay			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-19	Date Started: 5-2-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed:
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By:
Outer Diameter of Boring:	Drilling Subcontractor:
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Organic black soil 6"-1.5': Gravel-Sand 1.5'-4': Brown clay 4-8': Brown Clay 8-12': Brown clay 12'-16': Reddish brown clay 16'-20': Reddish clay			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-20	Date Started: 5-2-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-2-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JTH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-2': Asphalt / gravel / sand 2'-4': Dark brown clay 4-8': Brown clay 8-12': Brown clay 12-16': Brown clay with gray streaks 16'-20': Brown clay with gray towards the bottom 1'. Dark mottling throughout			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay			9

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-21	Date Started: 5-3-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-3-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark organic silty clay 6"-1': Coarse gravel 1'-4': Brown Clay 4-8': Brown clay with grayish tint 8'-12': Brown clay, some dark streaking & mottling present. 12'-16': Brown clay, some dark streaking & mottling present. 16'-20': Brown clay			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: APTS-22	Date Started: 5-3-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-3-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown silty clay. 6"-4': Poor recovery / Gravel + silty clay			0
						4'-8': Grayish clay in top 1'. ~5-8' Brown clay			0
						8-12': Reddish brown clay			0
						12-16: Grayish brown clay			0
						16'-20': Brown clay with gray streaks			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPT5-23	Date Started: 5-3-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-3-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-4': Poor recovery, Asphalt, gravel silty clay & fill material			0
						4-8': Brown clay, remnants of gravel			0
						8-12': Brown clay with black streaks & mottling			0
						12'-16': Brown clay with black mottling			0
						16'-20': Light grayish brown clay with dark mottling,			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPT5-24	Date Started: 5-3-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-3-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Organic black silty clay 6"-4': Light brown clay			0
						4-8: Brown clay			0
						8-12': Brown clay			0
						12-14': Brown clay into gray 14-16': Dark gray-gray clay			0
						16-20': Brownish gray clay with dark mottling			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay with dark streaks & mottling			0
						24-27.5': Red clay with dark streaks & mottling.			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPT5-25	Date Started: 5-3-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-3-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Organic dark brown silty clay 6"-4': Brown clay 4-8': Brown clay 8-12': Light brown clay 12'-16': Light brown clay, some dark streaking & mottling 16'-20': Reddish brown clay with streaking & mottling			Ø Ø Ø Ø

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-26	Date Started: 5-3-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-3-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-4: Poor recovery, silty clay asphalt gravel 4-8: Poor recovery, gravel & fill			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-27	Date Started: 5-3-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-3-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown organic silty clay 6"-1.5': Gravel 1.5'-4' Brown clay 4-8': Brown clay 8-12': Brown clay 12'-16': Brown clay 16'-20': Brown clay			Ø Ø Ø Ø

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20'-24': Reddish brown clay with black streaking 24-27': Reddish brown clay			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-28	Date Started: 5-3-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-3-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-4': Asphalt + gravel in top 1' 1'-3.5': Gravel + fill 3.5'-4': stained gray clay 4-5': Gray impacted clay 5-8': Brown clay 8-12': Brown clay 12-16': Brown clay			52.1 (asphalt) 3.1 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-29	Date Started: 5-3-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-3-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-4': Poor recovery, asphalt + gravel			NA
						4-5': Brown clay			0
						5-5.5': coarse sand			
						5.5-8': Brown clay			
						8-12': Brown clay with dark streaks			
						12-16' Reddish brown clay			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-30	Date Started: 5-4-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-4-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark organic silty clay 6"-2.5': Dark silty clay / fill material 2.5'-4': Silty clay, dark brown 4-8': Clayey silt, dark brown, remnants of fill. 8-12' Poor Recovery: Clay dark brown, gravel 12-16': Brown clay 16-20': Brown clay			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay with dark streaking			9

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-31	Date Started: 5-4-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-4-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark Brown organic silty clay			0
						6"-4': Dark brown silty clay			
						4'-8': Brown clay			0
						8'-10': Grayish black clay possibly impacted			0
						10-12': Brown cl clay with gray streaks			
						12-16': Brown clay with gray streaks			0
						16'-20': Brown clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay with dark streaks			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPT5-32	Date Started: 5-4-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-4-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-8": Organic silty clay 8"-1': Gravel 1-4': Brown silty clay			0
						4-7.5': Brown clay 7.5-8': Gravel/sand			9.1
						8-12': Brown clay with dark streaks & grayish hue			0
						12-16: Brownish gray clay with dark streaking			0
						16-20': Brown clay with dark streaking			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay with dark streaks.			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: APTS-33	Date Started: 5-4-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-4-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Asphalt fill + gravel 6"-1.5': Gravel sand & fill with silty clay 1.5-2.5': Gray fine sands 2.5-4': Dark gray silty sand / fill 4-8': Brown clay 8-12': Brown clay with dark streaking ~~12-16~~: 12-15': Brown clay with dark streaky 15-16': Red clayey loam 16-20': Red clayey loam			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-34	Date Started: 5-4-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-4-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Gravel/asphalt 6"-2.5': Gray silty clay 2.5'-4': Gravel/fill			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPT5-35	Date Started: 5-4-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-4-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: SH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown silty clay 6"-4': Brown clay 4-8': Brown clay 8-12': Brown clay with dark streaking & mottling 12-14: Brown clay with dark streaking & mottling 14-16': Reddish brown clay with dark streaking & mottling 16'-17': Reddish brown clay with dark streaking 17-20': mottled Reddish brown clayey loam			⊘

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPT5-36	Date Started: 5-4-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-4-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown organic silty clay 6"-3': Brown silty clay 3-4': Gravel / sand 4-8': Brown clay 8-12': Brown clay with dark streaking 12-16': Grayish brown clay with dark brown streaking			

Sheet _____ of _____

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-37	Date Started: 5-4-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-4-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.B. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown silty clay 6" - 1.5': Light brown clay 1.5 - 3.0': Clay with lots rubble 3-4': Gravel & Brick with clay 4-8': Brown clay 8-12': Brown clay with moisture 12-16': Brown clay with dark brown streaking 16-20': Brown clay with some black mottling & streaking			ϕ ϕ ϕ ϕ ϕ

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: APTS-38	Date Started: 5-7-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-7-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown organic silty clay 6"-1.5': Brown clay 1.5-2.5': Gravelly sand with clay 2.5-4': Brown clay 4'-8': Brown clay 8-12': Brown clay 12'-16': Brown clay with some dark streaking 16-20': Brown clay with dark streaking			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Light brown clay with dark streaking			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPT5-39	Date Started: 5-7-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-7-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown organic silty clay, 6"-4': Brown clay 4-8': Brown clay 8-12': Brown clay, some gray in the 10-12' range ~~12-16'~~: 12-13': Brown clay 13'-16': Gray clay 16'-20': Light brown clay			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay with dark streaking			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-410	Date Started: 5-7-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-7-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-4': Poor recovery; approximately 1.5' recovered all brown clay 4-8': Brown clay 8-12': Light gray clay 12'-16': Light gray clay 16-20': Brown clay			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay			0
						24-28': Brownish gray clay.			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-41	Date Started: 5-7-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-7-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-4: Poor recovery. Top 2' is brown clay Bottom 1' is sand/concrete/gravel mix Refusal ↓			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPT5-42	Date Started: 5-7-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-7-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-1': Dark brown silty clay 1-2': Silty brown clay with gravel 2-4': Brown clay 4-8': Brown clay with dark streaking 8-12': Grayish brown clay 12-13': Brown clay with streaking 13-14': Red clay 14-16': Reddish brown clay 16-20': Reddish brown clay with dark streaking			0 0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-43	Date Started: 5-7-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-7-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor:
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown organic silty clay 6"-1.5': Dark brown silty clay 1.5-4' Brown clay 4-8': Brown clay 8-11': Reddish brown clay 11-12': Reddish loamy clay 12-16: Poor recovery, red loamy clay			

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:
Bldg./Site:
Project Name:

Boring Number: DPTS-44	Date Started: 5-9-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-9-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JTK
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-6": Dark brown silty clay 6"-1': Red brick material / fill 1-4': Brown clay 4-6': Brown clay 6-8': Reddish brown clay with dark streaks 8-12': Light brown clay with reddish/dark streaking 12-16': Grayish brown clay with dark streaking & mottling 16'-20': Grayish brown clay with dark mottling			0 0 0 0 0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brownish gray clay			0
						24-28': Brown clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPT5-45	Date Started: 5-9-12
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-9-12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-4': Poor recovery 1-2' of light brown clay gravel a fill 4-5': Brown clay with remnants of gravel 5-8': Brown clay 8-12': Brown clay 12-13': Brown clay 13-15': Black clay possibly impacted 15-16': Gray clay 16-18': Gray clay with dark mottling 18-20': Brown clay with dark streaking			ϕ

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24': Brown clay with dark streaking			0
						24-28': 24-26': Brownish gray clay, 26-28': Brown clay			0
						28-32': Brownish gray clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Boring Number: DPTS-47	Date Started: 5-9-17
Drilling Method: (*Circle one*) HSA Continuous Core/GeoProbe/Hand Auger	Date Completed: 5-9-17
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: JH
Outer Diameter of Boring:	Drilling Subcontractor: Roberts
Inner Diameter of Well Casing:	Driller:
Depth to Water (ft./bgs.)	Location Sketch:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-3': Asphalt/Gravel/Silty clay/fill material			0
						3-4': Brown clay with remnants of fill			
						4-8': Poor recovery			0
						~~5-7'~~: 8-10': Brown clay			
						10'-12': Brownish gray clay			0
						12-14': Gray clay			
						14-16': Dark gray clay			0
						~~16-20'~~: 16-18': Gray clay			
						18-20': Brownish gray clay			0

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

CTO:

Bldg./Site:

Project Name:

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						20-24: Reddish brown clay with dark streaking.			0

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
WELLHEAD PROTECTION SECTION

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY REF NO. 449800	DATE RECEIVED
C.R. NO.	CHECK NO.
STATE WELL NUMBER	REVENUE NO.
ENTERED Ph1 Ph2 Ph3	APPROVED BY / ROUTE

INFORMATION SUPPLIED BY WELL OR PUMP INSTALLATION CONTRACTOR

OWNER NAME	TELEPHONE NUMBER WITH AREA CODE
US General Services Administration	314- 263 - 3002

OWNER ADDRESS	CITY	STATE	ZIP CODE
4300 Goodfellow Blvd.	St. Louis	MO	63120
ADDRESS OF WELL SITE (IF DIFFERENT THAN ABOVE)	CITY	STATE	ZIP CODE
-same-	St. Louis	MO	63120

SITE NAME	WELL NUMBER	INFORMATION VERIFIED BY OWNER SIGNATURE (WELL OWNER)	DATE
Goodfellow Federal Center			

SMALLEST ¼ LARGEST ¼ ¼
Sec. Township North Range ☐ East ☐ West

LOCATION OF WELL
LAT. 38 ° 41 ' 26.60 "
LONG. 90 ° 15 ' 56.70 "

AREA 1
ELEV
COUNTY: St. Louis (City)

WELL CERTIFICATION NUMBER (IF APPLICABLE)

VARIANCE NUMBER (IF APPLICABLE)

ABANDONMENT INFORMATION

FORMER USE OF WELL
☐ Hand Dug ☐ Irrigation
☐ Domestic ☒ Soil Boring/Geoprobe
☐ Multi-Family ☐ Monitoring
☐ Public Water Supply ☐ Heat Pump
☐ Mineral Exploratory Test Hole
☒ Other Piezometers

ORIGINAL DRILLER (IF KNOWN)	DATE ORIGINALLY DRILLED (IF KNOWN)	STATIC WATER LEVEL
Roberts Env.Drilling	4/30 - 5/9/2012	-----

DEPTH OF THE WELL	LENGTH OF CASING	CASING DIAMETER	DRILL HOLE DIAMETER (IF KNOWN)
1094' * (SEE BELOW)	188' ** (SEE BELOW)	1.00 IN.	2.75 IN.

PUMP REMOVED FROM WELL?	WAS THE CASING CUT OFF THREE FEET BELOW GROUND SURFACE	TYPE OF CASING
☐ Yes ☐ No N/A	☐ Yes ☐ No ☒ Removed	☒ Plastic ☐ Concrete ☐ Steel ☐ Other ___

GROUT INSTALLATION METHOD	GROUT MATERIAL USED	HOW MANY GALLONS OF WATER MIXED PER BAG OF CEMENT OR BENTONITE?	NUMBER OF BAGS OF GROUT USED
☒ Gravity ☐ Tremie ☐ Excavation	Neat Cement Bentonite ☐ Hi-Early ☐ Slurry ☒ Granular ☐ Pellets ☐ Type 1 ☐ Chips ☐ Other ___	5	56
			POUNDS OF GROUT PER BAG: 50

TYPE OF FILL MATERIAL USED	AMOUNT OF FILL MATERIAL USED	DEPTH TO TOP OF FILL MATERIAL FROM THE SURFACE
☐ Gravel ☐ Ag-Lime ☐ Sand ☐ Other ___	___ ☐ Cu. Yds. ☐ Tons	

MULTIPLE WELLS: ☒ Yes ☐ No

WAS THE WELL ABANDONED BECAUSE OF HOOKING UP TO A PUBLIC OR RURAL WATER SUPPLY DISTRICT? ☐ Yes ☐ No
IF YES, PROVIDE THE NAME OF THE WATER DISTRICT: N/A

WELL CHLORINATED BEFORE PLUGGING? ☐ Yes ☐ No

AMOUNT USED FOR THE CHLORINATION
☐ Gallons of Chlorine ___
☐ Pounds of Chlorine ___
☐ Tablets of Chlorine ___

DATE WELL WAS PLUGGED: 4/30 - 5/9/2012

REMARKS
REDI JOB# 122056-G

REASON WELL WAS PLUGGED *
3 @ 4' 3 @ 8' 1 @ 12' 4 @ 16'
8 @ 20' 11 @ 24' 2 @ 27' 9 @ 28'
2 @ 32'
** PIEZOMETERS:
1 @ 16' 2 @ 20' 2 @ 24' 3 @ 28'

I hereby certify that the well herein described was plugged in accordance with the Department of Natural Resources requirements for the plugging of wells.

SIGNATURE (PRIMARY CONTRACTOR)	PERMIT NUMBER	SIGNATURE (CONTRACTOR)	PERMIT NUMBER	DATE
(b) (6)	001148 WPA	(b) (6)	4440 WPAH	6/28/12
SIGNATURE (APPRENTICE) (b) (6)	PERMIT NUMBER 005003-M			

MO 780-1603 (06-09) RETURN COMPLETED FORM TO WELLHEAD PROTECTION SECTION, P.O. BOX 250, ROLLA, MO 65402 573-368-2165

This page intentionally left blank.

APPENDIX D

FIELD LOG BOOK

This page intentionally left blank.