APPENDIX D-3

FFOR Shallow Soil Boring Logs

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Boring ID: DP001

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541155.05
X Coordinate: 1473524.55

Boring Diameter (in.): 3
Date Completed: 6/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0001	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0930 on 6/18/11.
5							
		FFOR0002 FFOR0003	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.		
10							
		FFOR0004 FFOR0004-MS FFOR0004-MSD	0.0		Same as above (5 ft); reddish brown (5YR 5/3); increase in clay content.	ML	
15							
		FFOR0005	0.0		Same as above (5 ft); reddish brown (5YR 5/3); increase in clay content.		
20							
		FFOR0006	0.0		Same as above (5 ft); reddish brown (5YR 5/3); increase in clay content.		Total Depth = 21 ft. Reached @ 0951 on 6/18/11.
25							
30							

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Boring ID: DP002

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541155.10
X Coordinate: 1473519.63

Boring Diameter (in.): 3
Date Completed: 6/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0007	0.0		Sandy SILT (ML); reddish brown (5YR 4/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand.		Began drilling @ 1007 on 6/18/11.
5							
	■	FFOR0008	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.		
10							
	■	FFOR0009	0.0		Same as above (5 ft); reddish brown (5YR 4/3); no odor.	ML	
15							
	■	FFOR0010	0.0		Same as above (5 ft); increase in clay content.		
20							
	■	FFOR0011	0.0		Same as above (5 ft); increase in clay content.		
							Total depth = 21 ft. Reached total depth @ 1020 on 6/18/11.
25							
30							

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Boring ID: DP003

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541155.14
X Coordinate: 1473514.57

Boring Diameter (in.): 3
Date Completed: 6/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0012	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; trace coarse sand; no odor.		Began drilling @ 1035 on 6/18/11.
5							
		FFOR0013	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.		
10							
		FFOR0014 FFOR0015	0.0		Same as above (5 ft); reddish brown (5YR 4/3); no odor.	ML	
15							
		FFOR0016	0.0		Same as above (5 ft); reddish brown (5YR 4/3); no odor; increase in clay content.		
20							
		FFOR0017	0.0		Same as above (5 ft); reddish brown (5YR 4/3); 90% silt and clay; 10% very fine sand; no odor.		Total depth = 21 ft. Reached total depth @ 1100 on 6/18/11.
25							
30							

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Boring ID: DP004

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541165.08
X Coordinate: 1473524.60

Boring Diameter (in.): 3
Date Completed: 6/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0018	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel; no odor.		Began drilling @ 1248 on 6/18/11.
5							
	■	FFOR0019	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
	■	FFOR0020	0.0		Same as above (5 ft); reddish brown (5YR 4/4); no odor.		
15							
	■	FFOR0021	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% very fine sand; no odor.	CL	
20							
	■	FFOR0022	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	Total depth = 21 ft. Reached total depth @ 1303 on 6/18/11.
25							
30							

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Boring ID: DP005

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541165.08
X Coordinate: 1473519.58

Boring Diameter (in.): 3
Date Completed: 6/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0023 FFOR0023-MS FFOR0023-MSD	0.0		SILT with SAND (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1317 on 6/18/11.
5							
		FFOR0024	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand.		
10							
		FFOR0025	0.0		Same as above (5ft); reddish brown (5YR 4/4); trace coarse sand.	ML	
15							
		FFOR0026	0.0		Same as above (5ft); reddish brown (5YR 4/4); trace coarse sand; increasing clay content.		
20							
		FFOR0027 FFOR0028	0.0		Same as above (5ft); reddish brown (5YR 4/4); trace coarse sand.		Total depth = 21 ft. Reached total depth @ 1333 on 6/18/11.
25							
30							

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Boring ID: DP006

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541165.14
X Coordinate: 1473514.58

Boring Diameter (in.): 3
Date Completed: 6/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0029	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 85% silt; 15% fine to medium sand; no odor.		Began drilling @ 1352 on 6/18/11.
5							
	■	FFOR0030	0.0		Same as above (0 ft); light reddish brown (5YR 6/3); no odor.	ML	
10							
	■	FFOR0031	0.0		Same as above (0 ft); 85% silt; 15% fine to coarse sand; trace gravel.		
15							
	■	FFOR0032	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; firm; medium plasticity; 90% clay; 10% fine sand; no odor.	CL	
20							
	■	FFOR0033	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 85% silt; 15% fine to coarse sand; trace gravel; no odor.	ML	Total depth = 21 ft. Reached total depth @ 1412 on 6/18/11.
25							
30							

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Boring ID: DP007

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541166.15
X Coordinate: 1473519.56

Boring Diameter (in.): 3
Date Completed: 6/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							Began drilling @ 0750 on 6/19/11.
	■	FFOR0034	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% very fine to very coarse sand; no odor.		
5							
	■	FFOR0035	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 85% silt; 15% fine to medium sand; no odor.		
10							
	■	FFOR0036 FFOR0037	0.0		Same as above (5 ft); reddish brown (5YR 5/3); 90% silt; 10% very fine sand; no odor.	ML	
15							
	■	FFOR0038	0.0		Same as above (5 ft); reddish brown (5YR 5/3); 90% silt; 10% very fine sand; no odor; increase in clay content and plasticity.		
20							
	■	FFOR0039	0.0		Same as above (5 ft); reddish brown (5YR 5/3); 90% silt; 10% very fine sand; no odor; increase in clay content and plasticity.		Total depth = 21 ft. Reached total depth @ 0811 on 6/19/11.
25							
30							

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Boring ID: DP008

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541171.09
X Coordinate: 1473524.58

Boring Diameter (in.): 3
Date Completed: 6/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0040	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel; no odor.		Began drilling @ 0825 on 6/19/11.
5							
		FFOR0041	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 85% silt; 15% fine to medium sand; trace coarse sand; no odor.	ML	
10							
		FFOR0042	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% very fine sand; no odor.		
15							
		FFOR0043	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; firm; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
20							
		FFOR0044	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% very fine sand; no odor.	ML	Total Depth = 21 ft. Reached @ 0850 on 6/19/11.
25							
30							

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Boring ID: DP009

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541171.07
X Coordinate: 1473519.60

Boring Diameter (in.): 3
Date Completed: 6/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0045	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 0907 on 6/19/11.
5							
	■	FFOR0046	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 85% silt; 15% fine sand; trace gravel; no odor.	ML	
10							
	■	FFOR0047 FFOR0047-MS FFOR0047-MSD	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 95% silt; 5% very fine sand; no odor.		
15							
	■	FFOR0048	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; firm; medium plasticity; 90% clay and silt; 10% very fine sand; no odor.	CL	
20							
	■	FFOR0049 FFOR0050	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 95% silt; 5% very fine sand; no odor.	ML	Total Depth = 21 ft. Reached @ 0930 on 6/19/11.
25							
30							

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Boring ID: DP010

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541171.12
X Coordinate: 1473514.60

Boring Diameter (in.): 3
Date Completed: 6/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0051 FFOR0052	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 85% silt; 15% fine to medium sand; no odor.		Began drilling @ 0944 on 6/19/11.
5							
		FFOR0053	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 85% silt; 15% fine to medium sand; no odor.		
10							
		FFOR0054	0.0		Same as above (5 ft); increasing clay content.	ML	
15							
		FFOR0055	0.0		Same as above (5 ft); increasing clay content; trace gravel.		
20							
		FFOR0056	0.0		Same as above (5 ft); increasing clay content.		
							Total Depth = 21 ft. Reached @ 1005 on 6/19/11.
25							
30							

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Boring ID: DP011

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541176.06
X Coordinate: 1473519.58

Boring Diameter (in.): 3
Date Completed: 6/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0057	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to medium sand; trace coarse sand; no odor.		Began drilling @ 1020 on 6/19/11.
5							
		FFOR0058 FFOR0059	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; trace coarse sand; no odor.	ML	
10							
		FFOR0060 FFOR0060-MS FFOR0060-MSD	0.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing clay content.		
15							
		FFOR0061	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% very fine sand.	CL	
20							
		FFOR0062	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine sand; trace coarse sand; no odor.	ML	Total Depth = 21 ft. Reached @ 1040 on 6/19/11.
25							
30							

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Boring ID: DP012

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541185.09
X Coordinate: 1473524.62

Boring Diameter (in.): 3
Date Completed: 6/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0063	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1250 on 6/19/11.
5							
	■	FFOR0064	0.0		SILT (ML); light reddish brown (5YR 6/3); dry; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR0065	0.0		Same as above (5 ft); reddish brown (5YR 5/3); moist.	ML	
15							
	■	FFOR0066	0.0		Same as above (5 ft); reddish brown (5YR 5/3); moist; increasing clay content.		
20							
	■	FFOR0067	484.0		Same as above (5 ft); reddish brown (5YR 5/3); moist; increasing clay content; very strong hydrocarbon odor.		Total Depth = 21 ft. Reached @ 1320 on 6/19/11.
25							
30							

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Boring ID: DP013

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541185.10
X Coordinate: 1473519.65

Boring Diameter (in.): 3
Date Completed: 6/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0068	1.2		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand.		Began drilling @ 1344 on 6/19/11.
5							
		FFOR0069	1.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand.		
10							
		FFOR0070 FFOR0071	0.0		Same as above (5 ft); reddish brown (5YR 5/3); trace gravel.	ML	
15							
		FFOR0072	0.0		Same as above (5 ft); reddish brown (5YR 5/3); firm; trace gravel.		
20							
		FFOR0073	681.0		Same as above (5 ft); reddish brown (5YR 5/3); firm; trace gravel; strong hydrocarbon odor.		Total Depth = 21 ft. Reached @ 1405 on 6/19/11.
25							
30							

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Boring ID: DP014

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541185.13
X Coordinate: 1473514.67

Boring Diameter (in.): 3
Date Completed: 6/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0074	0.8		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 25% fine to coarse sand; 5% gravel; no odor.		Began drilling @ 1420 on 6/19/11.
5							
	■	FFOR0075	0.3		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR0076	0.0		Same as above (5 ft); reddish brown (5YR 5/3); increasing clay content.	ML	
15							
	■	FFOR0077	0.1		Same as above (5 ft); reddish brown (5YR 5/3); increasing clay content.		
20							
	■	FFOR0078	502.0		Same as above (5 ft); reddish brown (5YR 5/3); increasing clay content; strong hydrocarbon odor.		Total Depth = 21 ft. Reached @ 1440 on 6/19/11.
25							
30							

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Boring ID: DP015

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541195.11
X Coordinate: 1473524.65

Boring Diameter (in.): 3
Date Completed: 6/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0079 FFOR0079-MS FFOR0079-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 4/3); dry; soft; low plasticity; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0805 on 6/20/11.
5							
		FFOR0080	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.		
10							
		FFOR0081	2.2		Same as above (5 ft); reddish brown (5YR 5/3); trace gravel (non-native).	ML	
15							
		FFOR0082	0.7		Same as above (5 ft); reddish brown (5YR 5/3); trace gravel (non-native); increasing clay content.		
20							
		FFOR0083 FFOR0084	4022.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% fine sand; trace gravel (non-native); increasing clay content; very strong hydrocarbon odor.		Total Depth = 21 ft. Reached @ 0820 on 6/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP016

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541195.02
X Coordinate: 1473519.59

Boring Diameter (in.): 3
Date Completed: 6/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0085	1.1		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 0845 on 6/20/11.
5							
		FFOR0086	0.1		SILT (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.		
10							
		FFOR0087	0.0		Same as above (5 ft).	ML	
15							
		FFOR0088	3.8		Same as above (5 ft); increasing clay content.		
20							
		FFOR0089	4083.0		Same as above (5 ft); increasing clay content; very strong odor.		
							Total Depth = 21 ft. Reached @ 0910 on 6/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP017

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541195.00
X Coordinate: 1473514.60

Boring Diameter (in.): 3
Date Completed: 6/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0090	0.6		Sandy SILT (ML); reddish brown (5YR 4/3); dry; soft; nonplastic; 70% silt; 30% fine to medium sand; no odor.		Began drilling @ 0930 on 6/20/11.
5							
	■	FFOR0091	0.3		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 85% silt; 15% fine to coarse sand; no odor.		
10							
	■	FFOR0092 FFOR0093	0.1		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
15							
	■	FFOR0094	0.4		Same as above (10 ft); increasing clay content.		
20							
	■	FFOR0095	4199.0		Same as above (10 ft); increasing clay content; very strong hydrocarbon odor.		Total Depth = 21 ft. Reached @ 0950 on 6/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP018

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541205.01
X Coordinate: 1473524.69

Boring Diameter (in.): 3
Date Completed: 6/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0096	1.9		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1015 on 6/20/11.
5							
	■	FFOR0097	5.7		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.		
10							
	■	FFOR0098	1473.0		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 85% silt; 10% fine to coarse sand; 5% gravel to 1cm; hydrocarbon odor.	ML	
15							
	■	FFOR0099	2470.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt and clay; 5% fine sand; hydrocarbon odor.		
20							
	■	FFOR0100	4230.0		Same as above (15 ft); strong hydrocarbon odor.		Total Depth = 21 ft. Reached @ 1035 on 6/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP019

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541204.99
X Coordinate: 1473519.63

Boring Diameter (in.): 3
Date Completed: 6/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0101	1.9		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 60% silt; 35% very fine to very coarse sand; 5% gravel to 1cm; no odor.		Began drilling @ 1104 on 6/20/11.
5							
	■	FFOR0102	0.3		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR0103 FFOR0103-MS FFOR0103-MSD	87.3		Same as above (5 ft); reddish brown (5YR 4/4); slight odor.	ML	
15							
	■	FFOR0104	3646.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing clay content; strong hydrocarbon odor.		
20							
	■	FFOR0105 FFOR0106	3804.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing clay content; very strong hydrocarbon odor.		Total Depth = 21 ft. Reached @ 1210 on 6/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP020

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541205.08
X Coordinate: 1473514.63

Boring Diameter (in.): 3
Date Completed: 6/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0107 FFOR0108	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% very fine to very coarse sand; no odor.		Began drilling @ 0755 on 6/21/11.
5							
		FFOR0109	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% very fine sand; no odor.	ML	
10							
		FFOR0110	3.4		Lean CLAY with Sand (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 85% clay and silt; 15% fine sand; slight odor.		
15							
		FFOR0111	3748.0		Same as above (10 ft); very strong hydrocarbon odor.	CL	
20							
		FFOR0112	4120.0		SILT (ML); reddish brown (5YR 4/3); moist; soft; low plasticity; 90% silt and clay; 10% fine sand; no odor.	ML	Total Depth = 21 ft. Reached @ 0830 on 6/21/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP021

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541214.99
X Coordinate: 1473524.66

Boring Diameter (in.): 3
Date Completed: 6/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0113	206.0		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 85% silt; 15% fine sand; no odor.		Began drilling @ 0845 on 6/21/11.
5							
		FFOR0114 FFOR0115	123.0		Same as above (0 ft); slight odor.		
10						ML	
		FFOR0116 FFOR0116-MS FFOR0116-MSD	897.0		Same as above (0 ft); reddish brown (5YR 4/4); increasing clay content; trace gravel (non-native); very strong hydrocarbon odor.		
15							
		FFOR0117	1796.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; very strong odor.	CL	
20							
		FFOR0118	2691.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 85% silt and clay; 15% fine to medium sand; very strong odor.	ML	Total Depth = 21 ft. Reached @ 0915 on 6/21/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP022

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541215.07
X Coordinate: 1473519.68

Boring Diameter (in.): 3
Date Completed: 6/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0119	2.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 0920 on 6/21/11.
5							
	■	FFOR0120	552.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 95% silt; 5% fine sand; strong odor.	ML	
10							
	■	FFOR0121	1508.0		Same as above (5 ft); 90% silt; 10% fine to coarse sand; strong odor.		
15					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; very strong odor.	CL	
	■	FFOR0122	2088.0				
20					SILT with Sand (ML); reddish brown (5YR 4/3); moist; soft; low plasticity; 85% silt and clay; 15% fine to medium sand.	ML	
	■	FFOR0123	2075.0				
25							Total Depth = 21 ft. Reached @ 0940 on 6/21/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP023

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541215.04
X Coordinate: 1473514.67

Boring Diameter (in.): 3
Date Completed: 6/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0124	2.9		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 1010 on 6/21/11.
5							
		FFOR0125	18.8		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt and clay; 10% fine sand; no odor.	ML	
10							
		FFOR0126 FFOR0127	1242.0		Same as above (5 ft); increasing clay content; strong odor.		
15					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% very fine sand; trace coarse sand; strong odor.	CL	
		FFOR0128	1613.0				
20					SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt and clay; 10% fine to coarse sand; strong odor.	ML	
		FFOR0129	2479.0				
25							Total Depth = 21 ft. Reached @ 1022 on 6/21/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP024

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541225.03
X Coordinate: 1473523.69

Boring Diameter (in.): 3
Date Completed: 6/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0130	0.8		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 25% fine to coarse sand; 5% gravel; no odor.		Began drilling @ 1055 on 6/21/11.
5							
		FFOR0131	832.0		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 80% silt; 20% fine to coarse sand; strong odor.	ML	
10							
		FFOR0132	975.0		Same as above (5 ft); 80% silt; 15% fine to coarse sand; 5% gravel; strong odor.		
15					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine to medium sand; strong odor.	CL	
		FFOR0133	1319.0				
20					SILT with Sand (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 85% silt; 15% fine to medium sand.	ML	
		FFOR0134	1782.0				
25							Total Depth = 21 ft. Reached @ 1110 on 6/21/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP025

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541225.05
X Coordinate: 1473519.75

Boring Diameter (in.): 3
Date Completed: 6/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0135 FFOR0135-MS FFOR0135-MSD	467.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; strong odor.		Began drilling @ 1120 on 6/21/11.
5							
		FFOR0136	1326.0		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 85% silt; 15% fine to coarse sand; strong odor.	ML	
10							
		FFOR0137	1355.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine to medium sand.		
15						CL	
		FFOR0138	1105.0		Same as above (10 ft).		Free product noted on sample when acetate sleeve opened.
					SILT with Sand (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 85% silt; 15% fine to medium sand; very strong odor.		Possible staining in soil.
20						ML	
		FFOR0139	1858.0				
							Total depth = 21 ft. Reached total depth @ 1145 on 6/21/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP026

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541225.06
X Coordinate: 1473514.77

Boring Diameter (in.): 3
Date Completed: 6/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0141	292.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to medium sand; trace gravel; strong odor.		Began drilling @ 1310 on 6/21/11.
5							
	■	FFOR0142	1350.0		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 85% silt; 10% fine to coarse sand; 5% gravel; subrounded; strong odor.	ML	
10							
	■	FFOR0143	1400.0		Same as above (5 ft).		
15					Lean CLAY with Sand (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 85% silt; 15% fine sand; no odor.	CL	
	■	FFOR0144	1608.0				
20					SILT with Sand (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 85% silt; 15% fine to medium sand.	ML	Free product at clay layer. Possible staining of soil.
	■	FFOR0145	1393.0				
25							Total depth = 21 ft. Reached total depth @ 1330 on 6/21/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP027

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541235.01
X Coordinate: 1473524.68

Boring Diameter (in.): 3
Date Completed: 6/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0146	14.4		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 15% fine to coarse sand; 5% gravel to 0.7cm; subrounded; slight odor.	ML	Began drilling @ 1350 on 6/21/11.
5							
		FFOR0147	897.0		SILT (ML); light reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; trace coarse sand; strong odor.		
10					Fill; gravel.		
		FFOR0148 FFOR0149	1105.0		Lean CLAY with Sand (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 85% clay and silt; 15% very fine sand; strong odor.	CL	Free product on sample.
15							
		FFOR0150	915.0		SILT with Sand (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 85% silt; 15% fine to medium sand; strong odor.	ML	Possible staining on soil.
20							
		FFOR0151	1608.0				Total depth = 21 ft. Reached total depth @ 1410 on 6/21/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP028

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541235.03
X Coordinate: 1473519.78

Boring Diameter (in.): 3
Date Completed: 6/22/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0152	1.7		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 0805 on 6/22/11.
5							
	■	FFOR0153	790.0		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 85% silt; 15% fine to coarse sand; product odor.	ML	
10							
	■	FFOR0154	203.0		Same as above (5 ft); trace gravel; grading finer.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% very fine sand; strong odor.	CL	Clay is saturated with hydrocarbons.
15							
	■	FFOR0155	861.0				
					SILT with Sand (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 85% silt and clay; 15% fine to medium sand; strong odor.	ML	
20							
	■	FFOR0156	770.0				
							Total depth = 21 ft. Reached total depth @ 0820 on 6/22/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP029

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541235.04
X Coordinate: 1473514.69

Boring Diameter (in.): 3
Date Completed: 6/22/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0157	2.5		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 25% fine to coarse sand; 5% gravel to 1cm; subrounded; no odor.		Began drilling @ 0850 on 6/22/11.
5							
		FFOR0158	2.2		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 80% silt; 20% fine to coarse sand; trace gravel; slight odor.	ML	
10							
		FFOR0159 FFOR0159-MS FFOR0159-MSD	1447.0		Same as above (5 ft).		
					Lean CLAY with Sand (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 85% clay and silt; 15% very fine sand; strong odor.	CL	
15							
		FFOR0160	1157.0		Same as above (11 ft).		Clay is saturated with product.
					SILT (ML); yellowish red (5YR 4/6); moist; soft; medium plasticity; 90% silt; 10% fine to medium sand; strong odor.	ML	
20							
		FFOR0161 FFOR0162	1906.0				
							Total depth = 21 ft. Reached total depth @ 0900 on 6/22/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP030

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541245.04
X Coordinate: 1473524.75

Boring Diameter (in.): 3
Date Completed: 6/22/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0163 FFOR0164	2.6		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 25% fine to coarse sand; 5% gravel to 1cm; subrounded; very slight odor.		Began drilling @ 0935 on 6/22/11.
5							
		FFOR0165	2.9		SILT (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 90% silt; 10% fine sand; very slight odor.	ML	
10							Gravel lense at 9 ft.
		FFOR0166	387.0		Same as above (5 ft); 90% silt; 5% sand; 5% gravel to 1cm; very slight odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; very strong odor.	CL	
15							
		FFOR0167	1137.0				
					SILT (ML); yellowish red (5YR 4/6); moist; soft; low to medium plasticity; 90% silt; 10% fine to medium sand; very strong odor.	ML	
20							
		FFOR0168	1772.0				
							Total depth = 21 ft. Reached total depth @ 1005 on 6/22/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP031

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541245.03
X Coordinate: 1473519.81

Boring Diameter (in.): 3
Date Completed: 6/22/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0169	1.7		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel; very slight odor.		Began drilling @ 1025 on 6/22/11.
5							
		FFOR0170 FFOR0171	13.9		SILT (ML); light brown (5YR 6/4); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; very slight odor.	ML	
10							
		FFOR0172 FFOR0172-MS FFOR0172-MSD	1076.0		Same as above (5 ft); trace gravel; very slight odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; strong odor.	CL	Visible free product.
15							
		FFOR0173	1661.0				
					SILT (ML); yellowish red (5YR 4/6); moist; soft; low to medium plasticity; 90% silt; 10% fine to medium sand; strong odor.	ML	Gravel lense at 16 ft.
20							
		FFOR0174	1108.0				
							Total depth = 21 ft. Reached total depth @ 1055 on 6/22/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP032

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541245.07
X Coordinate: 1473514.77

Boring Diameter (in.): 3
Date Completed: 6/22/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0175	1.1		Sandy SILT (ML); light brown (5YR 6/4); dry; soft; nonplastic; 70% silt; 25% fine to coarse sand; 5% gravel; no odor.		Began drilling @ 1125 on 6/22/11.
5		FFOR0176	3.3		SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine to coarse sand; trace gravel; slight odor.	ML	
10		FFOR0177	474.0		Same as above (5 ft); trace gravel; slight odor.		
15		FFOR0178	1191.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); dry; soft; medium plasticity; 90% clay and silt; 10% fine sand; strong odor.	CL	
20		FFOR0179	931.0		SILT (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 90% silt; 10% fine sand; strong odor.	ML	
25							Total depth = 21 ft. Reached total depth @ 1150 on 6/22/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP033

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541254.96
X Coordinate: 1473524.80

Boring Diameter (in.): 3
Date Completed: 6/22/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0180	0.7		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		Began drilling @ 1340 on 6/22/11.
5							
		FFOR0181	1.7		Same as above (0 ft); slight odor.	ML	
10							
		FFOR0182 FFOR0183	2.8		Same as above (0 ft); trace gravel; slight odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; very slight odor.	CL	
15							
		FFOR0184	5.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt and clay; 10% fine sand; faint odor.	ML	
20							
		FFOR0185	NR				
							Total depth = 21 ft. Reached total depth @ 1400 on 6/22/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP034

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541255.00
X Coordinate: 1473519.80

Boring Diameter (in.): 3
Date Completed: 6/22/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0186	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 1425 on 6/22/11.
5							
	■	FFOR0187	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.	ML	
10							
	■	FFOR0188	3.0		Same as above (5 ft); no odor.		
					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% clay and silt; 10% fine sand; slight odor.	CL	
15							
	■	FFOR0189	11.1				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand.	ML	
20							
	■	FFOR0190	110.0				
							Total depth = 21 ft. Reached total depth @ 1500 on 6/22/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP035

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541255.01
X Coordinate: 1473514.79

Boring Diameter (in.): 3
Date Completed: 6/22/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0191 FFOR0191-MS FFOR0191-MSD	0.2		Sandy SILT (ML); light brown (5YR 6/4); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel; no odor.		Began drilling @ 1515 on 6/22/11.
5							
		FFOR0192	0.1		SILT (ML); light brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; slight odor.	ML	
10							
		FFOR0193	0.4		Same as above (5 ft); no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; firm; medium plasticity; 90% clay and silt; 10% very fine sand; odor.	CL	
15							
		FFOR0194	21.9				
					SILT (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 90% silt; 10% fine sand; strong odor.	ML	
20							
		FFOR0195 FFOR0196	182.0				
							Total depth = 21 ft. Reached total depth @ 1600 on 6/22/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP036

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541265.02
X Coordinate: 1473524.87

Boring Diameter (in.): 3
Date Completed: 6/23/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0197	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 0805 on 6/23/11.
5		FFOR0198	1.8		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10		FFOR0199	55.5		Same as above (5 ft); no odor.		
15		FFOR0200	2428.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; strong odor.	CL	
20		FFOR0201	3291.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; very strong odor.	ML	
25							Total depth = 21 ft. Reached total depth @ 0820 on 6/23/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP037

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541265.07
X Coordinate: 1473519.86

Boring Diameter (in.): 3
Date Completed: 6/23/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0202	3.7		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 0840 on 6/23/11.
5							
	■	FFOR0203	6.2		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.	ML	
10							
	■	FFOR0204 FFOR0205	1140.0		Same as above (5 ft); no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 90% silt and clay; 10% fine sand; odor.	CL	
15							
	■	FFOR0206	3348.0				
					SILT (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
20							
	■	FFOR0207	3613.0				
							Total depth = 21 ft. Reached total depth @ 0900 on 6/23/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP038

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541265.04
X Coordinate: 1473514.80

Boring Diameter (in.): 3
Date Completed: 6/23/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0208	1.7		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 0918 on 6/23/11.
5							
	■	FFOR0209	5.3		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.	ML	
10							
	■	FFOR0210	107.7		Same as above (5 ft); trace gravel.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; strong odor.	CL	
15							
	■	FFOR0211	3424.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; strong odor.	ML	
20							
	■	FFOR0212	3288.0				
							Total depth = 21ft. Reached @ 0950 on 6/23/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP039

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541275.06
X Coordinate: 1473524.81

Boring Diameter (in.): 3
Date Completed: 6/23/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0213	1310.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% silt; 20% fine to medium sand; odor.		Began drilling @ 1015 on 6/23/11.
5							
		FFOR0214	1134.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; strong odor.	ML	
10							
		FFOR0215 FFOR0215-MS FFOR0215-MSD	3154.0		Same as above (5 ft).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); soft; medium plasticity; 90% clay and silt; 10% very fine sand; very strong odor.	CL	
15							
		FFOR0216	3010.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; strong odor.	ML	
20							
		FFOR0217 FFOR0218	2753.0				
							Total Depth = 21 ft. Reached @ 1035 on 6/23/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP040

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541275.05
X Coordinate: 1473519.83

Boring Diameter (in.): 3
Date Completed: 6/23/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0219 FFOR0220	8.5		Sandy SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 70% silt; 30% sand; no odor.		Began drilling @ 1050 on 6/23/11.
5							
	■	FFOR0221	1734.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% sand; strong odor.	ML	
10							
	■	FFOR0222	1917.0		Same as above (5 ft); strong odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% very fine sand; strong odor.	CL	
15							
	■	FFOR0223	2800.0				
					SILT (ML); light reddish brown (5YR 6/4); moist; soft; low plasticity; 90% silt; 10% fine sand; strong odor.	ML	
20							
	■	FFOR0224	3390.0				
							Total Depth = 21ft. Reached @ 1110 on 6/23/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP041

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541275.01
X Coordinate: 1473514.89

Boring Diameter (in.): 3
Date Completed: 6/24/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0225	1.5		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel; no odor.		Began drilling @ 0815 on 6/24/11.
5							
		FFOR0226 FFOR0227	54.1		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; slight odor.	ML	
10							
		FFOR0228 FFOR0228-MS FFOR0228-MSD	1570.0		Same as above (5 ft).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; strong odor.	CL	
15							
		FFOR0229	3334.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 90% silt; 10% fine sand; very strong odor.	ML	
20							
		FFOR0230	3069.0				
							Total depth = 21ft. Reached @ 0827 on 6/24/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP042

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541284.95
X Coordinate: 1473524.87

Boring Diameter (in.): 3
Date Completed: 6/24/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0231	2.3		SILT with Sand (ML); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 85% silt; 15% fine to coarse sand; no odor.		Began drilling @ 0850 on 6/24/11.
5							
	■	FFOR0232	2.0		Same as above (0 ft); reddish brown (5YR 5/3).	ML	
10							
	■	FFOR0233	1.5		Same as above (0 ft); reddish brown (5YR 5/3).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; strong odor.	CL	
15							
	■	FFOR0234	227.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; odor.	ML	
20							
	■	FFOR0235	418.0				
							Total depth = 21ft. Reached @ 0915 on 6/24/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP043

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541284.99
X Coordinate: 1473519.86

Boring Diameter (in.): 3
Date Completed: 6/24/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0236	2.0		Sandy SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel; no odor.		Began drilling @ 0925 on 6/24/11.
5							
		FFOR0237	1.5		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0238 FFOR0239	30.0		Same as above (5 ft); no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; trace gravel; strong odor.	CL	
15							
		FFOR0240	243.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; trace gravel; odor.	ML	
20							
		FFOR0241	592.0				
							Total depth = 21ft. Reached @ 0950 on 6/24/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP044

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.0
Y Coordinate: 1541284.99
X Coordinate: 1473514.86

Boring Diameter (in.): 3
Date Completed: 6/24/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0242	1.8		Sandy SILT (ML); light brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel; no odor.		Began drilling @ 1005 on 6/24/11.
5							
	■	FFOR0243	2.5		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
	■	FFOR0244	2.2		Same as above (5 ft).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% silt and clay; 10% fine sand; no odor.	CL	
15							
	■	FFOR0245	1.1				
					SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; strong odor.	ML	
20							
	■	FFOR0246	7.1				
							Total depth = 21ft. Reached @ 1020 on 6/24/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP045

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541295.04
X Coordinate: 1473524.83

Boring Diameter (in.): 3
Date Completed: 6/24/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0247 FFOR0247-MS FFOR0247-MSD	0.7		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 85% silt; 15% fine to medium sand; no odor.		Began drilling @ 1050 on 6/24/11.
5							
		FFOR0248	0.6		Same as above (0 ft); no odor.	ML	
10							
		FFOR0249	0.5		Same as above (0 ft); no odor.		
					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% clay; 10% fine sand; no odor.	CL	
15							
		FFOR0250	0.3				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
20							
		FFOR0251 FFOR0252	0.5				
							Total depth = 21 ft. Reached total depth @ 1107 on 6/24/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP046

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541295.09
X Coordinate: 1473519.82

Boring Diameter (in.): 3
Date Completed: 6/25/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							Began drilling @ 0757 on 6/25/11.
	■	FFOR0253	1.1		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; trace gravel; no odor.		
5							
	■	FFOR0254	1.5		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 85% silt; 15% fine sand; no odor.	ML	
10							
	■	FFOR0255	0.3		Same as above (5 ft); no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 90% clay and silt; 10% very fine sand; no odor.	CL	
15							
	■	FFOR0256	0.1				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
20							
	■	FFOR0257	0.1				
							Total depth = 21 ft. Reached total depth @ 0814 on 6/25/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP047

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.0
Y Coordinate: 1541295.04
X Coordinate: 1473514.85

Boring Diameter (in.): 3
Date Completed: 6/25/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0258	0.0		Sandy SILT (ML); light reddsih brown (5YR 6/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel; no odor.		Began drilling @ 0840 on 6/25/11.
5							
		FFOR0259	13.8		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0260 FFOR0261	3.7		Same as above (5 ft); no odor.		
15					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
		FFOR0262	1.2				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt and clay; 10% fine sand; no odor.	ML	
		FFOR0263	0.5				
25							Total depth = 21 ft. Reached total depth @ 0855 on 6/25/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP048

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541300.01
X Coordinate: 1473519.86

Boring Diameter (in.): 3
Date Completed: 6/25/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0264	1.1		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 0915 on 6/25/11.
5							
	■	FFOR0265	0.5		SILT with Sand (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 85% silt; 15% fine to medium sand; no odor.	ML	
10							
	■	FFOR0266	0.1		Same as above (5 ft); slight odor.		
					Lean CLAY with Sand (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 85% clay and silt; 15% fine sand; no odor.	CL	
15							
	■	FFOR0267	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt and clay; 10% fine sand; no odor.	ML	
20							
	■	FFOR0268	0.0				
							Total Depth = 21 ft. Reached total depth @ 0940 on 6/25/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP049

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541304.95
X Coordinate: 1473524.82

Boring Diameter (in.): 3
Date Completed: 6/25/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0269	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1000 on 6/25/11.
5							
		FFOR0270	0.0		Same as above (0 ft); light reddish brown (5YR 6/3).	ML	
10							
		FFOR0271 FFOR0271-MS FFOR0271-MSD	0.0		Same as above (0 ft); light reddish brown (5YR 6/3); no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
15							
		FFOR0272	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
20							
		FFOR0273 FFOR0274	0.0				Total depth = 21 ft. Reached total depth @ 1045 on 6/25/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP050

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541305.04
X Coordinate: 1473519.88

Boring Diameter (in.): 3
Date Completed: 6/25/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0275 FFOR0276	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1105 on 6/25/11.
5							
		FFOR0277	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 85% silt; 15% fine to medium sand; no odor.	ML	
10							
		FFOR0278	0.0		Same as above (5 ft).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
15							
		FFOR0279	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 90% silt and clay; 10% fine sand; no odor.	ML	
20							
		FFOR0280	0.0				
							Total depth = 21 ft. Reached total depth @ 1130 on 6/25/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP051

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.0
Y Coordinate: 1541304.99
X Coordinate: 1473514.86

Boring Diameter (in.): 3
Date Completed: 6/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0281	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 0750 on 6/27/11.
5							
		FFOR0282 FFOR0283	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0284 FFOR0284-MS FFOR0284-MSD	0.0		As above (5 ft); no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
15							
		FFOR0285	0.0				
					SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt and clay; 10% fine to medium sand; no odor.	ML	
20							
		FFOR0286	0.0				
							Total Depth = 21 ft. Reached @ 0810 on 6/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP052

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.9
Y Coordinate: 1541310.05
X Coordinate: 1473519.87

Boring Diameter (in.): 3
Date Completed: 6/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0287	0.0		Sandy SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 0830 on 6/27/11.
5							
	■	FFOR0288	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.	ML	
10							
	■	FFOR0289	22.5		As above (5 ft); no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine to medium sand; no odor.	CL	
15							
	■	FFOR0290	1.8				
					SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
20							
	■	FFOR0291	1.1				
							Total depth = 21 ft. Reached total depth @ 0855 on 6/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP053

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541315.04
X Coordinate: 1473524.88

Boring Diameter (in.): 3
Date Completed: 6/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0292	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 80% silt; 20% fine sand; no odor.		Began drilling @ 0915 on 6/27/11.
5							
		FFOR0293	0.0		SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0294 FFOR0295	0.0		As above (5 ft).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
15							
		FFOR0296	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 90% silt; 10% fine sand.	ML	
20							
		FFOR0297	0.0				
							Total depth = 21 ft. Reached total depth @ 0940 on 6/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP054

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541315.11
X Coordinate: 1473519.86

Boring Diameter (in.): 3
Date Completed: 6/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0298	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1000 on 6/27/11.
5							
	■	FFOR0299	19.4		SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine to medium sand; no odor.	ML	
10							
	■	FFOR0300	3.3		Same as above (5 ft).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 90% clay; 10% fine sand; no odor.	CL	
15							
	■	FFOR0301	0.6				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low to med plasticity; 90% silt; 10% fine to medium sand; no odor.	ML	
20							
	■	FFOR0302	0.3				
							Total depth = 21 ft. Reached total depth @ 1018 on 6/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP055

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.8
Y Coordinate: 1541315.03
X Coordinate: 1473514.81

Boring Diameter (in.): 3
Date Completed: 6/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0303 FFOR0303-MS FFOR0303-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1040 on 6/27/11.
5							
		FFOR0304	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0305	2.2		Same as above (5 ft); no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand.	CL	
15							
		FFOR0306	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% silt and clay; 10% fine to medium sand; no odor.	ML	
20							
		FFOR0307 FFOR0308	0.0				
							Total Depth = 21 ft. Reached @ 1100 on 6/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP056

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541325.09
X Coordinate: 1473524.90

Boring Diameter (in.): 3
Date Completed: 6/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0309	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 80% silt; 20% fine to coarse sand; trace gravel; no odor.		Began drilling @ 0805 on 6/28/11.
5							
	■	FFOR0310	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
	■	FFOR0311	0.0		As above (5 ft); no odor.		
15					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand.	CL	
	■	FFOR0312	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt and clay; 10% fine sand; no odor.	ML	
20							
	■	FFOR0313	NR				
25							Total depth = 21 ft. Reached total depth @ 0820 on 6/28/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP057

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541324.99
X Coordinate: 1473519.85

Boring Diameter (in.): 3
Date Completed: 6/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							Began drilling @ 0842 on 6/28/11.
		FFOR0314	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1 cm; no odor.		
5							
		FFOR0315	0.8		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.	ML	
10							
		FFOR0316 FFOR0317	0.0		Same as above (5 ft); no odor.		
					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% clay; 10% fine sand; no odor.	CL	
15							
		FFOR0318	0.0				
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	MH	
20							
		FFOR0319	0.0				
							Total depth = 21 ft. Reached total depth @ 0858 on 6/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP058

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541326.97
X Coordinate: 1473514.95

Boring Diameter (in.): 3
Date Completed: 6/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0320	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); dry; soft; low plasticity; 80% silt; 20 % fine sand; no odor.		Began drilling @ 0935 on 6/28/11.
5							
		FFOR0321	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0322	2.7		Same as above (5 ft); no odor.		
					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
15							
		FFOR0323	0.0		Elastic SILT (MH); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt and clay; 10% fine sand; no odor.	MH	
20							
		FFOR0324	0.0				
							Total depth = 21 ft. Reached total depth @ 1004 on 6/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP059

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541334.99
X Coordinate: 1473524.87

Boring Diameter (in.): 3
Date Completed: 6/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0325	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1020 on 6/28/11.
5							
		FFOR0326	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0327 FFOR0327-MS FFOR0327-MSD	0.0		Same as above (5 ft); increasing clay content.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
15							
		FFOR0328	0.0				
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	MH	
20							
		FFOR0329 FFOR0330	0.0				
							Total depth = 21 ft. Reached total depth @ 1040 on 6/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP060

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541334.96
X Coordinate: 1473519.92

Boring Diameter (in.): 3
Date Completed: 6/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0331 FFOR0332	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1105 on 6/28/11.
5							
		FFOR0333	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0334	0.0		Same as above (5 ft).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
15							
		FFOR0335	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 90% silt and clay; 10% fine sand; no odor.	ML	
20							
		FFOR0336	0.0				
							Total depth = 21 ft. Reached total depth @ 1120 on 6/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP061

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541335.09
X Coordinate: 1473514.91

Boring Diameter (in.): 3
Date Completed: 6/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0337	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 0800 on 6/29/11.
5							
		FFOR0338 FFOR0339	0.3		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0340 FFOR0340-MS FFOR0340-MSD	0.1		Same as above (5 ft).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; medium plasticity; 90% clay; 10% fine sand; no odor.	CL	
15							
		FFOR0341	0.0				
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	MH	
20							
		FFOR0342	0.0				
							Total depth = 21 ft. Reached total depth @ 0835 on 6/29/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP062

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541345.08
X Coordinate: 1473524.88

Boring Diameter (in.): 3
Date Completed: 6/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0343	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0900 on 6/29/11.
5							
	■	FFOR0344	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% very fine sand; no odor.	ML	
10							
	■	FFOR0345	0.0		Same as above (5 ft).		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
15							
	■	FFOR0346	0.0				
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt and clay; 10% fine sand; no odor.	MH	
20							
	■	FFOR0347	0.0				
							Total depth = 21 ft. Reached total depth @ 0915 on 6/29/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP063

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541345.04
X Coordinate: 1473519.91

Boring Diameter (in.): 3
Date Completed: 6/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0348	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; subrounded; no odor.		Began drilling @ 0945 on 6/29/11.
5		FFOR0349	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; trace coarse sand; no odor.	ML	
10		FFOR0350 FFOR0351	0.0		Same as above (5 ft).		
15					Elastic SILT (MH); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% silt and clay; 10% very fine sand; no odor.		
20		FFOR0352	0.0		Same as above (11 ft).	MH	
25		FFOR0353	0.0				Total depth = 21 ft. Reached total depth @ 1000 on 6/29/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP064

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541345.02
X Coordinate: 1473514.93

Boring Diameter (in.): 3
Date Completed: 6/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0354	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 1025 on 6/29/11.
5							
		FFOR0355	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.	ML	
10							
		FFOR0356	0.0		Same as above (5 ft).		
15							
		FFOR0357	0.0		Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% silt and clay; 10% fine sand; no odor.	MH	
20							
		FFOR0358	24.6		Same as above (15 ft).		
							Total depth = 21 ft. Reached total depth @ 1040 on 6/29/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP065

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541350.08
X Coordinate: 1473519.96

Boring Diameter (in.): 3
Date Completed: 6/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0359 FFOR0359-MS FFOR0359-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1100 on 6/29/11.
5							
		FFOR0360	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; trace gravel to 1 cm; subrounded; no odor.	ML	
10							
		FFOR0361	1.9		Same as above (5 ft).		
15							
		FFOR0362	10.4		Elastic SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% silt and clay; 10% fine sand; no odor.	MH	
20							
		FFOR0363	NR		Same as above (15 ft); strong odor.		
							Total depth = 21 ft. Reached total depth @ 1125 on 6/29/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP066

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541355.04
X Coordinate: 1473524.94

Boring Diameter (in.): 3
Date Completed: 7/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0365	0.2		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; 80% silt; 20% fine to coarse sand; trace gravel to 1 cm; subrounded; no odor.		Began drilling @ 0806 on 7/06/11.
5							
	■	FFOR0366	1.9		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.	ML	
10							
	■	FFOR0367	13.2		Same as above (5 ft); reddish brown (5YR 4/4); 95% silt; 5% fine sand; slight odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% silt; 5% fine sand; strong odor.	CL	
15							
	■	FFOR0368	1305.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% fine sand; strong odor.	ML	
20							
	■	FFOR0369	3201.0				
							Total depth = 21 ft. Reached total depth @ 0825 on 7/06/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP067

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541355.00
X Coordinate: 1473519.91

Boring Diameter (in.): 3
Date Completed: 7/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0370	0.9		Sandy SILT (ML); light reddish brown (5YR 6/3); dry; soft; low plasticity; 70% silt; 30% fine to coarse sand; trace gravel to 1 cm; subrounded; no odor.		Began drilling @ 0850 on 7/6/11.
5							
		FFOR0371	4.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.		
10							
		FFOR0372 FFOR0373	5.3		Same as above (5 ft); reddish brown (5YR 5/3); moist; soft; 95% silt; 5% fine to medium sand; subrounded; no odor.	ML	
15							
		FFOR0374	2872.0		Same as above (5 ft); reddish brown (5YR 5/3); moist; soft; 95% silt; 5% fine to medium sand; subrounded; strong odor.		
20							
		FFOR0375	4117.0		Same as above (5 ft); reddish brown (5YR 5/3); moist; soft; 95% silt; 5% fine to medium sand; subrounded; mildew/musty odor.		Total depth = 21 ft. Reached total depth @ 0910 on 7/6/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP068

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541355.06
X Coordinate: 1473515.00

Boring Diameter (in.): 3
Date Completed: 7/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0376	0.3		Sandy SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; subrounded; no odor.		Began drilling @ 0948 on 7/6/11.
5							
	■	FFOR0377	2.8		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.		
10							
	■	FFOR0378	0.4		Same as above (5 ft); reddish brown (5YR 5/3).	ML	
15							
	■	FFOR0379	3.9		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% fine sand; no odor.		
20							
	■	FFOR0380	3418.0		Same as above (5 ft); reddish brown (5YR 5/3); strong odor.		Total depth = 21 ft. Reached total depth @ 1005 on 7/6/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP069

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541360.10
X Coordinate: 1473519.97

Boring Diameter (in.): 3
Date Completed: 7/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0381	2.9		Sandy SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 1035 on 7/6/11.
5							
	■	FFOR0382	3.3		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; slight odor.		
10							
	■	FFOR0383 FFOR0383-MS FFOR0383-MSD	1397.0		Same as above (5 ft); reddish brown (5YR 5/3); strong odor.	ML	
15							
	■	FFOR0384	3587.0		Same as above (5 ft); reddish brown (5YR 5/3); strong odor.		
20							
	■	FFOR0385 FFOR0386	3793.0		Same as above (5 ft); reddish brown (5YR 5/3); strong odor.		Total depth = 21 ft. Reached total depth @ 1055 on 7/6/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP070

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541365.00
X Coordinate: 1473524.96

Boring Diameter (in.): 3
Date Completed: 7/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0387 FFOR0388	6.2		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1120 on 7/6/11.
5		FFOR0389	1.3		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.		
10		FFOR0390	68.8		As above (5 ft); 95% silt; 5% very fine sand; slight odor.	ML	
15		FFOR0391	702.0		As above (5 ft); 95% silt; 5% very fine sand; strong odor.		
20		FFOR0392	3048.0		As above (5 ft); 95% silt; 5% very fine sand; strong odor.		Total depth = 21 ft. Reached total depth @ 1135 on 7/6/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP071

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541365.01
X Coordinate: 1473519.97

Boring Diameter (in.): 3
Date Completed: 7/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0393	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; trace gravel to 1 cm; subrounded; no odor.		Began drilling @ 0753 on 7/7/11.
5							
		FFOR0394 FFOR0395	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 95% silt; 5% fine to medium sand; no odor.		
10							
		FFOR0396 FFOR0396-MS FFOR0396-MSD	1046.0		As above (5 ft); 95% silt; 5% very fine sand; trace coarse sand; slight odor.	ML	
15							
		FFOR0397	3082.0		As above (5 ft); 95% silt; 5% very fine sand; trace coarse sand; strong odor.		
20							
		FFOR0398	3359.0		As above (5 ft); 95% silt; 5% very fine sand; trace coarse sand; strong odor.		Total Depth = 21 ft. Reached @ 0810 on 7/7/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP072

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541365.00
X Coordinate: 1473514.94

Boring Diameter (in.): 3
Date Completed: 7/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0399	0.9		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 70% silt; 30% fine to medium sand; trace gravel to 1 cm; subrounded; no odor.		Began drilling @ 0840 on 7/7/11.
5							
		FFOR0400	2.4		SILT (ML); light reddish brown (5YR 6/3); dry; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.		
10							
		FFOR0401	109.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% fine sand; no odor.	ML	
15							
		FFOR0402	2.8		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% fine sand; no odor.		
20							
		FFOR0403	NR		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% fine sand; strong odor.		Total Depth = 21 ft. Reached @ 0855 on 7/7/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP073

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541375.01
X Coordinate: 1473524.96

Boring Diameter (in.): 3
Date Completed: 7/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0404	2.9		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 0930 on 7/7/11.
5							
	■	FFOR0405	3.3		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.	ML	
10							
	■	FFOR0406 FFOR0407	38.9		Same as above (5 ft); 95% silt; 5% very fine sand; slight odor.		
15					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; strong odor.	CL	
	■	FFOR0408	1013.0				
					SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; slight odor.	ML	
20							
	■	FFOR0409	2991.0				
							Total depth = 21 ft. Reached total depth @ 0946 on 7/7/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP074

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541375.01
X Coordinate: 1473519.95

Boring Diameter (in.): 3
Date Completed: 7/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0410	5.2		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 1005 on 7/7/11.
5							
		FFOR0411	7.4		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; trace gravel to 0.7cm; slight odor.		
10							
		FFOR0412	2.5		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand.	ML	
15							
		FFOR0413	1630.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; strong odor.		
20							
		FFOR0414	3208.0				
25							Total depth = 21 ft. Reached total depth @ 1030 on 7/7/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP075

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541375.04
X Coordinate: 1473514.93

Boring Diameter (in.): 3
Date Completed: 7/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0415 FFOR0415-MS FFOR0415-MSD	2.4		Sandy SILT (ML); light reddish brown (YR 6/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel to 1cm; subrounded; no odor.		Began drilling @ 1055 on 7/7/11.
5							
		FFOR0416	21.1		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.		
10							
		FFOR0417	63.5		Same as above (5 ft); 95% silt; 5% very fine sand.	ML	
15							
		FFOR0418	1507.0		Same as above (5 ft); 95% silt; 5% very fine sand; strong odor.		
20							
		FFOR0419	NR				
							Total depth = 21 ft. Reached total depth @ 1115 on 7/7/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP076

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541385.07
X Coordinate: 1473525.03

Boring Diameter (in.): 3
Date Completed: 7/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0421	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 0800 on 7/8/11.
5							
	■	FFOR0422	9.3		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; very slight odor.		
10							
	■	FFOR0423	255.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; strong odor.	ML	
15							
	■	FFOR0424	2905.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; very strong odor.		
20							
	■	FFOR0425	3023.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; very strong odor.		Total depth = 21 ft. Reached total depth @ 0815 on 7/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP077

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541385.05
X Coordinate: 1473520.00

Boring Diameter (in.): 3
Date Completed: 7/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0426	4.8		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; trace gravel to 1 cm; subrounded; no odor.		Began drilling @ 0840 on 7/8/11.
5							
		FFOR0427	10.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
		FFOR0428 FFOR0429	1251.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; odor.	ML	
15							
		FFOR0430	2784.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; strong odor.		
20							
		FFOR0431	NR		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; strong odor.		Total depth = 21 ft. Reached total depth @ 0900 on 7/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP078

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541385.04
X Coordinate: 1473515.00

Boring Diameter (in.): 3
Date Completed: 7/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0432	2.2		Sandy SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; subrounded; no odor.		Began drilling @ 0918 on 7/8/11.
5							
	■	FFOR0433	469.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.		
10							
	■	FFOR0434	987.0		Same as above (5 ft); 95% silt; 5% fine sand; slight odor.	ML	
15							
	■	FFOR0435	2287.0		Same as above (5 ft); 95% silt; 5% fine sand; very strong odor.		
20							
	■	FFOR0436	2982.0		Same as above (5 ft); 95% silt; 5% fine sand; slight odor.		Total depth = 21 ft. Reached total depth @ 0940 on 7/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP079

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541395.02
X Coordinate: 1473524.98

Boring Diameter (in.): 3
Date Completed: 7/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0437	1.6		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1000 on 7/8/11.
5							
		FFOR0438	1.8		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.		
10							
		FFOR0439 FFOR0439-MS FFOR0439-MSD	643.0		Same as above (5 ft); 95% silt; 5% very fine sand; hydrocarbon odor.	ML	
15							
		FFOR0440	1913.0		Same as above (5 ft); 95% silt; 5% very fine sand; strong odor.		
20							
		FFOR0441 FFOR0442	2572.0		Same as above (5 ft); 95% silt; 5% very fine sand; strong odor.		Total depth = 21 ft. Reached total depth @ 1019 on 7/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP080

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541395.04
X Coordinate: 1473520.02

Boring Diameter (in.): 3
Date Completed: 7/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0443 FFOR0444	2.3		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1050 on 7/8/11.
5							
		FFOR0445	3.8		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0446	62.3		Same as above (5 ft); 95% silt; 5% fine sand; slight odor.		
					Lean CLAY (CL); dark reddish brown (5YR 6/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; strong odor.	CL	
15							
		FFOR0447	1931.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; very strong odor.	ML	
20							
		FFOR0448	2328.0				
							Total depth = 21ft. Reached @ 1109 on 7/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP081

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.0
Y Coordinate: 1541395.05
X Coordinate: 1473515.07

Boring Diameter (in.): 3
Date Completed: 7/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0449	2.3		Sandy SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; subrounded; no odor.		Began drilling @ 0755 on 7/9/11.
5		FFOR0450 FFOR0451	1406.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; hydrocarbon odor.	ML	
10		FFOR0452 FFOR0452-MS FFOR0452-MSD	1929.0		Same as above (5 ft); 95% silt; 5% very fine sand; very strong odor.		
15		FFOR0453	2220.0		Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% very fine to medium sand; subrounded; very strong odor.	MH	
20		FFOR0454	2098.0		Same as above (13 ft).		
25							Total depth = 21ft. Reached @ 0815 on 7/9/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP082

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541404.98
X Coordinate: 1473525.05

Boring Diameter (in.): 3
Date Completed: 7/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0455	2.7		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 0840 on 7/9/11.
5							
	■	FFOR0456	1.2		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; slight odor.	ML	
10							
	■	FFOR0457	3.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% fine to medium sand; subrounded; slight odor.		
15							
	■	FFOR0458	0.9		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% very fine sand; very slight odor.	CL	
20							
	■	FFOR0459	1065.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine to medium sand; subrounded; very slight odor.	ML	
25							Total depth = 21ft. Reached @ 0859 on 7/9/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP083

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541405.02
X Coordinate: 1473520.07

Boring Diameter (in.): 3
Date Completed: 7/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0460	1.2		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0925 on 7/9/11.
5							
		FFOR0461	0.8		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.		
10							
		FFOR0462 FFOR0463	2.6		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.	ML	
15							
		FFOR0464	897.0		Same as above (5 ft); 95% silt; 5% very fine sand; hydrocarbon odor.		
20							
		FFOR0465	1874.0				
25							Total depth = 21ft. Reached @ 0945 on 7/9/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP084

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541405.08
X Coordinate: 1473515.05

Boring Diameter (in.): 3
Date Completed: 7/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0466	1.1		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 1013 on 7/9/11.
5							
	■	FFOR0467	9.5		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; very slight odor.	ML	
10							
	■	FFOR0468	1420.0		Same as above (5 ft); strong odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; strong odor.	CL	
15							
	■	FFOR0469	2206.0				
					SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; very strong odor.	ML	
20							
	■	FFOR0470	2355.0				
							Total depth = 21 ft. Reached total depth @ 1105 on 7/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP085

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541413.24
X Coordinate: 1473525.08

Boring Diameter (in.): 3
Date Completed: 7/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0471 FFOR0471-MS FFOR0471-MSD	2.4		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.		Began drilling @ 1125 on 7/9/11.
5							
		FFOR0472	1.1		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0473	0.5		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; slight odor.	CL	
15							
		FFOR0474	334.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.	ML	
20							
		FFOR0475 FFOR0476	1290.0				
							Total depth = 21 ft. Reached total depth @ 1145 on 7/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP086

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541413.26
X Coordinate: 1473520.06

Boring Diameter (in.): 3
Date Completed: 7/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0477	2.4		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 0750 on 7/10/11.
5							
		FFOR0478	3.5		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0479	0.9		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; strong odor.	CL	
15							
		FFOR0480	1179.0				
					Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 90% silt and clay; 10% fine sand; strong odor.	MH	
20							
		FFOR0481	1623.0				
							Total depth = 21 ft. Reached total depth @ 0805 on 7/10/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP087

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541413.42
X Coordinate: 1473515.10

Boring Diameter (in.): 3
Date Completed: 7/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0482	3.1		SILT with Sand (ML); light reddish brown (5YR 6/3); dry; soft; low plasticity; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 0836 on 7/10/11.
5							
		FFOR0483	3.5		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0484 FFOR0485	1163.0		Same as above (5 ft); reddish brown (5YR 4/4); strong odor.		
15					Elastic SILT (ML); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% silt and clay; 5% fine sand; very strong odor.		
		FFOR0486	1757.0			MH	
20							
		FFOR0487	1916.0		Same as above (13 ft).		
25							Total depth = 21 ft. Reached total depth @ 0856 on 7/10/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP088

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541423.32
X Coordinate: 1473525.24

Boring Diameter (in.): 3
Date Completed: 7/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0488	3.1		Sandy SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel to 1cm; no odor.		Began drilling @ 0915 on 7/10/11.
5							
	■	FFOR0489	1.9		SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine to coarse sand; subrounded; no odor.	ML	
10							
	■	FFOR0490	0.6		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
15							
	■	FFOR0491	2.8				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 95% silt; 5% very fine sand; subrounded; slight odor.	ML	
20							
	■	FFOR0492	0.4				
							Total depth = 21 ft. Reached total depth @ 0940 on 7/10/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP089

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541423.37
X Coordinate: 1473520.26

Boring Diameter (in.): 3
Date Completed: 7/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0493	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; trace gravel to 1cm; no odor.		Began drilling @ 1020 on 7/10/11.
5							
		FFOR0494	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.	ML	
10							
		FFOR0495 FFOR0495-MS FFOR0495-MSD	0.0		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.		
15					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; slight odor.	CL	
		FFOR0496	388.0				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; subrounded; strong odor.	ML	
		FFOR0497 FFOR0498	1944.0				
25							Total depth = 21 ft. Reached total depth @ 1045 on 7/10/11.
30							

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Boring ID: DP090

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541428.38
X Coordinate: 1473520.28

Boring Diameter (in.): 3
Date Completed: 7/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0499 FFOR0500	3.8		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1106 on 7/10/11.
5							
		FFOR0501	0.3		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.	ML	
10							
		FFOR0502	0.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; no odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
15							
		FFOR0503	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine; subrounded; no odor.	ML	
20							
		FFOR0504	0.0				
							Total depth = 21 ft. Reached total depth @ 1125 on 7/10/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP091

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541428.46
X Coordinate: 1473510.21

Boring Diameter (in.): 3
Date Completed: 7/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0505	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 0800 on 7/11/11.
5							
	■	FFOR0506 FFOR0507	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.	ML	
10							
	■	FFOR0508 FFOR0508-MS FFOR0508-MSD	0.0		Same as above (5 ft); 95% silt; 5% very fine sand.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
15							
	■	FFOR0509	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; subrounded; slight odor.	ML	
20							
	■	FFOR05010	1584.0				
							Total depth = 21 ft. Reached total depth @ 0820 on 7/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP092

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541423.44
X Coordinate: 1473510.17

Boring Diameter (in.): 3
Date Completed: 7/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0511	0.5		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 0850 on 7/11/11.
5							
	■	FFOR0512	5.6		SILT (ML); reddish bown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	
10							
	■	FFOR0513	173.0		Same as above (5 ft); 95% silt; 5% fine sand; slight odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; strong odor.	CL	
15							
	■	FFOR0514	944.0				
					SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 95% silt; 5% fine sand; strong odor.	ML	
20							
	■	FFOR0515	1752.0				
							Total depth = 21 ft. Reached total depth @ 0910 on 7/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP093

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541418.38
X Coordinate: 1473510.15

Boring Diameter (in.): 3
Date Completed: 7/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0516	7.4		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 0945 on 7/11/11.
5							
		FFOR0517	5.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; slight odor.	ML	
10							
		FFOR0518 FFOR0519	1366.0		Same as above (5 ft); odor.		
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; strong odor.	CL	
15							
		FFOR0520	1812.0				
					SILT (ML); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; strong odor.	ML	
20							
		FFOR0521	1495.0				
							Total depth = 21 ft. Reached total depth @ 1010 on 7/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP094

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541428.56
X Coordinate: 1473500.24

Boring Diameter (in.): 3
Date Completed: 7/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0522	5.5		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1029 on 7/11/11.
5							
		FFOR0523	4.6		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.	ML	
10							
		FFOR0524	3.1		Same as above (5 ft); 95% silt; 5% fine sand.		
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% silt and clay; 10% fine sand; slight odor.		
15							
		FFOR0525	546.0		Same as above (12 ft).	MH	
20							
		FFOR0526	2106.0				
							Total depth = 21 ft. Reached total depth @ 1050 on 7/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP095

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541423.58
X Coordinate: 1473500.26

Boring Diameter (in.): 3
Date Completed: 7/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0527 FFOR0527-MS FFOR0527-MSD	4.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1115 on 7/11/11.
5							
		FFOR0528	0.5		Same as above (0 ft).	ML	
10							
		FFOR0529	0.2		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; odor.	CL	
15							
		FFOR0530	1155.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; strong odor.	ML	
20							
		FFOR0531 FFOR0532	1768.0				Total depth = 21 ft. Reached total depth @ 1140 on 7/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP096

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541418.47
X Coordinate: 1473500.20

Boring Diameter (in.): 3
Date Completed: 7/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0533	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded.		Began drilling @ 0805 on 7/12/11.
5							
		FFOR0534	1.7		SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine to medium sand; subrounded; no odor.	ML	
10							
		FFOR0535	584.0		Same as above (5 ft); reddish brown (5YR 4/4); 95% silt; 5% very fine sand.		
					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; strong odor.	CL	
15							
		FFOR0536	1503.0				
					Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% fine sand; strong odor.	MH	
20							
		FFOR0537	1721.0				
							Total depth = 21 ft. Reached total depth @ 0825 on 7/12/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP097

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541428.69
X Coordinate: 1473490.23

Boring Diameter (in.): 3
Date Completed: 7/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0538	0.8		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0850 on 7/12/11.
5							
		FFOR0539	0.3		SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0540 FFOR0541	0.3		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.		
					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; slight odor.	CL	
15							
		FFOR0542	55.9				
					Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% fine sand.	MH	
20							
		FFOR0543	1796.0				
							Total depth = 21 ft. Reached total depth @ 0915 on 7/12/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP098

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541423.72
X Coordinate: 1473490.17

Boring Diameter (in.): 3
Date Completed: 7/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0544	0.4		Sandy SILT (ML); light reddish brown (5YR 6/3); moist; soft; nonplastic; 70% silt; 30% fine to coarse sand; trace gravel; no odor.		Began drilling @ 0935 on 7/12/11.
5							
	■	FFOR0545	0.6		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 80% silt; 20% fine to coarse sand; subrounded; trace gravel; no odor.		
10							
	■	FFOR0546	0.2		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
15							
	■	FFOR0547	1011.0		Same as above (10 ft); increasing clay content; odor.		
20							
	■	FFOR0548	1965.0				
25							Total depth = 21 ft. Reached total depth @ 1000 on 7/12/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP099

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541418.52
X Coordinate: 1473490.26

Boring Diameter (in.): 3
Date Completed: 7/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0549	0.1		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1035 on 7/12/11.
5							
		FFOR0550	0.6		Same as above (0 ft).	ML	
10							
		FFOR0551 FFOR0551-MS FFOR0551-MSD	874.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; slight odor.		
					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; strong odor.	CL	
15							
		FFOR0552	1488.0				
					SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; strong odor.	ML	
20							
		FFOR0553 FFOR0554	1529.0				
							Total depth = 21 ft. Reached total depth @ 1100 on 7/12/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP100

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541428.69
X Coordinate: 1473480.25

Boring Diameter (in.): 3
Date Completed: 7/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0555 FFOR0556	0.4		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1120 on 7/12/11.
5							
		FFOR0557	0.1		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.	ML	
10							
		FFOR0558	0.2		Same as above (5 ft).		
15					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
		FFOR0559	0.3				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.	ML	
		FFOR0560	0.0				
25							Total depth = 21 ft. Reached total depth @ 1140 on 7/12/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP101

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541423.75
X Coordinate: 1473480.16

Boring Diameter (in.): 3
Date Completed: 7/13/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0561	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 0815 on 7/13/11.
5							
		FFOR0562 FFOR0563	0.0		Same as above (0 ft).		
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.		
10							
		FFOR0564 FFOR0564-MS FFOR0564-MSD	0.0			ML	
15							
		FFOR0565	0.0		Same as above (10 ft); no odor.		
20							
		FFOR0566	NR				
							Total depth = 21 ft. Reached total depth @ 0830 on 7/13/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP102

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541418.69
X Coordinate: 1473480.26

Boring Diameter (in.): 3
Date Completed: 7/13/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0567	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0905 on 7/13/11.
5							
	■	FFOR0568	0.0		Same as above (0 ft).		
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; strong odor.		
10							
	■	FFOR0569	446.0			ML	
15							
	■	FFOR0570	376.0		Same as above (10 ft); 95% silt; 5% very fine sand; increasing clay content; strong odor.		
20							
	■	FFOR0571	52.0				
							Total depth = 21 ft. Reached total depth @ 0930 on 7/13/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP103

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541428.82
X Coordinate: 1473470.24

Boring Diameter (in.): 3
Date Completed: 7/13/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0572	0.1		Sandy SILT (ML); dark reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; subrounded; no odor.		Began drilling @ 0950 on 7/13/11.
5							
	■	FFOR0573	0.8		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
	■	FFOR0574 FFOR0575	0.6		Same as above (5 ft).		
					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
15							
	■	FFOR0576	0.3				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
20							
	■	FFOR0577	0.0				
							Total depth = 21 ft. Reached total depth @ 1010 on 7/13/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP104

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541423.88
X Coordinate: 1473470.21

Boring Diameter (in.): 3
Date Completed: 7/13/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0578	0.0		Sandy SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; subrounded; no odor.	ML	Began drilling @ 1030 on 7/13/11.
5							
		FFOR0579	0.0		Same as above (0 ft); reddish brown (5YR 4/4); moist; no odor.		
10							
		FFOR0580	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
15							
		FFOR0581	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
20							
		FFOR0582	NR				Total depth = 21 ft. Reached total depth @ 1050 on 7/13/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP105

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541418.72
X Coordinate: 1473470.27

Boring Diameter (in.): 3
Date Completed: 7/13/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0583 FFOR0583-MS FFOR0583-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.	ML	Began drilling @ 1115 on 7/13/11.
5							
		FFOR0584	0.0				
10							Hit refusal @ 6.5 ft. Total depth = 6.5 ft. Reached total depth @ 1120 on 7/13/11.
15							
20							
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP106

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1541428.90
X Coordinate: 1473460.21

Boring Diameter (in.): 3
Date Completed: 7/14/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0589	0.0		No description recorded; asphalt.		Began drilling @ 0755 on 7/14/11.
					SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; gravel to 1cm; no odor.		
5							
		FFOR0590	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR0591	0.0		Same as above (5 ft); trace coarse sand.		
					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
15							
		FFOR0592	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; trace coarse sand; no odor.	ML	
20							
		FFOR0593	0.0				Total depth = 21 ft. Reached total depth @ 0820 on 7/14/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP107

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1541423.88
X Coordinate: 1473460.21

Boring Diameter (in.): 3
Date Completed: 7/14/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0594	NR		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.	ML	Began drilling @ 0840 on 7/14/11.
5							
	■	FFOR0595	0.0				
10							Hit refusal @ 6.5 ft. Total depth = 6.5 ft. Reached total depth @ 0845 on 7/14/11.
15							
20							
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP108

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1541418.89
X Coordinate: 1473460.05

Boring Diameter (in.): 3
Date Completed: 7/14/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0600	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.	ML	Began drilling @ 0902 on 7/14/11.
5							
	■	FFOR0601	0.0				
10							Hit refusal @ 6.5 ft. Total depth = 6.5 ft. Reached total depth @ 0908 on 7/14/11.
15							
20							
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP109

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1541429.02
X Coordinate: 1473450.25

Boring Diameter (in.): 3
Date Completed: 7/14/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0605	0.1		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; trace gravel to 1cm; subrounded; no odor.		Began drilling @ 0930 on 7/14/11.
5							
	■	FFOR0606	0.2		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10							
	■	FFOR0607 FFOR0607-MS FFOR0607-MSD	0.1		Same as above (5 ft); trace gravel to 1cm; subrounded; no odor.		
15					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
	■	FFOR0608	0.1				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; trace gravel to 1cm; subrounded; no odor.	ML	
	■	FFOR0609 FFOR0610	0.0				
25							Total depth = 21 ft. Reached total depth @ 0955 on 7/14/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP110

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1541424.05
X Coordinate: 1473450.16

Boring Diameter (in.): 3
Date Completed: 7/14/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0611 FFOR0612	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1020 on 7/14/11.
5							
		FFOR0613	0.0		Same as above (0 ft).	ML	4"of concrete @ 6.5 ft.
10					SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.		
		FFOR0614	0.0				
15					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% fine sand; no odor.	CL	
		FFOR0615	0.0				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.	ML	
		FFOR0616	0.0				
25							Total depth = 21 ft. Reached total depth @ 1045 on 7/14/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP111

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1541418.96
X Coordinate: 1473450.14

Boring Diameter (in.): 3
Date Completed: 7/14/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0617	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded.	ML	Began drilling @ 1100 on 7/14/11.
5							
		FFOR0618	0.0				Hit refusal @ 5 ft. Total depth = 5 ft. Reached total depth @ 1105 on 7/14/11.
10							
15							
20							
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP112

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1541429.13
X Coordinate: 1473440.24

Boring Diameter (in.): 3
Date Completed: 7/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Virginia Bracht

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0623	0.0		SILT with Sand (ML); brown (7.5YR 4/3); moist; soft; low plasticity; silt to very fine sand; trace gravel; slight odor.		Began drilling @ 0755 on 7/18/11.
5							
	■	FFOR0624	0.0		SILT with Sand (ML); yellowish red (5YR 5/6); moist; soft; low plasticity; silt to very fine sand; slight odor.	ML	
10							
	■	FFOR0625	0.0		Same as above (5 ft); trace gravel to 0.7cm.		
					Elastic SILT (MH); reddish brown (5YR 5/4); moist; firm; no odor.	MH	
15							
	■	FFOR0626	0.0				
					SILT with Sand (ML); yellowish red (5YR 4/6); moist; firm; low plasticity; silt to fine sand; trace gravel to 2cm.	ML	
					Sandy elastic SILT (MH); brown (7.5YR 5/4); moist; firm; no odor.	MH	
20							
	■	FFOR0627	0.0				
							Total depth = 21 ft. Reached total depth @ 0820 on 7/18/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP113

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.2
Y Coordinate: 1541424.17
X Coordinate: 1473440.18

Boring Diameter (in.): 3
Date Completed: 7/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Virginia Bracht

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0628	0.0		SILT with Sand (ML); moist; soft; low plasticity; silt to very fine sand; trace gravel to 10mm; faint odor.		Began drilling @ 0850 on 7/18/11.
5							
		FFOR0629	0.0		Same as above (0 ft).		
						ML	
10					SILT with Sand (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 95% silt to very fine sand; 5% gravel to 10mm; faint odor.		
		FFOR0630 FFOR0631	0.0				
15					Elastic SILT (MH); reddish brown (5YR 5/4); moist; firm; moderate plasticity; 95% silt; 5% very fine sand; trace gravel to 12mm; faint odor.		
		FFOR0632	0.0				
						MH	
20					Same as above (14 ft); light brown (7.5YR 6/4); faint odor.		
		FFOR0633	0.0				
							Total depth = 21 ft. Reached total depth @ 0910 on 7/18/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP114

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.2
Y Coordinate: 1541419.11
X Coordinate: 1473440.18

Boring Diameter (in.): 3
Date Completed: 7/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Virginia Bracht

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0634	0.0		SILT with Sand (ML); strong brown (7.5YR 5/6); moist; low plasticity; 85% silt; 15% fine sand; trace gravel to 10mm; no odor.	ML	Began drilling @ 0925 on 7/18/11.
5							
	■	FFOR0635	0.0				Hit refusal @ 5.5 ft. Total depth = 5.5 ft. Reached total depth @ 0930 on 7/18/11.
10							
15							
20							
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP115

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1541429.24
X Coordinate: 1473429.29

Boring Diameter (in.): 3
Date Completed: 7/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Virginia Bracht

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0639 FFOR0639-MS FFOR0639-MSD	0.0		SILT with Sand (ML); strong brown (7.5YR 4/6); moist; soft; low plasticity; 80% silt; 20% sand; trace gravel to 5mm; faint odor.		Began drilling @ 0953 on 7/18/11.
5							
		FFOR0640	0.0		Same as above (0 ft); light brown (7.5YR 6/4); 85% silt; 15% sand.	ML	
10							
		FFOR0641	0.0		Elastic SILT (MH); yellowish red (5YR 4/6); moist; firm; medium plasticity; 95% silt; 5% sand; faint odor.	MH	
					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
15							
		FFOR0642	0.0				
					Elastic SILT (MH); yellowish red (5YR 4/6); moist; firm; medium plasticity; 95% silt; 5% sand; faint odor.	MH	
20							
		FFOR0643 FFOR0644	0.0				Total depth = 21 ft. Reached total depth @ 1018 on 7/18/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP116

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1541424.19
X Coordinate: 1473429.17

Boring Diameter (in.): 3
Date Completed: 7/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0645	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 60% silt; 40% fine to coarse sand; subrounded; no odor.		Began drilling @ 1050 on 7/18/11.
5							
	■	FFOR0646	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	
10							
	■	FFOR0647	0.0		Same as above (5 ft); some organic material; saturated with hydrocarbons; no odor.		
15					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
	■	FFOR0648	0.0				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine sand; increasing clay content; no odor.	ML	
	■	FFOR0649	0.0				
25							Total depth = 21 ft. Reached total depth @ 1110 on 7/18/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP117

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.2
Y Coordinate: 1541419.23
X Coordinate: 1473429.09

Boring Diameter (in.): 3
Date Completed: 7/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0650	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; subrounded; no odor.		Began drilling @ 1130 on 7/18/11.
5							
		FFOR0651	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.	ML	
10							
		FFOR0652 FFOR0653	0.0		Same as above (5 ft).		
15					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
		FFOR0654	0.0				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; increasing clay content; no odor.	ML	
		FFOR0655	0.0				
25							Total depth = 21 ft. Reached total depth @ 1150 on 7/18/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP118

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1541429.24
X Coordinate: 1473420.23

Boring Diameter (in.): 3
Date Completed: 7/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0656	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; subrounded; trace gravel to 1 cm; no odor.		Began drilling @ 1300 on 7/18/11.
5							
		FFOR0657	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.	ML	Note: 2 inches of limestone gravel; clean; angular; non native.
10							
		FFOR0658	0.0		Same as above (5 ft).		
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; 90% silt and clay; 10% fine sand; no odor.	MH	
15							
		FFOR0659	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.	ML	
20							
		FFOR0660	0.0				Total depth = 21 ft. Reached total depth @ 1320 on 7/18/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP119

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.0
Y Coordinate: 1541424.28
X Coordinate: 1473420.22

Boring Diameter (in.): 3
Date Completed: 7/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0661	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1345 on 7/18/11.
5							
	■	FFOR0662	0.0		Same as above (0 ft).		
10					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.		
	■	FFOR0663 FFOR0663-MS FFOR0663-MSD	0.0			ML	
15							
	■	FFOR0664	0.0		Same as above (8 ft).		
20							
	■	FFOR0665 FFOR0666	0.0		Same as above (8 ft); 95% silt; 5% fine sand; no odor.		
							Total depth = 21 ft. Reached total depth @ 1410 on 7/18/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP120

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.2
Y Coordinate: 1541419.23
X Coordinate: 1473420.17

Boring Diameter (in.): 3
Date Completed: 7/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0667 FFOR0668	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 0750 on 7/19/11.
5		FFOR0669	0.0		Same as above (0 ft).		
10					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.		
		FFOR0670	2.8		Same as above (8 ft); 95% silt; 5% very fine sand; no odor.	ML	Note: 2 inches of limestone gravel to 3cm; angular; clean; non native.
15		FFOR0671	1.8		Same as above (8 ft); 95% silt; 5% very fine sand; increasing clay content; no odor.		
20		FFOR0672	0.0				
25							Total depth = 21 ft. Reached total depth @ 0810 on 7/19/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP121

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1541429.35
X Coordinate: 1473410.22

Boring Diameter (in.): 3
Date Completed: 7/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0673	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.		Began drilling @ 0843 on 7/19/11.
5							
		FFOR0674 FFOR0675	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.	ML	
10							
		FFOR0676 FFOR0676-MS FFOR0676-MSD	0.0		Same as above (5 ft).		
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.		
15							
		FFOR0677	0.0		Same as above (12 ft).	MH	
20							
		FFOR0678	0.0				
							Total depth = 21 ft. Reached total depth @ 0905 on 7/19/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP122

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1541424.38
X Coordinate: 1473410.16

Boring Diameter (in.): 3
Date Completed: 7/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0679	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.		Began drilling @ 0935 on 7/19/11.
5							
	■	FFOR0680	0.0		Same as above (0 ft).		
10							
	■	FFOR0681	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
15							
	■	FFOR0682	0.0		Same as above (10 ft); 95% silt; 5% very fine sand; increasing clay content; no odor.		
20							
	■	FFOR0683	0.0				
							Total depth = 21 ft. Reached total depth @ 0950 on 7/19/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP123

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.0
Y Coordinate: 1541419.36
X Coordinate: 1473410.12

Boring Diameter (in.): 3
Date Completed: 7/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0684	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1015 on 7/19/11.
5		FFOR0685	0.0		Same as above (0 ft).	ML	
10		FFOR0686 FFOR0687	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low to medium plasticity; 90% silt; 10% fine sand; no odor.		
15		FFOR0688	0.0		Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor. Same as above (12 ft).	MH	
20		FFOR0689	0.0				
25							Total depth = 21 ft. Reached total depth @ 1033 on 7/19/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP124

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1541419.47
X Coordinate: 1473400.14

Boring Diameter (in.): 3
Date Completed: 7/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0690	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1050 on 7/19/11.
5							
		FFOR0691	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.	ML	
10							
		FFOR0692	0.0		Same as above (5 ft).		
15					Elasitic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% fine sand; no odor.		
		FFOR0693	0.0			MH	
20							
		FFOR0694	0.0				
25							Total depth = 21 ft. Reached total depth @ 1113 on 7/19/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP125

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1541419.50
X Coordinate: 1473390.17

Boring Diameter (in.): 3
Date Completed: 7/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0695 FFOR0695-MS FFOR0695-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.	ML	Began drilling @ 1235 on 7/19/11.
5							
		FFOR0696	0.0		Same as above (0 ft).		
10					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 90% silt and clay; 10% fine sand.	MH	
		FFOR0697	0.0				
15							
		FFOR0698	0.0		Same as above (9 ft); decreasing clay content.		
20							
		FFOR0699 FFOR0700	0.0				Total depth = 21 ft. Reached total depth @ 1255 on 7/19/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP126

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541419.64
X Coordinate: 1473380.14

Boring Diameter (in.): 3
Date Completed: 7/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0701	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1315 on 7/19/11.
5							
	■	FFOR0702	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low palsticity; 95% silt; 5% fine sand; no odor.		
10							
	■	FFOR0703	0.0		Same as above (7 ft).	ML	
15							
	■	FFOR0704	0.0		Same as above (7 ft).		
20							
	■	FFOR0705	0.0				
							Total depth = 21 ft. Reached total depth @ 1342 on 7/19/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP127

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1541424.40
X Coordinate: 1473400.18

Boring Diameter (in.): 3
Date Completed: 7/19/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0706	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1355 on 7/19/11.
5		FFOR0707	0.0		Same as above (0 ft).		
10		FFOR0708 FFOR0709	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low to medium plasticity; 90% silt; 10% fine to coarse sand; no odor.	ML	
15		FFOR0710	0.0		Same as above (10 ft); increasing clay content.		
20		FFOR0711	0.0				Total depth = 21 ft. Reached total depth @ 1415 on 7/19/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP128

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541424.46
X Coordinate: 1473395.18

Boring Diameter (in.): 3
Date Completed: 7/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0712	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.		Began drilling @ 0750 on 7/20/11.
5							
		FFOR0713	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; trace coarse sand; subrounded; no odor.	ML	
10							
		FFOR0714	0.0		Same as above (5 ft); increasing clay content.		
					Elastic SILT (MH); reddish brown (5YR 4/3); moist; soft; low to medium plasticity; 95% silt and clay; 5% very fine sand; no odor		
15							
		FFOR0715	0.0		Same as above (12 ft).	MH	
20							
		FFOR0716	0.0				
							Total depth = 21 ft. Reached total depth @ 0807 on 7/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP129

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541424.51
X Coordinate: 1473390.24

Boring Diameter (in.): 3
Date Completed: 7/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0717	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.		Began drilling @ 0829 on 7/20/11.
5							
		FFOR0718	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.	ML	
10							
		FFOR0719 FFOR0719-MS FFOR0719-MSD	0.0		Same as above (5 ft); 95% silt; 5% fine sand.		
					Lean CLAY (CL); reddish brown (5YR 4/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
15							
		FFOR0720	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; no odor.	ML	
20							
		FFOR0721 FFOR0722	0.0				Total depth = 21 ft. Reached total depth @ 0850 on 7/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP130

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541424.62
X Coordinate: 1473385.24

Boring Diameter (in.): 3
Date Completed: 7/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0723 FFOR0724	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1cm; no odor.		Began drilling @ 0915 on 7/20/11.
5		FFOR0725	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10		FFOR0726	0.0				
15					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% fine to medium sand; no odor.		
20		FFOR0727	0.0		Same as above (11 ft).	MH	
		FFOR0728	0.0				
25							Total depth = 21 ft. Reached total depth @ 0935 on 7/20/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP131

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541424.58
X Coordinate: 1473380.16

Boring Diameter (in.): 3
Date Completed: 7/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0729	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; trace gravel to 1 cm; no odor.		Began drilling @ 0955 on 7/20/11.
5							
		FFOR0730 FFOR0731	0.0		SILT (ML); light reddish brown (5YR 6/3); dry; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
10							
		FFOR0732 FFOR0732-MS FFOR0732-MSD	0.0		Same as above (5 ft); 90% silt; 10% fine to medium sand.	ML	
15							
		FFOR0733	0.0		Same as above (5 ft); 90% silt; 10% fine to medium sand; increasing clay content.		
20							
		FFOR0734	0.0				
							Total depth = 21 ft. Reached total depth @ 1015 on 7/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP157

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1541513.51
X Coordinate: 1473338.49

Boring Diameter (in.): 3
Date Completed: 8/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0874	0.2		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 85% silt; 15% fine to medium sand.		Began drilling @ 1225 on 8/17/11.
5							
		FFOR0875	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 95% silt; 5% fine sand; no odor.		
10							
		FFOR0876 FFOR0877	0.1		Same as above (5 ft); increasing clay content.	ML	
15							
		FFOR0878	0.0		Same as above (5 ft); increasing clay content.		
20							
		FFOR0879	0.0				
							Total depth = 21 ft. Reached total depth @ 1305 on 8/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP158

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541501.11
X Coordinate: 1473329.04

Boring Diameter (in.): 3
Date Completed: 8/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0880	0.1		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 85% silt; 15% fine to medium sand; no odor.		Began drilling @ 1115 on 8/17/11.
5							
	■	FFOR0881	0.2		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 95% silt; 5% fine sand; no odor.		
10							
	■	FFOR0882	0.1		Same as above (5 ft).	ML	
15							
	■	FFOR0883	0.1		Same as above (5 ft).		
20							
	■	FFOR0884	0.1				
25							Total depth = 21 ft. Reached total depth @ 1155 on 8/17/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP159

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541513.45
X Coordinate: 1473318.59

Boring Diameter (in.): 3
Date Completed: 8/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0885	2.1		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 85% silt; 15% fine sand; no odor.	ML	Began drilling @ 1010 on 8/17/11.
5							
		FFOR0886	0.7		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 95% silt; 5% fine sand; no odor.		
10					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% fine sand; no odor.	MH	
		FFOR0887 FFOR0887-MS FFOR0887-MSD	0.4				
15					SILT (ML); reddish brown (5YR 5/3); moist; soft; 90% silt; 10% fine to coarse sand; subrounded; no odor.		
		FFOR0888	0.2		Same as above (12 ft).	ML	
20							
		FFOR0889 FFOR0890	0.2				Total depth = 21 ft. Reached total depth @ 1045 on 8/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP160

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.9
Y Coordinate: 1541500.89
X Coordinate: 1473309.01

Boring Diameter (in.): 3
Date Completed: 8/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0891 FFOR0892	0.4		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 85% silt; 15% fine to coarse sand; no odor.		Began drilling @ 0845 on 8/17/11.
5							
		FFOR0893	0.5		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 95% silt; 5% very fine sand; no odor.		
10							
		FFOR0894	0.3		Same as above (5 ft); increasing clay content.	ML	
15							
		FFOR0895	1.1		Same as above (5 ft); 90% silt and clay; 10% fine to coarse sand; subrounded; no odor.		
20							
		FFOR0896	0.4				
							Total depth = 21 ft. Reached total depth @ 0915 on 8/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP161

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.7
Y Coordinate: 1541513.26
X Coordinate: 1473298.54

Boring Diameter (in.): 3
Date Completed: 8/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0897	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 85% silt; 15% fine to coarse sand; subrounded; no odor.		Began drilling @ 0755 on 8/17/11.
5							
		FFOR0898 FFOR0899	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 95% silt; 5% very fine sand; no odor.		Note: 2 in. of clean limestone gravel to 3cm.
10							
		FFOR0900 FFOR0900-MS FFOR0900-MSD	0.2		Same as above (5 ft).	ML	
15							
		FFOR0901	0.0		Same as above (5 ft).		
20							
		FFOR0902	0.1				Total depth = 21 ft. Reached total depth @ 0825 on 8/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP162

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541512.06
X Coordinate: 1473118.65

Boring Diameter (in.): 3
Date Completed: 7/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0903	0.0		Lean CLAY (CL); reddish brown (5YR 4/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	Began drilling @ 0845 on 7/21/11.
5		FFOR0904	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
10		FFOR0905	0.0		Lean CLAY (CL); reddish brown (5YR 4/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand.	CL	
15		FFOR0906	0.0				
20		FFOR0907	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	ML	
25							Total depth = 21 ft. Reached total depth @ 0905 on 7/21/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP163

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.4
Y Coordinate: 1541500.78
X Coordinate: 1473288.94

Boring Diameter (in.): 3
Date Completed: 8/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0908	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.	ML	Began drilling @ 0755 on 8/16/11.
5							
	■	FFOR0909	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
10							
	■	FFOR0910 FFOR0911	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% silt; 5% fine sand; no odor.	CL	
15							
	■	FFOR0912	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to very coarse sand; trace gravel to 1cm; subrounded; no odor.	ML	
20							
	■	FFOR0913	0.0				Total depth = 21 ft. Reached total depth @ 0821 on 8/16/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP164

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.3
Y Coordinate: 1541513.17
X Coordinate: 1473278.64

Boring Diameter (in.): 3
Date Completed: 8/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0914	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.		Began drilling @ 1045 on 8/16/11.
5							
	■	FFOR0915	0.0		Same as above (0 ft); 95% silt; 5% fine sand; no odor.		
10							
	■	FFOR0916	0.0		Same as above (0 ft); 95% silt; 5% fine sand; no odor.	ML	
15							
	■	FFOR0917	0.0		Same as above (0 ft); 95% silt; 5% fine sand; no odor.		
20							
	■	FFOR0918	0.0				
							Total depth = 21 ft. Reached total depth @ 1116 on 8/16/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP165

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.1
Y Coordinate: 1541500.73
X Coordinate: 1473268.98

Boring Diameter (in.): 3
Date Completed: 8/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0919 FFOR0919-MS FFOR0919-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.	ML	Began drilling @ 0940 on 8/16/11.
5							
		FFOR0920	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
10					Elastic SILT (MH); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	MH	
		FFOR0921	0.0				
15					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; subrounded; no odor.		
		FFOR0922	0.0		Same as above (12 ft).	ML	
20							
		FFOR0923 FFOR0924	0.0				Total depth = 21 ft. Reached total depth @ 1010 on 8/16/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP166

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.1
Y Coordinate: 1541512.91
X Coordinate: 1473258.58

Boring Diameter (in.): 3
Date Completed: 8/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0925	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine to medium sand; no odor.	ML	Began drilling @ 0845 on 8/16/11.
5							
		FFOR0926	0.0		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.		
10					Elastic SILT (ML); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt; 5% very fine sand; no odor.	MH	
		FFOR0927	0.0				
15					SILT (ML); reddish brown (5YR 4/3); moist; soft; medium plasticity; 90% silt; 10% fine to coarse sand; no odor.	ML	
		FFOR0928	0.0		Same as above (12 ft).		
20							
		FFOR0929	0.0				
25							Total depth = 21 ft. Reached total depth @ 0915 on 8/16/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP167

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.1
Y Coordinate: 1541500.60
X Coordinate: 1473248.96

Boring Diameter (in.): 3
Date Completed: 8/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0930	10.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1145 on 8/16/11.
5							
		FFOR0931	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
10							
		FFOR0932 FFOR0933	0.0		Same as above (5 ft).	ML	
15							
		FFOR0934	0.0		Same as above (5 ft).		
20							
		FFOR0935	0.0				
25							Total depth = 21 ft. Reached total depth @ 1225 on 8/16/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP168

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.2
Y Coordinate: 1541512.87
X Coordinate: 1473238.63

Boring Diameter (in.): 3
Date Completed: 8/15/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0936	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 85% silt; 15% fine to coarse sand; no odor.	ML	Began drilling @ 1105 on 8/15/11.
5							
		FFOR0937	5.2		Same as above (0 ft).		
10					Elastic SILT (MH); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	MH	
		FFOR0938	0.0				
15					Sandy SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 70% silt; 30% fine to coarse sand; subrounded; no odor.	ML	
		FFOR0939	12.5				
20							
		FFOR0940	0.1				Total depth = 21 ft. Reached total depth @ 1125 on 8/15/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP169

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.2
Y Coordinate: 1541500.46
X Coordinate: 1473229.13

Boring Diameter (in.): 3
Date Completed: 8/15/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0941	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	Began drilling @ 1015 on 8/15/11.
5							
		FFOR0942	0.0		Same as above (5 ft); 95% silt; 5% fine sand; no odor.		
10					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% very fine sand; no odor.	MH	
		FFOR0943 FFOR0943-MS FFOR0943-MSD	0.0				
15					SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 85% silt; 15% fine to coarse sand; subrounded; no odor.	ML	
		FFOR0944	0.0				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.		
		FFOR0945 FFOR0946	NR				
25							Total depth = 21 ft. Reached total depth @ 1035 on 8/15/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP170

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.3
Y Coordinate: 1541512.81
X Coordinate: 1473218.68

Boring Diameter (in.): 3
Date Completed: 8/15/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0947 FFOR0948	5.8		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine to coarse sand; subrounded; no odor.	ML	Began drilling @ 0925 on 8/15/11.
5							
		FFOR0949	6.6		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.		
10					Lean CLAY (CL); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
		FFOR0950	0.0				
15					SILT with Sand (ML); reddish brown (5YR 4/3); moist; soft; low plasticity; 85% silt; 15% fine to coarse sand; no odor.	ML	
		FFOR0951	0.0		SILT (ML); reddish brown (5YR 4/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.		
20							
		FFOR0952	0.0				Total depth = 21 ft. Reached total depth @ 0945 on 8/15/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP171

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.3
Y Coordinate: 1541500.25
X Coordinate: 1473208.93

Boring Diameter (in.): 3
Date Completed: 8/15/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0953	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 85% silt; 15% very fine to coarse sand; subrounded; no odor.	ML	Began drilling @ 0840 on 8/15/11.
5							
		FFOR0954 FFOR0955	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 95% silt; 5% very fine sand; subrounded; no odor.		
10					Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt; 5% very fine sand; no odor.	MH	
		FFOR0956 FFOR0956-MS FFOR0956-MSD	0.0				
15					SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 85% silt; 15% fine to coarse sand; subrounded; no odor.	ML	
		FFOR0957	0.0				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% very fine sand; no odor.		
		FFOR0958	0.0				
25							Total depth = 21 ft. Reached total depth @ 0855 on 8/15/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP172

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.5
Y Coordinate: 1541512.61
X Coordinate: 1473198.51

Boring Diameter (in.): 3
Date Completed: 8/15/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0959	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 0755 on 8/15/11.
5					SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 95% silt; 5% very fine sand; no odor.	ML	
	■	FFOR0960	0.0				
10					Lean CLAY (CL); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
	■	FFOR0961	0.0				
15					SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 85% silt; 15% fine to coarse sand; subrounded; no odor.		
	■	FFOR0962	0.0				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% very fine sand; no odor.	ML	
	■	FFOR0963	0.0				
25							Total depth = 21 ft. Reached total depth @ 0815 on 8/15/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP173

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.3
Y Coordinate: 1541500.20
X Coordinate: 1473189.04

Boring Diameter (in.): 3
Date Completed: 8/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0964	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.	ML	Began drilling @ 1040 on 8/12/11.
5							
		FFOR0965	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	MH	
		FFOR0966 FFOR0967	0.0				
15							
		FFOR0968	0.0		Same as above (9 ft).		
20							
		FFOR0969	0.0				
25							Total depth = 21 ft. Reached total depth @ 1100 on 8/12/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP174

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.6
Y Coordinate: 1541512.53
X Coordinate: 1473178.65

Boring Diameter (in.): 3
Date Completed: 8/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0970	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.	ML	Began drilling @ 1003 on 8/12/11.
5							
		FFOR0971	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.		
10					Elastic SILT (MH); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	MH	
		FFOR0972	0.0				
15							
		FFOR0973	0.0		Same as above (8 ft).		
20							
		FFOR0974	0.0				
25							Total depth = 21 ft. Reached total depth @ 1020 on 8/12/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:26 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP175

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.6
Y Coordinate: 1541505.07
X Coordinate: 1473168.90

Boring Diameter (in.): 3
Date Completed: 8/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0975 FFOR0975-MS FFOR0975-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 0915 on 8/12/11.
5							
		FFOR0976	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
10							
		FFOR0977	0.0		Same as above (5 ft).	ML	
15							
		FFOR0978	0.0		Same as above (5 ft).		
20							
		FFOR0979 FFOR0980	0.0				Total depth = 21 ft. Reached total depth @ 0935 on 8/12/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP176

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.9
Y Coordinate: 1541512.43
X Coordinate: 1473158.57

Boring Diameter (in.): 3
Date Completed: 8/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR0981	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 0835 on 8/12/11.
5							
	■	FFOR0982	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; no odor.	ML	
10							
	■	FFOR0983	0.0		Same as above (5 ft).		
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; firm; medium plasticity; 95% silt; 5% very fine sand; no odor.	MH	
15							
	■	FFOR0984	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.	ML	
20							
	■	FFOR0985	0.0				
							Total depth = 21 ft. Reached total depth @ 0855 on 8/12/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP177

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.9
Y Coordinate: 1541505.05
X Coordinate: 1473151.06

Boring Diameter (in.): 3
Date Completed: 8/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0986	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 1120 on 8/11/11.
5							
		FFOR0987	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 90% silt; 10% fine sand; no odor.		
10							
		FFOR0988 FFOR0989	0.0		Same as above (5 ft).	ML	
15							
		FFOR0990	0.0		Same as above (5 ft); firm; 95% silt and clay; 5% very fine sand; no odor.		
20							
		FFOR0991	0.0				
							Total depth = 21 ft. Reached total depth @ 1140 on 8/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP178

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.0
Y Coordinate: 1541512.22
X Coordinate: 1473138.49

Boring Diameter (in.): 3
Date Completed: 8/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR0992	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticty; 90% silt; 10% fine sand; no odor.		Began drilling @ 1035 on 8/11/11.
5		FFOR0993	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticty; 95% silt; 5% very fine sand; no odor.		
10		FFOR0994	0.0		Same as above (4 ft).	ML	
15		FFOR0995	0.0		Same as above (4 ft); increasing clay content; no odor.		
20		FFOR0996	0.0				Total depth = 21 ft. Reached total depth @ 1053 on 8/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP179

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.9
Y Coordinate: 1541499.93
X Coordinate: 1473130.98

Boring Diameter (in.): 3
Date Completed: 8/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR0997	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 0945 on 08/11/11.
5					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% silt; 10% fine sand; no odor.	ML	
		FFOR0998	0.0				
10					Lean CLAY (CL); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% clay; 5% very fine sand; no odor.	CL	
		FFOR0999 FFOR099-MS FFOR099-MSD	0.0				
15					SILT (ML); reddish brown (5YR 5/3); moist; firm; medium plasticity; 90% silt and clay; 10% very fine sand; no odor.	ML	
		FFOR1000	0.0				
20							
		FFOR1001 FFOR1002	0.0				Total depth = 21 ft. Reached total depth @ 1005 on 08/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP180

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.9
Y Coordinate: 1541499.78
X Coordinate: 1473111.00

Boring Diameter (in.): 3
Date Completed: 8/12/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1003 FFOR1004	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.		Began drilling @ 0754 on 08/12/11.
5							
		FFOR1005	0.0		Same as above (0 ft).	ML	
10							
		FFOR1006	0.0		Same as above (0 ft); 95% silt; 5% fine sand.		
					Elastic SILT (MH); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.		
15							
		FFOR1007	0.0		Same as above (11 ft); increasing clay content.	MH	
20							
		FFOR1008	0.0				
							Total depth = 21 ft. Reached total depth @ 0811 on 08/12/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP181

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541499.55
X Coordinate: 1473091.07

Boring Diameter (in.): 3
Date Completed: 7/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1009	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 85% silt; 15% fine sand; no odor.		Began drilling @ 1335 on 7/20/11.
5						ML	
		FFOR1010 FFOR1011	0.0		Same as above (0 ft); light reddish brown (5YR 6/3); increasing clay content.		
10					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
		FFOR1012 FFOR1012-MS FFOR1012-MSD	0.0				
15					SILT (ML); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt; 5% fine sand; no odor.		
		FFOR1013	0.0		Same as above (12 ft).		
20						ML	
		FFOR1014	0.0				
25							Total depth = 21 ft. Reached total depth @ 1400 on 7/20/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP182

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541511.91
X Coordinate: 1473078.60

Boring Diameter (in.): 3
Date Completed: 7/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1015	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 85% silt; 15% fine sand; trace gravel to 1 cm; no odor.		Began drilling @ 1250 on 7/20/11.
5							
	■	FFOR1016	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 90% silt; 10% fine sand; trace gravel to 1cm; no odor.	ML	
10							
	■	FFOR1017	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 90% clay and silt; 10% very fine sand; no odor.	CL	
15							
	■	FFOR1018	0.0				
					SILT (ML); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% fine sand; no odor.	ML	
20							
	■	FFOR1019	0.0				
							Total depth = 21 ft. Reached total depth @ 1315 on 7/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP183

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541499.54
X Coordinate: 1473071.00

Boring Diameter (in.): 3
Date Completed: 7/20/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1020	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1215 on 7/20/11.
5		FFOR1021	0.0		SILT (ML); light brown (5YR 6/3); moist; soft; nonplastic; 95% silt; 5% fine sand; increasing clay content; no odor.	ML	
10		FFOR1022 FFOR1023	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
15		FFOR1024	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low to medium plasticity; 95% silt and clay; 5% fine sand.	ML	
20		FFOR1025	0.0				Total depth = 21 ft. Reached total depth @ 1235 on 7/20/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP184

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541513.35
X Coordinate: 1473055.52

Boring Diameter (in.): 3
Date Completed: 6/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1026	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to medium sand; no odor.		Began drilling @ 0750 on 6/18/11.
5							
	■	FFOR1027	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% very fine sand; no odor.		
10							
	■	FFOR1028	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.	ML	
15							
	■	FFOR1029	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		
20							
	■	FFOR1030	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		Total depth = 21 ft. Reached total depth @ 0810 on 6/18/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP185

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541499.39
X Coordinate: 1473051.08

Boring Diameter (in.): 3
Date Completed: 6/18/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1031 FFOR1031-MS FFOR1031-MSD	0.0		Sandy SILT (ML); reddish brown (5YR 4/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 0830 on 6/18/2011.
5							
		FFOR1032	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.		
10							
		FFOR1033	0.0		Same as above (5 ft).	ML	
15							
		FFOR1034	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		
20							
		FFOR1035 FFOR1036	0.0		Same as above (5 ft).		
							Total depth = 21 ft. Reached total depth @ 0850 on 6/18/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP186

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541506.09
X Coordinate: 1473044.26

Boring Diameter (in.): 3
Date Completed: 6/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1037	0.0		Sandy SILT (ML); reddish brown (5YR 4/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 1420 on 6/17/11.
5		FFOR1038	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		
10		FFOR1039	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.	ML	
15		FFOR1040	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		
20		FFOR1041	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		Total depth = 21 ft. Reached total depth @ 1445 on 6/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP187

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.8
Y Coordinate: 1541525.29
X Coordinate: 1473043.98

Boring Diameter (in.): 3
Date Completed: 6/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1042	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 1330 on 6/17/11.
5							
	■	FFOR1043	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 85% silt; 15% fine to coarse sand; no odor.		
10							
	■	FFOR1044 FFOR1045	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.	ML	
15							
	■	FFOR1046	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		
20							
	■	FFOR1047	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		Total depth = 21 ft. Reached total depth @ 1400 on 6/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP188

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541533.22
X Coordinate: 1473055.19

Boring Diameter (in.): 3
Date Completed: 6/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1048	0.0		Silty SAND (SM); reddish brown (5YR 4/4); dry; loose; 60% fine to coarse sand; 40% silt; trace gravel; no odor.	SM	Began drilling @ 1255 on 6/17/11.
5							
		FFOR1049	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% very dry sand; no odor.	ML	
10							
		FFOR1050	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		
15							
		FFOR1051	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 85% silt; 15% fine sand; no odor.		
20							
		FFOR1052	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% very fine sand; no odor.		Total depth = 21 ft. Reached total depth @ 1310 on 6/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP189

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.6
Y Coordinate: 1541545.32
X Coordinate: 1473043.67

Boring Diameter (in.): 3
Date Completed: 6/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1053	0.0		Sandy SILT (ML); reddish brown (5YR 5/4); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 1050 on 6/17/11.
5							
		FFOR1054	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); dry; soft; low plasticity; 85% silt; 15% fine to coarse sand; no odor.		
10							
		FFOR1055 FFOR1055-MS FFOR1055-MSD	0.0		Same as above (5 ft); increasing clay content.	ML	
15							
		FFOR1056	0.0		Same as above (5 ft); increasing clay content.		
20							
		FFOR1057 FFOR1058	0.0		Same as above (5 ft); increasing clay content.		Total depth = 21 ft. Reached total depth @ 1120 on 6/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP190

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541553.17
X Coordinate: 1473055.00

Boring Diameter (in.): 3
Date Completed: 6/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1059 FFOR1060	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to medium sand; no odor.		Began drilling @ 1000 on 6/17/11.
5							
		FFOR1061	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
		FFOR1062	0.0		Same as above (5 ft); increasing clay content.	ML	
15							
		FFOR1063	0.0		Same as above (5 ft); 90% silt; 10% fine to coarse sand.		
20							
		FFOR1064	0.0		Same as above (5 ft); increasing clay content.		
							Total depth = 21 ft. Reached total depth @ 1035 on 6/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP191

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.7
Y Coordinate: 1541565.32
X Coordinate: 1473043.53

Boring Diameter (in.): 3
Date Completed: 6/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1065	0.0		Sandy SILT (ML); dark reddish brown (5YR 3/2); dry; soft; nonplastic; 60% silt; 40% fine to coarse sand; trace gravel; no odor.		Began drilling @ 0915 on 6/17/11.
5							
	■	FFOR1066 FFOR1067	0.0		SILT (ML); reddsih brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR1068 FFOR1068-MS FFOR1068-MSD	0.0		Same as above (5 ft).	ML	
15							
	■	FFOR1069	0.0		Same as above (5 ft).		
20							
	■	FFOR1070	0.0		Same as above (5 ft).		
25							Total depth = 21 ft. Reached total depth @ 0940 on 6/17/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP192

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541573.19
X Coordinate: 1473054.89

Boring Diameter (in.): 3
Date Completed: 6/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1071	0.0		Sandy SILT (ML); reddish brown (5YR 4/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 0825 on 6/17/11.
5							
	■	FFOR1072	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR1073	0.0		Same as above (5 ft); dark reddish brown (5YR 3/3); increasing plasticity; increasing clay content.	ML	
15							
	■	FFOR1074	0.0		Same as above (5 ft).		
20							
	■	FFOR1075	0.0		Same as above (5 ft).		
25							Total depth = 21 ft. Reached total depth @ 0850 on 6/17/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP193

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.5
Y Coordinate: 1541585.37
X Coordinate: 1473043.43

Boring Diameter (in.): 3
Date Completed: 6/17/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1076	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 80% silt; 20% fine sand; no odor.		Began drilling @ 0750 on 6/17/11.
5							
		FFOR1077	0.0		SILT (ML); reddish brown (5YR 4/3); moist; soft; low plasticity; 90% silt; 10% fine sand.		
10							
		FFOR1078 FFOR1079	0.0		Same as above (5 ft); dark reddish brown (5YR 3/3); increasing plasticity; increasing clay content.	ML	
15							
		FFOR1080	0.0		Same as above (5 ft); dark reddish brown (5YR 3/3); increasing plasticity; increasing clay content.		
20							
		FFOR1081	0.0		Same as above (5 ft); dark reddish brown (5YR 3/3); increasing plasticity; increasing clay content.		Total depth = 21 ft. Reached total depth @ 0805 on 6/17/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP194

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541593.25
X Coordinate: 1473054.62

Boring Diameter (in.): 3
Date Completed: 6/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1082	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to coarse sand; no odor.		Began drilling @ 1100 on 6/16/11.
5							
	■	FFOR1083	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		
10							
	■	FFOR1084	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low palsticity; 90% silt and clay; 10% fine to coarse sand; no odor.	ML	
15							
	■	FFOR1085	0.0		Same as above (10 ft).		
20							
	■	FFOR1086	0.0		Same as above (10 ft); increasing plasticity; increasing clay content.		
25							Total depth = 21 ft. Reached total depth @ 1127 on 6/16/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP195

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.3
Y Coordinate: 1541605.37
X Coordinate: 1473043.32

Boring Diameter (in.): 3
Date Completed: 6/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1087 FFOR1087-MS FFOR1087-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1020 on 6/16/11.
5							
		FFOR1088	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; trace gravel; no odor.		
10							
		FFOR1089	0.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing clay content.	ML	
15							
		FFOR1090	0.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing clay content.		
20							
		FFOR1091 FFOR1092	0.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing clay content.		Total depth = 21 ft. Reached total depth @ 1045 on 6/16/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP196

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.0
Y Coordinate: 1541613.16
X Coordinate: 1473054.52

Boring Diameter (in.): 3
Date Completed: 6/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1093	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0950 on 6/16/11.
5							
	■	FFOR1094	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.		
10							
	■	FFOR1095	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.	ML	
15							
	■	FFOR1096	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		
20							
	■	FFOR1097	0.0		Same as above (5 ft); increasing plasticity; increasing clay content.		
25							Total depth = 21 ft. Reached total depth @ 1006 on 6/16/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP197

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.2
Y Coordinate: 1541625.28
X Coordinate: 1473043.11

Boring Diameter (in.): 3
Date Completed: 6/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1098	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0900 on 6/16/11.
5							
		FFOR1099	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% very fine sand; no odor.		
10							
		FFOR1100 FFOR1101	0.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing plasticity; increasing clay content.	ML	
15							
		FFOR1102	0.0		Same as above (5 ft); reddish brown (5YR 4/4); 90% silt; 10% fine to coarse sand.		
20							
		FFOR1103	0.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing plasticity; increasing clay content.		Total depth = 21 ft. Reached total depth @ 0925 on 6/16/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP198

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541633.16
X Coordinate: 1473054.20

Boring Diameter (in.): 3
Date Completed: 6/16/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1104	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0818 on 6/16/11.
5							
	■	FFOR1105	0.0		SILT (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR1106	0.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing clay content.	ML	
15							
	■	FFOR1107	0.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing clay content.		
20							
	■	FFOR1108	0.0		Same as above (5 ft); reddish brown (5YR 4/4); increasing clay content.		Total depth = 21 ft. Reached total depth @ 0837 on 6/16/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP199

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.6
Y Coordinate: 1541645.25
X Coordinate: 1473042.84

Boring Diameter (in.): 3
Date Completed: 6/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1109	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine sand; no odor.		Began drilling @ 1105 on 6/9/11.
5							
	■	FFOR1110	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR1111 FFOR1111-MS FFOR1111-MSD	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.	ML	
15							
	■	FFOR1112	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.		
20							
	■	FFOR1113 FFOR1114	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.		Total depth = 21 ft. Reached total depth @ 1125 on 6/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP200

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541653.15
X Coordinate: 1473053.97

Boring Diameter (in.): 3
Date Completed: 6/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1115 FFOR1116	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 85% silt; 15% fine sand; trace coarse sand; no odor.		Began drilling @ 1015 on 6/9/11.
5		FFOR1117	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 95% silt; 5% fine sand; trace coarse sand; no odor.		
10		FFOR1118	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.	ML	
15		FFOR1119	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.		
20		FFOR1120	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.		Total depth = 21 ft. Reached total depth @ 1050 on 6/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP201

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.5
Y Coordinate: 1541665.28
X Coordinate: 1473042.79

Boring Diameter (in.): 3
Date Completed: 6/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1121	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% sand; no odor.		Began drilling @ 0925 on 6/9/11.
5							
		FFOR1122 FFOR1123	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
		FFOR1124 FFOR1124-MS FFOR1124-MSD	0.0		Same as above (5 ft); increasing clay content.	ML	
15							
		FFOR1125	0.0		Same as above (5 ft); increasing clay content.		
20							
		FFOR1126	0.0		Same as above (5 ft); increasing clay content.		
							Total depth = 21 ft. Reached total depth @ 1005 on 6/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP202

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541672.11
X Coordinate: 1473053.77

Boring Diameter (in.): 3
Date Completed: 6/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1127	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% silt and clay; 20% fine to coarse sand; no odor.		Began drilling @ 0900 on 6/9/11.
5		FFOR1128	0.0		Same as above (0 ft).	ML	
10		FFOR1129	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt and clay; 10% very fine sand; no odor.		
15		FFOR1130	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
20		FFOR1131	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 95% silt and clay; 5% fine sand; no odor.	ML	Total depth = 21 ft. Reached total depth @ 0915 on 6/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP203

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1541685.31
X Coordinate: 1473042.52

Boring Diameter (in.): 3
Date Completed: 6/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1132	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine to medium sand; trace coarse sand; no odor.		Began drilling @ 0755 on 6/9/11.
5							
		FFOR1133	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine to coarse sand; no odor.	ML	
10							
		FFOR1134 FFOR1135	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.		
15							
		FFOR1136	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; 95% clay and silt; 5% fine sand; no odor.	CL	
20							
		FFOR1137	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; 95% silt and clay; 5% fine sand; no odor.	ML	Total depth = 21 ft. Reached total depth @ 0840 on 6/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP204

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.4
Y Coordinate: 1541693.17
X Coordinate: 1473053.54

Boring Diameter (in.): 3
Date Completed: 6/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1138	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 60% silt; 40% fine to coarse sand; trace gravel.		Began drilling @ 1415 on 6/8/11.
5		FFOR1139	0.0		SILT (ML); reddish brown (5YR 6/3); moist; soft; nonplastic; 90% silt; 10% fine sand; no odor.		
10		FFOR1140	0.0		Same as above (5 ft); dark reddish brown (5YR 5/3); 95% silt; 5% fine sand.	ML	
15		FFOR1141	0.0		Same as above (5 ft); dark reddish brown (5YR 5/3); 95% silt and clay; 5% fine sand.		
20		FFOR1142	0.0		Same as above (5 ft); dark reddish brown (5YR 5/3); 95% silt; 5% fine sand; trace gravel.		Total depth = 21 ft. Reached total depth @ 1500 on 6/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP205

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.5
Y Coordinate: 1541705.28
X Coordinate: 1473042.31

Boring Diameter (in.): 3
Date Completed: 6/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1143 FFOR1143-MS FFOR1143-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 4/3); moist; soft; low plasticity; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1310 on 6/8/11.
5							
		FFOR1144	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; low plasticity; 90% silt; 10% fine sand; trace coarse sand; no odor.		
10							
		FFOR1145	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.	ML	
15							
		FFOR1146	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.		
20							
		FFOR1147 FFOR1148	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.		Total depth = 21 ft. Total depth reached @ 1345 on 6/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP206

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.5
Y Coordinate: 1541713.12
X Coordinate: 1473053.56

Boring Diameter (in.): 3
Date Completed: 6/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1149	0.0		SILT with Sand (ML); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 80% silt; 20% fine to medium sand; trace coarse sand; no odor.		Began drilling @ 1045 on 6/8/11.
5							
		FFOR1150	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; trace coarse sand; no odor.		
10							
		FFOR1151	0.0		Same as above (5 ft); reddish brown (5YR 4/4); 90% silt; 10% fine sand; trace coarse sand; no odor.	ML	
15							
		FFOR1152	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.		
20							
		FFOR1153	0.0		Same as above (5 ft); 95% silt and clay; 5% fine sand.		
							Total depth = 21 ft. Reached total depth @ 1030 on 6/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP207

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.7
Y Coordinate: 1541725.30
X Coordinate: 1473042.23

Boring Diameter (in.): 3
Date Completed: 6/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1154	0.0		SILT with Sand (ML); dark reddish gray (5YR 4/2); moist; soft; nonplastic; 85% silt and clay; 15% fine sand; trace coarse sand; no odor.		Began drilling @ 0955 on 6/8/11.
5							
		FFOR1155	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; trace coarse sand; no odor.		
10							
		FFOR1156 FFOR1157	0.0		Same as above (5 ft); dark reddish brown (5YR 3/3); 95% silt and clay; 5% fine sand.	ML	
15							
		FFOR1158	0.0		Same as above (5 ft); dark reddish brown (5YR 3/3); 95% silt and clay; 5% fine sand; trace coarse sand.		
20							
		FFOR1159	0.0		Same as above (5 ft); dark reddish brown (5YR 3/3); 95% silt and clay; 5% fine sand.		Total depth = 21 ft. Reached total depth @ 1020 on 6/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP208

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.6
Y Coordinate: 1541733.10
X Coordinate: 1473053.23

Boring Diameter (in.): 3
Date Completed: 6/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1160	0.0		SILT with Sand (ML); dark reddish gray (5YR 4/2); moist; soft; low plasticity; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0900 on 6/8/11.
5							
		FFOR1161	0.0		SILT (ML); light reddish brown (5YR 6/3); moist; soft; nonplastic; 90% silt; 10% very fine sand; trace coarse sand; no odor.		
10							
		FFOR1162	0.0		Same as above (5 ft); reddish brown (5YR 4/4).	ML	
15							
		FFOR1163	0.0		Same as above (5 ft); 100% silt and clay.		
20							
		FFOR1164	0.0		Same as above (5 ft); 100% silt and clay.		
25							Total depth = 21 ft. Reached total depth @ 0925 on 6/8/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP209

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.4
Y Coordinate: 1541745.31
X Coordinate: 1473042.03

Boring Diameter (in.): 3
Date Completed: 6/8/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1165	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 60% silt; 10% clay; 30% fine to coarse sand; trace gravel; no odor.		Began drilling @ 0800 on 6/8/11.
5							
		FFOR1166	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 90% silt; 10% fine sand; no odor.		
10							
		FFOR1167 FFOR1167-MS FFOR1167-MSD	0.0		Same as above (5 ft).	ML	
15							
		FFOR1168	0.0		Same as above (5 ft); dark reddish brown (5YR 3/3); 80% silt; 10% clay; 10% fine sand; no odor.		
20							
		FFOR1169 FFOR1170	0.0				Total depth = 21 ft. Reached total depth @ 0840 on 6/8/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP210

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.6
Y Coordinate: 1541753.14
X Coordinate: 1473052.91

Boring Diameter (in.): 3
Date Completed: 6/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1171 FFOR1172	1.1		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% silt; 5% clay; 15% fine to medium sand; trace coarse sand; no odor.		Began drilling @ 1430 on 6/7/11.
5							
		FFOR1173	0.2		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		
10							
		FFOR1174	0.2		Same as above (5 ft).	ML	
15							
		FFOR1175	0.5		SILT with Sand (ML); reddish brown (5YR 4/4); moist; low plasticity; 85% silt; 15% fine to coarse sand; no odor.		
20							
		FFOR1176	0.1				
							Total depth = 21 ft. Reached total depth @ 1500 on 6/7/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP211

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541765.28
X Coordinate: 1473041.86

Boring Diameter (in.): 3
Date Completed: 6/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1177	0.9		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine sand; no odor.		Began drilling @ 1330 on 6/7/11.
5							
		FFOR1178 FFOR1179	0.1		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
		FFOR1180 FFOR1180-MS FFOR1180-MSD	0.0		Same as above (5 ft).	ML	
15							
		FFOR1181	0.0		Same as above (5 ft).		
20							
		FFOR1182	6.0		Same as above (5 ft).		
25							Total depth = 21 ft. Reached total depth @ 1415 on 6/7/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP212

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.4
Y Coordinate: 1541773.00
X Coordinate: 1473052.78

Boring Diameter (in.): 3
Date Completed: 6/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1183	0.4		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% sand; trace coarse sand; no odor.		Began drilling @ 1250 on 6/7/11.
5							
	■	FFOR1184	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR1185	0.0		Same as above (5 ft).	ML	
15							
	■	FFOR1186	0.0		Same as above (5 ft); 80% silt; 20% clay.		
20							
	■	FFOR1187	0.0		Same as above (5 ft); 80% silt; 20% clay.		
							Total depth = 21 ft. Reached total depth @ 1310 on 6/7/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP213

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541785.23
X Coordinate: 1473041.67

Boring Diameter (in.): 3
Date Completed: 6/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1188	0.3		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 80% silt; 20% sand; no odor.		Began drilling @ 1100 on 6/7/11.
5							
		FFOR1189	0.2		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% silt; 20% clay; no odor.		
10							
		FFOR1190 FFOR1191	0.0		Same as above (5 ft).	ML	
15							
		FFOR1192	0.0		Same as above (5 ft); 60% silt; 40% clay.		
20							
		FFOR1193	NR		Same as above (5 ft); 60% silt; 40% clay.		
25							Total depth = 21 ft. Reached total depth @ 1130 on 6/7/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP214

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1541793.11
X Coordinate: 1473052.53

Boring Diameter (in.): 3
Date Completed: 6/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1194	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		Began drilling @ 1020 on 6/7/11.
5		FFOR1195	0.1		Same as above (0 ft).		
10		FFOR1196	0.1		Same as above (0 ft); 80% silt; 20% clay.	ML	
15		FFOR1197	0.0		Same as above (0 ft); 60% silt; 40% clay.		
20		FFOR1198	0.3		Same as above (0 ft); 60% silt; 40% clay.		
25							Total depth = 21 ft. Reached total depth @ 1040 on 6/7/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP215

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5342.9
Y Coordinate: 1541805.23
X Coordinate: 1473041.50

Boring Diameter (in.): 3
Date Completed: 6/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1199 FFOR1199-MS FFOR1199-MSD	0.0		SILT with Sand (ML); reddish gray (5YR 5/2); moist; soft; low plasticity; 70% silt; 10% clay; 20% fine sand; no odor.		Began drilling @ 0910 on 6/7/11.
5							
		FFOR1200	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 90% silt; 10% fine sand.		
10							
		FFOR1201	0.0		Same as above (5 ft); 80% silt; 20% clay.	ML	
15							
		FFOR1202	0.0		Same as above (5 ft).		
20							
		FFOR1203 FFOR1204	0.1		Same as above (5 ft); 80% silt; 20% clay.		
							Total depth = 21 ft. Reached total depth @ 0950 on 6/7/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP216

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1541813.19
X Coordinate: 1473052.42

Boring Diameter (in.): 3
Date Completed: 6/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1205	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; firm; low plasticity; 80% silt; 20% fine sand; trace coarse sand; no odor.		Began drilling @ 0840 on 6/7/11.
5							
		FFOR1206	0.0		SILT (ML); reddish brown (5YR 4/3); moist; soft; low plasticity; 90% silt; 10% sand; no odor.		
10							
		FFOR1207	0.0		Same as above (5 ft); 80% silt; 20% clay.	ML	
15							
		FFOR1208	0.0		Same as above (5 ft); 80% silt; 20% clay.		
20							
		FFOR1209	0.0		Same as above (5 ft).		
							Total depth = 21 ft. Reached total depth @ 0900 on 6/7/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP217

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.1
Y Coordinate: 1541825.26
X Coordinate: 1473041.29

Boring Diameter (in.): 3
Date Completed: 6/7/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1210	0.0		Sandy SILT (ML); reddish gray (5YR 5/2); dry; soft; nonplastic; 60% silt; 10% clay; 30% very fine sand; no odor.		Began drilling @ 0755 on 6/7/11.
5							
	■	FFOR1211	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% very fine sand.		
10							
	■	FFOR1212 FFOR1213	0.0		Same as above (5 ft); 80% silt; 20% clay.	ML	
15							
	■	FFOR1214	0.0		Same as above (5 ft); 80% silt; 20% clay.		
20							
	■	FFOR1215	0.0		Same as above (5 ft); 80% silt; 20% clay.		
25							Total depth = 21 ft. Reached total depth @ 0830 on 6/7/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP218

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.0
Y Coordinate: 1541833.14
X Coordinate: 1473052.16

Boring Diameter (in.): 3
Date Completed: 6/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1216	0.0		Sandy SILT (ML); light reddish brown (5YR 6/4); dry; soft; nonplastic; 70% silt; 30% very fine sand; trace gravel; no odor.		Began drilling @ 1101 on 6/6/11.
5							
		FFOR1217	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 80% silt; 20% very fine sand; no odor.		
10							
		FFOR1218	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% silt; 30% clay; 10% very fine sand; no odor.	ML	
15							
		FFOR1219	0.0		Same as above (10 ft).		
20							
		FFOR1220	0.0				
							Total depth = 21 ft. Reached total depth @ 1130 on 6/6/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP219

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541845.30
X Coordinate: 1473041.18

Boring Diameter (in.): 3
Date Completed: 6/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1221	0.0		Sandy SILT (ML); light reddish brown (5YR 6/4); dry; soft; nonplastic; 60% silt; 40% very fine to medium sand; trace gravel; no odor.		Began drilling @ 1015 on 6/6/11.
5							
		FFOR1222	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 80% silt; 20% very fine sand; no odor.		
10							
		FFOR1223 FFOR1223-MS FFOR1223-MSD	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 70% silt; 20% clay; 10% very fine sand; no odor.	ML	
15							
		FFOR1224	0.0		Same as above (10 ft); 70% silt; 30% clay.		
20							
		FFOR1225 FFOR1226	0.0		Same as above (10 ft); 60% silt; 30% clay; 10% very fine sand.		
25							Total depth = 21 ft. Reached total depth @ 1040 on 6/6/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP220

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.2
Y Coordinate: 1541853.11
X Coordinate: 1473052.01

Boring Diameter (in.): 3
Date Completed: 6/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1227 FFOR1228	0.0		Silty SAND (SM); light reddish brown (5YR 6/4); dry; medium dense; 50% fine sand; 10% coarse sand; 40% silt; no odor.	SM	Began drilling @ 0924 on 6/6/11.
5							
		FFOR1229	0.0		Sandy SILT (ML); reddish brown (5YR 5/4); moist; soft; nonplastic; 70% silt; 30% very fine sand; trace coarse sand; no odor.	ML	
10							
		FFOR1230	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 80% silt; 10% very fine sand; 10% coarse sand; trace gravel; no odor.		
15							
		FFOR1231	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 70% silt; 20% clay; 10% medium to coarse sand; no odor.		
20							
		FFOR1232	0.0		Sandy SILT (ML); reddish brown (5YR 5/4); dry; soft; nonplastic; 60% silt; 40% fine to medium sand; trace gravel; no odor.		Total depth = 21 ft. Reached total depth @ 0956 on 6/6/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP221

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1541865.27
X Coordinate: 1473040.92

Boring Diameter (in.): 3
Date Completed: 6/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1233	0.0		Gravelly SILT with Sand (ML); reddish brown (5YR 5/4); dry; soft; nonplastic; 55% silt; 25% gravel; 20% fine sand; no odor.		Began drilling @ 0839 on 6/6/11.
5							
		FFOR1234 FFOR1235	0.0		Sandy SILT (ML); reddish brown (5YR 5/4); moist; soft; nonplastic; 70% silt; 25% very fine sand; 5% coarse sand; no odor.		
10							
		FFOR1236 FFOR1236-MS FFOR1236-MSD	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% silt; 30% clay; 10% very fine sand; no odor.	ML	
15							
		FFOR1237	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% silt; 30% clay; 10% very fine sand; no odor.		
20							
		FFOR1238	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% silt; 20% clay; 20% very fine sand; no odor.		Total depth = 21 ft. Reached total depth @ 0908 on 6/6/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP222

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.5
Y Coordinate: 1541873.10
X Coordinate: 1473051.78

Boring Diameter (in.): 3
Date Completed: 6/6/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1239	0.0		SILT with Sand (ML); yellowish red (5YR 5/6); dry; soft; nonplastic; 80% silt; 20% very fine sand; trace gravel; no odor.		Began drilling @ 0800 on 6/6/11.
5		FFOR1240	0.0		Sandy SILT (ML); yellowish red (5YR 5/6); moist; soft; nonplastic; 70% silt; 20% very fine sand; 10% coarse sand; no odor.		
10		FFOR1241	0.0		SILT (ML); reddish brown (5YR 4/4); moist; firm; low plasticity; 60% silt; 30% clay; 10% very fine sand; no odor.	ML	
15		FFOR1242	0.0		Same as above (10 ft); 70% silt; 20% clay; 10% very fine sand.		
20		FFOR1243	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 60% silt; 30% very fine sand; 10% coarse sand; no odor.		Total depth = 21 ft; Total depth reached @ 0827 on 6/6/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP223

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541885.25
X Coordinate: 1473040.76

Boring Diameter (in.): 3
Date Completed: 6/5/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1244	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% sand; no odor.		Began drilling @ 1455 on 6/5/11.
5							
		FFOR1245	0.0		SILT (ML); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 90% silt; 10% fine sand.		
10							
		FFOR1246 FFOR1247	0.0		Same as above (5 ft); 80% silt; 20% clay.	ML	
15							
		FFOR1248	0.0		Same as above (5 ft); 70% silt; 30% clay.		
20							
		FFOR1249	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; firm; medium plasticity; 60% clay; 40% silt.	CL	Total depth = 21 ft. Reached total depth @ 1540 on 6/5/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP224

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1541893.16
X Coordinate: 1473051.53

Boring Diameter (in.): 3
Date Completed: 6/5/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1250	0.0		SILT (ML); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 90% silt; 10% clay; trace coarse sand; no odor.		Began drilling @ 1410 on 6/5/11.
5		FFOR1251	0.0		SILT with Sand (ML); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 85% silt; 15% fine sand; trace coarse sand; no odor.		
10		FFOR1252	0.0		SILT (ML); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 90% silt; 10% clay; trace coarse sand; no odor.	ML	
15		FFOR1253	0.0		Same as above (10 ft); 80% silt; 20% clay.		
20		FFOR1254	0.0		Same as above (10 ft); 80% silt; 20% clay.		
25							Total depth = 21 ft. Reached total depth @ 1445 on 6/5/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP225

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541905.29
X Coordinate: 1473040.54

Boring Diameter (in.): 3
Date Completed: 6/5/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1255 FFOR1255-MS FFOR1255-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 85% silt; 15% fine sand; trace coarse sand; no odor.		Began drilling @ 1320 on 6/5/11.
5							
		FFOR1256	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 95% silt; 5% fine sand; trace coarse sand; no odor.		
10							
		FFOR1257	0.0		SILT (ML); dark reddish brown (5YR 4/3); moist; firm; low plasticity; 60% silt; 40% clay; no odor.	ML	
15							
		FFOR1258	0.0		Same as above (10 ft).		
20							
		FFOR1259 FFOR1260	0.0		Same as above (10 ft); 80% silt; 20% clay.		
							Total depth = 21 ft. Reached total depth @ 1352 on 6/5/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP226

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1541913.10
X Coordinate: 1473051.30

Boring Diameter (in.): 3
Date Completed: 6/5/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1261	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 1240 on 6/5/11.
5							
	■	FFOR1262	0.0		Same as above (0 ft).		
10						ML	
	■	FFOR1263	0.0		Same as above (0 ft); 70% silt; 30% clay.		
15							
	■	FFOR1264	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 70% clay; 30% silt; no odor.	CL	
20							
	■	FFOR1265	0.0		SILT (ML); reddish brown (5YR 4/4); moist; firm; low plasticity; 70% silt; 30% clay; no odor.	ML	Total depth = 21 ft. Reached total depth @ 1305 on 6/5/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP227

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1541925.18
X Coordinate: 1473040.40

Boring Diameter (in.): 3
Date Completed: 6/5/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1266	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; 65% silt; 30% fine sand; 5% gravel; no odor.		Began drilling @ 1015 on 6/5/11.
5		FFOR1267	0.0		Same as above (0 ft).	ML	
10		FFOR1268 FFOR1269	0.0		Lean CLAY (CL); dark reddish brown (5YR 5/3); moist; soft; 70% clay; 20% silt; 10% fine sand.		
15		FFOR1270	0.0		Same as above (10 ft).	CL	
20		FFOR1271	0.0		Same as above (10 ft).		
25							Total depth = 21 ft. Reached total depth @ 1045 on 6/5/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP228

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.4
Y Coordinate: 1541933.06
X Coordinate: 1473051.12

Boring Diameter (in.): 3
Date Completed: 6/5/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1272	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 70% silt; 20% clay; 10% fine sand; no odor.		Began drilling @ 0930 on 6/5/11.
5		FFOR1273	0.0		Same as above (0 ft); 80% silt; 10% clay; 10% fine sand.	ML	
10		FFOR1274	0.0		Same as above (0 ft); 70% silt; 30% clay.		
15		FFOR1275	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% clay; 40% silt.	CL	
20		FFOR1276	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 70% silt; 30% clay.	ML	Total depth = 21 ft. Reached total depth @ 1000 on 6/5/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP229

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1541945.15
X Coordinate: 1473040.21

Boring Diameter (in.): 3
Date Completed: 6/5/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1277	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine sand; trace coarse sand; no odor.		Began drilling @ 0845 on 6/5/11.
5							
		FFOR1278	0.0		SILT (ML); dark reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% clay; trace fine sand; no odor.		
10							
		FFOR1279 FFOR1279-MS FFOR1279-MSD	0.0		Same as above (5 ft).	ML	
15							
		FFOR1280	0.0		Same as above (5 ft); 70% silt; 30% clay.		
20							
		FFOR1281 FFOR1282	0.0		Same as above (5 ft).		
25							Total depth = 21 ft. Reached total depth @ 0921 on 6/5/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP230

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.5
Y Coordinate: 1541953.12
X Coordinate: 1473050.89

Boring Diameter (in.): 3
Date Completed: 6/5/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1283 FFOR1284	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine sand; trace coarse sand; no odor.		Began drilling @ 0810 on 6/5/11.
5							
		FFOR1285	0.0		SILT (ML); reddish brown (5YR 4/3); moist; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR1286	0.0		Same as above (5 ft); 70% silt; 20% clay; 10% fine sand.		
15							
		FFOR1287	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; firm; medium plasticity; 60% clay; 40% silt; no odor.	CL	
20							
		FFOR1288	0.0		SILT (ML); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 60% silt; 40% clay; no odor.	ML	Total depth = 21 ft. Reached total depth @ 0830 on 6/5/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP231

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1541965.20
X Coordinate: 1473039.98

Boring Diameter (in.): 3
Date Completed: 6/4/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1289	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% fine sand; no odor.		Began drilling @ 1520 on 6/4/11.
5							
		FFOR1290 FFOR1291	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	
10							
		FFOR1292 FFOR1292-MS FFOR1292-MSD	0.0		Same as above (5 ft); 70% silt; 20% clay; 10% fine sand.		
15							
		FFOR1293	0.0		Lean CLAY (CL); reddish brown (5YR 5/3); moist; firm; medium plasticity; 60% clay; 40% silt; no odor.	CL	
20							
		FFOR1294	0.0		Same as above (15 ft).		
							Total depth = 21 ft. Reached total depth @ 1545 on 6/4/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP232

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.5
Y Coordinate: 1541973.04
X Coordinate: 1473050.79

Boring Diameter (in.): 3
Date Completed: 6/4/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0					MISSING LOG		
5							
10							
15							
20							
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP233

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541985.20
X Coordinate: 1473039.86

Boring Diameter (in.): 3
Date Completed: 6/4/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1300	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 90% silt; 10% fine sand; no odor.		Began drilling @ 1300 on 6/4/11.
5							
		FFOR1301	NR		Same as above (0 ft); trace coarse sand.	ML	
10							
		FFOR1302 FFOR1303	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 80% clay; 20% silt; trace fine sand; no odor.		
15							
		FFOR1304	0.0		Same as above (10 ft); 60% clay; 40 silt.	CL	
20							
		FFOR1305	0.0		Same as above (10 ft).		
							Total depth = 21 ft. Reached total depth @ 1400 on 6/4/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP234

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.2
Y Coordinate: 1541992.98
X Coordinate: 1473046.50

Boring Diameter (in.): 3
Date Completed: 6/4/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1306	2576.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% silt; 20% fine sand; trace gravel; strong odor.		Began drilling @ 1245 on 6/4/11. Location is directly in front of culvert mouth.
5							
		FFOR1307	583.0		Same as above (0 ft).	ML	
10							
		FFOR1308	3.4		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium plasticity; 60% clay; 40% silt; slight odor.	CL	
					Silty SAND (SM); reddish brown (5YR 4/4); moist; loose; 50% fine to coarse sand; 30% silt; 20% clay; no odor.	SM	Odor disappears in silty sand.
15							
		FFOR1309	1.2				
					Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 60% clay; 30% silt; 10% fine sand.	CL	Odor becomes strong in clay layer and decreases toward total depth.
20							
		FFOR1310	1.2				
							Total depth = 21 ft. Reached total depth @ 1315 on 6/4/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP235

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1542005.19
X Coordinate: 1473039.63

Boring Diameter (in.): 3
Date Completed: 6/4/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1311 FFOR1311-MS FFOR1311-MSD	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 1000 on 6/4/11.
5							
		FFOR1312	0.0		Same as above (0 ft).		
10							
		FFOR1313	0.0		Same as above (0 ft); 80% silt; 15% clay; 5% medium sand; trace gravel.	ML	
15							
		FFOR1314	0.0		Same as above (0 ft); 60% silt; 40% clay.		
20							
		FFOR1315 FFOR1316	0.0		Same as above (0 ft); 60% silt; 40% clay.		Total depth = 21 ft. Reached total depth @ 1028 on 6/4/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP236

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.9
Y Coordinate: 1542013.02
X Coordinate: 1473050.32

Boring Diameter (in.): 3
Date Completed: 6/4/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1317	0.0		SILT (ML); dark reddish brown (5YR 3/3); dry; firm; low to medium plasticity; 60% silt; 40% clay; no odor.		Began drilling @ 0915 on 6/4/11.
5		FFOR1318	0.0		Same as above (0 ft); 80% silt; 10% clay; 10% fine sand.	ML	
10		FFOR1319	0.0		Same as above (0 ft); 90% silt; 10% fine sand.		
15		FFOR1320	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; soft; medium to high plasticity; 90% clay; 10% silt; no odor.	CL	
20		FFOR1321	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% clay; no odor.	ML	Total depth = 21 ft. Reached total depth @ 0945 on 6/4/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP237

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.7
Y Coordinate: 1542033.00
X Coordinate: 1473050.09

Boring Diameter (in.): 3
Date Completed: 6/4/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1322	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% fine sand; no odor.		Began drilling @ 0832 on 6/4/11.
5							
	■	FFOR1323	0.0		Same as above (0 ft).		
10							
	■	FFOR1324 FFOR1325	0.0		SILT (ML); dark reddish brown (5YR 3/4); moist; soft; low plasticity; 60% silt; 40% clay; no odor.	ML	
15							
	■	FFOR1326	0.0		Same as above (10 ft).		
20							
	■	FFOR1327	0.0		Same as above (10 ft); 70% silt; 30% clay; trace coarse sand.		
							Total depth = 21 ft. Reached total depth @ 0855 on 6/4/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP238

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.8
Y Coordinate: 1542053.06
X Coordinate: 1473049.87

Boring Diameter (in.): 3
Date Completed: 6/4/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1328	0.0		Sandy SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 70% silt; 30% fine sand; trace coarse sand; no odor.		Began drilling @ 0749 on 6/4/11.
5							
	■	FFOR1329	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 90% silt; 10% very fine sand; trace coarse sand; no odor.		
10							
	■	FFOR1330	0.0		SILT (ML); dark reddish brown (5YR 3/4); moist; soft; low plasticity; 70% silt; 30% clay; no odor.	ML	
15							
	■	FFOR1331	0.0		Same as above (10 ft); 60% silt; 40% clay.		
20							
	■	FFOR1332	0.0		Same as above (10 ft).		
25							Total depth = 21 ft. Reached total depth @ 0816 on 6/4/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP239

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.9
Y Coordinate: 1542072.99
X Coordinate: 1473049.62

Boring Diameter (in.): 3
Date Completed: 6/3/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1333	0.0		Silty SAND (SM); reddish brown (5YR 5/4); dry; loose; 70% very fine sand; trace coarse sand; rounded; 30% silt; no odor.	SM	Began drilling @ 1450 on 6/3/11.
5							
		FFOR1334	0.0		Sandy SILT (ML); yellowish red (5YR 5/6); dry; soft; nonplastic; 70% silt; 30% very fine sand; trace coarse sand; no odor.	ML	
10							
		FFOR1335 FFOR1335-MS FFOR1335-MSD	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% silt; 30% clay; 10% very fine sand; trace coarse sand; no odor.		
15							
		FFOR1336	0.0		Same as above (10 ft); 55% silt; 35% clay; 10% very fine sand; trace gravel.		
20							
		FFOR1337 FFOR1338	0.9		Same as above (10 ft); 70% silt; 20% clay; 10% very fine sand; trace coarse sand.		Total depth = 21 ft. Reached total depth @ 1525 on 6/3/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP240

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.0
Y Coordinate: 1542093.02
X Coordinate: 1473049.46

Boring Diameter (in.): 3
Date Completed: 6/3/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1339 FFOR1340	0.0		Sandy SILT (ML); reddish brown (5YR 5/4); dry; soft; low plasticity; 70% silt; 30% very fine sand; trace coarse sand; no odor.		Began drilling @ 1405 on 6/3/11.
5		FFOR1341	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); dry; soft; low plasticity; 80% silt; 20% very fine sand; trace gravel; no odor.		
10		FFOR1342	0.0		Same as above (5 ft); no gravel.	ML	
15		FFOR1343	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% silt; 30% clay; 10% very fine sand; no odor.		
20		FFOR1344	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% silt; 5% clay; 15% very fine sand; trace gravel; no odor.		Total depth = 21 ft. Reached total depth @ 1430 on 6/3/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP241

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.3
Y Coordinate: 1542113.04
X Coordinate: 1473049.18

Boring Diameter (in.): 3
Date Completed: 6/3/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1345	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 60% silt; 10% clay; 30% very fine sand; no odor.		Began drilling @ 1320 on 6/3/11.
5							
		FFOR1346 FFOR1347	0.0		SILT with Sand (ML); light reddish brown (5YR 6/4); dry; soft; low plasticity; 70% silt; 10% clay; 20% fine sand; no odor.	ML	
10							
		FFOR1348 FFOR1348-MS FFOR1348-MSD	0.0		Lean CLAY with Sand (CL); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% clay; 25% very fine sand; 15% silt; no odor.	CL	
15							
		FFOR1349	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 70% silt; 30% clay; 10% very fine sand; no odor.	ML	
20							
		FFOR1350	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 75% silt; 25% fine sand; trace gravel; no odor.		Total depth = 21 ft. Total depth reached @ 1350 on 6/3/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP242

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542132.98
X Coordinate: 1473048.92

Boring Diameter (in.): 3
Date Completed: 6/3/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1351	0.0		Sandy SILT (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 60% silt; 10% clay; 30% fine sand; no odor.	ML	Began drilling @ 1230 on 6/3/11.
5							
		FFOR1352	0.0		Silty SAND (SM); reddish yellow (5YR 5/6); dry; medium dense; 60% fine sand; 40% silt; no odor.	SM	
10							
		FFOR1353	0.0		SILT with Sand (ML); yellowish red (5YR 5/6); dry; soft; low plasticity; 60% silt; 25% clay; 15% fine sand; no odor.	ML	
15							
		FFOR1354	0.0		SILT (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 60% silt; 30% clay; 10% fine sand; no odor.		
20							
		FFOR1355	0.0		SILT with Sand (ML); yellowish red (5YR 4/6); dry; soft; low plasticity; 70% silt; 10% clay; 20% fine sand; no odor.		Total depth = 21 ft. Reached total depth @ 1310 on 6/3/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP243

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542152.99
X Coordinate: 1473048.79

Boring Diameter (in.): 3
Date Completed: 6/3/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Caitlin LaChance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1356	0.0		Silty SAND (SM); yellowish red (5YR 4/6); moist; medium dense; 60% fine sand; rounded; 40% silt; no odor.	SM	Began drilling @ 1030 on 6/3/11.
5							
		FFOR1357	0.0		SILT with Sand (ML); yellowish red (5YR 5/6); moist; soft; low plasticity; 85% silt; 15% very fine sand; no odor.	ML	
10							
		FFOR1358 FFOR1359	0.1		SILT (ML); yellowish red (5YR 4/6); moist; soft; low plasticity; 60% silt; 30% clay; 10% very fine sand; no odor.		
15							
		FFOR1360	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% clay; 20% silt; trace fine sand; no odor.	CL	
20							
		FFOR1361	0.0		SILT (ML); yellowish red (5YR 5/6); moist; soft; 60% silt; 30% clay; 10% fine sand; no odor.	ML	Total depth = 21 ft. Reached total depth @ 1057 on 6/3/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP244

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542173.01
X Coordinate: 1473048.60

Boring Diameter (in.): 3
Date Completed: 6/3/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1362	0.0		SILT (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 60% silt; 30% clay; 10% fine sand.		Began drilling on 6/3/11.
5		FFOR1363	0.1		Same as above (0 ft); 90% silt; 10% fine sand.		
10		FFOR1364	0.0		Same as above (0 ft); 90% silt; 10% fine sand.	ML	
15		FFOR1365	0.0		Same as above (0 ft); 90% silt; 10% fine sand.		
20		FFOR1366	0.0		Same as above (0 ft); 90% silt; 10% fine sand; trace coarse sand.		Total depth = 21 ft. Reached total depth on 6/3/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP245

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542193.04
X Coordinate: 1473048.38

Boring Diameter (in.): 3
Date Completed: 6/3/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1367 FFOR1367-MS FFOR1367-MSD	0.0		Sandy SILT (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 50% silt; 20% clay; 30% very fine sand; no odor.		Began drilling on 6/3/11.
5							
		FFOR1368	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% silt; 20% very fine sand; no odor.		
10							
		FFOR1369	0.0		SILT (ML); reddish brown (5YR 4/4); moist; firm; low plasticity; 65% silt; 35% clay; no odor.	ML	
15							
		FFOR1370	0.0		Same as above (10 ft).		
20							
		FFOR1371 FFOR1372	0.0		Same as above (10 ft); 60% silt; 30% clay; 10% fine sand.		Total depth = 21 ft. Reached total depth on 6/3/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP246

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.6
Y Coordinate: 1542212.93
X Coordinate: 1473048.10

Boring Diameter (in.): 3
Date Completed: 6/3/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1373	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 70% silt; 30% clay; no odor.		Began drilling @ 0810 on 6/3/11.
5		FFOR1374	0.0		Same as above (0 ft); trace coarse sand.		
10		FFOR1375	0.0		Same as above (0 ft); trace gravel.	ML	
15		FFOR1376	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% silt; 40% clay; trace fine sand; no odor.		
20		FFOR1377	0.0		Same as above (15 ft).		
25							Total depth = 21 ft. Reached total depth @ 0840 on 6/3/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP247

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.7
Y Coordinate: 1542233.00
X Coordinate: 1473047.93

Boring Diameter (in.): 3
Date Completed: 6/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: John Nance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1378	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); dry; soft; nonplastic; 75% silt; 20% sand; 5% gravel.		Began drilling @ 1455 on 6/2/11.
5							
		FFOR1379	0.0		SILT with Sand (ML); light brown (7.5YR 6/4); moist; soft; low plasticity; 85% silt; 15% sand.	ML	
10							
		FFOR1380 FFOR1381	0.0		SILT with Sand (ML); yellowish red (5YR 4/6); moist; firm; low plasticity; 60% silt; 20% clay; 20% sand.		
15							
		FFOR1382	0.0		Lean CLAY with Sand (CL); yellowish red (5YR 4/6); moist; firm; low plasticity; 55% clay; 30% silt; 15% sand.	CL	
20							
		FFOR1383	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 85% silt; 10% sand; 5% gravel.	ML	Total depth = 21 ft. Reached total depth @ 1529 on 6/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP248

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.9
Y Coordinate: 1542252.95
X Coordinate: 1473047.72

Boring Diameter (in.): 3
Date Completed: 6/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: John Nance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1384	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); moist; soft; nonplastic; 80% silt; 15% sand; 5% gravel; no odor.		Began drilling @ 1400 on 6/2/11.
5							
	■	FFOR1385	0.0		Same as above (0 ft); low plasticity; 80% silt; 15% sand; 5% gravel.	ML	
10							
	■	FFOR1386	0.0		Sandy SILT (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 70% silt; 25% sand; 5% gravel.		
15							
	■	FFOR1387	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; firm; low plasticity; 55% clay; 40% silt; 5% sand.	CL	
20							
	■	FFOR1388	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); moist; firm; low plasticity; 80% silt; 20% sand.	ML	Total depth = 21 ft. Reached total depth @ 1441 on 6/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP249

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.9
Y Coordinate: 1542272.96
X Coordinate: 1473046.46

Boring Diameter (in.): 3
Date Completed: 6/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: John Nance

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1389	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); dry; soft; nonplastic; 80% silt; 15% sand; 5% gravel.		Began drilling @ 1316 on 6/2/11.
5							
		FFOR1390	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 85% silt; 15% sand.	ML	
10							
		FFOR1391 FFOR1391-MS FFOR1391-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 75% silt; 20% sand; 5% gravel.		
15							
		FFOR1392	0.0		Lean CLAY (CL); yellowish red (5YR 4/6); moist; firm; low plasticity; 55% clay; 40% silt; 5% sand.	CL	
20							
		FFOR1393 FFOR1394	0.0		SILT with Sand (ML); yellowish red (5YR 5/6); moist; firm; low plasticity; 80% silt; 15% sand; 5% gravel.	ML	Total depth = 21 ft. Reached total depth @ 1355 on 6/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP250

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5346.1
Y Coordinate: 1542292.90
X Coordinate: 1473046.35

Boring Diameter (in.): 3
Date Completed: 6/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1395 FFOR1396	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 90% silt; 10% fine to medium sand.		Began drilling @ 1240 on 6/2/11.
5							
		FFOR1397	0.0		SILT with Sand (ML); brown (7.5YR 5/4); moist; soft; low plasticity; 80% silt; 15% sand; 5% gravel.	ML	
10							
		FFOR1398	0.0		SILT with Sand (ML); yellowish red (5YR 5/6); moist; soft; nonplastic; 75% silt; 20% sand; 5% gravel.		
15							
		FFOR1399	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; firm; low plasticity; 60% clay; 35% silt; 5% sand.	CL	
20							
		FFOR1400	0.0		SILT with Sand (ML); light reddish brown (5YR 6/4); moist; soft; low plasticity; 75% silt; 20% sand; 5% gravel.	ML	Total depth = 21 ft. Reached total depth @ 1313 on 6/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP251

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5346.0
Y Coordinate: 1542312.92
X Coordinate: 1473046.08

Boring Diameter (in.): 3
Date Completed: 6/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1401	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 75% silt; 20% clay; 5% fine sand; no odor.		Began drilling @ 1035 on 6/2/11.
5							
		FFOR1402 FFOR1403	0.0		SILT (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 80% silt; 15% clay; 5% fine sand; no odor.	ML	
10							
		FFOR1404 FFOR1404-MS FFOR1404-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 5/4); moist; soft; low plasticity; 80% silt; 15% sand; 5% gravel; no odor.		
15							
		FFOR1405	0.0		Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 80% silt; 15% clay; 5% sand; no odor.	MH	
20							
		FFOR1406	0.0		SILT with Sand (ML); light reddish brown (5YR 6/4); moist; soft; low plasticity; 75% silt; 25% sand; no odor.	ML	Total depth = 21 ft. Reached total depth @ 1118 on 6/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP252

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5346.2
Y Coordinate: 1542332.87
X Coordinate: 1473045.85

Boring Diameter (in.): 3
Date Completed: 6/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1407	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 0955 on 6/2/11.
5		FFOR1408	0.0		Same as above (0 ft).	ML	
10		FFOR1409	0.0		Lean CLAY (CL); dark reddish brown (5YR 3/3); moist; firm; low plasticity; 60% clay; 30% silt; 10% very fine sand.		
15		FFOR1410	0.0		Same as above (10 ft).	CL	
20		FFOR1411	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 60% silt; 30% clay; 10% very fine sand; no odor.	ML	Total depth = 21 ft. Reached total depth @ 1015 on 6/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP253

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5346.1
Y Coordinate: 1542352.92
X Coordinate: 1473045.62

Boring Diameter (in.): 3
Date Completed: 6/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1412	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1420 on 6/2/11.
5							
		FFOR1413	0.0		Same as above (0 ft).	ML	
10							
		FFOR1414 FFOR1415	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; low plasticity; 80% clay; 20% silt; no odor.	CL	
15							
		FFOR1416	0.0		SILT (ML); dark reddish brown (5YR 3/3); moist; soft; low plasticity; 80% silt; 20% clay; no odor.	ML	
20							
		FFOR1417	0.0		Same as above (15 ft).		
							Total depth = 21 ft. Reached total depth @ 1500 on 6/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP254

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5346.7
Y Coordinate: 1542372.96
X Coordinate: 1473045.54

Boring Diameter (in.): 3
Date Completed: 6/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							Began drilling @ 0810 on 6/2/11.
	■	FFOR1418	NR		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 100% silt; trace coarse sand; no odor.	ML	
5							
	■	FFOR1419	0.0		Same as above (0 ft); 90% silt; 10% clay.		
10							
	■	FFOR1420	0.0		Same as above (0 ft); 80% silt; 10% clay; 10% fine to medium sand.		
15							
	■	FFOR1421	0.0		Lean CLAY (CL); reddish brown (5YR 4/3); moist; firm; medium plasticity; 80% clay; 20% silt; no odor.	CL	
					SILT (ML); reddish brown (5YR 4/4); moist; firm; low plasticity; 80% silt; 20% clay; no odor.	ML	
20							
	■	FFOR1422	0.0				Total depth = 21 ft. Reached total depth @ 0845 on 6/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP255

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.6
Y Coordinate: 1542379.65
X Coordinate: 1473020.52

Boring Diameter (in.): 3
Date Completed: 8/1/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1423 FFOR1423-MS FFOR1423-MSD	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.		Began drilling @ 1340 on 8/1/11.
5							
		FFOR1424	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10							
		FFOR1425	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
15							
		FFOR1426	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
20							
		FFOR1427 FFOR1428	0.0				Total depth = 21 ft. Reached total depth @ 1405 on 8/1/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP256

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.6
Y Coordinate: 1542369.71
X Coordinate: 1473020.56

Boring Diameter (in.): 3
Date Completed: 8/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1429	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 0805 on 8/2/11.
5							
		FFOR1430	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10							
		FFOR1431	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
15					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.		
		FFOR1432	0.0		Same as above (12 ft).	MH	
20							
		FFOR1433	0.0				
							Total depth = 21 ft. Reached total depth @ 0825 on 8/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP257

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5346.4
Y Coordinate: 1542379.53
X Coordinate: 1473000.56

Boring Diameter (in.): 3
Date Completed: 8/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1434	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% very fine to medium sand; subrounded; no odor.		Began drilling @ 0857 on 8/2/11.
5		FFOR1435	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10		FFOR1436 FFOR1437	0.0		Same as above (0 ft); 95% silt; increasing clay content; 5% very fine sand; no odor.		
15		FFOR1438	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; firm; medium plasticity; 90% clay and silt; 10% very fine sand; no odor.	CL	
20		FFOR1439	0.0		Elastic SILT (MH); reddish brown (5YR 5/3); moist; firm; medium plasticity; 95% silt; 5% fine sand; no odor.	MH	
25							Total depth = 21 ft. Reached total depth @ 0915 on 8/2/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP258

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5346.6
Y Coordinate: 1542369.47
X Coordinate: 1473000.53

Boring Diameter (in.): 3
Date Completed: 8/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1440	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% very fine to medium sand; subrounded; no odor.		Began drilling @ 0945 on 8/2/11.
5		FFOR1441	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.	ML	
10		FFOR1442	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; trace coarse sand.		
15		FFOR1443	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
20		FFOR1444	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	ML	
25							Total depth = 21 ft. Reached total depth @ 1005 on 8/2/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP259

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.9
Y Coordinate: 1542379.36
X Coordinate: 1472980.51

Boring Diameter (in.): 3
Date Completed: 8/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1445	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 1037 on 8/2/11.
5							
		FFOR1446	0.0		Same as above (0 ft).	ML	
10							
		FFOR1447 FFOR1447-MS FFOR1447-MSD	0.0		Same as above (0 ft); 95% silt and clay; 5% fine sand.		
					Elastic SILT (MH); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% silt; 5% fine sand.		
15							
		FFOR1448	0.0		Same as above (12 ft).	MH	
20							
		FFOR1449 FFOR1450	0.0				Total depth = 21 ft. Reached total depth @ 1055 on 8/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP260

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542369.25
X Coordinate: 1472980.52

Boring Diameter (in.): 3
Date Completed: 8/2/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1451 FFOR1452	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine to medium sand; no odor.		Began drilling @ 1132 on 8/2/11.
5							
		FFOR1453	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10							
		FFOR1454	0.0		Same as above (0 ft); 95% silt; increasing clay content; 5% very fine sand; no odor.		
					Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt; 5% very fine sand; no odor.		
15							
		FFOR1455	0.0		Same as above (12 ft).	MH	
20							
		FFOR1456	0.0				
							Total depth = 21 ft. Reached total depth @ 1150 on 8/2/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP261

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.7
Y Coordinate: 1542379.01
X Coordinate: 1472960.50

Boring Diameter (in.): 3
Date Completed: 8/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1457	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 80% silt; 20% fine sand; no odor.		Began drilling @ 0750 on 8/9/11.
5							
		FFOR1458 FFOR1459	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% very fine sand; no odor.	ML	
10							
		FFOR1460 FFOR1460-MS FFOR1460-MSD	0.0		Same as above (5 ft); 95% silt; 5% very fine sand.		
15					Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.		
		FFOR1461	0.0			MH	
20							
		FFOR1462	0.0				
							Total depth = 21 ft. Reached total depth @ 0810 on 8/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP262

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.6
Y Coordinate: 1542369.10
X Coordinate: 1472960.57

Boring Diameter (in.): 3
Date Completed: 8/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1463	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 0843 on 8/9/11.
5		FFOR1464	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 95% silt; 5% very fine sand; no odor.	ML	
10		FFOR1465	0.0		Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% fine sand; no odor.		
15		FFOR1466	0.0		Same as above (10 ft); increasing clay content.	MH	
20		FFOR1467	0.0				Total depth = 21 ft. Reached total depth @ 0900 on 8/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP263

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.6
Y Coordinate: 1542378.93
X Coordinate: 1472940.56

Boring Diameter (in.): 3
Date Completed: 8/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1468	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 0923 on 8/9/11.
5					SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine sand; no odor.	ML	
		FFOR1469	0.0				
10					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
		FFOR1470 FFOR1471	0.0				
15					SILT (ML); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	ML	
		FFOR1472	0.0				
20							
		FFOR1473	0.0				
25							Total depth = 21 ft. Reached total depth @ 0940 on 8/9/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP264

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.6
Y Coordinate: 1542368.83
X Coordinate: 1472940.57

Boring Diameter (in.): 3
Date Completed: 8/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1474	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 80% silt; 20% fine sand; no odor.	ML	Began drilling @ 1012 on 8/9/11.
5		FFOR1475	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% very fine sand; no odor.		
10		FFOR1476	0.0		Elastic SILT (ML); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	MH	
15		FFOR1477	0.0		Same as above (9 ft).		
20		FFOR1478	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; low to medium plasticity; 95% silt; 5% very fine sand; no odor.	ML	
25							Total depth = 21 ft. Reached total depth @ 1030 on 8/9/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP265

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542378.67
X Coordinate: 1472920.53

Boring Diameter (in.): 3
Date Completed: 8/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1479 FFOR1479-MS FFOR1479-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% very fine to medium sand; subrounded; no odor.		Began drilling @ 1110 on 8/9/11.
5							
		FFOR1480	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.	ML	
10							
		FFOR1481	0.0		Elastic SILT (MH); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.		
15							
		FFOR1482	0.0		Same as above (10 ft).	MH	
20							
		FFOR1483 FFOR1484	0.0				Total depth = 21 ft. Reached total depth @ 1120 on 8/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP266

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542368.66
X Coordinate: 1472920.54

Boring Diameter (in.): 3
Date Completed: 8/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1485	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1255 on 8/9/11.
5							
	■	FFOR1486	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR1487	0.0		Same as above (5 ft).	ML	
15							
	■	FFOR1488	NR		Same as above (5 ft).		
20					Sandy SILT (ML); reddish brown (5YR 4/4); moist; soft; nonplastic; 70% silt; 30% fine to medium sand; subrounded; no odor.		
	■	FFOR1489	NR				
25							Total depth = 21 ft. Reached total depth @ 1320 on 8/9/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP267

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.1
Y Coordinate: 1542378.55
X Coordinate: 1472900.52

Boring Diameter (in.): 3
Date Completed: 8/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1490	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1340 on 8/9/11.
5							
		FFOR1491	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
		FFOR1492 FFOR1493	0.0		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.	ML	
15							
		FFOR1494	0.0		Same as above (5 ft); 95% silt; 5% very fine sand; increasing clay content; no odor.		
20							
		FFOR1495	0.0				
25							Total depth = 21 ft. Reached total depth @ 1400 on 8/9/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP268

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.0
Y Coordinate: 1542368.41
X Coordinate: 1472900.61

Boring Diameter (in.): 3
Date Completed: 8/9/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1496	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 1420 on 8/9/11.
5							
	■	FFOR1497	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine sand; no odor.		
10							
	■	FFOR1498	0.0		Same as above (5 ft).	ML	
15							
	■	FFOR1499	0.0		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.		
20							
	■	FFOR1500	0.0				
							Total depth = 21 ft. Reached total depth @ 1440 on 8/9/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP269

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.3
Y Coordinate: 1542378.26
X Coordinate: 1472880.50

Boring Diameter (in.): 3
Date Completed: 8/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1501	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 85% silt; 15% fine to coarse sand; subrounded; no odor.	ML	Began drilling @ 0805 on 8/10/11.
5							
		FFOR1502	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 95% silt; 5% very fine sand; no odor.		
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	MH	
10							
		FFOR1503 FFOR1503-MS FFOR1503-MSD	0.0		Same as above (7 ft).		
15							
		FFOR1504	0.0		Same as above (7 ft); increasing clay content.		
20							
		FFOR1505 FFOR1506	0.0				Total depth = 21 ft. Reached total depth @ 0825 on 8/10/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP270

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.2
Y Coordinate: 1542368.28
X Coordinate: 1472880.62

Boring Diameter (in.): 3
Date Completed: 8/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1507 FFOR1508	0.0		SILT with Sand (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 85% silt; 15% fine to medium sand; no odor.		Began drilling @ 0853 on 8/10/11.
5							
		FFOR1509	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 95% silt; 5% very fine sand; no odor.	ML	
10							
		FFOR1510	0.0		Same as above (5 ft).		
					Elastic SILT (MH); reddish brown (5YR 4/4); moist; firm; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.		
15							
		FFOR1511	0.0		Same as above (12 ft).	MH	
20							
		FFOR1512	0.0				
							Total depth = 21 ft. Reached total depth @ 0920 on 8/10/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP271

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.8
Y Coordinate: 1542378.02
X Coordinate: 1472860.51

Boring Diameter (in.): 3
Date Completed: 8/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1513	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 0943 on 8/10/11.
5					SILT (ML); reddish brown (5YR 5/3); dry; soft; low to medium plasticity; 95% silt; 5% fine sand; no odor.		
		FFOR1514 FFOR1515	0.0			ML	
10							
		FFOR1516 FFOR1516-MS FFOR1516-MSD	0.0		Same as above (3 ft).		
15					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% sand; no odor.		
		FFOR1517	0.0		Same as above (12 ft).	MH	
20							
		FFOR1518	0.0				
							Total depth = 21 ft. Reached total depth @ 1000 on 8/10/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP272

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.7
Y Coordinate: 1542368.08
X Coordinate: 1472860.55

Boring Diameter (in.): 3
Date Completed: 8/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1519	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1028 on 8/10/11.
5							
	■	FFOR1520	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
10							
	■	FFOR1521	0.0		Same as above (5 ft).	ML	
15							
	■	FFOR1522	0.0		Same as above (5 ft).		
20							
	■	FFOR1523	0.0				
25							Total depth = 21 ft. Reached total depth @ 1047 on 8/10/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP273

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542377.83
X Coordinate: 1472840.53

Boring Diameter (in.): 3
Date Completed: 8/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1524	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 1108 on 8/10/11.
5		FFOR1525	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% very fine sand; no odor.		
10		FFOR1526 FFOR1527	0.0		Same as above (4 ft); 95% silt; 5% very fine sand; no odor.	ML	
15		FFOR1528	0.0		Same as above (4 ft); 95% silt; 5% very fine sand; increasing clay content; no odor.		
20		FFOR1529	0.0		Sandy SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 70% silt; 30% medium sand; subangular; no odor.		
25							Total depth = 21 ft. Reached total depth @ 1125 on 8/10/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP274

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.4
Y Coordinate: 1542367.89
X Coordinate: 1472840.54

Boring Diameter (in.): 3
Date Completed: 8/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1530	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 85% silt; 15% fine to medium sand; subrounded; no odor.		Began drilling @ 1250 on 8/10/11.
5							
		FFOR1531	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; subrounded; no odor.		
10							
		FFOR1532	0.0		Same as above (5 ft); 95% silt; 5% fine sand; no odor.	ML	
15							
		FFOR1533	0.0		Same as above (5 ft); 95% silt; 5% fine sand; increasing clay content; no odor.		
20							
		FFOR1534	0.0				
							Total depth = 21 ft. Reached total depth @ 1305 on 8/10/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP275

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542377.62
X Coordinate: 1472820.50

Boring Diameter (in.): 3
Date Completed: 8/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1535 FFOR1535-MS FFOR1535-MSD	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 1325 on 8/10/11.
5					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; slight odor.		
		FFOR1536	0.0				
10							
		FFOR1537	880.0		Same as above (4 ft); increasing clay content; slight odor.	ML	
15							
		FFOR1538	2201.0		SILT with Sand (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 85% silt; 15% medium to coarse sand; slight odor.		
20							
		FFOR1539 FFOR1540	2301.0				Total depth = 21 ft. Reached total depth @ 1345 on 8/10/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP276

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.6
Y Coordinate: 1542367.67
X Coordinate: 1472820.60

Boring Diameter (in.): 3
Date Completed: 8/10/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1541	1.6		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1410 on 8/10/11.
5					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; slight odor.		
	■	FFOR1542	847.0				
10							
	■	FFOR1543	1822.0		Same as above (4 ft); strong odor.	ML	
15							
	■	FFOR1544	2005.0		Same as above (4 ft); strong odor.		
20							
	■	FFOR1545	1786.0				
25							Total depth = 21 ft. Reached total depth @ 1425 on 8/10/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP277

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542377.36
X Coordinate: 1472800.49

Boring Diameter (in.): 3
Date Completed: 8/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1546	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 0745 on 8/11/11.
5							
		FFOR1547	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
10							
		FFOR1548 FFOR1549	0.0		Same as above (5 ft); no odor.	ML	
15							
		FFOR1550	0.0		Same as above (5 ft); increasing clay content.		
20							
		FFOR1551	0.0				
							Total depth = 21 ft. Reached total depth @ 0805 on 8/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP278

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542367.39
X Coordinate: 1472800.52

Boring Diameter (in.): 3
Date Completed: 8/11/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1552	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 0828 on 8/11/11.
5							
		FFOR1553	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% very fine sand; no odor.	ML	
10							
		FFOR1554	NR		Same as above (5 ft); 95% silt; 5% very fine sand; no odor.		
					Elastic SILT (MH); reddish brown (5YR 5/3); moist; firm; medium plasticitiy; 95% silt and clay; 5% very fine sand; no odor.		
15							
		FFOR1555	0.0		Same as above (12 ft); decreasing clay content.	MH	
20							
		FFOR1556	0.0				
							Total depth = 21 ft. Reached total depth @ 0845 on 8/11/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP279

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5346.1
Y Coordinate: 1542372.90
X Coordinate: 1473037.58

Boring Diameter (in.): 3
Date Completed: 8/1/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1557	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine to medium sand; subrounded; no odor.		Began drilling @ 1250 on 8/1/11.
5		FFOR1558	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.	ML	
10		FFOR1559 FFOR1559-MS FFOR1559-MSD	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.		
15		FFOR1560	0.0		Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
20		FFOR1561 FFOR1562	5.3		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.	ML	
25							Total depth = 21 ft. Reached total depth @ 1305 on 8/1/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP280

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.7
Y Coordinate: 1542352.97
X Coordinate: 1473037.85

Boring Diameter (in.): 3
Date Completed: 8/1/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1563 FFOR1564	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.		Began drilling @ 1050 on 8/1/11.
5							
		FFOR1565	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10							
		FFOR1566	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
15							
		FFOR1567	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt and clay; 5% very fine sand; no odor.	ML	
20							
		FFOR1568	5.3				
							Total depth = 21 ft. Reached total depth @ 1110 on 8/1/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP281

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.8
Y Coordinate: 1542332.92
X Coordinate: 1473038.02

Boring Diameter (in.): 3
Date Completed: 8/1/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1569	8.5		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 90% silt; 10% fine to medium sand; no odor.		Began drilling @ 1003 on 8/1/11.
5							
		FFOR1570 FFOR1571	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10							
		FFOR1572 FFOR1572-MS FFOR1572-MSD	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
15							
		FFOR1573	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% very fine sand; no odor.	ML	
20							
		FFOR1574	0.0				
							Total depth = 21 ft. Reached total depth @ 1025 on 8/1/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP282

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.5
Y Coordinate: 1542312.92
X Coordinate: 1473038.17

Boring Diameter (in.): 3
Date Completed: 8/1/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1575	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% very fine sand; no odor.		Began drilling @ 0917 on 8/1/11.
5		FFOR1576	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.	ML	
10		FFOR1577	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.		
15					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
20		FFOR1578	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	ML	
25		FFOR1579	0.0				Total depth = 21 ft. Reached total depth @ 0935 on 8/1/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP283

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.6
Y Coordinate: 1542292.95
X Coordinate: 1473038.50

Boring Diameter (in.): 3
Date Completed: 8/1/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1580	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine sand; no odor.		Began drilling @ 0838 on 8/1/11.
5							
	■	FFOR1581	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10							
	■	FFOR1582 FFOR1583	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
15							
	■	FFOR1584	0.0				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	ML	
20							
	■	FFOR1585	0.0				
							Total depth = 21 ft. Reached total depth @ 0855 on 8/1/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP284

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.4
Y Coordinate: 1542272.92
X Coordinate: 1473038.65

Boring Diameter (in.): 3
Date Completed: 8/1/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1586	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; nonplastic; 90% silt; 10% fine to medium sand; subrounded; no odor.	ML	Began drilling @ 0755 on 8/1/11.
5		FFOR1587	4.2		Same as above (0 ft); 95% silt; 5% very fine sand.		
10		FFOR1588	15.6		Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
15		FFOR1589	4.5		SILT (ML); reddish brown (5YR 5/3); soft; nonplastic; 90% silt; 10% very fine sand; no odor.	ML	
20		FFOR1590	2.5				Total depth = 21 ft. Reached total depth @ 0815 on 8/1/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP285

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.3
Y Coordinate: 1542252.83
X Coordinate: 1473038.81

Boring Diameter (in.): 3
Date Completed: 7/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1591 FFOR1591-MS FFOR1591-MSD	3.5		SILT (ML); reddish brown (5YR 4/4); moist; soft; low plasticity; 90% silt; 10% fine sand; no odor.		Began drilling @ 1035 on 7/29/11.
5							
		FFOR1592	1.5		Same as above (0 ft); 95% silt; 5% very fine sand.		
10							
		FFOR1593	2.1		Same as above (0 ft); 95% silt; 5% very fine sand.	ML	Note: 3 inches of limestone gravel to 3 cm; clean, angular.
15							
		FFOR1594	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; increasing clay content.		
20							
		FFOR1595 FFOR1596	0.0				Total depth = 21 ft. Reached total depth @ 1050 on 7/29/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP286

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5345.0
Y Coordinate: 1542232.94
X Coordinate: 1473039.04

Boring Diameter (in.): 3
Date Completed: 7/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1597	4.5		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine to medium sand; subrounded; no odor.	ML	Began drilling @ 1001 on 7/29/11.
5							
	■	FFOR1598	7.3		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
10							Note: 3 inches of gravel to 3 cm; clean, angular.
	■	FFOR1599	1.6		Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
15					SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 95% silt; 5% fine to medium sand; no odor.	ML	
	■	FFOR1600	3.2				
20							
	■	FFOR1601	1.1				Total depth = 21 ft. Reached total depth @ 1020 on 7/29/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP287

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.9
Y Coordinate: 1542212.87
X Coordinate: 1473039.24

Boring Diameter (in.): 3
Date Completed: 7/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1602	2.0		SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 0930 on 7/29/11.
5							
	■	FFOR1603	0.2		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
10							
	■	FFOR1604 FFOR1605	2.9		Same as above (0 ft); 95% silt; 5% very fine sand; increasing clay content; no odor.	ML	
15							
	■	FFOR1606	1.4		Same as above (0 ft); 95% silt; 5% very fine sand; increasing clay content; no odor.		
20							
	■	FFOR1607	2.1				
25							Total depth = 21 ft. Reached total depth @ 0940 on 7/29/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP288

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.7
Y Coordinate: 1542192.92
X Coordinate: 1473039.51

Boring Diameter (in.): 3
Date Completed: 7/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1608	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.		Began drilling @ 0855 on 7/29/11.
5							
	■	FFOR1609	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.		
10							
	■	FFOR1610	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.	ML	
15							
	■	FFOR1611	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; increasing clay content.		
20							
	■	FFOR1612	0.0				
25							Total depth = 21 ft. Reached total depth @ 0908 on 7/29/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP289

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.7
Y Coordinate: 1542172.88
X Coordinate: 1473039.62

Boring Diameter (in.): 3
Date Completed: 7/29/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1613	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 0800 on 7/29/11.
5		FFOR1614	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.	ML	
10		FFOR1615 FFOR1615-MS FFOR1615-MSD	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay; 5% very fine sand; no odor.	CL	
15		FFOR1616	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low to medium plasticity; 95% silt; 5% fine sand; no odor. Same as above (12 ft).	ML	
20		FFOR1617 FFOR1618	0.0				Total depth = 21 ft. Reached total depth @ 0825 on 7/29/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP290

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.6
Y Coordinate: 1542152.89
X Coordinate: 1473039.90

Boring Diameter (in.): 3
Date Completed: 7/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1619 FFOR1620	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	Began drilling @ 1400 on 7/28/11.
5							
		FFOR1621	0.0		Same as above (0 ft).		
10					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay; 5% very fine sand; no odor.	CL	
		FFOR1622	0.0				
15					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% silt; 10% very fine sand.	ML	
		FFOR1623	0.0				
20							
		FFOR1624	0.0				Total depth = 21 ft. Reached total depth @ 1415 on 7/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP291

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.3
Y Coordinate: 1542132.96
X Coordinate: 1473040.00

Boring Diameter (in.): 3
Date Completed: 7/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1625	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% very fine sand; no odor.		Began drilling @ 1323 on 7/28/11.
5		FFOR1626 FFOR1627	0.0		Same as above (0 ft).		
10		FFOR1628 FFOR1628-MS FFOR1628-MSD	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
15		FFOR1629	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; increasing clay content.		
20		FFOR1630	0.0				Total depth = 21 ft. Reached total depth @ 1338 on 7/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP292

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.4
Y Coordinate: 1542112.93
X Coordinate: 1473040.27

Boring Diameter (in.): 3
Date Completed: 7/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1631	0.0		SILT (ML); reddish brown (5YR 4/4); dry; soft; low plasticity; 90% silt; 10% fine to medium sand; subrounded; no odor.		Began drilling @ 1250 on 7/28/11.
5		FFOR1632	0.0		Same as above (0 ft).	ML	
10		FFOR1633	0.0		Lean CLAY (CL); reddish brown (5YR 5/3); moist; firm; medium plasticity; 95% clay; 5% very fine sand; no odor.	CL	
15		FFOR1634	NR		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.	ML	
20		FFOR1635	0.0				Total depth = 21 ft. Reached total depth @ 1305 on 7/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP293

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.3
Y Coordinate: 1542092.92
X Coordinate: 1473040.41

Boring Diameter (in.): 3
Date Completed: 7/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1636	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	Began drilling @ 1105 on 7/28/11.
5		FFOR1637	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
10		FFOR1638 FFOR1639	0.0		Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay; 5% fine sand; no odor.	CL	
15		FFOR1640	0.0		Elastic SILT (MH); reddish brown (5YR 5/3); moist; firm; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	MH	
20		FFOR1641	0.0				Total depth = 21 ft. Reached total depth @ 1125 on 7/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP294

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1542072.92
X Coordinate: 1473040.71

Boring Diameter (in.): 3
Date Completed: 7/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1642	0.0		SILT (ML); light brown (5YR 6/3); dry; soft; nonplastic; 90% silt; 10% very fine sand; no odor.		Began drilling @ 1034 on 7/28/11.
5						ML	
		FFOR1643	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.		
10					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
		FFOR1644	0.0				
15					Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand.		
		FFOR1645	0.0		Same as above (12 ft).	MH	
20							
		FFOR1646	0.0				
25							Total depth = 21 ft. Reached total depth @ 1055 on 7/28/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP295

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1542053.01
X Coordinate: 1473040.93

Boring Diameter (in.): 3
Date Completed: 7/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1647 FFOR1647-MS FFOR1647-MSD	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft: low plasticity; 90% silt; 10% fine sand; no odor.		Began drilling @ 0945 on 7/28/11.
5							
		FFOR1648	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10							
		FFOR1649	0.0		Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% clay and silt; 10% fine sand; no odor.	CL	
15							
		FFOR1650	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	ML	
20							
		FFOR1651 FFOR1652	0.0				Total depth = 21 ft. Reached total depth @ 1010 on 7/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP296

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.0
Y Coordinate: 1542032.93
X Coordinate: 1473041.06

Boring Diameter (in.): 3
Date Completed: 7/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1653	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% very fine sand; no odor.		Began drilling @ 0905 on 7/28/11.
5							
		FFOR1654	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.	ML	
10							
		FFOR1655	0.0		Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% fine sand; no odor.	CL	
15							
		FFOR1656	0.0		SILT (ML); reddish brown (5YR 4/4); moist; soft; medium plasticity; 90% silt and clay; 10% fine to medium sand; no odor.	ML	
20							
		FFOR1657	0.0				
							Total depth = 21 ft. Reached total depth @ 0925 on 7/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP297

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1542012.95
X Coordinate: 1473041.33

Boring Diameter (in.): 3
Date Completed: 7/28/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1658	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% very fine sand; no odor.		Began drilling @ 0820 on 7/28/11.
5							
		FFOR1659	0.0		Same as above (0 ft); 95% silt; 5% fine sand.		
10							
		FFOR1660 FFOR1661	0.0		Same as above (0 ft); 95% silt; 5% fine sand; increasing clay content.	ML	
15							
		FFOR1662	0.0		Same as above (0 ft); 95% silt; 5% fine sand; no odor.		
20							
		FFOR1663	0.0				
							Total depth = 21 ft. Reached total depth @ 0838 on 7/28/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP298

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1542012.16
X Coordinate: 1473019.52

Boring Diameter (in.): 3
Date Completed: 7/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1664	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 90% silt; 10% fine to medium sand; no odor.	ML	Began drilling @ 0940 on 7/21/11.
5							
	■	FFOR1665	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
10					Elastic SILT (MH); reddish brown (5YR 4/4); moist; hard; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.	MH	
	■	FFOR1666	0.0				
15					Lean CLAY (CL); reddish brown (5YR 5/3); moist; hard; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
	■	FFOR1667	0.0				
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand.	ML	
	■	FFOR1668	NR				
25							Total depth = 21 ft. Reached total depth @ 1010 on 7/21/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP299

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1542002.18
X Coordinate: 1473019.66

Boring Diameter (in.): 3
Date Completed: 7/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1669	0.0		SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	Began drilling @ 1033 on 7/21/11.
5							
		FFOR1670	0.0		Same as above (0 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand.		
10					Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
		FFOR1671 FFOR1671-MS FFOR1671-MSD	0.0				
15					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% very fine sand; no odor.		
		FFOR1672	0.0		Same as above (12 ft).	MH	
20							
		FFOR1673 FFOR1674	0.0				Total depth = 21 ft. Reached total depth @ 1050 on 7/21/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP300

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1542011.93
X Coordinate: 1472999.55

Boring Diameter (in.): 3
Date Completed: 7/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1675 FFOR1676	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	Began drilling @ 1110 on 7/21/11.
5							
		FFOR1677	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.		
10					Elastic SILT (MH); reddish brown (5YR 5/3); moist; low to medium plasticity; 95% silt; 5% fine sand; no odor.	MH	
		FFOR1678	0.0				
15							
		FFOR1679	0.0		Same as above (8 ft); 90% silt; 10% fine to medium sand; no odor.		
20							
		FFOR1680	0.0				
25							Total depth = 21 ft. Reached total depth @ 1130 on 7/21/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP301

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1542001.94
X Coordinate: 1472999.59

Boring Diameter (in.): 3
Date Completed: 7/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1681	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.	ML	Began drilling @ 1225 on 7/21/11.
5							
		FFOR1682 FFOR1683	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.		
10					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity, 90% silt and clay; 10% very fine sand; no odor.	MH	
		FFOR1684 FFOR1684-MS FFOR1684-MSD	0.0				
15							
		FFOR1685	0.0		Same as above (8 ft).		
20							
		FFOR1686	0.0				
							Total depth = 21 ft. Reached total depth @ 1255 on 7/21/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP302

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.6
Y Coordinate: 1542011.66
X Coordinate: 1472979.48

Boring Diameter (in.): 3
Date Completed: 7/26/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1687	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 0741 on 7/26/11.
5							
	■	FFOR1688	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10							
	■	FFOR1689	0.0				
					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.		
15							
	■	FFOR1690	0.0		Same as above (11 ft); increasing silt content.	CL	
20							
	■	FFOR1691	0.0				
							Total depth = 21 ft. Reached total depth @ 0812 on 7/26/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP303

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.7
Y Coordinate: 1542001.73
X Coordinate: 1472979.60

Boring Diameter (in.): 3
Date Completed: 7/26/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1692	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 0835 on 7/26/11.
5						ML	
		FFOR1693	0.0		Same as above (0 ft); 95% silt; 5% very fine sand.		
10					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
		FFOR1694 FFOR1695	0.0				
15					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt and clay; 5% very fine sand; no odor.		
		FFOR1696	0.0		Same as above (12 ft); inceasing clay content.	ML	
20							
		FFOR1697	0.0				Total depth = 21 ft. Reached total depth @ 0850 on 7/26/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP304

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1542011.43
X Coordinate: 1472959.51

Boring Diameter (in.): 3
Date Completed: 7/26/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1698	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 0920 on 7/26/11.
5		FFOR1699	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.	ML	
10		FFOR1700	0.0		Lean CLAY (CL); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% clay; 5% fine sand; no odor.	CL	
15		FFOR1701	0.0		Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; medium plasticity; 90% silt and clay; 10% fine sand; no odor. Same as above (12 ft).	MH	
20		FFOR1702	NR				Total depth = 21 ft. Reached total depth @ 0935 on 7/26/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP305

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.9
Y Coordinate: 1542001.42
X Coordinate: 1472959.57

Boring Diameter (in.): 3
Date Completed: 7/26/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1703 FFOR1703-MS FFOR1703-MSD	0.0		SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 90% silt; 10% very fine sand; no odor.		Began drilling @ 0955 on 7/26/11.
5						ML	
		FFOR1704	0.0		Same as above (0 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand.		
10					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.		
		FFOR1705	0.0				
15						CL	
		FFOR1706	0.0		Same as above (9 ft).		
20					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; no odor.	ML	
		FFOR1707 FFOR1708	0.0				
25							Total depth = 21 ft. Reached total depth @ 1020 on 7/26/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP306

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1542011.21
X Coordinate: 1472939.54

Boring Diameter (in.): 3
Date Completed: 7/26/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
	■	FFOR1709	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine to medium sand; subrounded; no odor.		Began drilling @ 1042 on 7/26/11.
5						ML	
	■	FFOR1710	0.0		Same as above (0 ft); 95% silt; 5% very fine sand; no odor.		
10					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.		
	■	FFOR1711	0.0				
15						CL	
	■	FFOR1712	0.0		Same as above (9 ft).		
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.		
20						ML	
	■	FFOR1713	0.0				
25							Total depth = 21 ft. Reached total depth @ 1100 on 7/26/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP307

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1542001.18
X Coordinate: 1472939.63

Boring Diameter (in.): 3
Date Completed: 7/26/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1714	0.0		SILT (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 90% silt; 10% fine to coarse sand; no odor.		Began drilling @ 1215 on 7/26/11.
5						ML	
		FFOR1715	0.0		Same as above (0 ft).		
10					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
		FFOR1716 FFOR1717	0.0				
15						MH	
		FFOR1718	0.0		Same as above (5 ft).		
20							
		FFOR1719	0.0				
25							Total depth = 21 ft. Reached total depth @ 1240 on 7/26/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP308

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1542010.99
X Coordinate: 1472919.45

Boring Diameter (in.): 3
Date Completed: 7/26/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1720	0.0		SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 1255 on 7/26/11.
5		FFOR1721	0.0		Same as above (0 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand.	ML	
10		FFOR1722	0.0				
15					Elastic SILT (MH); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.		
20		FFOR1723	0.0		Same as above (11 ft).	MH	
25		FFOR1724	0.0				Total depth = 21 ft. Reached total depth @ 1316 on 7/26/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP309

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.4
Y Coordinate: 1542000.94
X Coordinate: 1472919.66

Boring Diameter (in.): 3
Date Completed: 7/26/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1725	0.0		SILT (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 90% silt; 10% fine sand; no odor.		Began drilling @ 1340 on 7/26/11.
5							
		FFOR1726	0.0		Same as above (0 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; no odor.		
10							
		FFOR1727 FFOR1727-MS FFOR1727-MSD	0.0		Same as above (0 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; increasing clay content; no odor.	ML	
15							
		FFOR1728	0.0		Same as above (0 ft); reddish brown (5YR 5/3); 95% silt; 5% very fine sand; increasing clay content; no odor.		
20							
		FFOR1729 FFOR1730	0.0				Total depth = 21 ft. Reached total depth @ 1359 on 7/26/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP310

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1542010.74
X Coordinate: 1472899.54

Boring Diameter (in.): 3
Date Completed: 7/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1731 FFOR1732	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 0745 on 7/27/11.
5						ML	
		FFOR1733	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.		
10					Lean CLAY (CL); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% clay and silt; 5% very fine sand; no odor.	CL	
		FFOR1734	0.0				
15					SILT (ML); reddish brown (5YR 5/3); moist; soft; medium plasticity; 95% silt; 5% very fine sand; no odor.		
		FFOR1735	0.0		Same as above (12 ft).	ML	
20							
		FFOR1736	0.0				
25							Total depth = 21 ft. Reached total depth @ 0800 on 7/27/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP311

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.5
Y Coordinate: 1542000.74
X Coordinate: 1472899.59

Boring Diameter (in.): 3
Date Completed: 7/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1737	0.2		SILT with Sand (ML); light reddish brown (5YR 6/3); moist; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 0820 on 7/27/11.
5					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
		FFOR1738 FFOR1739	0.0				
10							
		FFOR1740 FFOR1740-MS FFOR1740-MSD	0.0		Same as above (4 ft); increasing clay content.	ML	
15							
		FFOR1741	0.0		Same as above (4 ft); increasing clay content.		
20							
		FFOR1742	0.0				
25							Total depth = 21 ft. Reached total depth @ 0840 on 7/27/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP312

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1542010.62
X Coordinate: 1472879.49

Boring Diameter (in.): 3
Date Completed: 7/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1743	6.5		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 0925 on 7/27/11.
5							
		FFOR1744	213.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 90% silt; 10% very fine sand; slight odor.	ML	
10							
		FFOR1745	140.0		Same as above (5 ft); increasing clay content; hydrocarbon odor.		
15					Elastic SILT (MH); reddish brown (5YR 4/4); moist; soft; medium plasticity; 95% silt and clay; 5% fine sand.		
		FFOR1746	27.6			MH	
20							
		FFOR1747	4.7				
							Total depth = 21 ft. Reached total depth @ 0947 on 7/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP313

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.0
Y Coordinate: 1542000.56
X Coordinate: 1472879.61

Boring Diameter (in.): 3
Date Completed: 7/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1748	0.2		SILT with Sand (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 80% silt; 20% fine to medium sand; subrounded; no odor.		Began drilling @ 1005 on 7/27/11.
5							
		FFOR1749	1.5		SILT (ML); reddish brown (5YR 5/3); moist; soft; nonplastic; 95% silt; 5% very fine sand; no odor.	ML	
10							
		FFOR1750 FFOR1751	0.4		Same as above (5 ft).		
					Elastic SILT (MH); reddish brown (5YR 4/4); moist; firm; low plasticity; 95% silt; 5% very fine sand; no odor.	MH	
15							
		FFOR1752	0.2				
					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.	ML	
20							
		FFOR1753	0.2				
							Total depth = 21 ft. Reached total depth @ 1025 on 7/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP314

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1542010.28
X Coordinate: 1472859.48

Boring Diameter (in.): 3
Date Completed: 7/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1754	0.2		SILT with Sand (ML); reddish brown (5YR 5/3); dry; nonplastic; soft; 80% silt; 20% fine to medium sand; no odor.		Began drilling @ 1040 on 7/27/11.
5		FFOR1755	0.1		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.		
10		FFOR1756	0.2		Same as above (4 ft).	ML	
15		FFOR1757	7.6		Same as above (4 ft); decreasing clay content.		
20		FFOR1758	0.8				
25							Total depth = 21 ft. Reached total depth @ 1100 on 7/27/11.
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP315

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1542000.33
X Coordinate: 1472859.60

Boring Diameter (in.): 3
Date Completed: 7/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1759 FFOR1759-MS FFOR1759-MSD	2.5		SILT with Sand (ML); light reddish brown (5YR 6/3); dry; soft; low plasticity; 80% silt; 20% fine to coarse sand; no odor.		Began drilling @ 1255 on 7/27/11.
5					SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.		
		FFOR1760	0.7				
10							
		FFOR1761	0.0		Same as above (4 ft); increasing clay content.	ML	
15							
		FFOR1762	NR		Same as above (4 ft); increasing clay content.		
20							
		FFOR1763 FFOR1764	NR				Total depth = 21 ft. Reached total depth @ 1315 on 7/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP316

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.2
Y Coordinate: 1542010.06
X Coordinate: 1472839.55

Boring Diameter (in.): 3
Date Completed: 7/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1765	0.0		SILT with Sand (ML); light reddish brown (5YR 6/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1340 on 7/27/11.
5		FFOR1766	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% very fine sand; no odor.		
10		FFOR1767	0.0		Same as above (4 ft); firm.	ML	
15		FFOR1768	0.0		Same as above (4 ft); firm.		
20		FFOR1769	0.0				Total depth = 21 ft. Reached total depth @ 1359 on 7/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP317

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5344.2
Y Coordinate: 1542000.15
X Coordinate: 1472839.50

Boring Diameter (in.): 3
Date Completed: 7/27/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0		FFOR1170	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; nonplastic; 80% silt; 20% fine to coarse sand; subrounded; no odor.		Began drilling @ 1415 on 7/27/11.
5		FFOR1171	0.0		SILT (ML); reddish brown (5YR 5/3); moist; soft; low plasticity; 95% silt; 5% fine sand; no odor.		
10		FFOR1172 FFOR1173	0.0		Same as above (4 ft); increasing clay content.	ML	
15		FFOR1174	0.0		Same as above (4 ft); medium plasticity.		
20		FFOR1175	0.0				Total depth = 21 ft. Reached total depth @ 1440 on 7/27/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ

Boring ID: DP319

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-11
Project Number: 140705

Ground Elevation AMSL (ft): 5343.3
Y Coordinate: 1541512.13
X Coordinate: 1473098.67

Boring Diameter (in.): 3
Date Completed: 7/21/2011
Drillling Contractor: JR Drilling
Drilling Method: Direct Push
Logged By: Rachel Daly

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Remarks
0							
		FFOR1781	0.0		SILT with Sand (ML); reddish brown (5YR 5/3); dry; soft; low plasticity; 85% silt; 15% fine to medium sand; no odor.		Began drilling @ 0755 on 7/21/11.
5							
		FFOR1782	0.0		SILT (ML); light reddish brown (5YR 6/3); dry; soft; low plasticity; 90% silt; 10% fine sand.		
10							
		FFOR1783 FFOR1783-MS FFOR1783-MSD	0.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% fine sand; no odor.	ML	
15							
		FFOR1784	0.0		Same as above (5 ft); reddish brown (5YR 5/3); 95% silt; 5% fine sand; increasing clay content; no odor.		
20							
		FFOR1785 FFOR1786	0.0				Total depth = 21 ft. Reached total depth @ 0820 on 7/21/11.
25							
30							

FFOR_BOREHOLE_LOG - SHAW_DRILLING.GDT - 12/9/11 16:27 - Z:\KAFB BFF\FFOR_DIRECT_PUSH\GINT\FFOR PROJECT\FFOR_DIRECT_PUSH.GPJ