APPENDIX D-2

Shallow Soil Boring Logs

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Borehole ID: KAFB-106143

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-111
Project Number: 140705

Date Started: 2/17/2011
Date TD Reached: 2/17/2011
Date Completed: 2/17/2011

Ground Elevation AMSL (ft): 5345.1
Y Coordinate: 1472820.46
X Coordinate: 1542550.46

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Well Diagram	Remarks
0								
		106143-00	0.0		Poorly graded SAND with Silt (SP-SM); pinkish white; (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.1mm; rounded; 10% silt; no odor.	SP-SM		Description from hand auger cuttings.
5								
		106143-05	0.0		Silty SAND (SM); reddish yellow (7.5YR 6/6); dry; very loose; 80% very fine sand; subrounded; 5% fine gravel to 5mm; subrounded; 15% silt; no odor.	SM		
10		106143-10	0.0		Same as above (5 ft).			
					SILT (ML); strong brown (7.5YR 4/6); dry; firm; non plastic; 90% silt; 10% very fine sand to 0.2mm; no odor.	ML		
15		106143-15	0.0		Same as above (12 ft).			
		106143-20	0.0					
20								Total depth = 20 ft.
25								
30								

KAFB_BOREHOLE_LOG - SHAW_DRILLING.GDT - 4/27/11 14:50 - Z:\KAFB BFF\GINT\KAFB_PROJECT\KAFB_BFF.GPJ

Borehole ID: KAFB-106144

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-111
Project Number: 140705

Date Started: 2/16/2011
Date TD Reached: 2/16/2011
Date Completed: 2/16/2011

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1472807.25
X Coordinate: 1542326.20

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Well Diagram	Remarks
0								
		106144-00	0.0		Poorly graded SAND with Silt (SP-SM); pinkish white (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.2mm; subrounded; 10% silt; no odor.	SP-SM		Description from hand auger cuttings.
5								
		106144-05	0.0		Silty SAND (SM); reddish yellow (7.5YR 6/6); dry; very loose; 80% very fine sand; subrounded; 5% fine gravel to 5mm; subrounded; 15% silt; no odor.	SM		
10		106144-10	0.0		Same as above (5 ft).			
15		106144-15	0.0		SILT (ML); light brown (7.5YR 6/4); dry; soft; non plastic; 90% silt; 10% very fine sand to 0.08mm; no odor.	ML		
20		106144-20	0.0					Total depth = 20 ft.
25								
30								

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Borehole ID: KAFB-106145

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-111
Project Number: 140705

Date Started: 2/16/2011
Date TD Reached: 2/16/2011
Date Completed: 2/16/2011

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1472777.70
X Coordinate: 1542138.38

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Well Diagram	Remarks
0								
		106145-00	0.0		Poorly graded SAND with Silt (SP-SM); pinkish white (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.2mm; subrounded; 10% silt; slight odor.	SP-SM		Description from hand auger cuttings.
5								
		106145-05	3.2		Silty SAND (SM); reddish yellow (5YR 6/6); moist; loose; 60% very fine sand to 0.2mm; subrounded; 40% silt; slight odor.	SM		
10		106145-10	0.7		Same as above (5 ft).			
15		106145-15	NR		Same as above (5 ft).			
					SILT (ML); strong brown (7.5YR 4/6); dry; firm; low plasticity; 90% silt; 10% very fine sand to 0.2mm; no odor.	ML		
20		106145-20	1.7					
								Total depth = 20 ft.
25								
30								

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Borehole ID: KAFB-106146

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-111
Project Number: 140705

Date Started: 2/16/2011
Date TD Reached: 2/16/2011
Date Completed: 2/16/2011

Ground Elevation AMSL (ft): 5342.8
Y Coordinate: 1472951.78
X Coordinate: 1542082.71

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Well Diagram	Remarks
0								
		106146-00	0.6		Poorly graded SAND with Silt (SP-SM); pinkish white (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.2mm; subrounded; 10% silt; no odor.	SP-SM		Description from hand auger cuttings.
5								
		106146-05	0.0		Silty SAND (SM); reddish yellow (7.5YR 6/6); dry; very loose; 80% very fine sand; subrounded; 5% fine gravel to 5mm; subrounded; 15% silt; no odor.	SM		
10		106146-10	0.0		Same as above (5 ft).			
15		106146-15	0.0		SILT (ML); strong brown (7.5YR 4/6); dry; firm; non plastic; 90% silt; 10% very fine sand to 0.2mm; no odor.	ML		
20		106146-20	0.0					Total depth = 20 ft.
25								
30								

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Borehole ID: KAFB-106147

Client: US Army Corps of Engineers
Project Location: KAFB, Albuquerque, NM
Project Name: KAFB BFF SWMU ST-106 and SS-111
Project Number: 140705

Date Started: 2/16/2011
Date TD Reached: 2/17/2011
Date Completed: 2/17/2011

Ground Elevation AMSL (ft): 5342.8
Y Coordinate: 1472850.62
X Coordinate: 1541959.30

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores

Depth (ft)	Sample Type	Number	Headspace PID	Lithologic Log	Material Description	U.S.C.S.	Well Diagram	Remarks
0		106147-00	0.1		Poorly graded SAND with Silt (SP-SM); pinkish white (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.2mm; subrounded; 10% silt; slight odor.	SP-SM		Description from hand auger cuttings.
5								
		106147-05	450.0		Silty SAND (SM); reddish yellow (5YR 6/6); dry; very loose; 60% very fine sand to 0.5mm; subrounded; 40% silt; strong odor.	SM		
10		106147-10	80.0		Same as above (5 ft).			
15		106147-15	4.6		SILT (ML); reddish yellow (5YR 7/6); dry; hard; low plasticity; 90% silt; 5% very fine sand to 0.08mm; 5% white caliche; slight odor.	ML		Very hard drilling from 14 to 17 ft due to caliche cementation.
		106147-20	1.1					
20								Total depth = 20 ft.
25								
30								

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