Form R-353

Date Begun 28-NOV-01
Date Completed 28-NOV-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. To Jct. I-70
Pine Creek Hill @ MP 125
Type of Structure
Sta. of Structure
Collar Elevation 6605 ft
Field Party Sizemore, Norwood, Ivie, Egbert

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 1
Sheet 1 of 2
Total Depth 31.5
Equation Project Line Sta. / Other Line Sta.
Hole Sta. I-15 SB 44100 Rt. 4 Ft., Lt. Ft., of ℄
Reference
Method Used
Rig CME-850

Ground Water Table

Depth in Ft.	not encountered			
Time				
Date				

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
Auger				0				lean clay, CL, sandy, brown
				1				
				2				
				3				
				4				
				5				9/6" 9/6" 9/6" -medium-
PEN		18	1-6.5	6				sandy silt, ML, traces of clay & gravel
Auger				7				
				8				
				9				
				10				5/6" 8/6" 10/6" -medium-
PEN		18	1-11.5	11				thin lenses of sandy lean clay, CL, and sandy silt, ML, traces of gravel, brown
Auger				12				
				13				
				14				
				15				9/6" 8/6" 15/6" -very stiff-
PEN		23	1-16.5	16				sandy lean clay, CL, some gravel, brown
Auger				17				
				18				gravel
				19				
				20				

Form R-353

Date Begun 28-NOV-01
Date Completed 28-NOV-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill at MP 125
Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure Hole Sta. I15 SB 4+150 Rt. E Ft., Lt. Ft., of ℄
Collar Elevation Reference Method Used
Field Party Sizemore, Worwood, Ivie, Egbert Rig CME-850

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 1
Sheet 2 of 2
Total Depth 31.5

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
				20				10/6" 13/6" 13/6" -medium-
PEN								
"		26	1-21.5	21				SANDY SILT with GRAVEL, A TRACE to SOME LEAN CLAY, BROWN - YELLOW
"								
Auger				22				
				23				
				24				
				25				11/6" 11/6" 23/6" -DENSE-
PEN								SANDY SILT, ML, with CLAY AND GRAVEL, BROWN - GREY
"		34	1-26.5	26				- WEATHERED IGNEOUS ROCK - RED - BROWN, BOULDER
"								
Auger				27				
				28				GRAVEL
				29				COBBLES
								9/6" 10/6" 8/6" -medium-
PEN				30				
"		18	1-31.5	31				SANDY SILT, ML, with CLAY AND GRAVEL, multi-colored
"								
				32			*	T.D. - 31.5' 11-28-01
				33				
				34				
				35				
				36				
				37				
				38				
				39				
				40				

DESCRIPTION
Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

Form R-353

Date Begun 28-NOV-01
Date Completed 28-NOV-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill @ MP 125

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 2
Sheet 1 of 2
Total Depth 21'

Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure
Hole Sta. I-15 SB 3+925 Rt. Ft., Lt. 40 Ft., of ℄
Collar Elevation 6607 ft
Reference
Method Used
Field Party Sizemore, Norwood, Ivie, Egbert
Rig CME-850

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
AUGER				0				LEAN clay, CL, SOME SAND AND GRAVEL, BROWN
				1				silty SAND with GRAVEL, SM, BROWN
				2				
				3				
				4				
				5	S			50/3" -REFUSAL-
PEN AUGER		REF.	2-5.2	6				silty SAND with GRAVEL, SM, SOME LEAN clay GREY-BROWN
				7				
				8				
				9				
C.S.				10	A			8/6" 13/6" 15/6"
"		28			B			SANDY silt, ML, with A TRACE to SOME clay, BROWN
"			2-11.5	11	C			
AUGER				12				
				13				
				14				
				15				2/6" 6/6" 7/6"
PEN								
"		13		16				SANDY silt, ML, with A TRACE to SOME clay, BROWN
"			2-16.5					-SOME OF SAMPLE WAS SATURATED-
AUGER				17				
				18				
				19				
				20				

Form R-353

Date Begun 28-NOV-01
Date Completed 28-NOV-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill @MP 125
Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure Hole Sta. I-15 SB Rt. Ft., Lt. 40 Ft., of ℄
Collar Elevation 6607 ft Reference Method Used
Field Party Sizemore, Norwood, Julie, Egbert Rig CME 850

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 2
Sheet 2 of 2
Total Depth 21'

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph
C.S.		Ref.	2-20.6	20			
"				21			
AUGER				22			
				23			
				24			
				25			
				26			
				27			
				28			
				29			
				30			
				31			
				32			
				33			
				34			
				35			
				36			
				37			
				38			
				39			
				40			

Ground Water Table

Depth in Ft.					
Time					
Date					

DESCRIPTION

Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

4.2/6" 60/10.5" - REFUSAL -
silty SAND with GRAVEL - bottom of SAMPLE, LEAN CLAY with SAND - top of SAMPLE
AUGER REFUSAL AT 21' (either boulder or bedrock)
T.D. 21' 11-28-01

Form R 353

Date Begun 29-NOV-01
Date Completed 29-NOV-01
Hole Diameter 7"

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No 3
Sheet 1 of 2
Total Depth 31.5'

Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill @ MP125
Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure Hole Sta. SB 4+375 Rt. Ft., Lt. 82 Ft., of ℄
Collar Elevation 6612 ft Reference Method Used
Field Party Sizemore, Norwood, Ivie Rig CME 850

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
AUGER				0				SANDY silt, ML, BROWN
				1				
				2				
				3				
				4				
PEN				5				8/6" 18/6" 50/4.5
"								SANDY silt with GRAVEL, ML, BROWN-GREY
"			3-6.4	6				
AUGER				7				
				8				
				9				
PEN				10				10/6, 16/6" 30/6"
"		46						SANDY silt with GRAVEL, ML,
"			3-11.5	11				
AUGER				12				
				13				
				14				
C.S.				15			A	4/6" 6/6" 9/6"
"							B	
"		15	3-16.5	16			C	LEAN clay with GRAVEL, CL, BROWN
AUGER				17				
				18				
				19				
				20				

Form R-353

Date Begun 29-NOV-01
Date Completed 29-NOV-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct I-70
Pine Creek Hill - MP 125
Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure Hole Sta. SB 4+375 Rt. Ft., Lt. Ft., of ℄
Collar Elevation 6612ft Reference Method Used
Field Party Sizemore, Worwood, Ivie Rig CME 850

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 3
Sheet 2 of 2
Total Depth 31.5'

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
				20				25/6" 31/6" 23/6" -VERY DENSE-
PEN								
"		54		21				SANDY SILT WITH GRAVEL, ML, TRACES OF CLAY, BROWN
"			3-21.5					
AUGER				22				
				23				
				24				
				25				10/6 18/6" 21/6" - DENSE -
PEN								
"		39		26				SILTY SAND, SM, SOME GRAVEL, LT. BROWN TO BROWN
"			3-26.5					
AUGER				27				
				28				
				29				
				30				14/6" 17/6" 19/6" - DENSE -
PEN								SILTY SAND, SM, WITH GRAVEL, BROWN - GREY
"		36		31				
"			3-31.5					
				32			*	T.D. - 31.5' 11-29-01
				3				
				4				
				5				
				6				
				7				
				8				
				9				
				0				

Form R 353

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Date Begun 15 Dec-01
Date Completed 15 Dec-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill at MP 125
Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure
Hole Sta. SB I-15 3+648 Rt. Ft., Lt. 53 Ft., of ℄
Collar Elevation 6598 ft Reference Method Used
Field Party EGBERT, WORWOOD, IVIE Rig CME 850

Hole No. 4
Sheet 1 of 2
Total Depth 21.5'

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
AUGER				0				lean clay, CL, some sand and gravel, brown
				1				
				2				silty sand w/ gravel, SM, brown
				3				
				4				
				5				14/6", 15/6", 18/6" — very stiff —
C.S.				A				silty sand with gravel, SM, brown
AUGER"		33	4-6&5	B				
3"				6				
AUGER				C				
				7				
				8				
				9				
				10				73/6", 57/6", 45/6" — Hard —
C.S.								Sandy gravel, SP, with cobbles, brown, light brown
3"		102	4-11.5	11				(SP-GP)
"								
Auger				12				gravelly lean clay, CL
				13				sandy lean clay, CL
				14				gravelly silt
				15				17/6", 36/6", 32/6" — dense —
C.S								silty sand with gravel, SM, brown
"		68		16				
"			4-16&5					
AUGER				17				Hard possible boulders @ 18 ft & 19 ft
				18				silty sand with gravel
				19				
				20				

Form R 353

Date Begun 05 Dec-01
Date Completed 05 Dec-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name WILDCAT INTERCHANGE to SCT I-70
PINE CREEK HILL at MP 125
Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure
Collar Elevation 6598 ft
Field Party EGBERT, WORWOOD, IVIE

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 4
Sheet 2 of 2
Total Depth 21.5'
Hole Sta. SB-I-15 3+648 Rt. ____ Ft., Lt. 53 Ft., of ℄
Reference
Method Used
Rig CME 850

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
C.S. 4"		61	4-21.5	20				18/6", 25/6", 36/6" — dense — Sandy gravel, SP, light brown
				21				
				22			*	T.D. - 21.5' 12-5-01
				23				
				24				
				25				
				6				
				7				
				8				
				9				
				0				
				1				
				2				
				3				
				4				
				5				
				6				
				7				
				8				
				9				
				0				

Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

Form R 353

Date Begun 5 Dec 2001
Date Completed 5 Dec 2001
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pinebrook Hill @ MP 125
Type of Structure
Sta. of Structure
Collar Elevation 6596 ft
Field Party EGBERT, WORWOOD, IVIE

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No 5
Sheet 1 of 2
Total Depth 21.5'

Equation Project Line Sta. / Other Line Sta.
Hole Sta. SB-I-15 4+777 Rt. 6 Ft., Lt. Ft., of
Reference
Method Used
Rig CME 850

Ground Water Table

Depth in Ft.				
Time				
Date				

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
Auger				0				Roadbase gravel
				1				Sandy gravel
				2				
				3				Sandy gravel with lean clay
				4				Sandy gravel
PEN				5				12/6", 21/6", 20/6" — Dense —
"		41						Sandy gravel, GP, grey, brown
"			5-6.5	6				
Auger				7				silty sand with gravel
				8				— Hard drilling —
				9				
PEN				10				14/6", 19/6", 38/6" — very dense —
"		57						sand stone, , grey, brown
"			5-11.5	11				
Auger				12				
				13				
				14				
PEN				15				8/6", 28/6", 26/6" — very dense —
"		54						limestone, claystone grey, green, yellow, brown
"			5-16.5	16				
AUGER				17				Claystone
				18				
				19				
				20				

Form R-353

Date Begun 6 Dec 2001
Date Completed 6 Dec 2001
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill @ MP 125

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No 6
Sheet 1 of 2
Total Depth 26.5'

Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure
Hole Sta. NB-I-15 3+475 Rt. 50 Ft., Lt. Ft., of ℄
Collar Elevation 6614 ft
Reference
Method Used
Field Party EGBERT, WARWOOD, IVIE
Rig CME 850

Ground Water Table

Depth in Ft.				
Time				
Date				

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
Auger				0				silty sand, SM
				1				siltstone light brown
				2				
				3				
				4				
PEN				5				11/6", 13/6", 16/6" — Medium — siltstone with gravel, light brown, grey
"		29						
"			6-6.5	6				
Auger				7				
				8				Claystone brown
				9				
PEN				10				9/6", 11/6", 11/6" — Medium — silty sand with gravel, SM, brown,
"		22						
"			6-11.5	11				
Auger				12				
				13				lean clay
				14				
C.S.				15				9/6", 13/6", 19/6" — medium — Sandy silt, SM, with lean clay brown, some gravel
"		32						
"			6-16.5	16	C			
Auger				17				
				18				
				19				
				20				

Form R 353

Date Begun 6 Dec 2001
Date Completed 6 Dec 2001
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat, inter. to Jct I-70
Pine Creek Hill @ MP 125
Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure
Hole Sta. NB-I-15 3+475 Rt. 50 Ft., Lt. Ft., of ℄
Collar Elevation 6614 ft
Reference
Method Used
Field Party EGBERT, WOODWOOD, IVIE
Rig CME 850

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 6
Sheet 2 of 2
Total Depth 26.5'

Ground Water Table

Depth in Ft.				
Time				
Date				

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
PEN				20				13/6", 18/6", 12/6" — Medium — Silty Sand, SM, w/ gravel, brown
"		30	6-21.5	21				
Auger				22				varies between sandstone & claystone leanclay w/ gravel (Hard) (Soft)
				23				
				24				Hard drilling
PEN		30		25				13/6", 18/6", 12/6" — Medium — Silty sand, SM, w/gravel & lean clay, brown, grey
"				26				
				C				* T.D. 26.5' 6 Dec 2001
				27				
				28				
				29				
				30				
				1				
				2				
				3				
				4				
				5				
				6				
				7				
				8				
				9				
				0				

Form R-353

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Date Begun 6 Dec 2001
Date Completed 6 Dec 2001
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat inter. to Jct. I-70
Pine Creek H.M @ MP 125
Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure Hole Sta. NB-I-15 2+950 Rt. 56 Ft., Lt. Ft., of ℄
Collar Elevation 6605 ft Reference Method Used
Field Party EGBERT, WORKWOOD, IVIE Rig CME 850

Hole No. 7
Sheet 2 of 2
Total Depth 26.5'

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
				20				4/6", 15/6", 20/6" — dense —
PEN								Silt with gravel, ML, light brown
"		35		21				
"			7-21.5					
Auger				22				
				23				
				24				
				25				5/6", 10/6", 12/6" — Medium —
PEN								Silt w/ gravel, ML, traces of lean clay, brown
"		22		26				
"			7-26.5					
				27				T.D. 26.5' 6 Dec 2001
				28				
				29				
				30				
				1				
				2				
				3				
				4				
				5				
				6				
				7				
				8				
				9				
				0				

Form R-353

Date Begun 6 Dec 2001
Date Completed 7 Dec 2001
Hole Diameter 7"

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No 8
Sheet 1 of 2
Total Depth 31.5'

Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-17
Pine Creek Hill @ MP 125
Equation Project Line Sta. / Other Line Sta.
Type of Structure
Sta. of Structure
Hole Sta. SB-I-15 1+900 Rt. 75 Ft., Lt. Ft., of ℄
Collar Elevation 6552 ft
Reference
Method Used
Field Party EGBERT, WOLFWOOD, IVIE
Rig CME 850

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
Auger				0				cobble
PEN		60	S-6.5	5				15/6", 23/6", 34/6" — very dense — silty gravel, SM, gray brown
Auger				7				7 Dec 2001 possible cobbles
C.S.		45	S-10.5	10	A B			10/6", 17/6", 28/6" — Hard — silt with sand, MH, brown
Auger				12				
Pen		14	S-16.5	15				5/6", 4/6", 8/6" — Stiff — silt with lean clay, MH, brown
Auger				17				
				20				

Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

Form R-353

Date Begun 6 Dec 2001
Date Completed 7 Dec 2001
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat interc. to Jct I-70
Pine Creek Hill @ MP 125
Type of Structure
Sta. of Structure
Collar Elevation 6552 ft.
Field Party EGBERT, WORWOOD, IVIE

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No 8
Sheet 2 of 2
Total Depth 31.5'
Equation Project Line Sta. / Other Line Sta.
Hole Sta. SB-I-15 1+900 Rt. 75 Ft., Lt. Ft., of ℄
Reference
Method Used
Rig CME 850

Ground Water Table

Depth in Ft.					
Time					
Date					

DESCRIPTION

Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph
C.S.				20			
"				B 21			
"		42	8-21.5	C			
Auger				22			
				23			
				24			
				25			
PEN							
"		13		26			
"			8-26.5				
				27			
				28			
				29			
				30			
C.S.							
"		78		31			
"			8-31.5	C			
				32			
				33			
				34			
				35			
				6			
				7			
				8			
				9			
				0			

7/6", 16/6", 26/6" — Stiff —
silt with lean clay - MH - brown

4/6", 5/6", 8/6" — Stiff —
silt with lean clay - MH - brown

11/6", 28/6", 50/6" — Hard —
silty sandy w/ gravel, ML, brown,

T.D. 31.5' 7 Dec 2001

Form R-353

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Date Begun 19-DEC-01 | Hole No 9
Date Completed 19-DEC-01 | Sheet 1 of 3
Hole Diameter 7" | Total Depth 52'
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill
Equation Project Line Sta. / Other Line Sta.
Type of Structure Box
Sta. of Structure | Hole Sta. | Rt. Ft., Lt. Ft., of ℄
Collar Elevation | Reference | Method Used
Field Party Sizemore, Norwood, Ivie | Rig CME 850

Ground Water Table

Depth in Ft.	Not encountered			
Time				
Date				

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
Auger				0				Fill, silty SAND, SM, some gravel brown
				1				
				2				
				3				
				4				
				5				7/6" 7/6" 5/6" 5/6"
PEN								
"		12		6				Fill - lean clay, CL, with some sand and gravel brown
"			9-7	7				
Auger				8				
				9				
				10				5/6 9/6" 6/6" 7/6"
PEN								
"		15		11				Fill - lean clay, CL, with gravel & sand, brown
"			9-12	12				
Auger				13				
				14				
				15				7/150 10/150 14/150
C.S.				A				Fill - lean clay, CL, with sand & gravel, brown
"		24		B				
"			9-16.5	C 16				
Auger				17				
				18				
				19				
				20				

Form R-353

Date Begun 19-DEC-01
Date Completed 19-DEC-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill
Type of Structure BOX
Sta. of Structure ____ Hole Sta. ____ Rt. ____ Ft., Lt. ____ Ft., of ℄ ____
Collar Elevation ____ Reference ____ Method Used ____
Field Party Sizemore, Norwood, Ivie Rig CME 850

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 9
Sheet 2 of 3
Total Depth 52'

Equation Project Line Sta. / Other Line Sta.

Ground Water Table

Depth in Ft.					
Time					
Date					

DESCRIPTION

Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	
				20				6/6" 7/6" 6/6" 6/6"
PEN								
"		13		21				Fill - lean clay, CL with sand and gravel, brown-grey
"								
"			9-22	22				
Auger								
				23				
				24				
				25				3/6" 4/6" 5/6" 6/6"
PEN								
"		10		26				Fill - lean clay, CL, with sand & gravel, brown
"								
"			9-27	27				
Auger								
				28				
				29				
				30				7/6" 9/6" 8/6"
C.S.				A				
"				B				Fill - lean clay, CL, with sand & gravel, brown
"		17	9-31.5	C 31				
Auger				32				
				33				
				34				
				35				6/6" 4/6" 3/6" 4/6"
PEN								
"		7		36				lean clay, CL, with some sand and gravel, brown
"								Et al
"			9-37	37				
Auger				38				
				39				
				40				

Form R-353

Date Begun 19-DEC-01
Date Completed 19-DEC-01
Hole Diameter 7"

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 9
Sheet 3 of 3
Total Depth 52'

Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill
Type of Structure Box
Equation Project Line Sta. / Other Line Sta.
Sta. of Structure ____ Hole Sta. ____ Rt. ____ Ft., Lt. ____ Ft., of ℄
Collar Elevation ____ Reference ____ Method Used ____
Field Party Sizemore, Worwood, Ivie Rig CME-850

Ground Water Table

Depth in Ft.				
Time				
Date				

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
								2/6" 5/6" 6/6" 8/6"
PEN				40				
"		11		41				Fill - Sandy lean clay, CL, trace of gravel, brown
"								
"			9-42	42				
Auger				43				
				44				
								4/6" 8/6" 16/6" 31/6"
PEN				45				
"		24		46				lean clay, CL, some gravel & sand, Fill?, brown
"			9-47					
Auger				47				may be Nat. ground
				48				
				49				
								7/6" 12/6" 17/6" 36/6"
PEN				50				
"		29		51				lean clay, CL, with sand and gravel, brown
"								
"			9-52	52			*	T.D. -52' 12-19-01
				53				
				54				
				55				
				6				
				7				
				8				
				9				
				0				

Form R-353

Date Begun 19-DEC-01
Date Completed 19-DEC-01
Hole Diameter 7"

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 10
Sheet 1 of 2
Total Depth 37'

Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill
Equation Project Line Sta. / Other Line Sta.
Type of Structure Box
Sta. of Structure ____ Hole Sta. ____ Rt. ____ Ft., Lt. ____ Ft., of ℄ ____
Collar Elevation ____ Reference ____ Method Used ____
Field Party Sizemore, Norwood, Ivie Rig CME 850

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
				0				(SNOW) LEAN clay, CL, dk brown, A trace of gravel
Auger				1				
				2				
				3				
				4				
				5				1/6 2/6 2/6 2/6
PEN								
"		4		6				LEAN clay, CL, dark brown to brown Trace of gravel
"			10-7	7				
Auger				8				
				9				
				10				1/6 2/6 2/6 4/6
PEN								
"		4		11				LEAN clay, CL, brown
"			10-12	12				
Auger				13				
				14				
				15				3/6" 7/6" 14/6" 11/6"
PEN								
"		21		16				LEAN clay, CL, brown, some gravel
"								
"			10-17	17				
Auger				18				
				19				
				20				

Form R-353

Date Begun 19-DEC-01
Date Completed 19-DEC-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct I-70
Pine Creek Hill
Equation Project Line Sta. / Other Line Sta.
Type of Structure BOX
Sta. of Structure ____ Hole Sta. ____ Rt. ____ Ft., Lt. ____ Ft., of ℄
Collar Elevation ____ Reference ____ Method Used ____
Field Party Sizemore, Norwood, Luie Rig CME-850

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 10
Sheet 2 of 2
Total Depth 37'

Ground Water Table

Depth in Ft.	NOT ENCOUNTERED			
Time				
Date				

DESCRIPTION

Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	
				20				6/6" 10/6" 13/6" 20/6"
PEN								
"		23		21				LEAN clay, CL, with SAND and SOME GRAVEL,
"								BROWN
"			10-22	22				
AUGER								
				23				
				24				
								11/6" 14/6" 16/6" 16/6"
PEN				25				
"		30		26				SANDY LEAN CLAY, CL, SOME GRAVEL, BROWN
"								
"			10-27	27				
AUGER								
				28				
				29				
				30				12/6" 16/6" 18/6" 19/6"
PEN								
"		37		31				CLAYEY SAND, SC, SOME GRAVEL, BROWN
"								
"			10-32	32				
AUGER								
				33				
				34				
				35				5/6" 14/6" 12/6" 24/6"
PEN								
"		26		36				CLAYEY SAND with SOME SANDY LEAN CLAY
"								BROWN
"			10-37	37				
							*	T.D. 37 12-19-01
				8				pulled augers 12-20-01
				9				
				0				

Form R-353

Date Begun 20-DEC-01
Date Completed 20-DEC-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill
Type of Structure BOX
Sta. of Structure ____ Hole Sta. ____ Rt. ____ Ft., Lt. ____ Ft., of ℄ ____
Collar Elevation ____ Reference ____ Method Used ____
Field Party Sizemore, Norwood, Juie Rig CME 850

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No 11
Sheet 1 of 2
Total Depth 20'

Equation Project Line Sta. / Other Line Sta.

Ground Water Table

Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
AUGER				0				LEAN clay, CL, with SAND, GRAVEL, AND cobbles, DARK BROWN to BROWN
				1				silty SAND, SM, with some GRAVEL AND cobbles, DARK BROWN to BROWN
				2				
				3				
				4				
				5				6/6" 5/6" 9/6" 8/6"
PEN								
"		14		6				silty SAND, SM, with GRAVEL & a TRACE to SOME clay, DARK BROWN
"			11-7	7				
Auger								clayey SAND, SC, BROWN
				8				
				9				
				10				4/6" 5/6" 7/6" 9/6"
PEN								
"		12		11				clayey SAND to sandy LEAN clay, SC-CL, BROWN
"			11-12	12				
Auger								
				13				
				14				
				15				50/.5" -REFUSAL-
PEN		Ref	NR					light grey volcanic ROCK - WEATHERED AND FRACTURED to highly FRACTURED
Auger				16				
				17				highly WEATHERED & ~~highly~~ FRACTURED volcanic ROCK, GREY
				18				
				19				
				20				

DESCRIPTION
Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

Form R-353

Date Begun 20-DEC-01
Date Completed 20-DEC-01
Hole Diameter 7"

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 11
Sheet 2 of 2
Total Depth 20'

Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill
Equation Project Line Sta. / Other Line Sta.
Type of Structure Box
Sta. of Structure ____ Hole Sta. ____ Rt. ____ Ft., Lt. ____ Ft., of ℄ ____
Collar Elevation ____ Reference ____ Method Used ____
Field Party Sizemore, Norwood, Ivie Rig CME 850

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph
PEN		Ref.	NR	20			*

Ground Water Table

Depth in Ft.					
Time					
Date					

DESCRIPTION

Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

50/0" -Refusal-

T.D. 20' 12-20-01

Form R-353

Date Begun 20-DEC-01
Date Completed 20-DEC-01
Hole Diameter 7"

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No 12
Sheet 1 of 2
Total Depth 20.1'

Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. To Jct. I-70
Pine Creek Hill
Equation Project Line Sta. / Other Line Sta.
Type of Structure BOX
Sta. of Structure ____ Hole Sta. ____ Rt. ____ Ft., Lt. ____ Ft., of ℄ ____
Collar Elevation ____ Reference ____ Method Used ____
Field Party SIZEMORE, WORWOOD, IVIE Rig CME 850

Ground Water Table

Depth in Ft.	not encountered				
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
Auger				0				sandy silt, ML, a trace of clay & gravel, dark brown
				1				
				2				
				3				
				4				
				5				4/6 4/6" 4/6" 5/6"
PEN								
"		8		6				silty sand, SM, trace of gravel, dark brown
"								
"			12-7	7				
Auger								
				8				
				9				
				10				4/6" 3/6" 4/6" 5/6"
PEN								
"		7		11				sandy silt, ML, dark brown
"								
"			12-12	12				
Auger								
				13				
				14				
				15				9/6" 23/6" 25/6" 18/6"
PEN								
"		48		16				silty sand, SM, some gravel, brown
"								
"			12-17	17				
Auger								
				18				
				19				
				20				

Form R-353

Date Begun 20-DEC-01
Date Completed 20-DEC-01
Hole Diameter 7"
Project No. IM-NH-15-3(26)121
Project Name Wildcat Inter. to Jct. I-70
Pine Creek Hill
Type of Structure BOX
Sta. of Structure ____ Hole Sta. ____ Rt. ____ Ft., Lt. ____ Ft., of ℄
Collar Elevation ____ Reference ____ Method Used ____
Field Party Sizemore, Worwood, Ivie Rig CME 850

UTAH DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS SECTION
DRILLING LOG

Hole No. 12
Sheet 2 of 2
Total Depth 20.1

Equation Project Line Sta. / Other Line Sta.

Ground Water Table

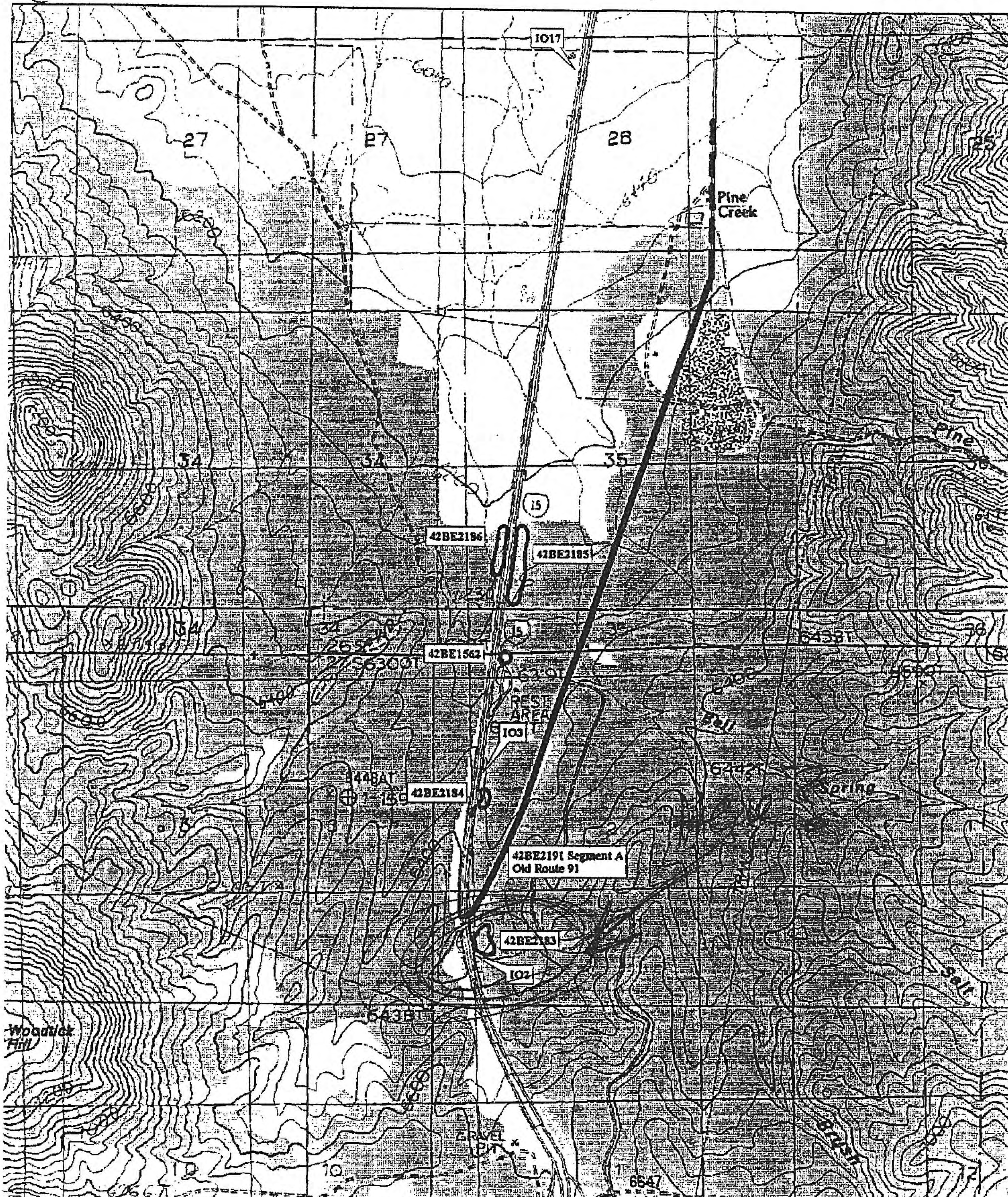
Depth in Ft.					
Time					
Date					

Drilling Method	Casing Depth	Blows per Foot	Sample Number	Depth in Feet	Sampling	Sample Recovery	Soil Graph	DESCRIPTION
				20				50/1" Refusal (sampler on rock)
PEN		REF	NR				*	
				21				T.D. 20.1' 12-20-01
				22				
				23				
				24				
				25				
				26				
				27				
				28				
				29				
				30				
				31				
				32				
				33				
				34				
				35				
				6				
				7				
				8				
				9				
				0				

Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths circulation lost, observed fluctuations in water level, notes on drilling ease, bits used, etc.

12/05/01 17:57 FAX 435 896 6458 UDOT REGION 4 ☑001

TIM - UDOT ~~SURVEY~~ GeoTech Crew



gure 5.2. Location of Archaeological Sites 42Be1562, 42Be2183 - 42Be2186, and Segment A of Be2191, and Isolated Occurrences 2, 3, and 17. Township 26 South, Range 7 West, Sections 26 and , and Township 27 South, Range 7 West, Sections 2 and 11. U.S.G.S., Quads, Cove Fort, and Pole ountain, Utah, Composite. 1:24,000. North is up.