

GEOLOGIC LOG OF DRILL HOLE NO. DH-95-6

FEATURE: Overland Bridge, Burley, Idaho
 LOCATION: Sta. 165+20.8, 44' d/s
 BEGUN: 04-25-95 FINISHED: 04-28-95
 DEPTH AND ELEV. OF WATER LEVEL AND DATE MEASURED: 1.6

PROJECT: Idaho Transportation Dept.
 COORDINATES: N 0 E 0
 TOTAL DEPTH: 90.0
 DEPTH TO BEDROCK: n/a
 (4135.10) 04-28-95

STATE: Idaho
 GROUND ELEVATION: 4136.7
 ANGLE FROM HORIZONTAL: 90
 HOLE LOGGED BY: R. BURT
 REVIEWED BY:

NOTES
 CLASSIFICATION AND
 PHYSICAL CONDITION
 (CONTINUED)

SAMPLE INTERVALS

Interval	Type	N
15.3-16.8	SPT	22
20.9-22.4	SPT	11
23.2-24.7	SPT	12
29.2-30.7	SPT	16
33.3-34.8	SPT	16
38.6-40.1	SPT	33
43.3-44.8	SPT	40
48.7-50.2	SPT	24
53.9-55.4	SPT	29
59.2-60.7	SPT	18
63.2-64.7	SPT	24
68.3-69.8	SPT	34
73.6-75.1	SPT	28
78.5-80.0	SPT	25
83.3-84.8	SPT	19
86.5-88.0	SPT	15

DRILLING CONDITIONS

13.9-15.3': Fast.
 19.4-88.9': Slow and smooth.

CASING RECORD

1995 Cs	Depth	Depth
Date	Sz	Hole
04-25	6"	22.4
04-25	4"	22.4
04-26	6"	75.1
04-26	4"	75.1
04-27	6"	0.0
04-27	4"	0.0

Note: Casing data is as of end of shift.

FLUID RETURN

0.0-14.5': Air 80%
 13.9-73.6': Water 100%
 73.6-78.5': Water 80%
 78.5-83.3': Water 60%
 83.3-88.9': Water 80%

FLUID COLOR
 13.9-88.9': Gray

FLUID LEVEL DURING DRILLING

1995 Date	Depth	Depth	Depth
Hole	Cs	Water	
04-26	22.4	20.8	1.6
04-27	75.1	73.2	1.0

Note: Water level data is as of start of shift.

DRILLING TIME

Drilling: 21 hours
 Moving/Setup: 19 hours
 Down: 0 hours

HOLE COMPLETION

90.0-87.5': Placed sand.
 87.5-0.0': Installed 2.5" PVC with sand pack as necessary from 87.5 to 19.0'. From 19.0 to 0.0'

63.2-64.7': No recovery. N = 24.

68.3-69.8': POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) g. About 65% coarse to fine, hard, angular to subrounded sand; about 25% coarse to fine, hard, angular to subrounded gravel; about 10% nonplastic fines; maximum size, 35 mm; moist, gray, gravels concentrated in top 0.3'; strong reaction with HCl. N = 34.

73.6-75.1': No recovery. Cuttings were SILTY SAND (SM). N = 28.

78.5-80.0': No recovery. N = 25.

83.3-84.8': No recovery from SPT. N = 19. With catcher basket inserted in sampler, recovered sand and clay indicating contact at 85.1'.

86.5-88.0': LEAN CLAY (CL). About 100% low to medium plasticity fines, slow dilatancy, low to medium dry strength, low toughness; maximum size, fines; moist, gray, laminated; strong reaction with HCl. N = 15.

90.0': Bottom of hole.

COMMENTS:

SPT = Standard Penetration Resistance Test
 Cs = Casing
 Sz = Size of Casing