

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

SHEET 2 C

FEATURE: Overland Bridge, Burley, Idaho
LOCATION: Sta. 165+20.8, 44' d/s
BEGIN: 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
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	Cs
04-25	6"	22.4	13.9
04-25	4"	22.4	20.8
04-26	6"	75.1	19.4
04-26	4"	75.1	73.2
04-27	6"	0.0	0.0
04-27	4"	0.0	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	Depth	Depth	Depth
Date	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