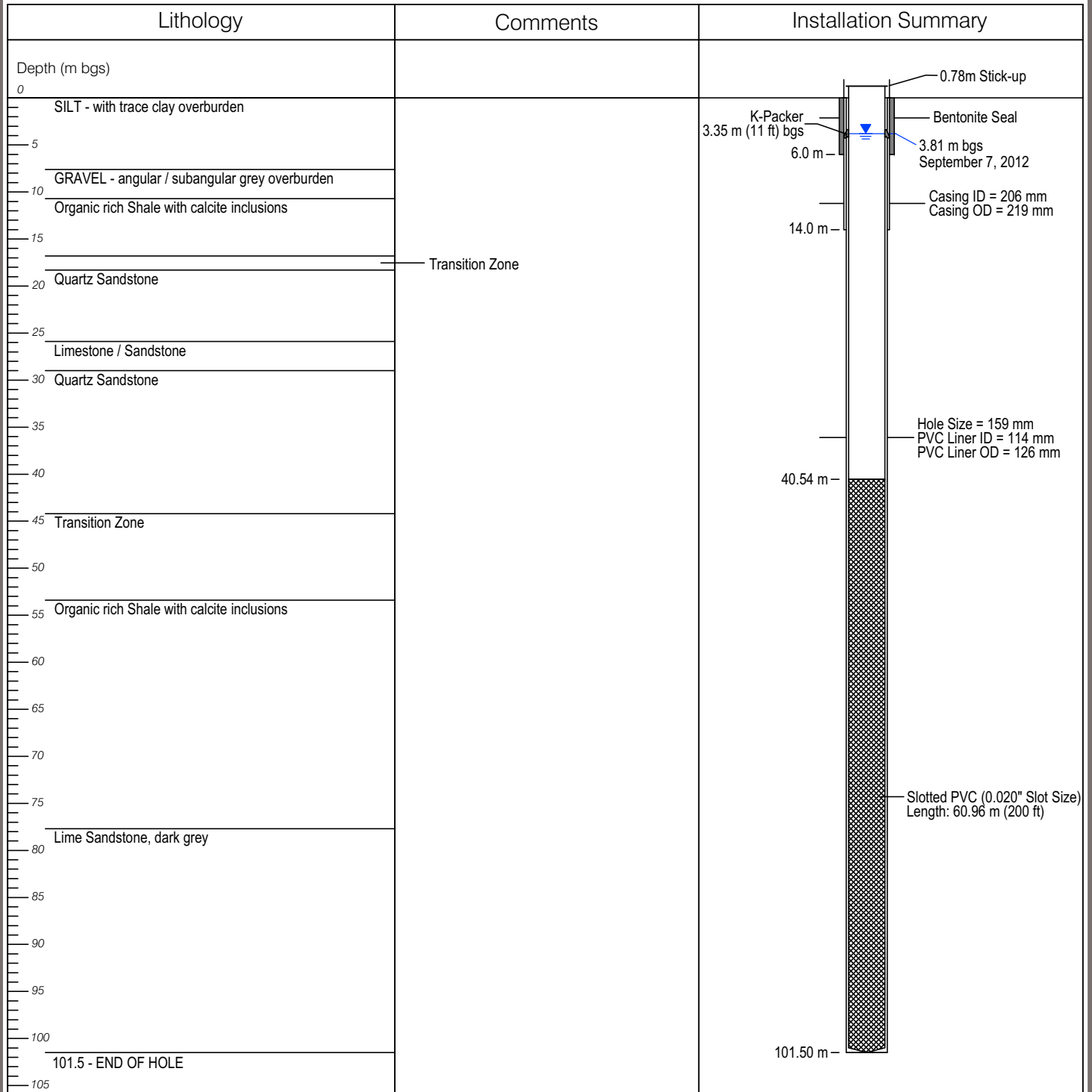


BOREHOLE LOG

PROJECT NAME: Deep Creek Test Well Installation
 LOCATION: Deep Creek, Yukon
 CLIENT: Government of Yukon - Department of Community Services
 DRILL TYPE: Dual Air Rotary
 DRILL DATE: August 23 - 25, 2012

PROJECT NO.: W23101599
 UTM (NAD83, Zone 8): 6770798 N;
 488393 E



CLIENT



DEEP CREEK TEST WELL

WELL LOG FOR DC-1

PROJECT NO.
W23101599

DWN
CB

CKD
KRR

REV
0

OFFICE
EBA-WHSE

DATE
November 2, 2012

Figure 2

Surface / Environmental Seal (depth below ground surface, please circle appropriate units)

C8 Seal Material Type:

BENTONITE
(i.e. Bentonite)

C9 Diameter of Seal:

4 (cm / in)

C10 Seal Depth from:

0 (m / ft)

C11 Seal Depth to:

20 (m / ft)

C12 Volume Placed:

(m³ / ft³)

Gravel Pack (depth below ground surface, please circle appropriate units)

C13 Gravel Pack:

☒ NO

If yes, indicated depth (m / ft):

☐ YES

from: to: Indicate diameter of material:

(mm / inches)

Material type:

(i.e. silica)

Well Screen Information (depth below ground surface, please circle appropriate units)

C14 Outside

Diameter

(cm / in)

4.94

C15 Screen Material

☐ Stainless Steel☐ Steel☒ Plastic☐ N/A☐ Other

C16 Screen Type

☐ Continuous Wire Wrap☐ Louver Screen☒ Perforated☐ Slotted☐ Open Hole

C17 Depth from:

Screen 1: 133 (m / ft)

C18 Depth to:

Screen 2: 322 (m / ft)

Slot Size / Perforation Dia:

Screen 3: 1.00 (mm / inches)

Thou. / mm / inches

Screen 3: (m / ft) (m / ft) (m / ft)

Thou. / mm / inches

C19 Screen

Comments:

6" THREADED CAP BOTTOM

WELL DEVELOPMENT AND STATUS

D1 Well Developed by

☐ Surge Block☒ Water Jetting☐ Air Jetting / Air Lifting☐ Bailing☒ Pumping☐ Other:

D2 Well Head Completion

☐ Well House☐ Pitless Adaptor Depth of adaptor:

(m / ft)

☐ Well Pit (NOT PERMITTED)☒ None (well not completed)☐ Other:

D3 Well Head Stick-up

(above ground surface)

2 (m / ft)

(Use negative if below grade)

D4 Static Water Level

(below top of casing)

12 (m / ft)

(Use negative if below grade)

D5 Well Yield Estimate

(Lps / gpm)

20

D6 Final Well Status

☐ Water Supply (in use)☐ Stand by (Back-up)☐ Observation☒ Not in use☐ Deepened☐ Other:☐ Abandoned☐ Dry☐ Poor Quality☐ Insufficient Yield☐ Artesian conditions

D7 Well Abandonment Status

Was the well properly decommissioned

with bentonite grout? ☐ YES ☒ NO

If YES, indicate Date:

D8 Method Used to

Estimate Well Yield

☐ Air Lifting☐ Bailing☒ Pumping Test

(If test conducted, complete

Pumping Test Record)

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test Start Date:

20120404

Y Y Y Y M M D D

Static Water Level (SWL):

12 (m / ft)

Pump Intake Set at:

294 (m / ft)

Duration of pumping:

48 hrs 240 min

STEST

Final Water Level (FWL)

at end of Pumping Test:

32.29 (m / ft)

G1 GROUNDWATER QUALITY

Field Data

Date Measurements Taken:

2012/09/10

Y Y Y Y M M D D

Electrical Conductivity: 1078 uS

pH: 8.27

Temperature: 5.6 °C

Groundwater Type

☐ Salty☐ Sulphur / Egg Odour☐ Organic Taste / Odour☐ Metallic Taste☐ Other:

Turbidity/Sand Content

☒ Clear☐ Slightly turbid/cloudy☐ Moderately turbid/cloudy☐ Turbid/cloudy☐ Trace sand present☐ No sand present

Well Disinfection

Was the well disinfected upon completion

of the pump installation? ☐ YES ☒ NO

Briefly describe method of well disinfection.

F1 Well Water Level Drawdown/Recovery DATA

Drawdown Recovery

Time (min)	Water Level (m / ft)	Time (min)	Water Level (m / ft)
0 (SWL)	4.97	0 (FWL)	32.29
1	8.03	1	28.31
2	9.69	2	26.44
3	10.93	3	25.25
4	11.90	4	24.51
5	12.65	5	24.10
10	15.39	10	22.82
16	16.57	16	22.06
20	17.79	20	21.85
25	19.04	25	21.21
30	19.86	30	20.83
40	21.03	40	20.21
50	21.96	50	19.69
60	22.71	60	19.22

Bacteria Testing

Was a sample taken? ☐ YES ☒ NO

If yes, indicate the

Date Sample Taken:

2012/09/10

Y Y Y Y M M D D

name of the laboratory

Environmental Health

Chemical Analysis of Water

Was a sample taken? ☒ YES ☐ NO

If yes, indicate the

Date Sample Taken:

2012/09/10

Y Y Y Y M M D D

name of the laboratory

EXOVA

Clear Form

Print Form

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company:

H2 Name of Driller(s):

H3 Address of Driller:

Signature of Primary Driller

Y Y Y Y M M D D

Date Submitted to Dept. Of Environment

CONSULTANT (If applicable)

I1 Company Name:

I2 Company Address:

I3 Report Reference:

I4 Report Date:

Y Y Y Y M M D D

ADDITIONAL INSTRUCTIONS

Upon completing this form,

please mail or fax it to:

Please feel free to contact us at:

Phone: (867) 667-3171, Toll free (in Yukon): (1-800) 661-0408, local 3171

Fax: (867) 667-3195 E-mail: Water.Resources@gov.yk.ca

Water Resources Section (V-310),
Department of Environment,
Government of Yukon Box 2703,
Whitehorse, Yukon, Canada Y1A 2C6

Personal information contained on this form is collected under the authority of the Access to Information and Protection of Privacy (ATIP/PA) Act, Section 23 (c) and will be used to compile a public database of well and ground water information. For further information contact the Manager of Hydrology, Water Resources at (867) 667-3223, toll free within Yukon 1-800-661-0408 Ext 3223.

I have read the above clause and understand the purpose for collection of personal information.

Signature of Well Owner