Century WIRELINE SERVICES

GAMMA - CALIPER
THRU PIPE DENSITY
DHGH-14-12

COMPANY	ARTAK COAL
WELL	GROUNDHOG
FIELD	GROUNDHOG
COUNTRY	CANADA
PROVINCE	BRITISH COLUMBIA
LSD	
SECTION	N/A
TOWNSHIP	N/A
RANGE	N/A
LICENSE NO.	N/A
UNIQUE WELL ID	N/A
PERMANENT DATUM	GL
LOG MEASURED FROM	GL
DRILLING MEASURED FROM	GL
DATE	06/13/14
RUN NUMBER	2
DEPTH DRILLER	194.28
BIT SIZE	9.80
LOG TOP	>1.78
LOG BOTTOM	190.45
CASING DRILLER	3.044
CASING LOGGER	3.044
CASING TYPE	STEEL
BOREHOLE FLUID	WATER
RM TEMPERATURE	N/A
MAX REC TEMP	N/A
MUD WEIGHT	1.00
WITNESSED BY	N/A
RECORDED BY	T. NEAL
REMARKS 1	VERTICAL
REMARKS 2	IN-PIPE

ELEVATION KB	N/A
ELEVATION DF	N/A
ELEVATION GL	N/A
LOGGER TD	190.45
ARRIVAL TIME	20:00
DEPARTURE TIME	11:30
CWC STOPPED	N/A

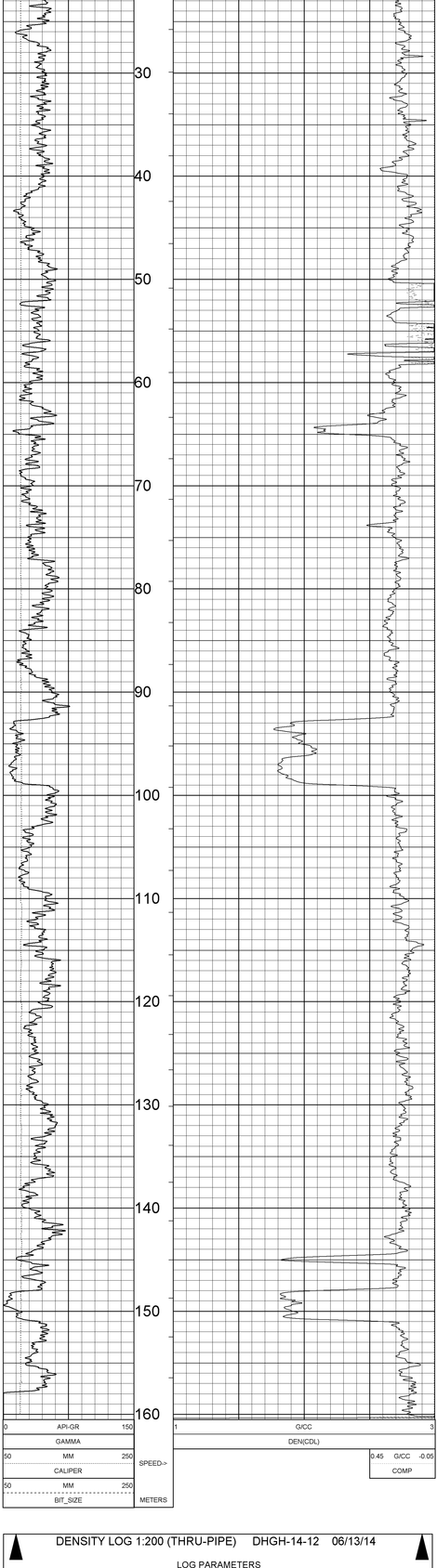
OTHER SERVICES: NEUTRON

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

DENSITY LOG 1:200 (THRU-PIPE) DHGH-14-12 06/13/14

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL. : 19.5	ELECT. CUTOFF : 75000	BIT SIZE : 9.80
PRESENTATION NAME/DATE = Atrum_9239_(IN-PIPE)_(200scale).0 06/12/2014		VERSION = 3.64KX



DENSITY LOG 1:200 (THRU-PIPE) DHGH-14-12 06/13/14

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL. : 19.5	ELECT. CUTOFF : 75000	BIT SIZE : 9.80
PRESENTATION NAME/DATE = Atrum_9239_(IN-PIPE)_(200scale).0 06/12/2014		VERSION = 3.64KX