Century WIRELINE SERVICES

FULL WAVE SONIC

DHGH-14-10

COMPANY	ATRUM COAL
WELL	DHGH-14-10
WELL EXT	
FIELD	GROUNDHOG
COUNTY	CANADA
STATE	BRITISH COLUMBIA
COUNTRY	---
API NO.	N/A

PERMANENT DATUM	GL		COMPANY	ATRUM COAL	
LOG MEASURED FROM	GL		WELL	DHGH-14-10	
ELEV. PERM. DATUM	N/A		WELL EXT		
			FIELD	GROUNDHOG	
DEPTH DRILLER	298.21	M	COUNTY	---	
DEPTH LOGGER	297.7	M	STATE	BRITISH COLUMBIA	
FIRST READING	M		COUNTRY	---	
LAST READING	M		API NO.	N/A	
BIT SIZE	9.8	CM	LOCATION		
CASING 1 - LOGGER	3.99	M			
CASING 1 - DRILLER		M			
CASING 1 - SIZE	3.99	CM			
CASING 1 - TYPE					
CASING 2 - LOGGER		M			
CASING 2 - DRILLER		M			
CASING 2 - SIZE		CM			
CASING 2 - TYPE					
FLUID TYPE	STEEL				
FLUID DENSITY					
FLUID PH	100				
FLUID VISCOSITY					
FLUID LOSS					
SOURCE OF SAMPLE	N/A				
RM @ MEAS TEMP	N/A @ N/A C				
RMF @ MEAS TEMP	@ C				
RMC @ MEAS TEMP	N/A @ C				
SOURCE RMF RMC	N/A				
CRK STOPPED	N/A				
RECORDED BY	T. NEAL				
WITNESSED BY	VERTICAL				
REMARKS 1					
REMARKS 2					
REMARKS 3					

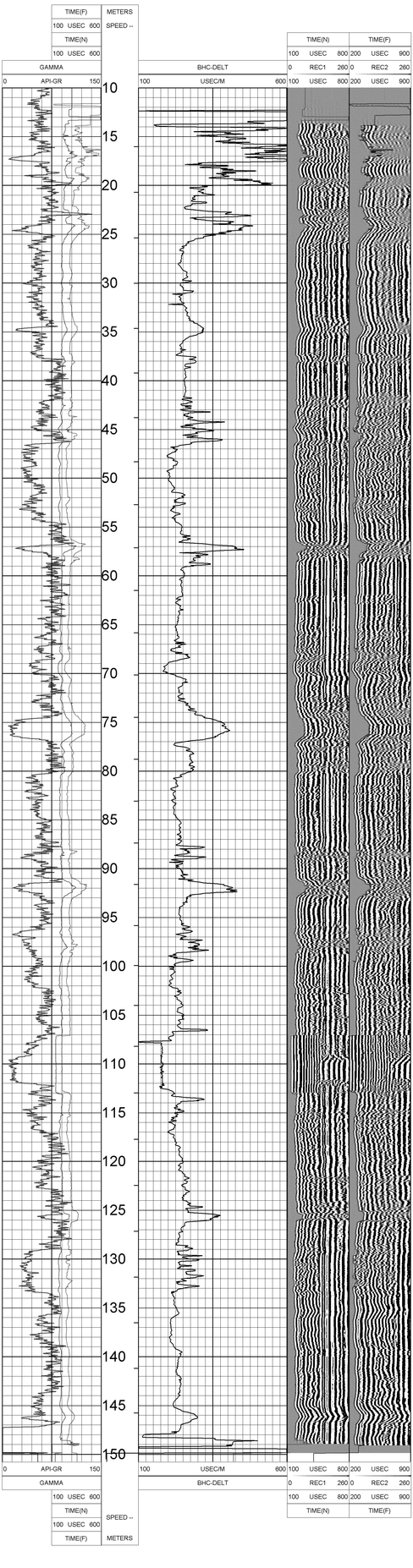
			Elevation		Other Services
LATITUDE	N/A		KB	M	DENSITY
LONGITUDE	N/A		DF	M	DIP
SECTION	N/A		GL	N/A	BUTTON
TOWNSHIP	N/A				
RANGE	N/A				

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

SONIC LOG 1:200 DHGH-14-10 06/10/14

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.5	ELECT. CUTOFF : 75000	BIT SIZE : 9.8
PRESENTATION NAME/DATE = Atrum_9321.0 06/05/2014		Version 3.65 JH



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TOOL CALIBRATION DHGH-14-10 06/10/14 16:26:
TOOL 9321A2 TM VERSION 2
SERIAL NUMBER 2376

	DATE	TIME	SENSOR		STANDARD Point1	STANDARD Point2	RESPONSE [CPS] Point1	RESPONSE [CPS] Point2
1	Apr06,13	12:53:14	GAMMA	[CPS]	Default	Default	Default	Default