Century WIRELINE SERVICES

FULL WAVE SONIC

DHGH-14-18

COMPANY	ATRUM COAL
WELL	DHGH-14-18
WELL EXT	
FIELD	GROUNDHOG
COUNTY	CANADA
STATE	BRITISH COLUMBIA
COUNTRY	---
API NO.	N/A

COMPANY	: ATRUM COAL
WELL	: DHGH-14-18
WELL EXT	:
FIELD	: GROUNDHOG
COUNTY	: CANADA
STATE	: BRITISH COLUMBIA
COUNTRY	: ---
API NO.	: N/A
UNIQ ID	: N/A

LOCATION GROUNDHOG

SECTION: N/A TOWNSHIP: N/A RANGE: N/A

LATITUDE: N/A

LONGITUDE: N/A

PERMANENT DATUM	GL	
DRL MEASURED FROM	GL	
LOG MEASURED FROM	GL	
ELEV. PERM. DATUM	N/A	M

Elevations:		
KB	N/A	M
DF	N/A	M
GL	N/A	M

Other Services:
DENSITY
DIP.
NEUTRON

DATE	06/22/14	12:37:	
DEPTH DRILLER	103.63	M	
DEPTH LOGGER		M	
FIRST READING		M	
LAST READING		M	
BIT SIZE	98.4	MM	
CASING -- DRILLER	9.144	M	
CASING -- LOGGER		M	
CASING O.D.	9.144	CM	
CASING THICKNESS	N/A	CM	
CASING TYPE	STEEL		
FLUID TYPE	WATER		
FLUID DENSITY	1.00		
FLUID VISCOSITY			
FLUID PH			
MUD SOURCE	N/A		
RM @ MEAS TEMP	N/A @ N/A C		
RMF @ MEAS TEMP	@ C		
RMC @ MEAS TEMP	N/A @ C		
CIRC STOPPED	N/A		
RECORDED BY	T. NEAL		
REMARKS 1	VERTICAL		
REMARKS 2			
REMARKS 3			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

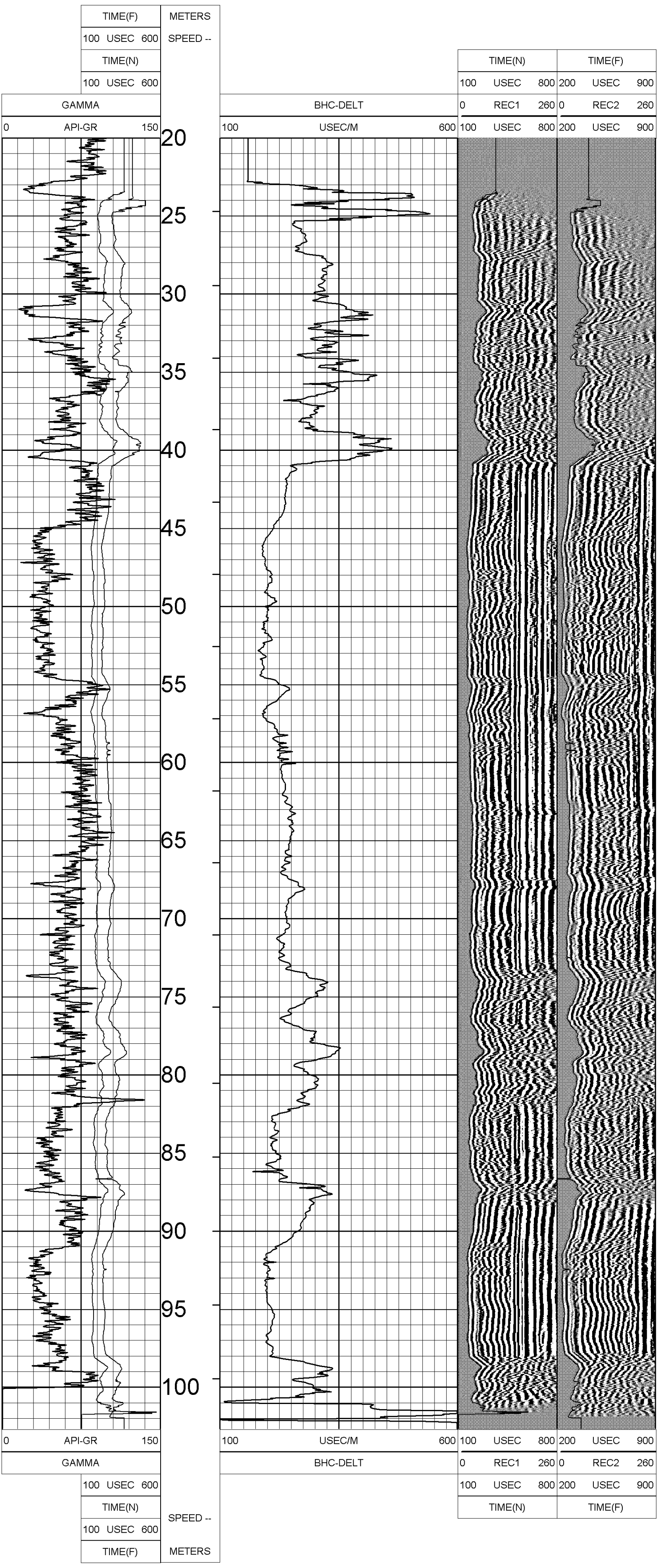
SONIC LOG 1:200 DHGH-14-18 06/22/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177

MAGNETIC DECL : 19.5 ELECT. CUTOFF : 75000 BIT SIZE : 98.4

PRESENTATION NAME/DATE = Atrum_9321.0 06/05/2014 Version 3.65 JH



SONIC LOG 1:200 DHGH-14-18 06/22/14

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TOOL CALIBRATION DHGH-14-18 06/22/14 12:37:
TOOL 9321A2 TM VERSION 2
SERIAL NUMBER 2376

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