Century WIRELINE SERVICES

FULL WAVE SONIC

DHGH-14-20

COMPANY	ATRUM COAL
WELL	DHGH-14-20
WELL EXT	
FIELD	GROUNDHOG
COUNTY	CANADA
STATE	BRITISH COLUMBIA
COUNTRY	---
API NO.	N/A

COMPANY	: ATRUM COAL
WELL	: DHGH-14-20
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	Elevations:	
DRL MEASURED FROM	GL	KB	M
LOG MEASURED FROM	GL	DF	M
ELEV. PERM. DATUM	N/A M	GL	N/A M
		N/A	

Other Services:
NEUTP
DEN
DIP

DATE	06/24/14 06:10:		
DEPTH DRILLER	51.20 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	D. SINKWICH		
REMARKS 1	VERTICAL		
REMARKS 2			
REMARKS 3			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

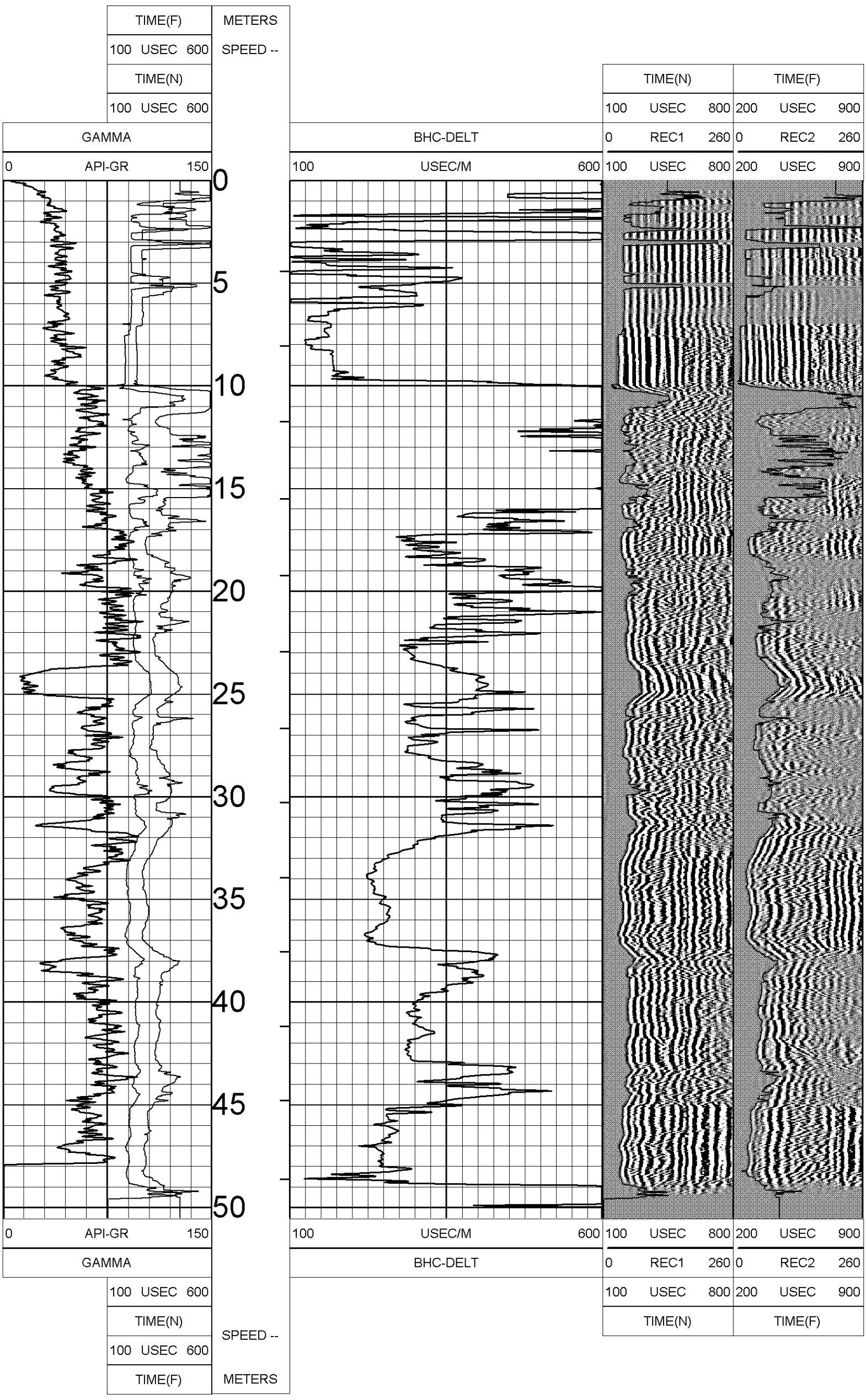
SONIC LOG 1:200 DHGH-14-20 06/24/14

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-14-20 06/24/14

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TOOL CALIBRATION DHGH-14-20 06/24/14 06:10:
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