WIRELINE SERVICES

FULL WAVE SONIC
DHGH-14-05

COMPANY	ATRUM COAL
WELL	DHGH-14-05
WELL EXT	
FIELD	GROUND HOG
COUNTY	CANADA
STATE	BRITISH COLUMBIA
COUNTRY	---
API NO.	N/A

COMPANY : ATRUM COAL
WELL : DHGH-14-05
WELL EXT :
FIELD : GROUND HOG
COUNTY : CANADA
STATE : BRITISH COLUMBIA
COUNTRY : ---
API NO. : N/A
UNIQ ID : N/A
LOCATION N/A

SECTION: N/A TOWNSHIP: N/A RANGE: N/A
LATITUDE: N/A
LONGITUDE: N/A

PERMANENT DATUM	GL		Elevations:			Other Services:
DRL MEASURED FROM	GL		KB	N/A	M	NEU
LOG MEASURED FROM	GL		DF	N/A	M	DEN
ELEV. PERM. DATUM	GL	M	GL	N/A	M	

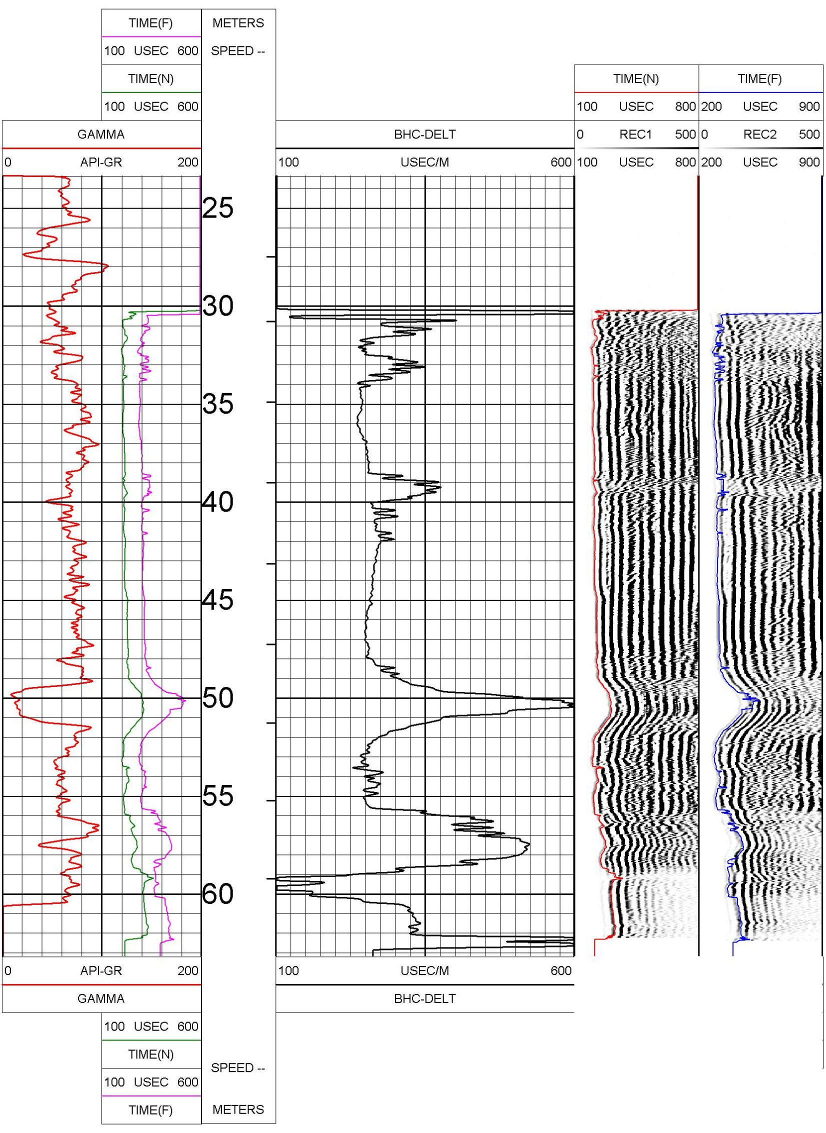
DATE	04/15/14 23:14:			
DEPTH DRILLER	120.39	M		
DEPTH LOGGER	119.31	M		
FIRST READING		M		
LAST READING		M		
BIT SIZE	97.0	MM		
CASING -- DRILLER	3.05	M		
CASING -- LOGGER	3.05	M		
CASING O.D.	NA	CM		
CASING THICKNESS	N/A	CM		
CASING TYPE	SURFACE			
FLUID TYPE	H2O			
FLUID DENSITY	1.00			
FLUID VISCOSITY				
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	JSTAPELBERG			
REMARKS 1	SONIC LOGGED IN 2 PARTS			
REMARKS 2	DUE TO POOR BH CONDITIONS			
REMARKS 3				

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

SONIC LOG 1:200 DHGH-14-05 04/15/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.50 ELECT. CUTOFF : 75000 BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9321.0 03/31/2014 Version 3.65 JI6



SONIC LOG 1:200 DHGH-14-05 04/15/14

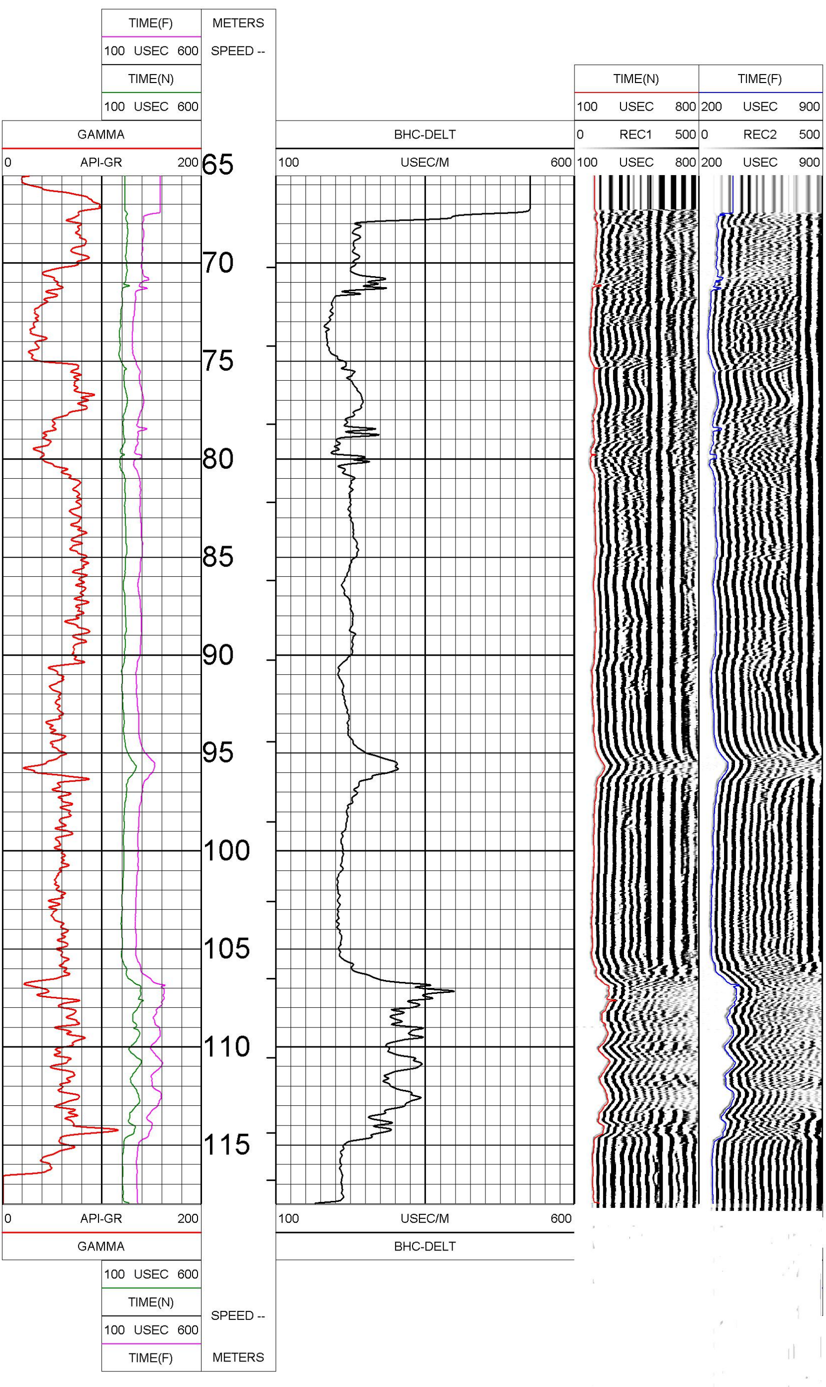
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.50 ELECT. CUTOFF : 75000 BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9321.0 03/31/2014 Version 3.65 JI6

SONIC LOG 1;200 DHGH-05-14 04/15/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.50 ELECT. CUTOFF : 75000 BIT SIZE : 9.70
PRESENTATION NAME/DATE = Atrum_9321.0 03/31/2014 Version 3.65 JI6



SONIC LOG 1:200 DHGH-14-05 04/15/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.50 ELECT. CUTOFF : 75000 BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9321.0 03/31/2014 Version 3.65 JI6

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TOOL CALIBRATION  DHGH-14-05 04/15/14 23:14
TOOL  9321A2      TM VERSION 2
SERIAL NUMBER    2412
   DATE      TIME              SENSOR      STANDARD                              RESPONSE
1  Nov11,08  12:12:15          GAMMA       0.000     [API-GR  ]                  3.000    [CPS]
   Nov11,08  12:12:15          GAMMA     340.000     [API-GR  ]                321.000    [CPS]
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