Century WIRELINE SERVICES

DIPMETER ANALYSIS
DHGH-14-06

COMPANY	ATRUM COAL
WELL	DHGH-14-06
FIELD	GROUNDHOG
COUNTRY	CANADA
PROVINCE	BRITISH COLUMBIA

OTHER SERVICES:
SONIC
DENSITY
NEUTRON

LSD	GROUNDHOG
SECTION	N/A
TOWNSHIP	N/A
RANGE	N/A
LICENSE NO.	N/A
UNIQUE WELL ID.	N/A

PERMANENT DATUM	GL	ELEVATION KB	N/A
LOG MEASURED FROM GL		ELEVATION DF	N/A
DRL MEASURED FROM GL		ELEVATION GL	N/A

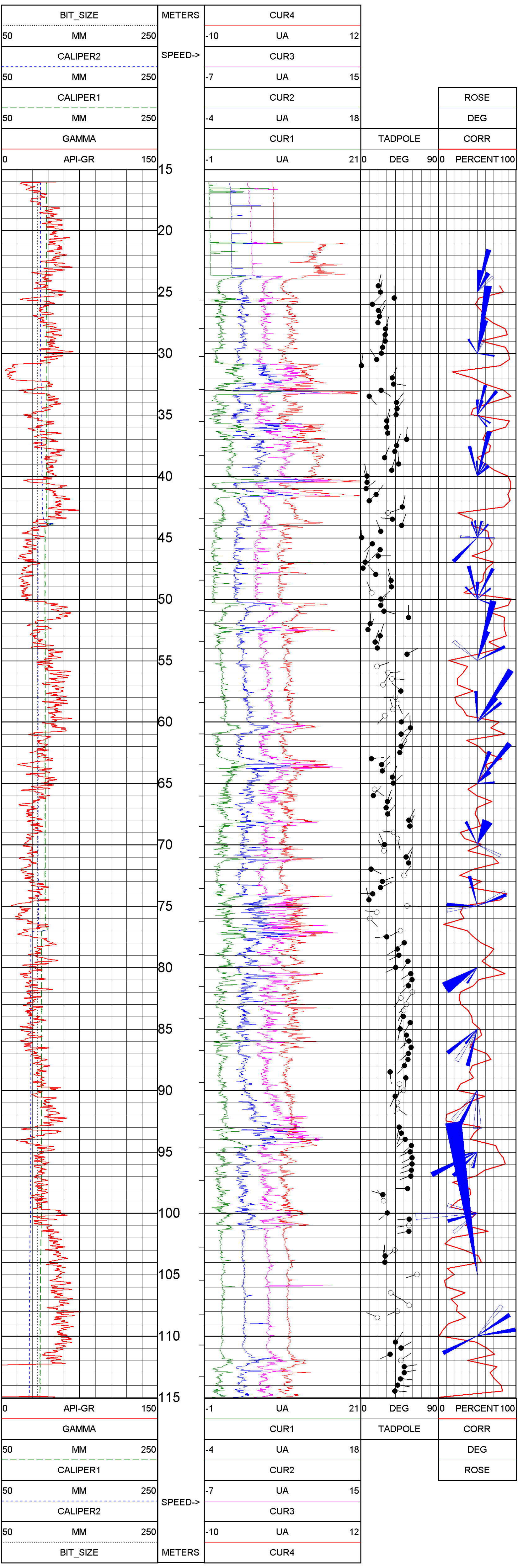
DATE	04/18/14	RIG NUMBER	2
DEPTH DRILLER	114.30	LOGGER TD	115.99
BIT SIZE	97.0	ARRIVAL TIME	19:00
LOG TOP	16.00	DEPARTURE TIME	7:00
LOG BOTTOM	115.00	CIRC STOPPED	N/A
CASING LOGGER	13.71		
CASING DRILLER	13.71		
CASING TYPE	STEEL		
BOREHOLE FLUID	WATER		
RM TEMPERATURE	N/A		
MUD RES	N/A		
MUD WEIGHT	1.00		
WITNESSED BY	N/A		
RECORDED BY	T. NEAL		
REMARKS 1	VERTICAL		
REMARKS 2	:		

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

FORMATION DIPMETER 1:200 DHGH-14-06 04/18/14

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.5	ELECT. CUTOFF : 75000	BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9411-2.0 04/13/2014		VERSION = 3.64KX



FORMATION DIPMETER 1:200 DHGH-14-06 04/18/14

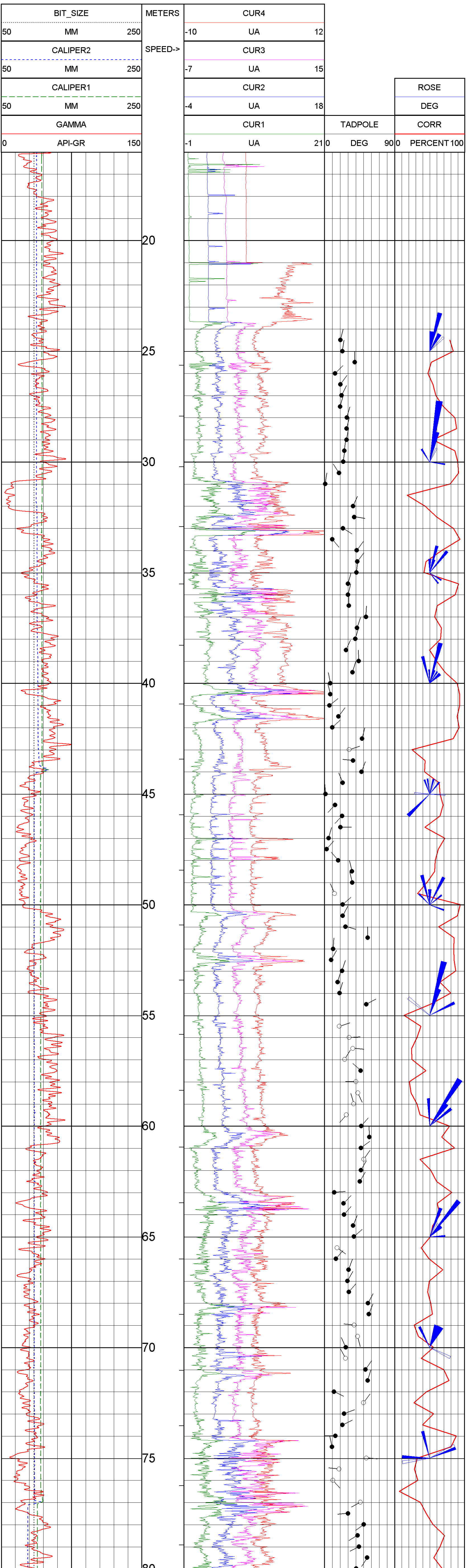
LOG PARAMETERS

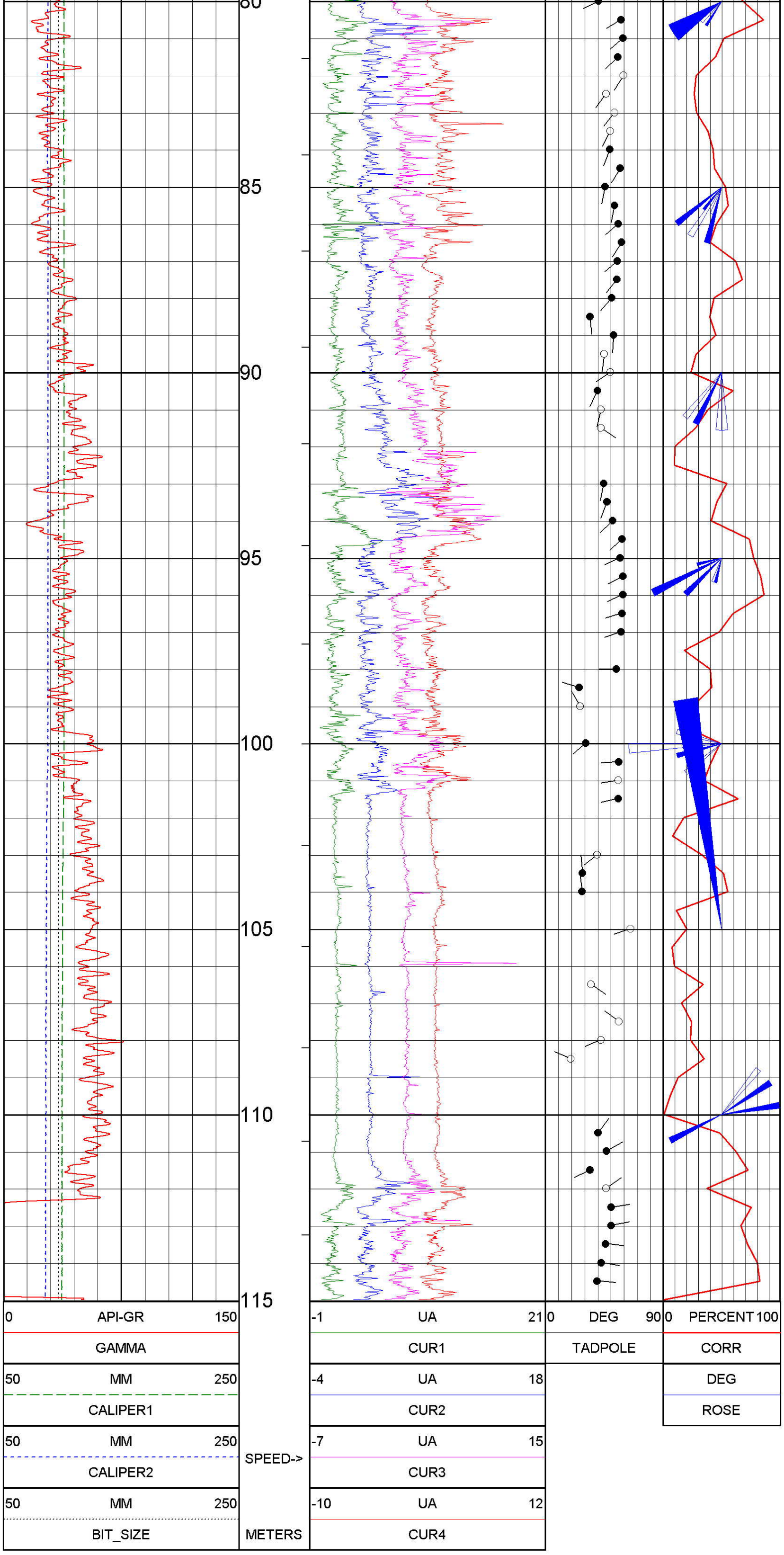
MATRIX DENSITY : 2.65
NEUTRON MATRIX : SANDSTONE
MATRIX DELTA T : 177
MAGNETIC DECL : 19.5
ELECT. CUTOFF : 75000
BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9411-2.0 04/13/2014
VERSION = 3.64KX

FORMATION DIPMETER 1:100 DHGH-14-06 04/18/14

LOG PARAMETERS

MATRIX DENSITY : 2.65
NEUTRON MATRIX : SANDSTONE
MATRIX DELTA T : 177
MAGNETIC DECL : 19.5
ELECT. CUTOFF : 75000
BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9411-2.0 04/13/2014
VERSION = 3.64KX





FORMATION DIPMETER 1:100 DHGH-14-06 04/18/14

LOG PARAMETERS

MATRIX DENSITY : 2.65
NEUTRON MATRIX : SANDSTONE
MATRIX DELTA T : 177
MAGNETIC DECL : 19.5
ELECT. CUTOFF : 75000
BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9411-2.0 04/13/2014
VERSION = 3.64KX

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TOOL CALIBRATION  DHGH-14-06 04/18/14 03:43
TOOL  9411A      TM VERSION 6
SERIAL NUMBER    4546
     DATE       TIME              SENSOR     STANDARD                     RESPONSE
1    Aug06,13   13:06:24          GAMMA        0.100   [API-GR ]        0.000   [CPS]
     Aug06,13   13:06:24          GAMMA      545.000   [API-GR ]      556.000   [CPS]
2    Aug06,13   13:06:31          VOLTAGE     34.200   [MV     ]      218.000   [CPS]
     Aug06,13   13:06:31          VOLTAG     129.000   [MV     ]      835.000   [CPS]
3    Aug06,13   13:06:38          CUR1         3.400   [UA     ]     6602.000   [CPS]
     Aug06,13   13:06:38          CUR1         7.400   [UA     ]    13590.000   [CPS]
4    Aug06,13   13:06:40          CUR2         3.400   [UA     ]     6531.000   [CPS]
     Aug06,13   13:06:40          CUR2         7.400   [UA     ]    13465.000   [CPS]
5    Aug06,13   13:06:42          CUR3         3.400   [UA     ]     6683.000   [CPS]
     Aug06,13   13:06:42          CUR3         7.400   [UA     ]    13800.000   [CPS]
6    Aug06,13   13:06:44          CUR4         3.400   [UA     ]     6620.000   [CPS]
     Aug06,13   13:06:44          CUR4         7.400   [UA     ]    13650.000   [CPS]
7    Apr02,14   09:49:32          CALIPER    100.000   [MM     ]     4268.000   [CPS]
     Apr02,14   09:49:32          CALIPER    150.000   [MM     ]     6065.000   [CPS]
8    Apr02,14   09:49:49          CALIPER    100.000   [MM     ]     4700.000   [CPS]
     Apr02,14   09:49:49          CALIPER    150.000   [MM     ]     5875.000   [CPS]
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