DIPMETER ANALYSIS

DHGH-14-03

Century Wireline Services

COMPANY	ATRUM COAL		
WELL	DHGH-14-03		
FIELD	GROUNDHOG		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		
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	04/11/14	RIG NUMBER	2
DEPTH DRILLER	104.54	LOGGER TD	103.90
BIT SIZE	97.0	ARRIVAL TIME	19:00
LOG TOP	40.64	DEPARTURE TIME	7:00
LOG BOTTOM	103.00	CIRC STOPPED	N/A
CASING LOGGER	7.62		
CASING DRILLER	7.62		
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	:		

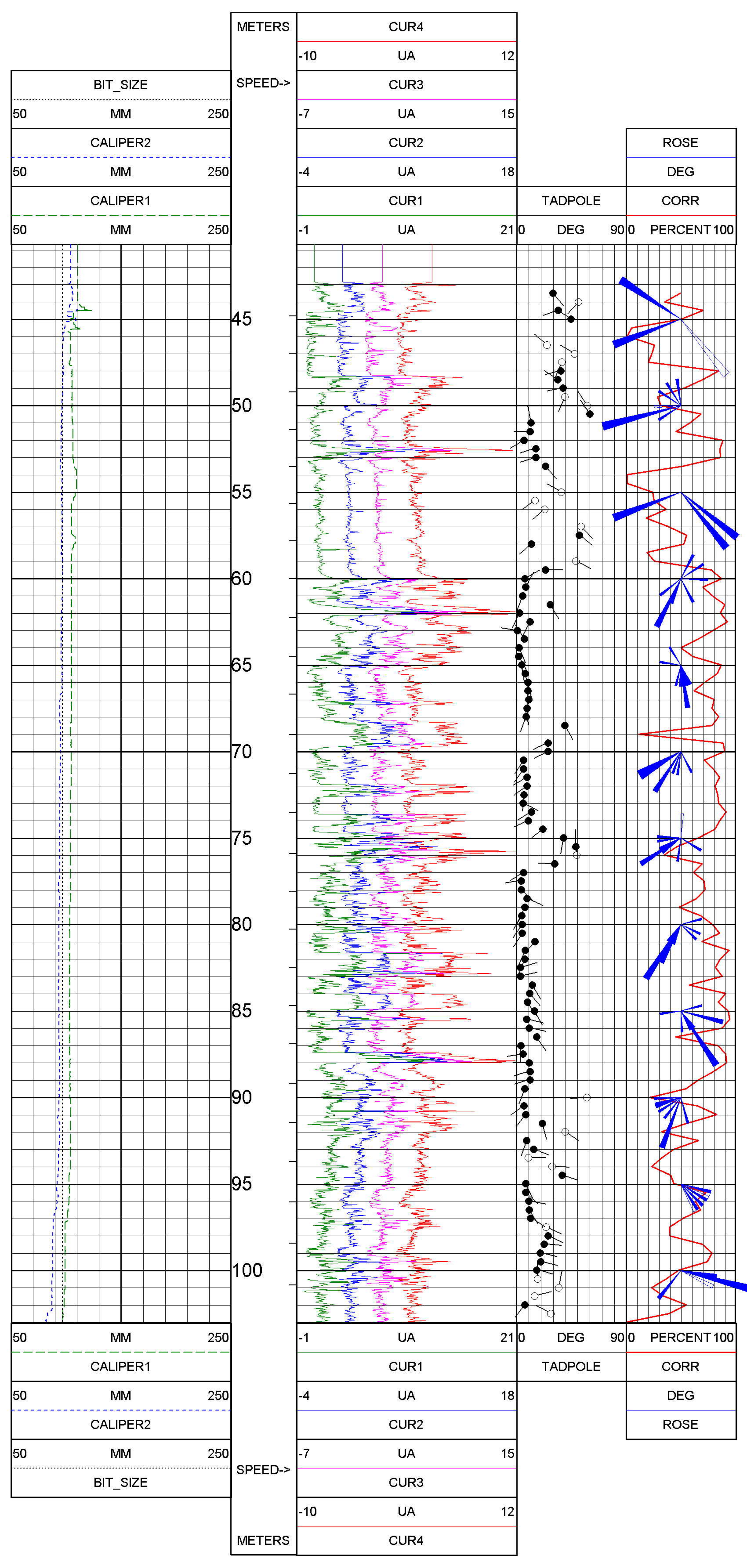
OTHER SERVICES:
NEUTRON
DENSITY
SONIC

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

FORMATION DIPMETER 1:200 DHGH-14-03 04/11/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 | NEUTRON MATRIX : SANDSTONE | MATRIX DELTA T : 177
MAGNETIC DECL : 19.5 | ELECT. CUTOFF : 99999 | BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9411-2.0 04/11/2014 | VERSION = 3.64KX



FORMATION DIPMETER 1:200 DHGH-14-03 04/11/14

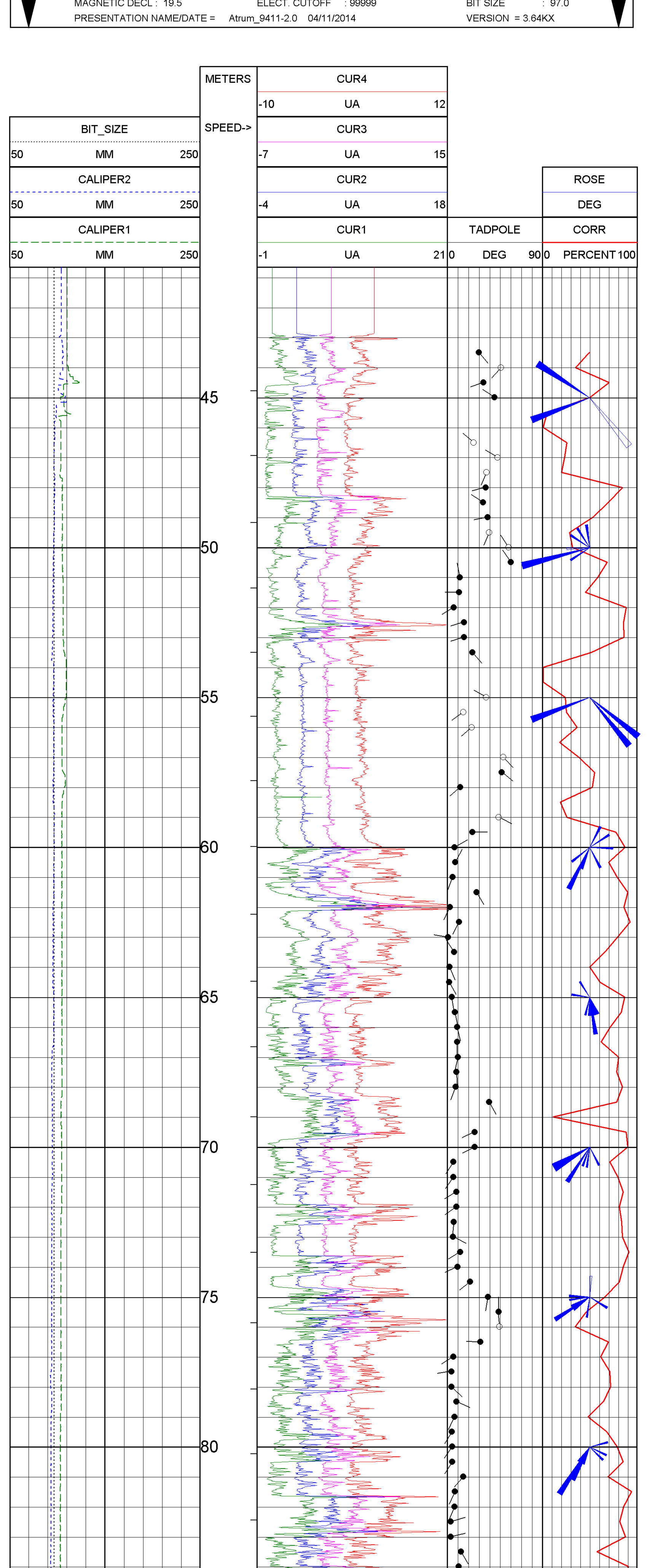
LOG PARAMETERS

MATRIX DENSITY : 2.65 | NEUTRON MATRIX : SANDSTONE | MATRIX DELTA T : 177
MAGNETIC DECL : 19.5 | ELECT. CUTOFF : 99999 | BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9411-2.0 04/11/2014 | VERSION = 3.64KX

FORMATION DIPMETER 1:100 DHGH-14-03 04/11/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 | NEUTRON MATRIX : SANDSTONE | MATRIX DELTA T : 177
MAGNETIC DECL : 19.5 | ELECT. CUTOFF : 99999 | BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9411-2.0 04/11/2014 | VERSION = 3.64KX



FORMATION DIPMETER 1:100 DHGH-14-03 04/11/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 | NEUTRON MATRIX : SANDSTONE | MATRIX DELTA T : 177
MAGNETIC DECL : 19.5 | ELECT. CUTOFF : 99999 | BIT SIZE : 97.0
PRESENTATION NAME/DATE = Atrum_9411-2.0 04/11/2014 | VERSION = 3.64KX

TOOL CALIBRATION DHGH-14-03 04/11/14 00:35
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]