Century WIRELINE SERVICES

DIPMETER ANALYSIS
DHGH-14-24

COMPANY	ATRUM COAL
WELL	DHGH-14-24
FIELD	GROUNDHOG
COUNTRY	CANADA
PROVINCE	BRITISH COLUMBIA

OTHER SERVICES:
DENTP
DEN
NEUTP

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

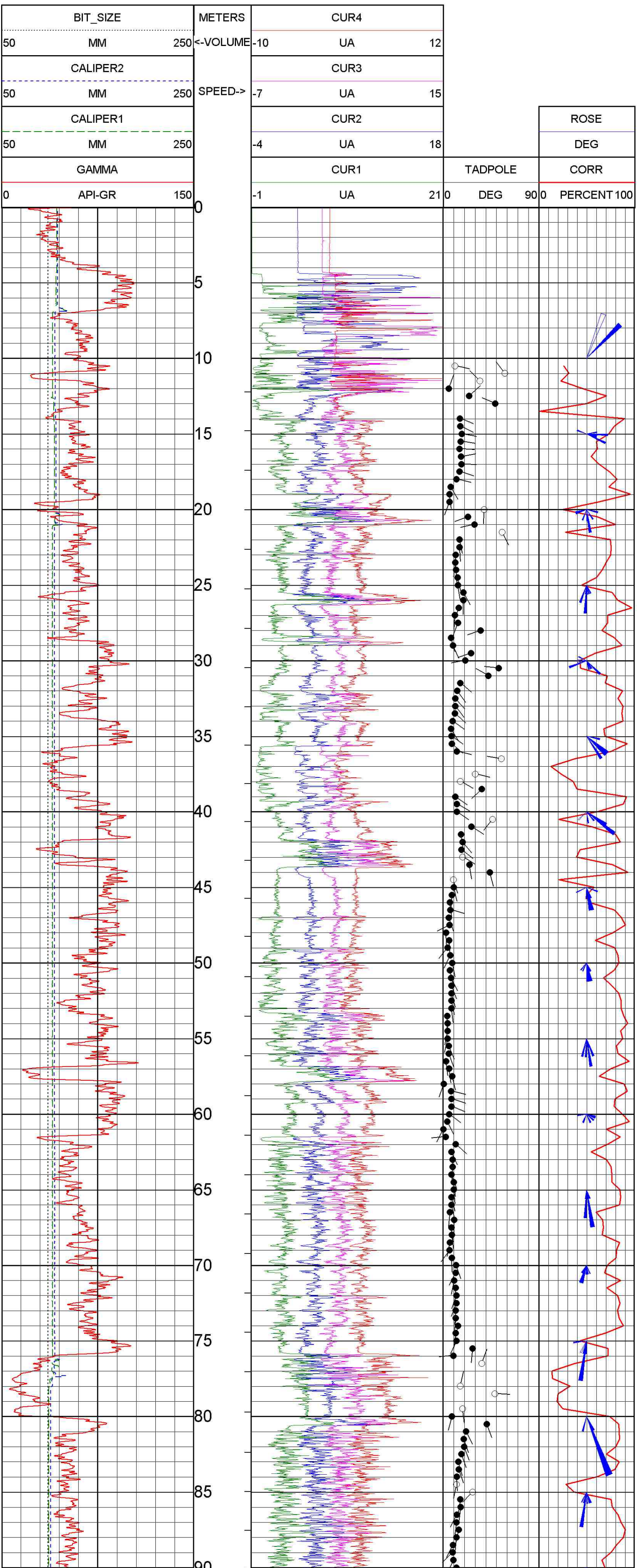
DATE	06/28/14	RIG NUMBER	2
DEPTH DRILLER	123.00	LOGGER TD	125.87
BIT SIZE	98.4	ARRIVAL TIME	10:00
LOG TOP	0.00	DEPARTURE TIME :	
LOG BOTTOM	125.00	CIRC STOPPED	N/A
CASING LOGGER	4.42		
CASING DRILLER	4.57		
CASING TYPE	STEEL		
BOREHOLE FLUID	WATER		
RM TEMPERATURE	N/A		
MUD RES	N/A		
MUD WEIGHT	1.00		
WITNESSED BY	N/A		
RECORDED BY	D. SINKWICH		
REMARKS 1	VERTICAL		
REMARKS 2	:		

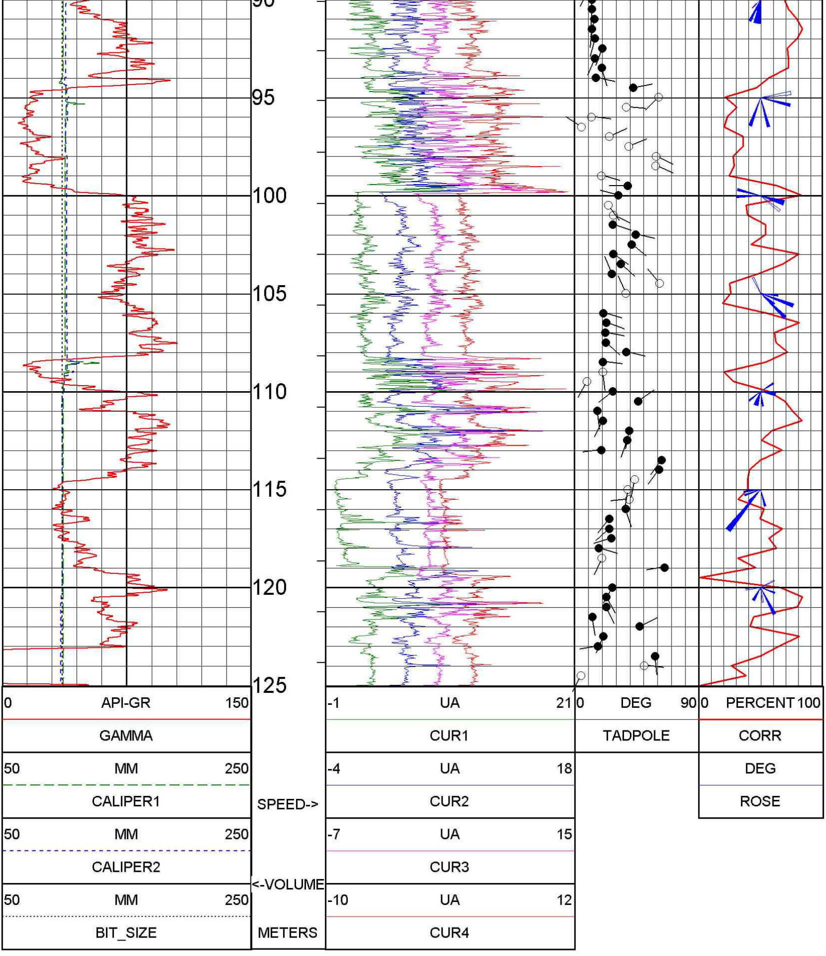
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

FORMATION DIPMETER 1:200 DHGH-14-24 06/28/14

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_9411_(200 scale).0 06/12/2014		VERSION = 3.64LG





FORMATION DIPMETER 1:200 DHGH-14-24 06/28/14

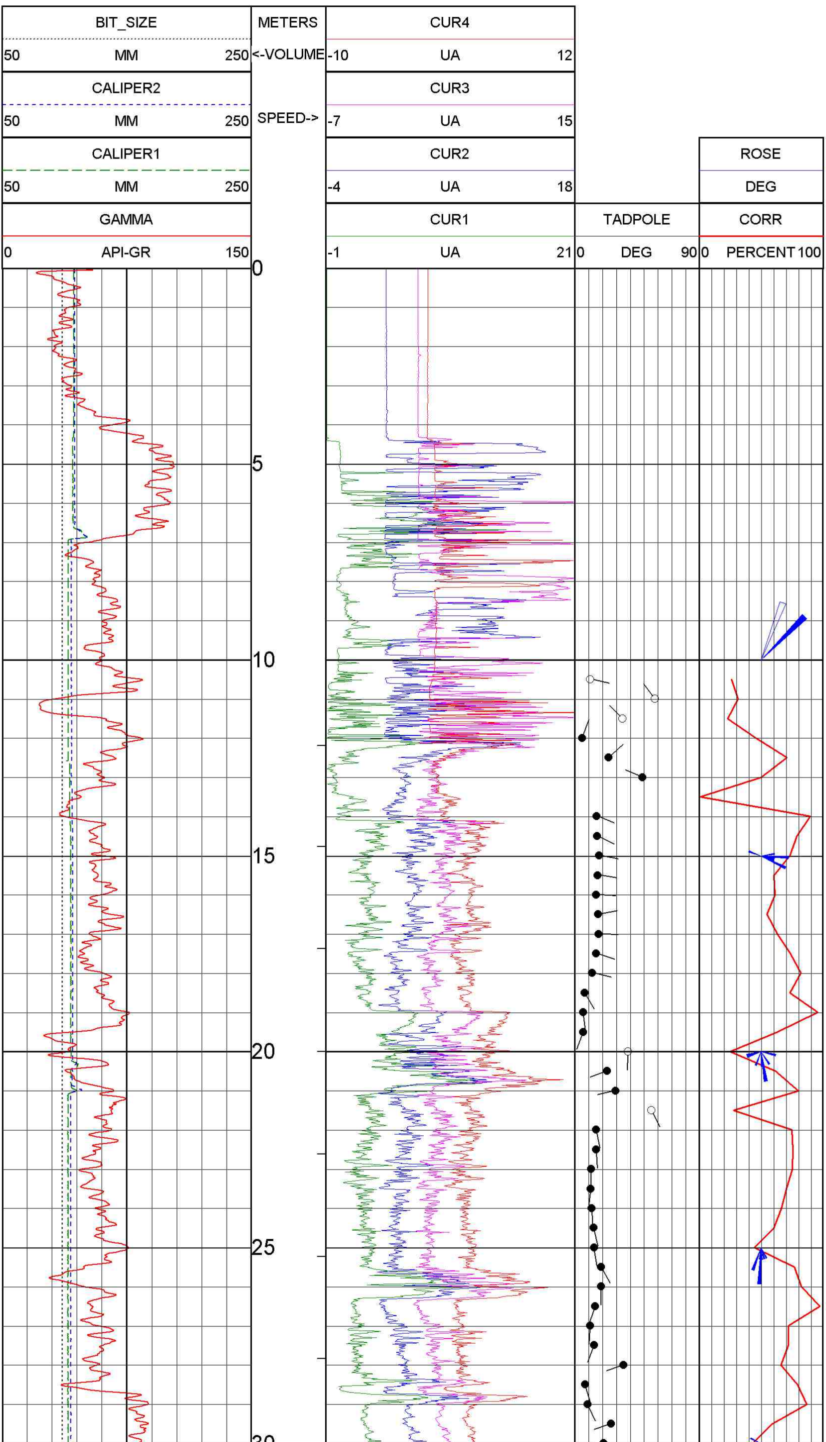
LOG PARAMETERS

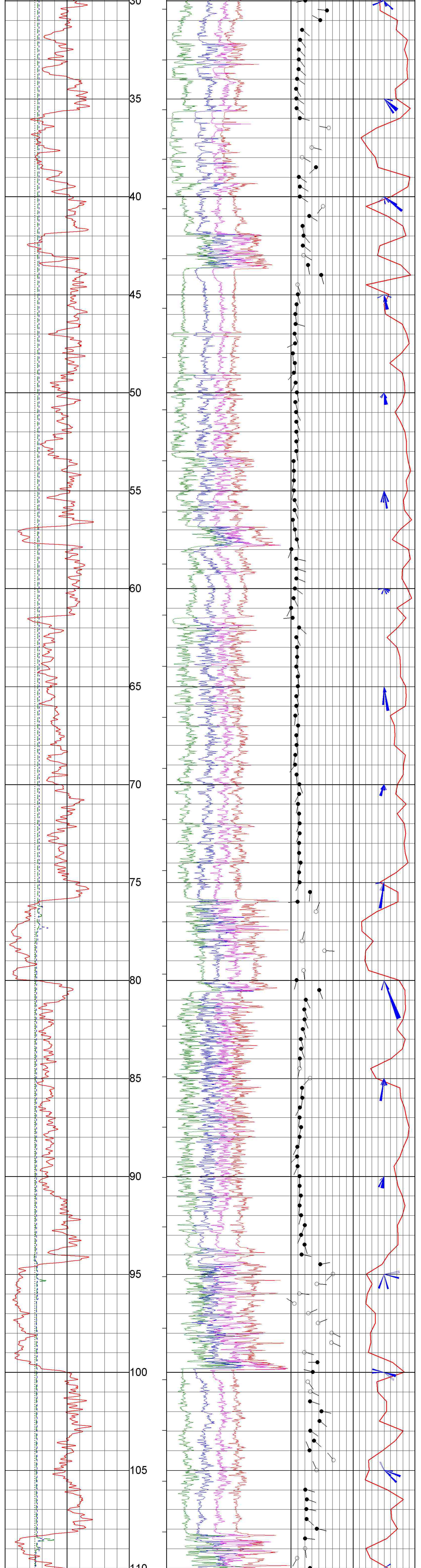
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.5 ELECT. CUTOFF : 75000 BIT SIZE : 98.4
PRESENTATION NAME/DATE = Atrum_9411_(200 scale).0 06/12/2014 VERSION = 3.64LG

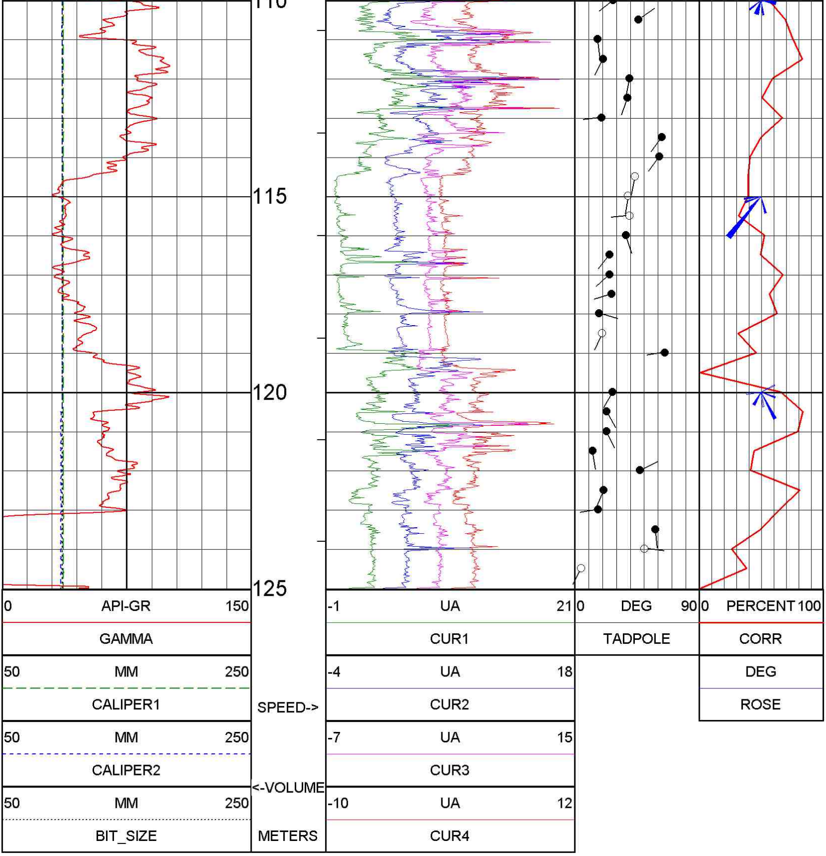
FORMATION DIPMETER 1:100 DHGH-14-24 06/28/14

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_9411_(100 scale).0 06/12/2014 VERSION = 3.64LG







FORMATION DIPMETER 1:100 DHGH-14-24 06/28/14

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_9411_(100 scale).0 06/12/2014
VERSION = 3.64LG

TOOL CALIBRATION DHGH-14-24 06/28/14 18:54
TOOL 9411A TM VERSION 6
SERIAL NUMBER 4504

	DATE	TIME	SENSOR	STANDARD		RESPONSE	
1	Sep04,13	18:17:51	GAMMA	0.100	[API-GR]	0.000	[CPS]
	Sep04,13	18:17:51	GAMMA	545.000	[API-GR]	519.000	[CPS]
2	May04,10	14:04:32	VOLTAGE	50.000	[MV]	400.000	[CPS]
	May04,10	14:04:32	VOLTAG	280.000	[MV]	1900.000	[CPS]
3	Jan13,14	09:54:46	CUR1	5.580	[UA]	8180.000	[CPS]
	Jan13,14	09:54:46	CUR1	13.250	[UA]	22864.000	[CPS]
4	Jan13,14	09:54:56	CUR2	5.580	[UA]	9045.000	[CPS]
	Jan13,14	09:54:56	CUR2	13.250	[UA]	22151.000	[CPS]
5	Jan13,14	09:55:08	CUR3	5.580	[UA]	8711.000	[CPS]
	Jan13,14	09:55:08	CUR3	13.250	[UA]	21601.000	[CPS]
6	Jan13,14	09:55:14	CUR4	5.580	[UA]	8241.000	[CPS]
	Jan13,14	09:55:14	CUR4	13.250	[UA]	23064.000	[CPS]
7	Dec07,13	21:40:24	CALIPER	100.000	[INCH]	5085.000	[CPS]
	Dec07,13	21:40:24	CALIPER	152.000	[INCH]	6983.000	[CPS]
8	Dec07,13	21:40:54	CALIPER	100.000	[INCH]	3877.000	[CPS]
	Dec07,13	21:40:54	CALIPER	152.000	[INCH]	5952.000	[CPS]