Century WIRELINE SERVICES

DIPMETER ANALYSIS

DH-14-01

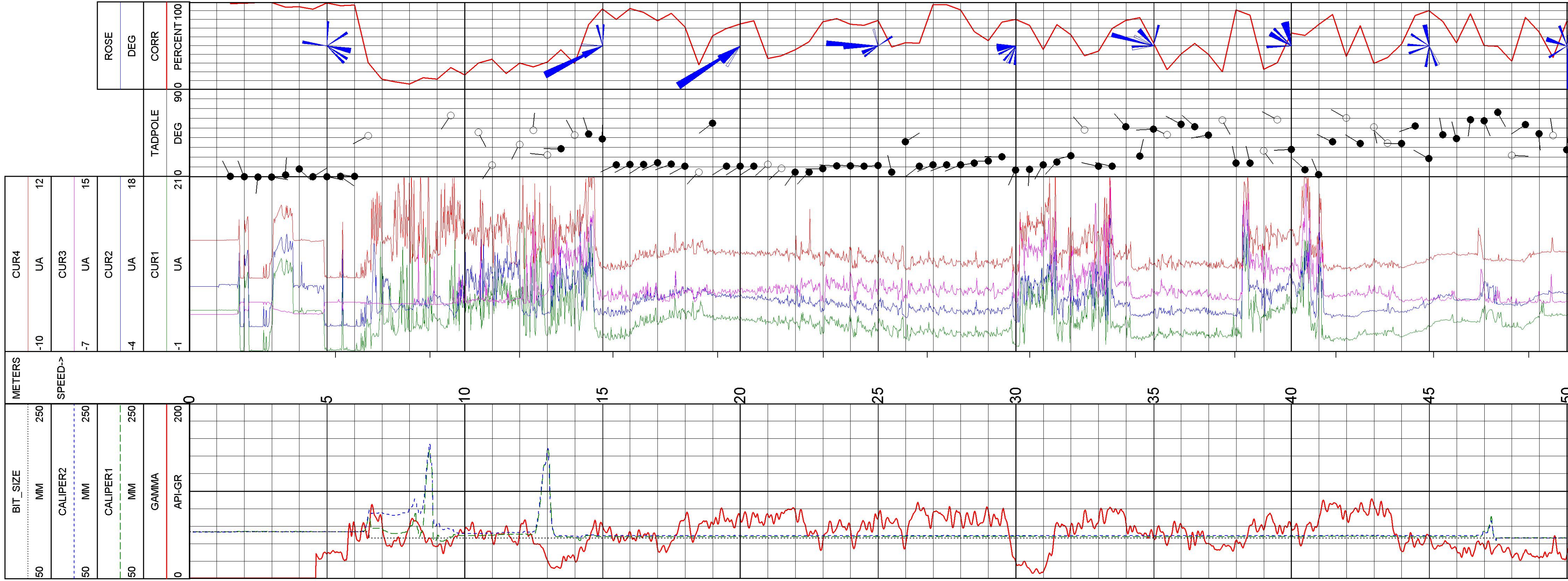
COMPANY	ATRUM COAL	OTHER SERVICES:	DEN NEU SONIC
WELL	DH-14-01		
FIELD	GROUND HOG		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		
LSD	N/A		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
LICENSE NO.	N/A		
UNIQUE WELL ID.	N/A		
PERMANENT DATUM	GL	ELEVATION KB	N/A
LOG MEASURED FROM	GL	ELEVATION DF	N/A
DRL MEASURED FROM	GL	ELEVATION GL	N/A
DATE	04/06/14	RIG NUMBER	#2
DEPTH DRILLER	101.49	LOGGER TD	101.13
BIT SIZE	97.00	ARRIVAL TIME	19:30
LOG TOP	0.00	DEPARTURE TIME	19:00
LOG BOTTOM	100.50	CIRC STOPPED	N/A
CASING LOGGER	6.52		
CASING DRILLER	6.10		
CASING TYPE	SURFACE		
BOREHOLE FLUID	H2O		
RM TEMPERATURE	N/A		
MUD RES	N/A		
MUD WEIGHT	1.00		
WITNESSED BY	HAYDEN MCKENZIE		
RECORDED BY	JSTAPELBERG		
REMARKS 1	:		
REMARKS 2	:		

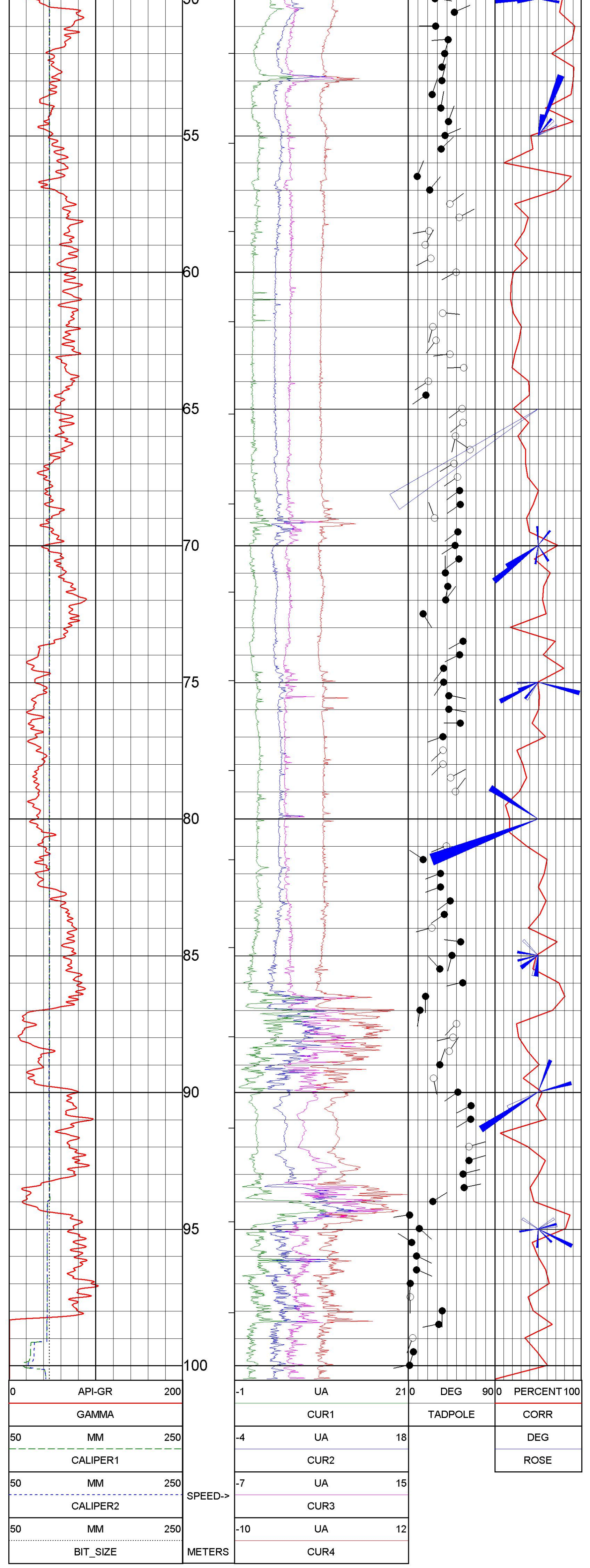
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

FORMATION DIPMETER 1:100 DH-14-01 04/06/14

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.50	ELECT. CUTOFF : 75000	BIT SIZE : 97.00
PRESENTATION NAME/DATE = Atrum_9411-2.0 03/31/2014		VERSION = 3.64LD





FORMATION DIPMETER 1:100 DH-14-01 04/06/14

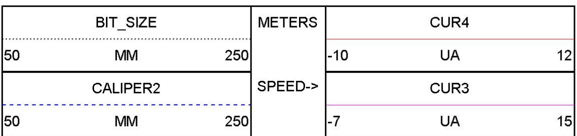
LOG PARAMETERS

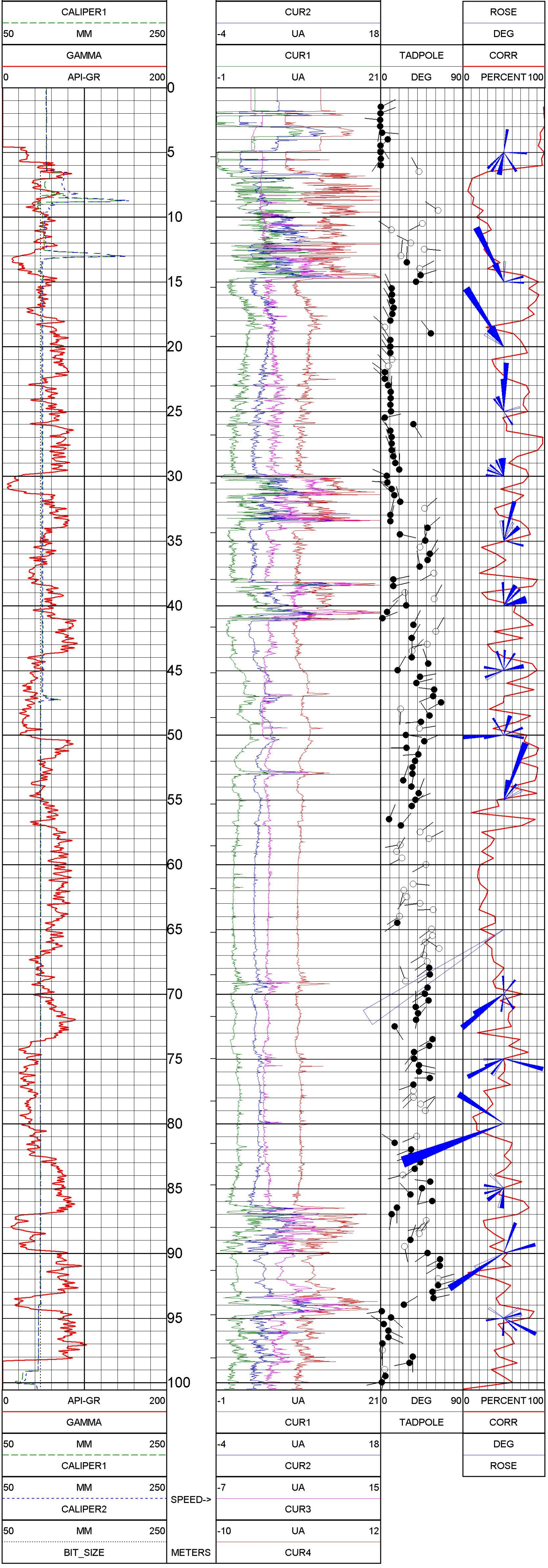
MATRIX DENSITY : 2.65
NEUTRON MATRIX : SANDSTONE
MATRIX DELTA T : 177
MAGNETIC DECL : 19.50
ELECT. CUTOFF : 75000
BIT SIZE : 97.00
PRESENTATION NAME/DATE = Atrum_9411-2.0 03/31/2014
VERSION = 3.64LD

FORMATION DIPMETER 1:200 DH-14-01 04/06/14

LOG PARAMETERS

MATRIX DENSITY : 2.65
NEUTRON MATRIX : SANDSTONE
MATRIX DELTA T : 177
MAGNETIC DECL : 19.50
ELECT. CUTOFF : 75000
BIT SIZE : 97.00
PRESENTATION NAME/DATE = Atrum_9411-2.0 03/31/2014
VERSION = 3.64LD





FORMATION DIPMETER 1:200 DH-14-01 04/06/14

LOG PARAMETERS

MATRIX DENSITY : 2.65
NEUTRON MATRIX : SANDSTONE
MATRIX DELTA T : 177
MAGNETIC DECL : 19.50
ELECT. CUTOFF : 75000
BIT SIZE : 97.00
PRESENTATION NAME/DATE = Atrum_9411-2.0 03/31/2014
VERSION = 3.64LD

TOOL CALIBRATION DH-14-01 04/06/14 13:47
TOOL 9411A TM VERSION 6
SERIAL NUMBER 2364

	DATE	TIME	SENSOR	STANDARD		RESPONSE	
1	Jan17,13	11:09:22	GAMMA	0.000	[API-GR]	3.000	[CPS]
	Jan17,13	11:09:22	GAMMA	545.000	[API-GR]	564.230	[CPS]
2	Dec18,09	09:12:20	VOLTAGI	22.400	[MV]	222.300	[CPS]
	Dec18,09	09:12:20	VOLTAG	128.600	[MV]	904.500	[CPS]
3	Apr25,13	12:58:11	CUR1	4.040	[UA]	7353.000	[CPS]
	Apr25,13	12:58:11	CUR1	12.800	[UA]	20217.000	[CPS]
4	Apr25,13	12:37:51	CUR2	4.020	[UA]	7382.000	[CPS]
	Apr25,13	12:37:51	CUR2	12.800	[UA]	20511.000	[CPS]
5	Apr25,13	12:59:06	CUR3	4.040	[UA]	6752.000	[CPS]
	Apr25,13	12:59:06	CUR3	12.800	[UA]	19000.000	[CPS]
6	Apr25,13	12:58:24	CUR4	4.040	[UA]	7302.000	[CPS]
	Apr25,13	12:58:24	CUR4	12.800	[UA]	20333.000	[CPS]
7	Oct02,13	10:10:34	CALIPER	100.000	[MM]	4140.000	[CPS]
	Oct02,13	10:10:34	CALIPER	150.000	[MM]	6150.000	[CPS]
8	Oct02,13	10:09:51	CALIPER	100.000	[MM]	4888.000	[CPS]
	Oct02,13	10:09:51	CALIPER	150.000	[MM]	6664.000	[CPS]