Century
WIRELINE SERVICES

GAMMA - NEUTRON
DHGH-14-02

COMPANY	ATRUM COAL
WELL	DHGH-14-02
FIELD	GROUND HOG
COUNTRY	CANADA
PROVINCE	BRITISH COLUMBIA

OTHER SERVICES:
ATV
DIP
SON

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

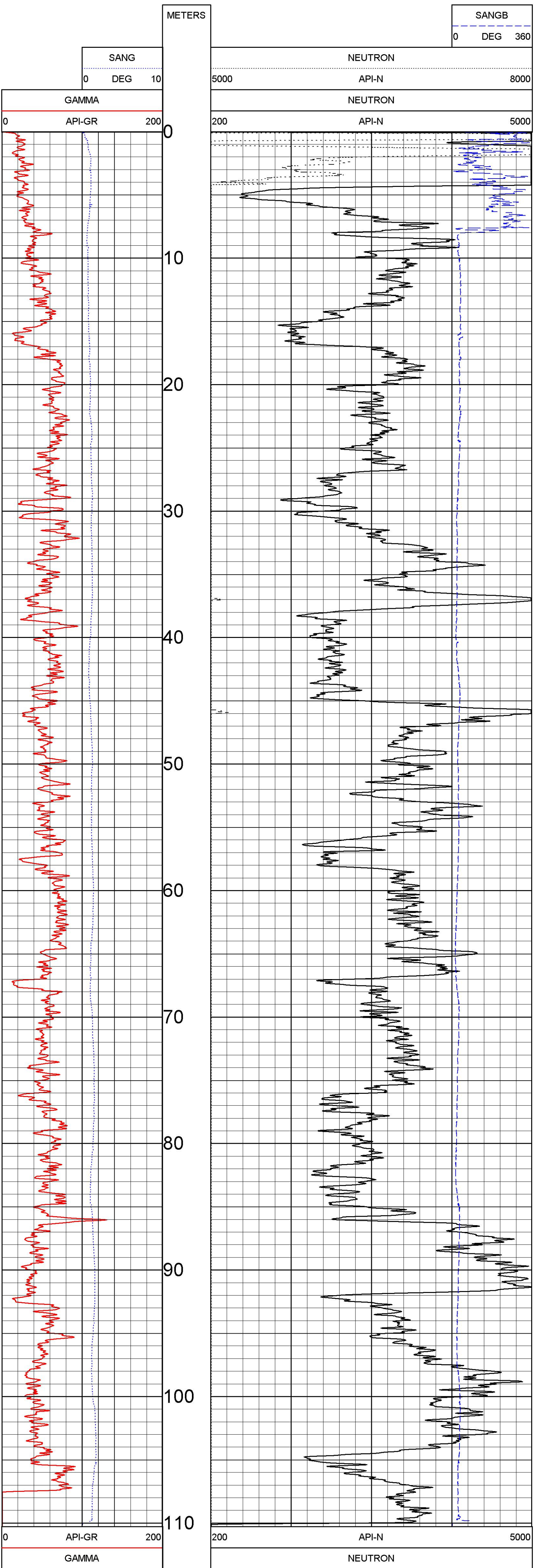
DATE	04/09/14	RIG NUMBER	#2
DEPTH DRILLER	110.64	LOGGER TD	110.32
BIT SIZE	9.70	ARRIVAL TIME	19:00
LOG TOP	0.00	DEPARTURE TIME	07:00
LOG BOTTOM	110.24	CIRC STOPPED	N/A
CASING LOGGER	7.13		
CASING DRILLER	7.62		
CASING TYPE	SURFACE		
BOREHOLE FLUID	H2O		
RM TEMPERATURE	N/A		
MUD RES	N/A		
MUD WEIGHT	1.00		
WITNESSED BY	HAYDEN MCKENZIE		
RECORDED BY	JSTAPELBERG		
REMARKS 1	:		
REMARKS 2	:		

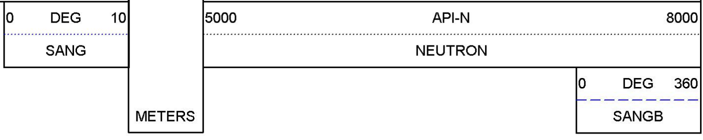
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

NEURON LOG 1:200 OPEN HOLE   DHGH-14-02   04/09/14

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_9058.0 03/31/2014		VERSION = 3.64LD





NEURON LOG 1:200 OPEN HOLE DHGH-14-02 04/09/14

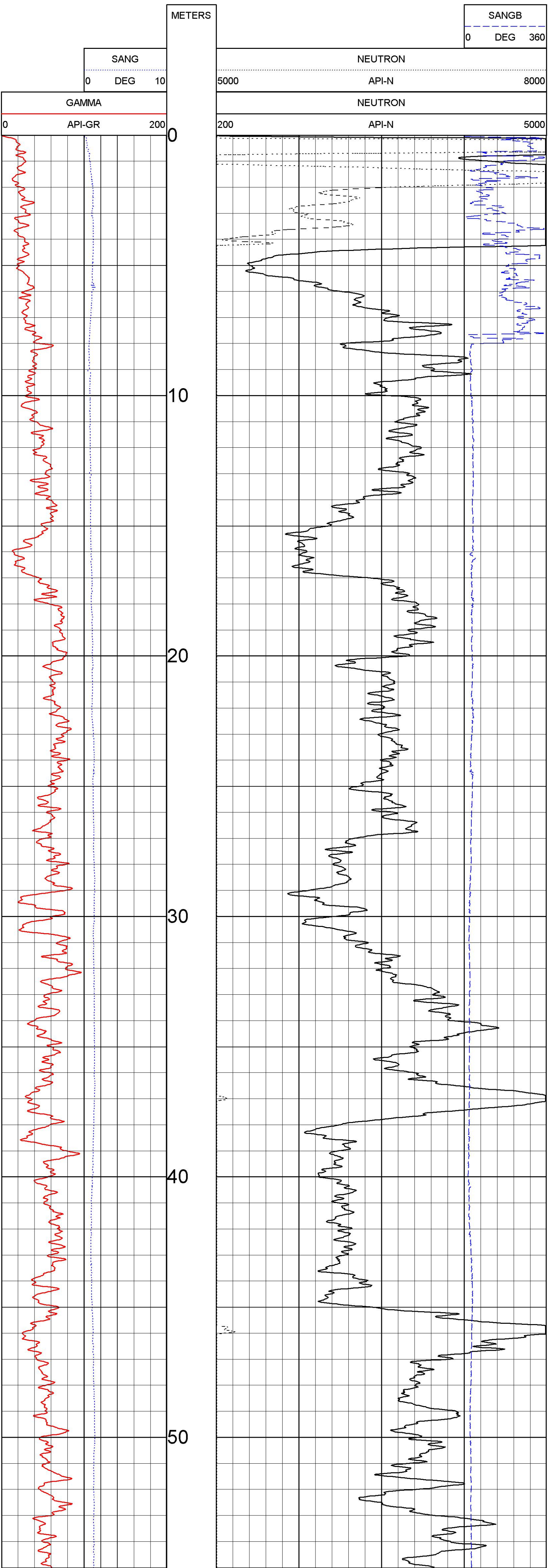
LOG PARAMETERS

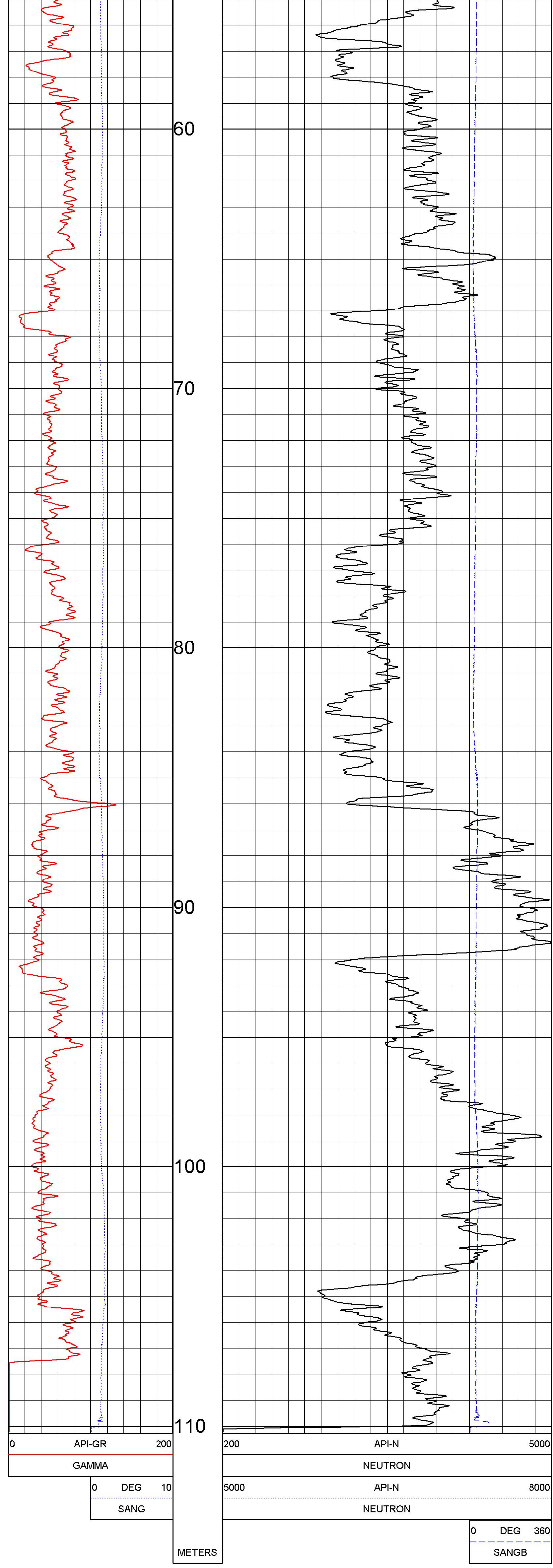
MATRIX DENSITY :	2.65	NEUTRON MATRIX :	SANDSTONE	MATRIX DELTA T :	177
MAGNETIC DECL :	19.50	ELECT. CUTOFF :	75000	BIT SIZE :	9.70
PRESENTATION NAME/DATE =	Atrum_9058.0 03/31/2014			VERSION =	3.64LD

NEUTRON LOG 1:100 OPEN HOLE DHGH-14-02 04/09/14

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_9058.0 03/31/2014			VERSION =	3.64LD





NEUTRON LOG 1:100 OPEN HOLE DHGH-14-02 04/09/14

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_9058.0 03/31/2014
VERSION = 3.64LD

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    TOOL CALIBRATION  DHGH-14-02 04/09/14 01:27
    TOOL  9239C       TM VERSION 2025
    SERIAL NUMBER   2477
     DATE       TIME               SENSOR      STANDARD                        RESPONSE
1    Mar21,14   14:16:58           GAMMA     0.100    [API-GR ]           4.000      [CPS]
     Mar21,14   14:16:58           GAMMA   545.000    [API-GR ]         589.000      [CPS]
2    Apr08,14   20:08:01           VOLTAGI  26.400    [MV     ]        7903.000      [CPS]
     Apr08,14   20:08:01           VOLTAG  229.200    [MV     ]       38060.000      [CPS]
3    Mar21,14   13:07:48           CALIPER 100.000    [MM     ]      168300.000      [CPS]
     Mar21,14   13:07:48           CALIPER 200.000    [MM     ]      423180.000      [CPS]
4    Mar21,14   13:58:29           DEN(LS)   1.620    [G/CC   ]        8686.000      [CPS]
     Mar21,14   13:58:29           DEN(LS)   2.612    [G/CC   ]        1205.000      [CPS]
5    Mar21,14   13:59:03           DEN(SS)   1.590    [G/CC   ]       31905.000      [CPS]
     Mar21,14   13:59:03           DEN(SS)   2.580    [G/CC   ]       14021.000      [CPS]
6    Jun14,13   07:59:07           CALIPERL Default   [CPS]             Default      [CPS]
     Jun14,13   07:59:07           CALIPERL Default   [CPS]             Default      [CPS]
7    Apr08,14   20:08:24           CURREN'  26.400    [UA     ]        6831.000      [CPS]
     Apr08,14   20:08:24           CURREN  229.200    [UA     ]       26235.000      [CPS]
8    Jun14,13   07:59:07           F        Default   [CPS]
9    Jun14,13   07:59:07           X        Default   [CPS]
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