Century WIRELINE SERVICES

GAMMA - NEUTRON

DHGH-14-35

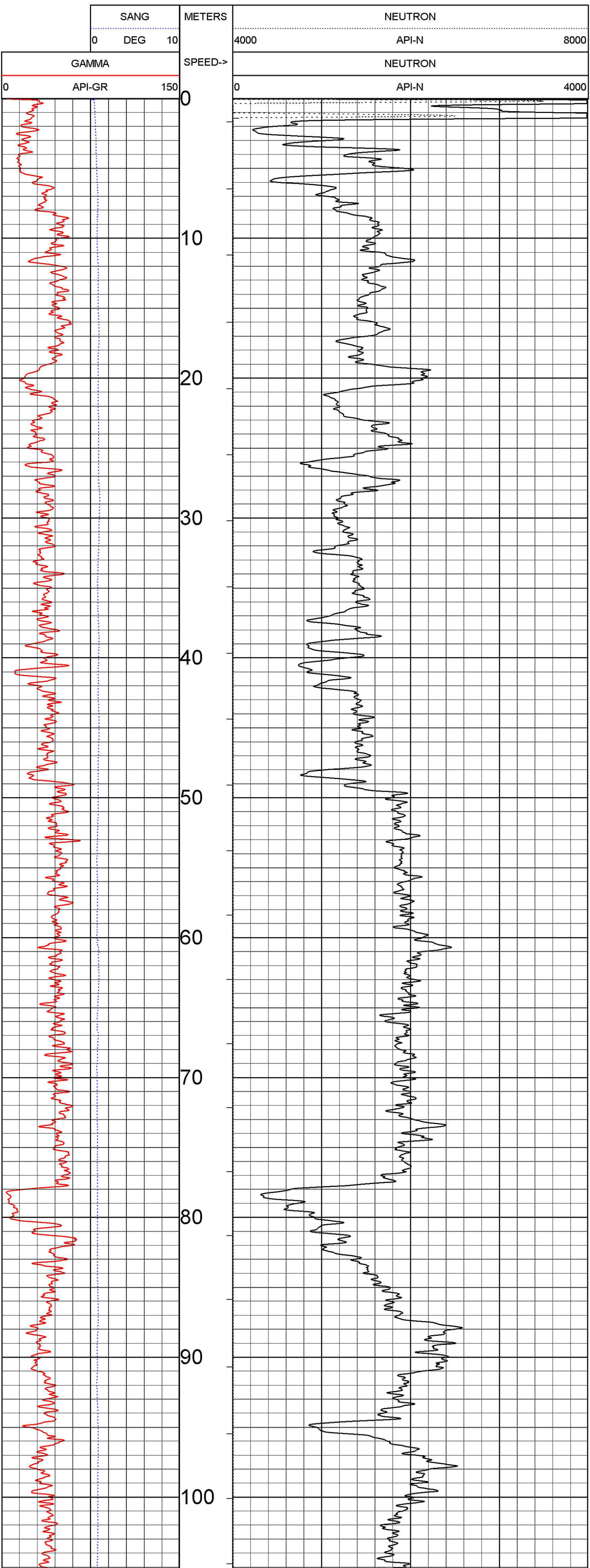
COMPANY	ATRUM COAL	OTHER SERVICES:	DEN DIP
WELL	DHGH-14-35		
FIELD	GROUNDHOG		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		
LSD	N/A		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
LICENSE NO.	N/A		
UNIQUE WELL ID.	N/A		
PERMANENT DATUM	GL	ELEVATION KB	N/A
LOG MEASURED FROM	GL	ELEVATION DF	N/A
DRL MEASURED FROM	GL	ELEVATION GL	N/A
DATE	08/08/14	RIG NUMBER	1
DRILLER TD	319.41	LOGGER TD	320.23
BIT SIZE	97.00	ARRIVAL TIME	08:00
LOG TOP	0.00	DEPARTURE TIME	06:45
LOG BOTTOM	320.78	CIRC STOPPED	08:30
LOGGER CASING	7.62		
DRILLER CASING	7.62		
CASING TYPE	SURFACE		
BOREHOLE FLUID	H2O		
RM TEMPERATURE	N/A		
MUD RES	N/A		
MUD WEIGHT	1.01		
WITNESSED BY	H.MCKENZIE		
RECORDED BY	JSTAPELEBRG		
REMARKS 1	:		
REMARKS 2	:		

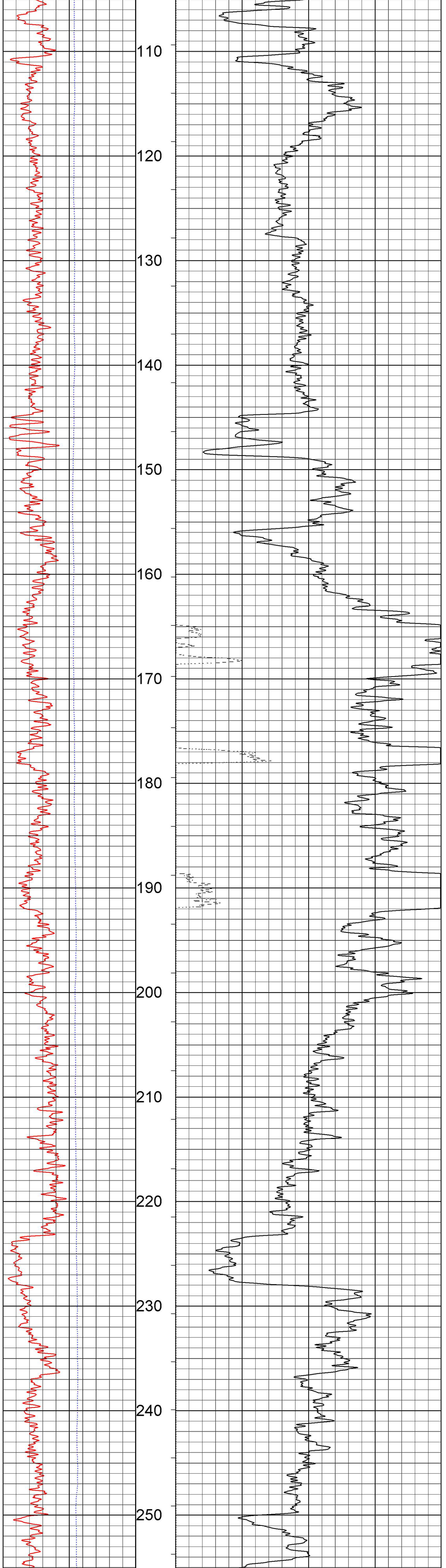
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

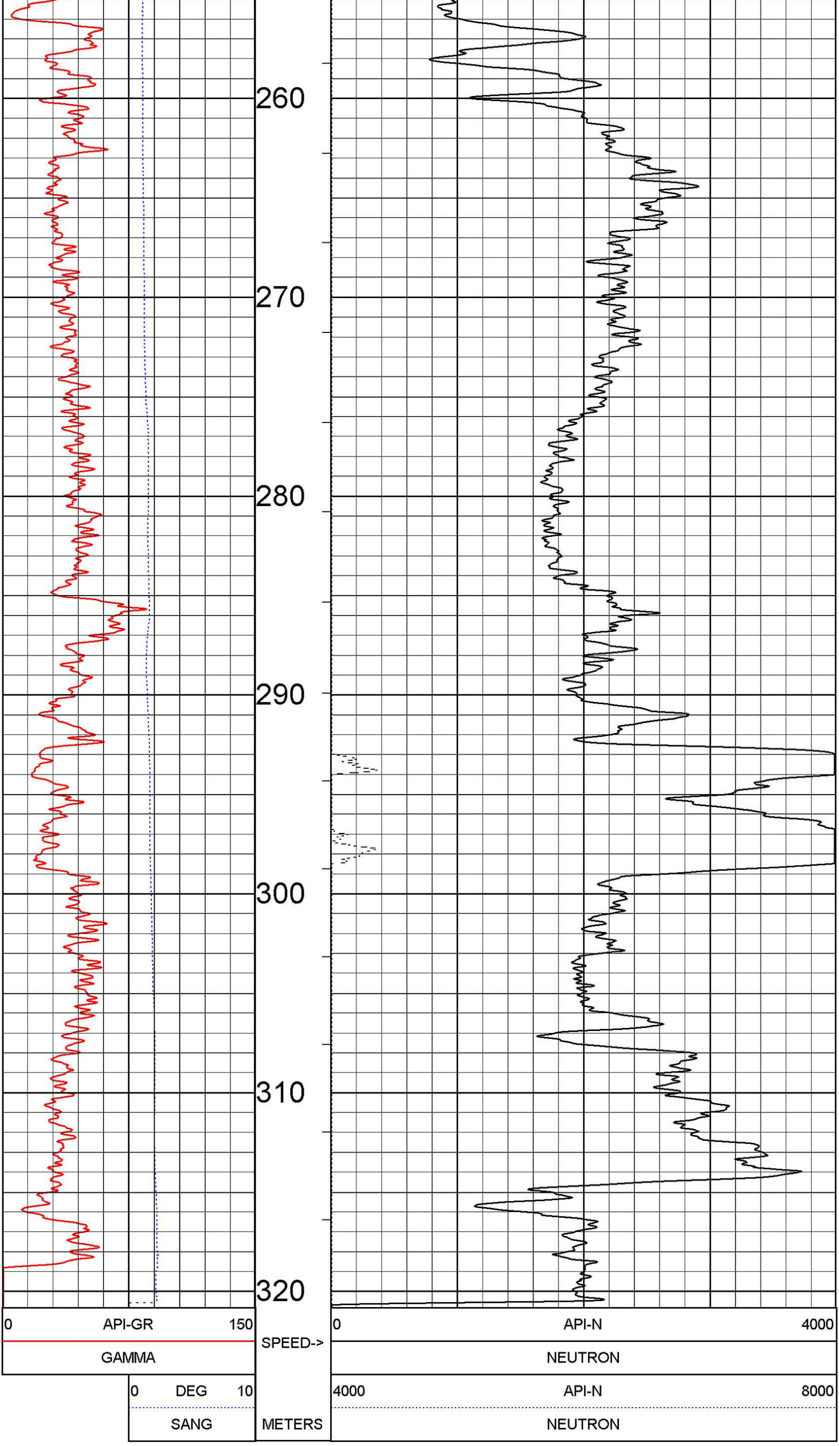
NEUTRON TP 1:200   DHGH-14-35   08/08/14

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.50	ELECT. CUTOFF : 99999	BIT SIZE : 97.00
PRESENTATION NAME/DATE =	Atrum_9058_(IN-PIPE)_(200 scale).0 06/13/2014	VERSION = 3.64LH







NEUTRON TP 1:200 DHGH-14-35 08/08/14

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TOOL CALIBRATION  DHGH-14-35 08/08/14 10:39
TOOL  9057A     TM VERSION 4
SERIAL NUMBER    4430
    DATE       TIME              SENSOR          STANDARD                    RESPONSE
1   Jul30,14   01:48:42          GAMMA      0.100    [API-GR ]          0.000     [CPS]
    Jul30,14   01:48:42          GAMMA    545.000    [API-GR ]        608.000     [CPS]
2   May20,14   15:08:03          NEUTRON    0.000    [API-N  ]          1.000     [CPS]
    May20,14   15:08:03          NEUTRC   271.000    [API-N  ]         58.000     [CPS]
3   Apr30,08   14:54:38          SP         0.000    [MV     ]     325650.000     [CPS]
    Apr30,08   14:54:38          SP        97.000    [MV     ]     277560.000     [CPS]
4   Jul02,07   08:07:18          RES(16N)   0.000    [OHM-M  ]       3892.000     [CPS]
    Jul02,07   08:07:18          RES(16N 1996.000    [OHM-M  ]     421781.000     [CPS]
5   Jul02,07   08:07:23          RES(64N)   0.000    [OHM-M  ]       3324.000     [CPS]
    Jul02,07   08:07:23          RES(64N 1990.000    [OHM-M  ]     426303.000     [CPS]
6   Jul31,13   13:32:13          TEMP      10.000    [DEG_F  ]     343298.000     [CPS]
    Jul31,13   13:32:13          TEMP      71.000    [DEG_F  ]     423631.000     [CPS]
7   Jul02,07   08:07:32          RES        0.000    [OHM    ]       4438.000     [CPS]
    Jul02,07   08:07:32          RES      989.000    [OHM    ]     162986.000     [CPS]
8   Jun26,07   14:31:00          POR(NEU  Default    [CPS]            Default     [CPS]
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