Century WIRELINE SERVICES

GAMMA - CALIPER
THRU PIPE DENSITY
DHGH-14-33

COMPANY :ATRUM COAL
WELL :DHGH-14-33
FIELD :GROUNDHOG
COUNTRY :CANADA
PROVINCE :BRITISH COLUMBIA

OTHER SERVICES:
NEU
DIP

LSD :N/A
SECTION :N/A
TOWNSHIP :N/A
RANGE :N/A
LICENSE NO. :N/A
UNIQUE WELL ID. :N/A

PERMANENT DATUM :GL
LOG MEASURED FROM :GL
DRL MEASURED FROM :GL
ELEVATION KB :N/A
ELEVATION DF :N/A
ELEVATION GL :N/A

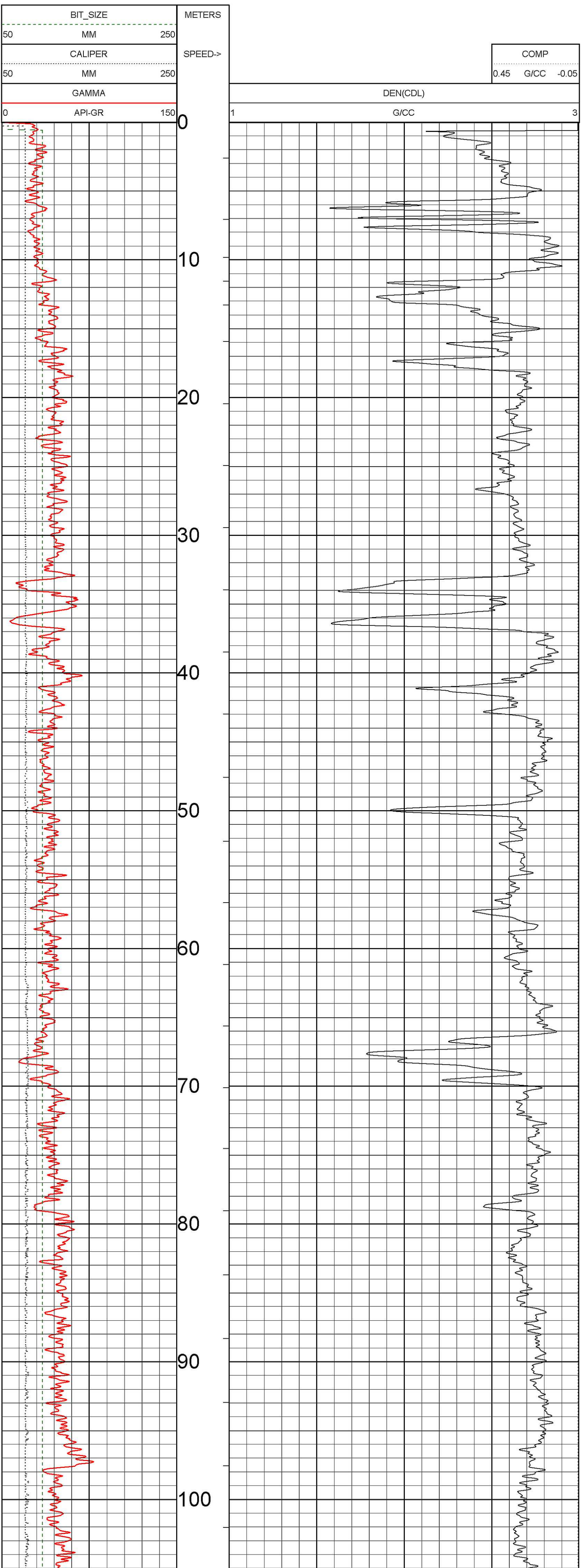
DATE :08/04/14
DRILLER TD :358.31
BIT SIZE :97.00
LOG TOP :0.00
LOG BOTTOM :358.07
LOGGER CASING :12.19
DRILLER CASING :12.19
CASING TYPE :SURFACE
BOREHOLE FLUID :H2O
RM TEMPERATURE :N/A
MUD RES :N/A
MUD WEIGHT :1.01
WITNESSED BY :H.MCKENZIE
RECORDED BY :JSTAPELEBRG
REMARKS 1 :
REMARKS 2 :
RIG NUMBER :1
LOGGER TD :358.31
ARRIVAL TIME :19:20
DEPARTURE TIME :08:00
CIRC STOPPED :03:00

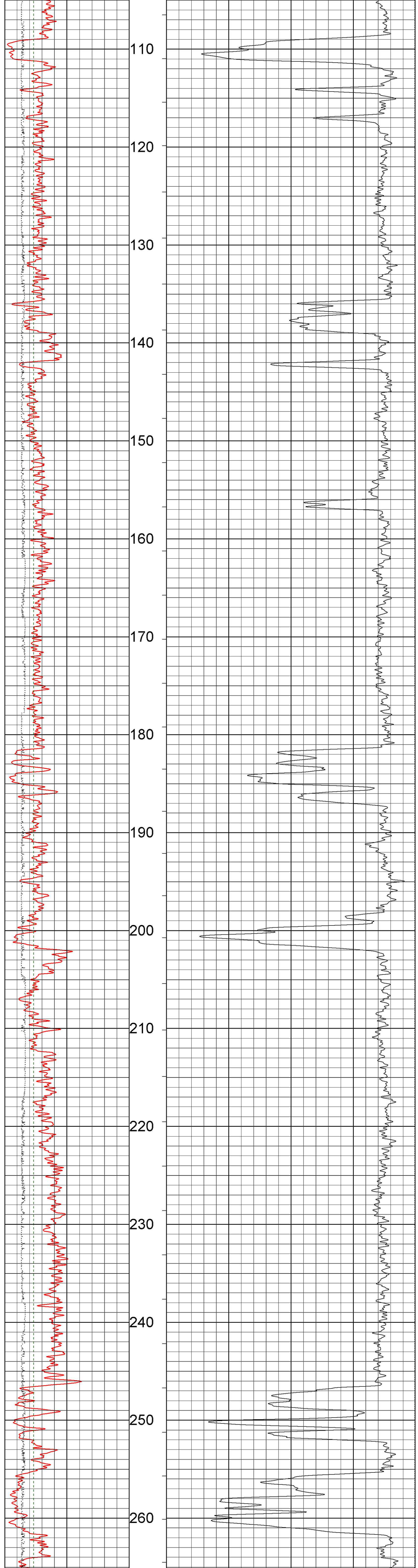
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

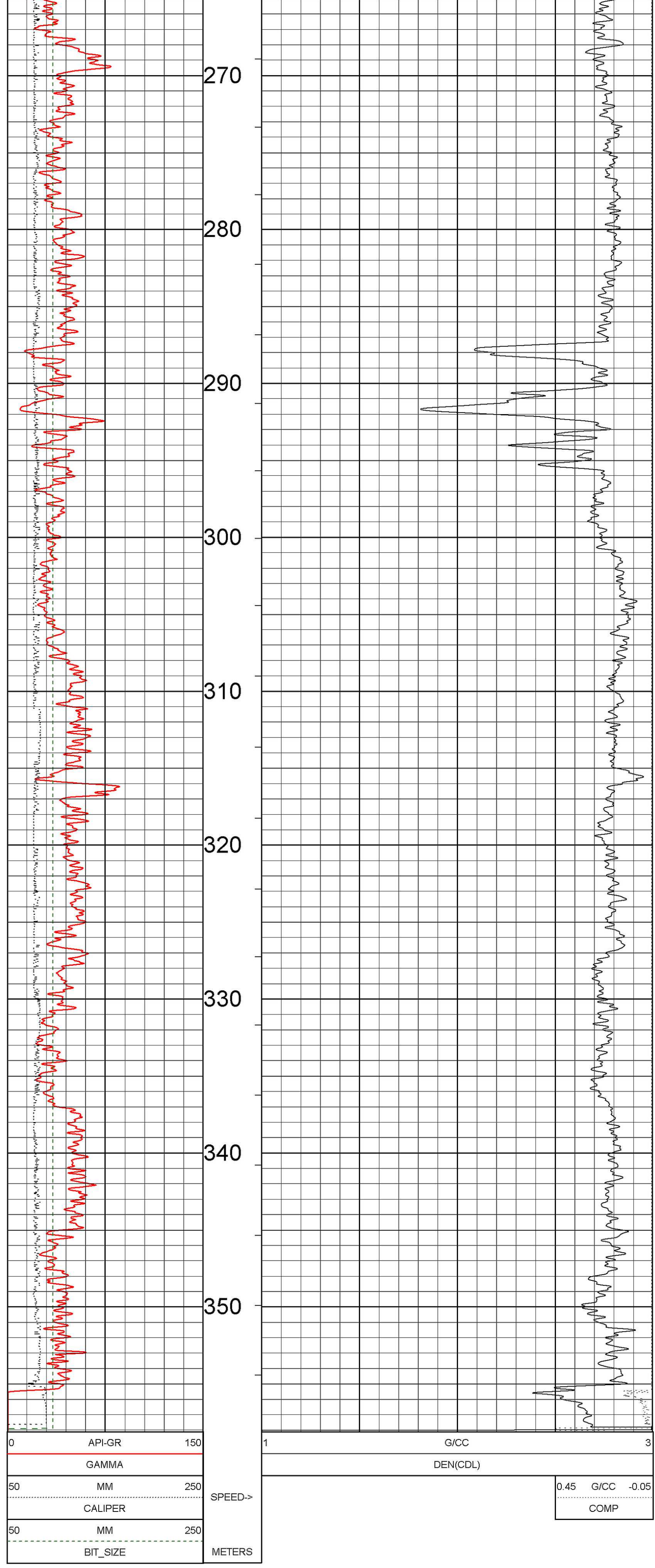
DENSITY TP 1:200 DHGH-14-33 08/04/14

LOG PARAMETERS

MATRIX DENSITY : 2.65
MAGNETIC DECL : 19.50
PRESENTATION NAME/DATE = Atrum_9239_(IN-PIPE)_(200scale).0 06/12/2014
NEUTRON MATRIX : SANDSTONE
ELECT. CUTOFF : 99999
MATRIX DELTA T : 177
BIT SIZE : 97.00
VERSION = 3.64LH







DENSITY TP 1:200 DHGH-14-33 08/04/14

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_9239_(IN-PIPE)_(200scale).0 06/12/2014 VERSION = 3.64LH

TOOL CALIBRATION DHGH-14-33 08/04/14 07:08
TOOL 9239C TM VERSION 2025
SERIAL NUMBER 2477

	DATE	TIME	SENSOR	STANDARD		RESPONSE	
1	Jul30,14	04:15:09	GAMMA	0.100	[API-GR]	0.000	[CPS]
	Jul30,14	04:15:09	GAMMA	545.000	[API-GR]	589.000	[CPS]
2	Jun14,13	09:36:44	VOLTAGE	26.400	[MV]	8050.000	[CPS]
	Jun14,13	09:36:44	VOLTAGE	229.200	[MV]	35258.000	[CPS]
3	Mar21,14	14:07:48	CALIPER	100.000	[MM]	168300.000	[CPS]
	Mar21,14	14:07:48	CALIPER	200.000	[MM]	423180.000	[CPS]
4	Mar21,14	14:58:29	DEN(LS)	1.620	[G/CC]	8686.000	[CPS]
	Mar21,14	14:58:29	DEN(LS)	2.612	[G/CC]	1205.000	[CPS]
5	Mar21,14	14:59:03	DEN(SS)	1.590	[G/CC]	31905.000	[CPS]
	Mar21,14	14:59:03	DEN(SS)	2.580	[G/CC]	14021.000	[CPS]
6	Jun14,13	08:59:07	CALIPERL	Default	[CPS]	Default	[CPS]
	Jun14,13	08:59:07	CALIPERL	Default	[CPS]	Default	[CPS]
7	Mar21,14	14:27:18	CURRENT	26.400	[UA]	6623.000	[CPS]
	Mar21,14	14:27:18	CURRENT	229.200	[UA]	23884.000	[CPS]
8	Jun14,13	08:59:07	F	Default	[CPS]		
9	Jun14,13	08:59:07	X	Default	[CPS]		