Century Wireline Services

GAMMA - CALIPER THRU PIPE DENSITY DHGH-14-16

COMPANY	:ATRUM COAL
WELL	:DHGH-14-16
FIELD	:GROUNDHOG
COUNTRY	:CANADA
PROVINCE	:BRITISH COLUMBIA
LSD	:GROUNDHOG
SECTION	:N/A
TOWNSHIP	:N/A
RANGE	:N/A
LICENSE NO.	:N/A
UNIQUE WELL ID.	:N/A

OTHER SERVICES: SONIC, DIP., NEU


PERMANENT DATUM	:GL	ELEVATION KB	:N/A
LOG MEASURED FROM	:GL	ELEVATION DF	:N/A
DRL MEASURED FROM	:GL	ELEVATION GL	:N/A
DATE	:06/21/14	RIG NUMBER	:2
DEPTH DRILLER	:224.94	LOGGER TD	:223.94
BIT SIZE	:98.40	ARRIVAL TIME	:10:00
LOG TOP	:0.00	DEPARTURE TIME	:
LOG BOTTOM	:223.82	CIRC STOPPED	:N/A
CASING LOGGER	:16.25		
CASING DRILLER	:16.76		
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

DENSITY (THRU PIPE) 1:200 DHGH-14-16 06/21/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.5 ELECT. CUTOFF : 75000 BIT SIZE : 98.40
PRESENTATION NAME/DATE = Atrum_9239_(IN-PIPE)_(200scale).0 06/12/2014 VERSION = 3.64LG


DENSITY (THRU PIPE) 1:200 DHGH-14-16 06/21/14

DENSITY (THRU PIPE) 1:100 DHGH-14-16 06/21/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.5 ELECT. CUTOFF : 75000 BIT SIZE : 98.40
PRESENTATION NAME/DATE = Atrum_9239_(IN-PIPE)_(100scale).0 06/12/2014 VERSION = 3.64LG



DENSITY (THRU PIPE) 1:100 DHGH-14-16 06/21/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.5 ELECT. CUTOFF : 75000 BIT SIZE : 98.40
PRESENTATION NAME/DATE = Atrum_9239_(IN-PIPE)_(100scale).0 06/12/2014 VERSION = 3.64LG

TOOL CALIBRATION DHGH-14-16 06/21/14 11:06
TOOL 9239C TM VERSION 2025
SERIAL NUMBER 2477

	DATE	TIME	SENSOR	STANDARD		RESPONSE	
1	Mar21,14	15:16:58	GAMMA	0.100	[API-GR]	4.000	[CPS]
	Mar21,14	15:16:58	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	Jun21,14	10:45:39	DEN(SS)	1.620	[G/CC]	31905.000	[CPS]
	Jun21,14	10:45:39	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]		