

Company:

Vulcan Minerals Inc.

Well:

Storm #1

Field:

Undefined

Province:

Newfoundland

Location:

St

Province:

Newfoundland

Field:

Undefined

Location:

UTM (NAD 27)

Well:

Storm #1

Company:

Vulcan Minerals Inc.

Platform Express

Density-Neutron Log

LOCATION

UTM (NAD 27)

Northing: 5363895; Easting: 393475

Permanent Datum:

Ground Level

Elev

Log Measured From:

Rig Floor

Elev

Drilling Measured From:

Rig Floor

2.9

API Serial No.

Nd
53

Logging Date		11-Aug-2005		
Run Number		1		
Depth Driller		880.5 m		
Schlumberger Depth		600 m		
Bottom Log Interval		560 m		
Top Log Interval		540 m		
Casing Driller Size @ Depth		177.800 mm @		250 m
Casing Schlumberger		250 m		
Bit Size		156.000 mm		
Type Fluid In Hole		Fresh mud		
Density	Viscosity	1140 kg/m3	35 s	
Fluid Loss	PH			
Source Of Sample		Mud tank		
RM @ Measured Temperature		1.180 ohm.m	@	18 degC
RMF @ Measured Temperature			@	
RMC @ Measured Temperature			@	
Source RMF		RMC		
RM @ MRT	RMF @ MRT	1.313 @ 14		@ 14
Maximum Recorded Temperatures		14 degC		
Circulation Stopped		Time	11-Aug-2005	10:00
Logger On Bottom		Time	11-Aug-2005	17:30
Unit Number		Location	3009 Dartmouth	
Recorded By		Andrea Doyle		
Witnessed By		Karla Smith		

Schlumberger

ephenville

K.B. 97.92 m

G.L. 95 m

D.F. 97.92 m

95 m

m above Perm. Datum

63895	Easting 393475
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[illegible]

DEPTH SUMMARY LISTING

Date Created: 14-AUG-2005 23:03:42

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	7-39P-LXS
Serial Number:	4924	Serial Number:	1109	Serial Number:	2
Calibration Date:	29-Apr-2005	Calibration Date:	09-Aug-2005	Length:	3300.07 M
Calibrator Serial Number:	1	Calibrator Serial Number:	78797	Conveyance Method:	Wireline
Calibration Cable Type:	7-39P-LXS	Calibration Gain:	0.94	Rig Type:	LAND
Wheel Correction 1:	-3	Calibration Offset:	314.00		
Wheel Correction 2:	-3				

Depth Control Parameters

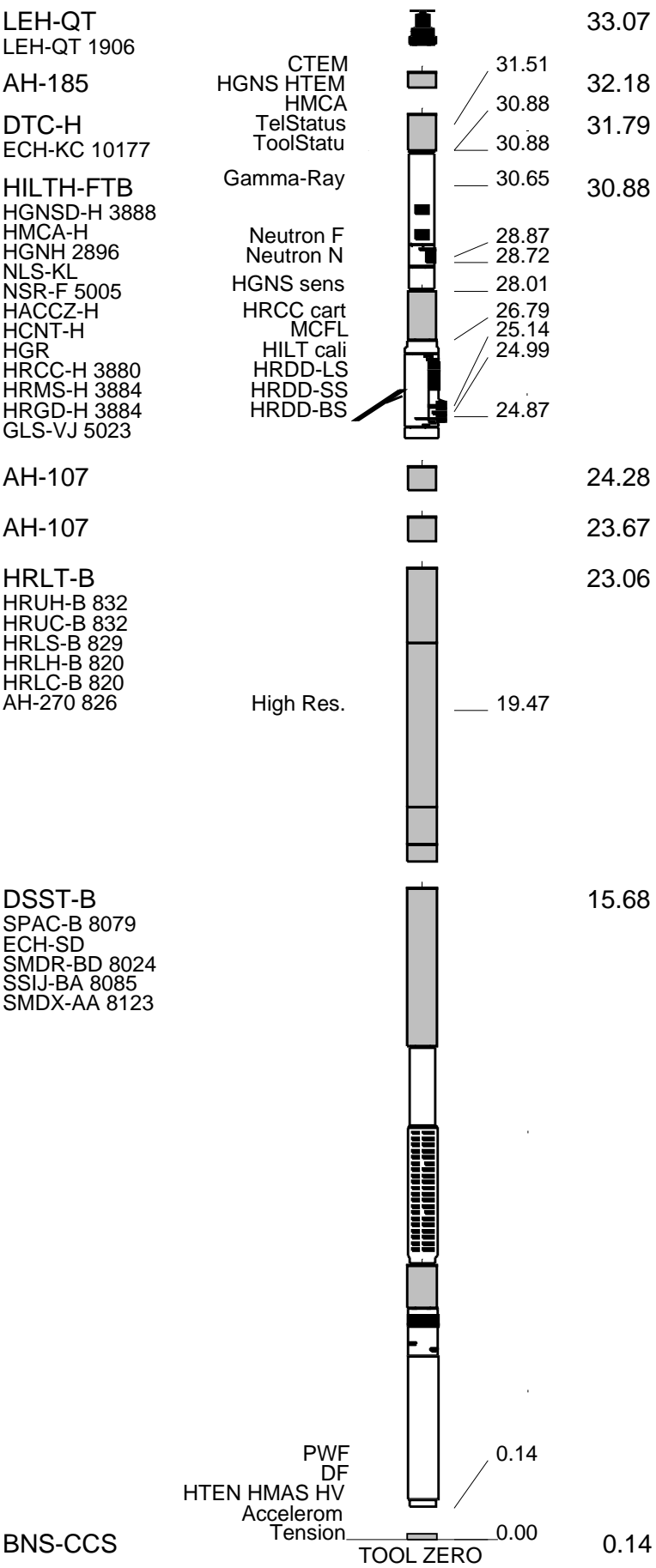
Log Sequence:	First Log In the Well
Rig Up Length At Surface:	0.00 M
Rig Up Length At Bottom:	0.00 M
Rig Up Length Correction:	0.00 M
Stretch Correction:	0.30 M
Tool Zero Check At Surface:	-50000.00 M

1. Primary depth control was a calibrated IDW.
- 2.
- 3.
- 4.
- 5.
- 6.

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

STOP

DOWNHOLE EQUIPMENT



MAXIMUM STRING DIAMETER 117 MM
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Schlumberger

MAIN PASS
1:600

MAXIS Field Log

Company: Vulcan Minerals Inc. Well: Storm #1

Input DLIS Files

DEFAULT MERGE_DSI_HRLA_TLD_025 FN:1 PRODUCER 13-Aug-2005 13:31 596.3 M 538.3 M

Output DLIS Files

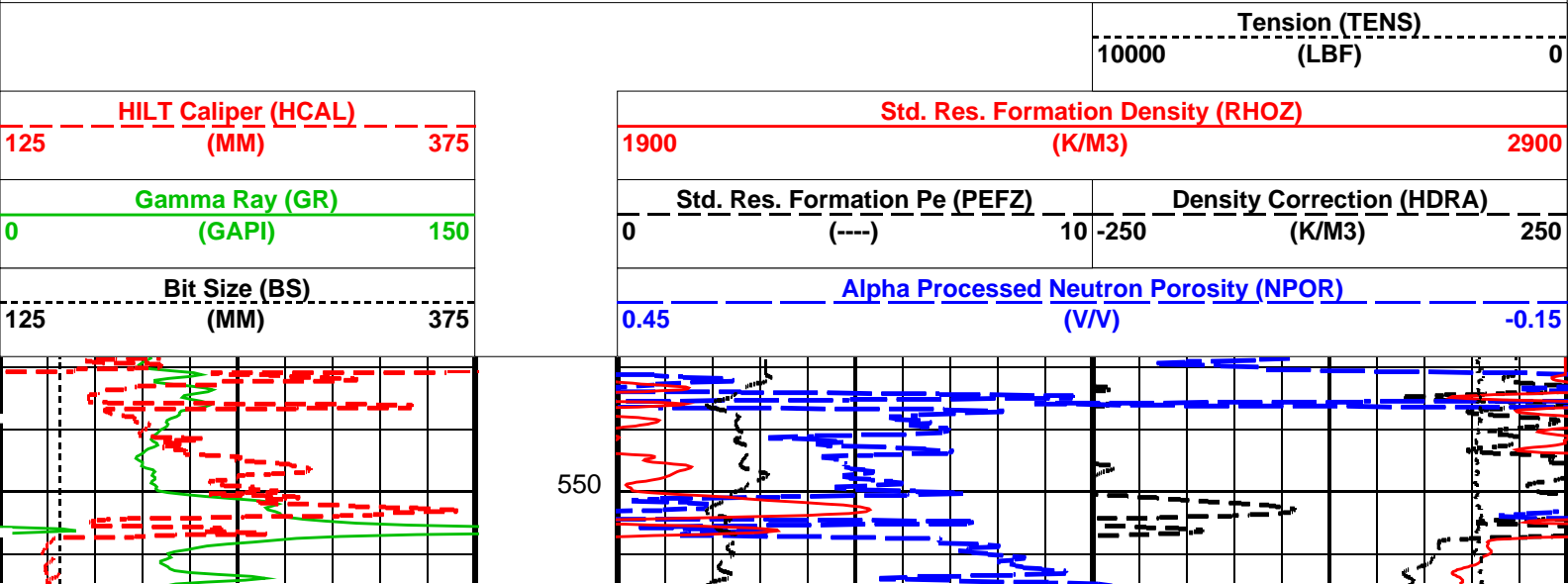
DEFAULT DSI_HRLA_TLD_MCFL_041PUP FN:39 PRODUCER 13-Aug-2005 18:26 596.3 M 539.0 M

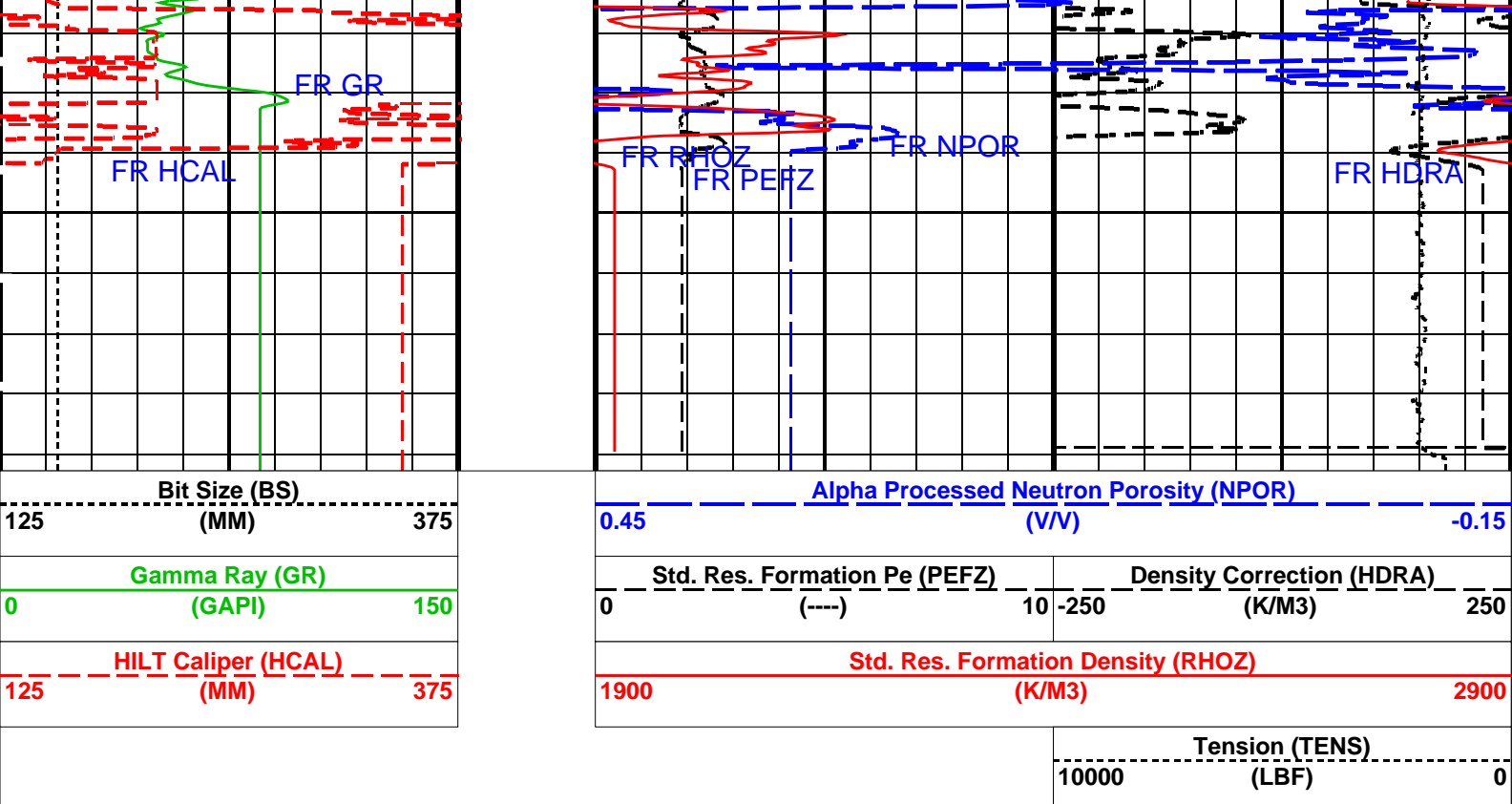
OP System Version: 13C0-300
MCM

DSST-B 13C0-300 HRLT-B 13C0-300
HILTH-FTB SRPC-2788-HILT DTC-H 13C0-300

PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF
HILTH-FTB: High resolution Integrated Logging Tool-DTS			
BHFL	Borehole Fluid Type	WATER	
BHFL_TLD	HILT Nuclear Mud Base	WATER	
BHS	Borehole Status	OPEN	
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MWCO	Mud Weight Correction Option	NO	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	StdRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	NO	


BSAL	Bit Size	-50000.00	PPM
CSIZ	Borehole Salinity	177.800	MM
CWEI	Current Casing Size	25.35	KG/M
DFD	Casing Weight	1140.00	K/M3
DO	Drilling Fluid Density	0.0	M
MST	Depth Offset for Playback	18.00	DEGC
PP	Mud Sample Temperature	RECOMPUTE	
RMFS	Playback Processing	-50000.0000	OHMM
TDL	Resistivity of Mud Filtrate Sample	600.00	M
	Total Depth - Logger		

Format: SANDSTONE_600

Vertical Scale: 1:600

Graphics File Created: 13-Aug-2005 18:26

OP System Version: 13C0-300					
MCM					
DSST-B	13C0-300	HRLT-B	13C0-300		
HILTH-FTB	SRPC-2788-HILT	DTC-H	13C0-300		
Input DLIS Files					
DEFAULT	MERGE_DSI_HRLA_TLD_025	FN:1	PRODUCER	13-Aug-2005 13:31	596.3 M 538.3 M
Output DLIS Files					
DEFAULT	DSI_HRLA_TLD_MCFL_041PUP	FN:39	PRODUCER	13-Aug-2005 18:26	



MAIN PASS

1:240

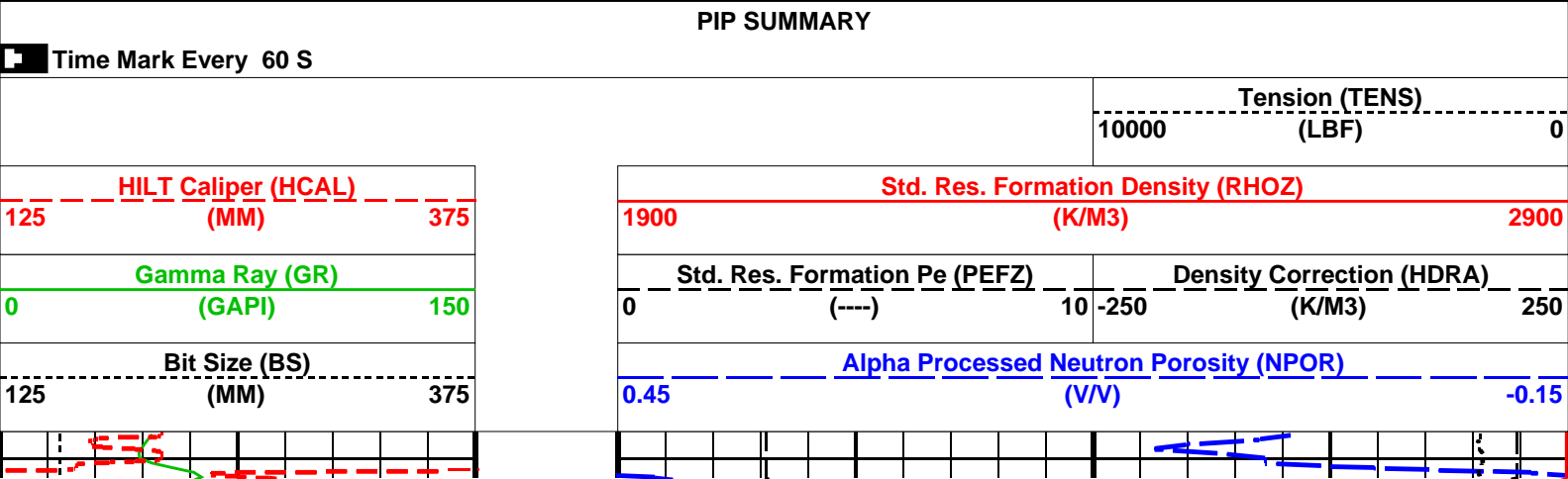
MAXIS Field Log

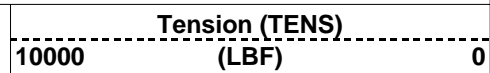
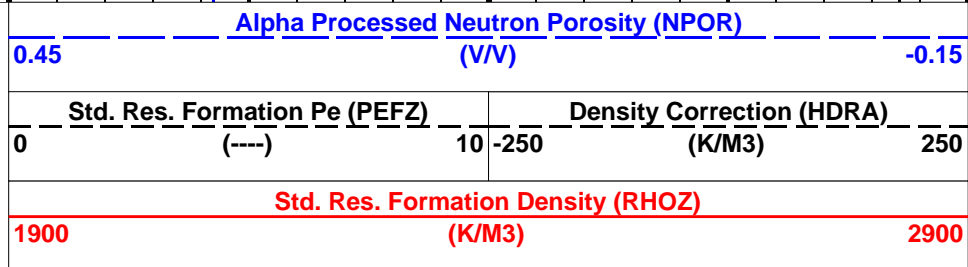
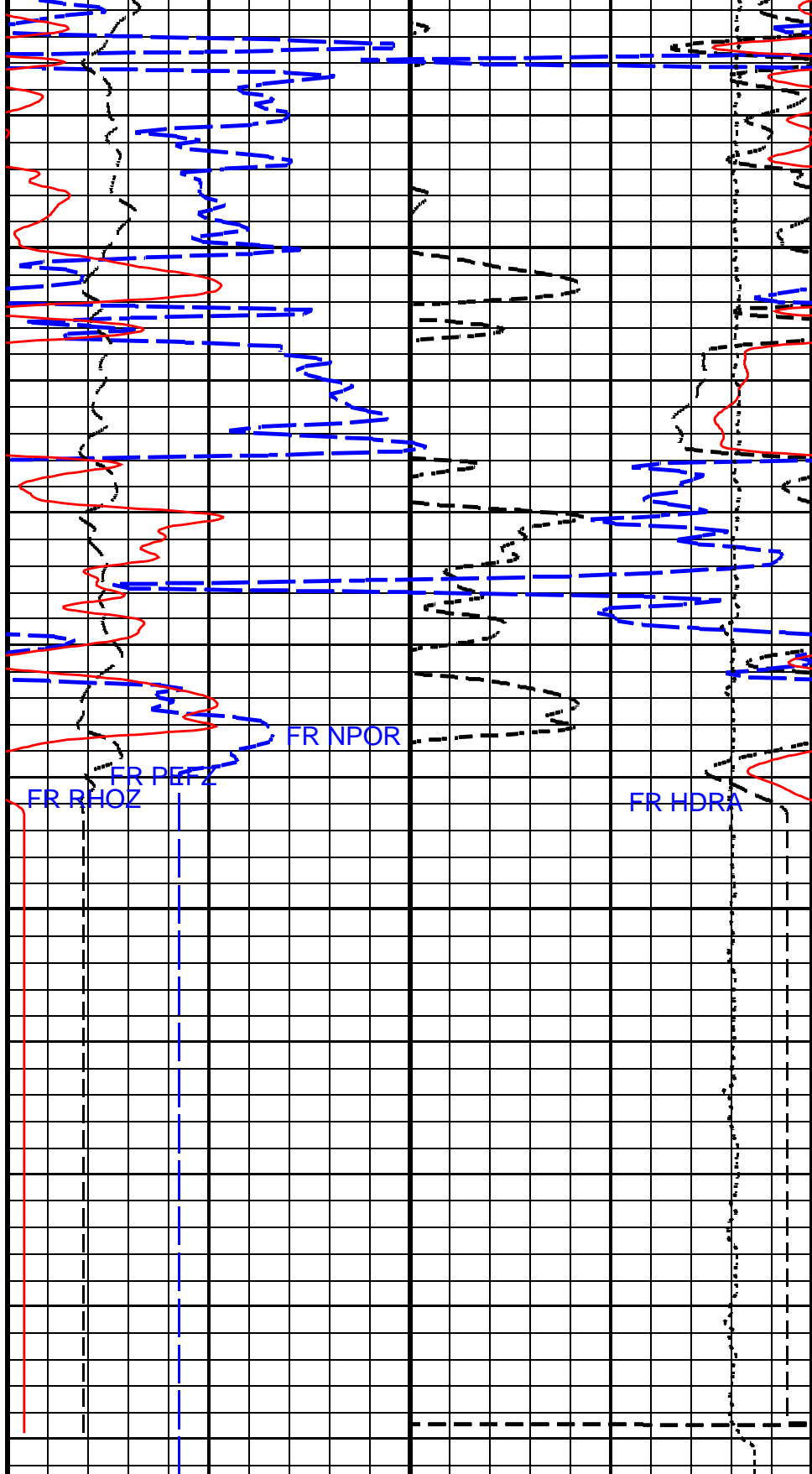
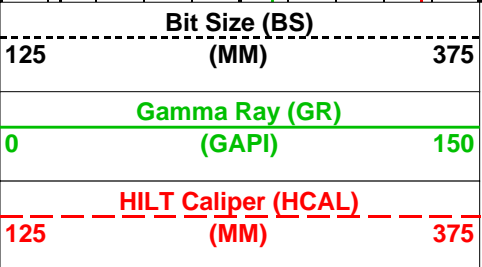
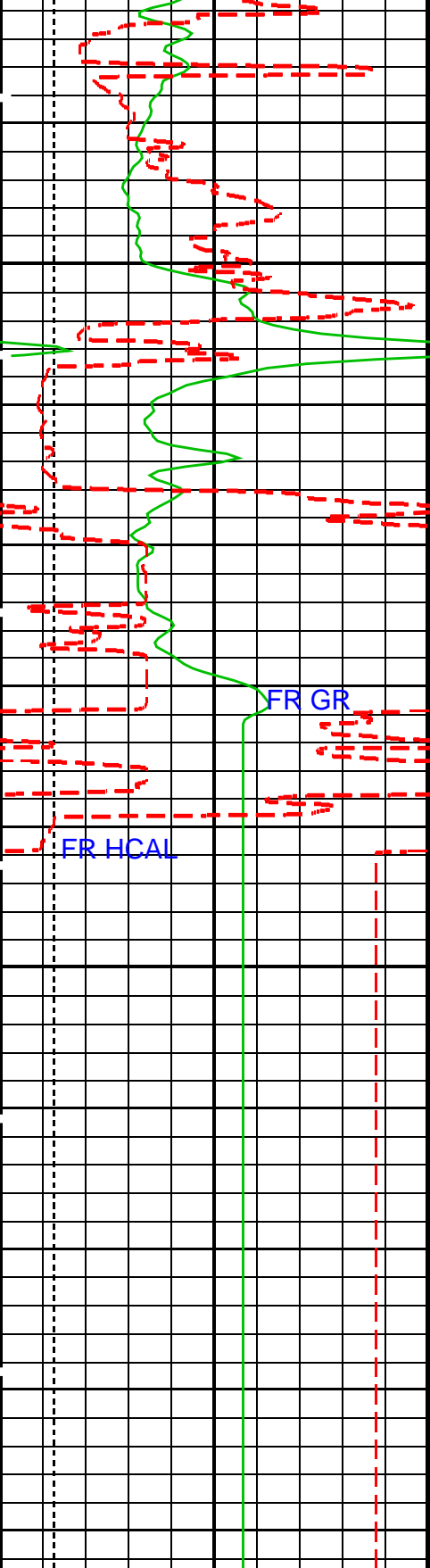
Company: Vulcan Minerals Inc.

Well: Storm #1

Input DLIS Files					
DEFAULT	MERGE_DSI_HRLA_TLD_025	FN:1	PRODUCER	13-Aug-2005 13:31	596.3 M 538.3 M
Output DLIS Files					
DEFAULT	DSI_HRLA_TLD_MCFL_041PUP	FN:39	PRODUCER	13-Aug-2005 18:26	596.3 M 539.0 M

OP System Version: 13C0-300					
MCM					
DSST-B	13C0-300	HRLT-B	13C0-300		
HILTH-FTB	SRPC-2788-HILT	DTC-H	13C0-300		





Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF
HILTH-FTB: High resolution Integrated Logging Tool-DTS			
BHFL	Borehole Fluid Type	WATER	
BHFL_TLD	HILT Nuclear Mud Base	WATER	
BHS	Borehole Status	OPEN	
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MWCO	Mud Weight Correction Option	NO	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	StdRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	NO	
System and Miscellaneous			
BS	Bit Size	156.000	MM
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	177.800	MM
CWEI	Casing Weight	25.35	KG/M
DFD	Drilling Fluid Density	1140.00	K/M3
DO	Depth Offset for Playback	0.0	M
MST	Mud Sample Temperature	18.00	DEGC
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
TDL	Total Depth - Logger	600.00	M

Format: SANDSTONE POROSITY Vertical Scale: 1:240

Graphics File Created: 13-Aug-2005 18:26

OP System Version: 13C0-300

MCM

DSST-B	13C0-300	HRLT-B	13C0-300
HILTH-FTB	SRPC-2788-HILT	DTC-H	13C0-300

Input DLIS Files

DEFAULT	MERGE_DSI_HRLA_TLD_025	FN:1	PRODUCER	13-Aug-2005 13:31	596.3 M	538.3 M
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Output DLIS Files

DEFAULT	DSI_HRLA_TLD_MCFL_041PUP	FN:39	PRODUCER	13-Aug-2005 18:26
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MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
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High Resolution Laterolog Array - B Wellsite Calibration - HRLT M01

Before: 11-Aug-2005 16:33

HRLT M0-M1 Voltage Plus - 0	0	N/A	-316.6	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 1	0	N/A	-314.3	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 2	0	N/A	-319.5	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 3	0	N/A	-327.8	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 4	0	N/A	-321.5	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 5	0	N/A	-321.9	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 6	0	N/A	332.0	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 7	0	N/A	-322.7	N/A	N/A	9.681	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M12

Before: 11-Aug-2005 16:33

HRLT M1-M2 Voltage Plus - 0	0	N/A	1721	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 1	0	N/A	1696	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 2	0	N/A	1724	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 3	0	N/A	1773	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 4	0	N/A	1744	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 5	0	N/A	1748	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 6	0	N/A	-1799	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 7	0	N/A	1781	N/A	N/A	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M23

Before: 11-Aug-2005 16:33

HRLT M2-M3 Voltage Plus - 0	0	N/A	1713	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 1	0	N/A	1701	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 2	0	N/A	1730	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 3	0	N/A	1782	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 4	0	N/A	1746	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 5	0	N/A	1751	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1793	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 7	0	N/A	1781	N/A	N/A	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V34

Before: 11-Aug-2005 16:33

HRLT A3-A4 Voltage Plus - 0	0	N/A	67690	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 1	0	N/A	67230	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 2	0	N/A	68580	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 3	0	N/A	70820	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 4	0	N/A	69330	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 5	0	N/A	69530	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 6	0	N/A	-69850	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V45

Before: 11-Aug-2005 16:33

HRLT A4-A5 Voltage Plus - 0	0	N/A	67780	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 1	0	N/A	67270	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 2	0	N/A	68640	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	70880	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	69410	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	69620	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-69890	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V56

Before: 11-Aug-2005 16:33

HRLT A5-A6 Voltage Plus - 0	0	N/A	67580	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	67100	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	68460	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	70710	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	69230	N/A	N/A	2100	UV

HRLT A5-A6 Voltage Plus - 5	0	N/A	69440	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-69710	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VTP

Before: 11-Aug-2005 16:33

HRLT Torpedo-M0 Voltage - 0	0	N/A	-67520	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-67600	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-68910	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71170	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69630	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69830	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	70190	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD

Before: 11-Aug-2005 16:33

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-67530	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-67570	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-68900	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71160	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69630	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69830	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	70170	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT ISO

Before: 11-Aug-2005 16:33

HRLT Source Current Plus - 0	0	N/A	282.0	N/A	N/A	8.520	UA
HRLT Source Current Plus - 1	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 2	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 3	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 4	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 5	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 6	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 7	0	N/A	281.1	N/A	N/A	8.520	UA

High Resolution Laterolog Array - B Wellsite Calibration - HRLT MV

Before: 11-Aug-2005 16:33

HRLT Vertical Voltage PI - 0	0	N/A	-319.3	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-308.0	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-312.8	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-319.8	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-311.3	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	-326.8	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 6	0	N/A	338.8	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 7	0	N/A	-322.7	N/A	N/A	9.681	UV

High resolution Integrated Logging Tool-DTS Wellsite Calibration - Stab Measurement Summary

Before: 10-Aug-2005 0:38

BS Window Ratio	0.7346	N/A	0.7358	N/A	N/A	N/A	
BS Window Sum	27380	N/A	27400	N/A	N/A	N/A	CPS
SS Window Ratio	0.4855	N/A	0.4876	N/A	N/A	N/A	
SS Window Sum	12690	N/A	12670	N/A	N/A	N/A	CPS
LS Window Ratio	0.3002	N/A	0.2969	N/A	N/A	N/A	
LS Window Sum	1536	N/A	1527	N/A	N/A	N/A	CPS

High resolution Integrated Logging Tool-DTS Wellsite Calibration - Photo-multiplier High Voltages Calibrations

Before: 10-Aug-2005 0:38

BS PM High Voltage (Command)	1544	N/A	1576	N/A	N/A	N/A	V
SS PM High Voltage (Command)	1502	N/A	1542	N/A	N/A	N/A	V
LS PM High Voltage (Command)	1393	N/A	1420	N/A	N/A	N/A	V

High resolution Integrated Logging Tool-DTS Wellsite Calibration - Crystal Quality Resolutions Calibration

Before: 10-Aug-2005 0:38

BS Crystal Resolution	10.81	N/A	10.80	N/A	N/A	N/A	%
SS Crystal Resolution	8.183	N/A	8.387	N/A	N/A	N/A	%
LS Crystal Resolution	8.219	N/A	8.083	N/A	N/A	N/A	%

High resolution Integrated Logging Tool-DTS Wellsite Calibration - MCFL Calibration

Before: 10-Aug-2005 0:34

Raw B0 Resistivity	3875	N/A	3890	N/A	N/A	N/A	OHMM
Raw B1 Resistivity	3830	N/A	3721	N/A	N/A	N/A	OHMM
Raw B2 Resistivity	3830	N/A	3828	N/A	N/A	N/A	OHMM

High resolution Integrated Logging Tool-DTS Wellsite Calibration - HILT Caliper Calibration








Before: 10-Aug-2005 0:37

HILT Caliper Zero Measurement	203.2	N/A	187.8	N/A	N/A	N/A	MM
HILT Caliper Plus Measurement	304.8	N/A	292.5	N/A	N/A	N/A	MM









High resolution Integrated Logging Tool-DTS Wellsite Calibration - Detector Calibration









Before: 10-Aug-2005 0:35							
Gamma Ray Background	30.00	N/A	46.51	N/A	N/A	N/A	GAPI
Gamma Ray (Jig - Bkg)	177.3	N/A	177.3	N/A	N/A	16.12	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Zero Measurement							
Master: 8-Jun-2005 17:49 Before: 10-Aug-2005 0:43							
CNTC Background	29.00	29.00	28.72	N/A	N/A	4.350	CPS
CFTC Background	31.22	31.22	33.99	N/A	N/A	4.683	CPS
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Ratio Measurement							
Master: 8-Jun-2005 17:49							
Thermal Near Corr. (Tank)	6031	5042	N/A	N/A	N/A	N/A	CPS
Thermal Far Corr. (Tank)	2793	2179	N/A	N/A	N/A	N/A	CPS
CNTC/CFTC (Tank)	2.159	2.314	N/A	N/A	N/A	N/A	
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Accelerometer Calibration							
Before: 11-Aug-2005 16:05							
Z-Axis Acceleration	9.810	N/A	9.787	N/A	N/A	N/A	M/S2
High resolution Integrated Logging Tool-DTS Master Calibration - Inversion results							
Master: 10-Aug-2005 0:23							
Rho Aluminum	2596	2592	--	--	--	--	K/M3
Rho Magnesium	1686	1692	--	--	--	--	K/M3
Pe Aluminum	2.570	2.525	--	--	--	--	
Pe Magnesium	2.650	2.619	--	--	--	--	
High resolution Integrated Logging Tool-DTS Master Calibration - Deviation Summary							
Master: 10-Aug-2005 0:23							
BS Average Deviation	0	0.3050	--	--	--	--	%
BS Max Deviation	0	0.8187	--	--	--	--	%
SS Average Deviation	0	0.5156	--	--	--	--	%
SS Max Deviation	0	1.667	--	--	--	--	%
LS Average Deviation	0	1.262	--	--	--	--	%
LS Max Deviation	0	2.263	--	--	--	--	%
The GLS-VJ source activity is acceptable.							
The HGNS Neutron Master Calibration was done with the following parameters :							
NCT-B Water Temperature	18.5	DEGC.					
Thermal Housing Size	85.725	MM.					
NSR-F serial number	5005						









High Resolution Laterolog Array - B / Equipment Identification		
Primary Equipment:		
HRLT Sonde	HRLS - B	829
Auxiliary Equipment:		
HRLT lower Housing	HRLH - B	820
HRLT Lower Cartridge	HRLC - B	820
HRLT upper Housing	HRUH - B	832
HRLT Upper Cartridge	HRUC - B	832



High Resolution Laterolog Array - B Wellsite Calibration						
HRLT M01						
Idx	Phase	HRLT M0-M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-316.6	-322.7	-280.7	-379.7
1	Before		-314.3	-322.7	-280.7	-379.7
2	Before		-319.5	-322.7	-280.7	-379.7
3	Before		-327.8	-322.7	-280.7	-379.7
4	Before		-321.5	-322.7	-280.7	-379.7
5	Before		-321.9	-322.7	-280.7	-379.7
6	Before		332.0	322.7	379.7	280.7
7	Before		332.7	322.7	379.7	279.7







Before						
	(Minimum)	(Nominal)	(Maximum)			
Before: 11-Aug-2005 16:33						

High Resolution Laterolog Array - B Wellsite Calibration						
HRLT M12						
Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1721	1781	2095	1549
1	Before		1696	1781	2095	1549
2	Before		1724	1781	2095	1549
3	Before		1773	1781	2095	1549
4	Before		1744	1781	2095	1549
5	Before		1748	1781	2095	1549
6	Before		-1799	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
		(Minimum) (Nominal) (Maximum)				
Before: 11-Aug-2005 16:33						









High Resolution Laterolog Array - B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2-M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1713	1781	2095	1549
1	Before		1701	1781	2095	1549
2	Before		1730	1781	2095	1549
3	Before		1782	1781	2095	1549
4	Before		1746	1781	2095	1549
5	Before		1751	1781	2095	1549
6	Before		-1793	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
		(Minimum) (Nominal) (Maximum)				
Before: 11-Aug-2005 16:33						

High Resolution Laterolog Array - B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3-A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		67690	70000	82360	60900
1	Before		67230	70000	82360	60900
2	Before		68580	70000	82360	60900
3	Before		70820	70000	82360	60900
4	Before		69330	70000	82360	60900
5	Before		69530	70000	82360	60900
6	Before		-69850	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
		(Minimum) (Nominal) (Maximum)				
Before: 11-Aug-2005 16:33						









High Resolution Laterolog Array - B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4-A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		67780	70000	82360	60900
1	Before		67270	70000	82360	60900

2	Before		68640	70000	82360	60900
3	Before		70880	70000	82360	60900
4	Before		69410	70000	82360	60900
5	Before		69620	70000	82360	60900
6	Before		-69890	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						









Before: 11-Aug-2005 16:33

High Resolution Laterolog Array - B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5-A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		67580	70000	82360	60900
1	Before		67100	70000	82360	60900
2	Before		68460	70000	82360	60900
3	Before		70710	70000	82360	60900
4	Before		69230	70000	82360	60900
5	Before		69440	70000	82360	60900
6	Before		-69710	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						

Before: 11-Aug-2005 16:33

High Resolution Laterolog Array - B Wellsite Calibration						
HRLT VTP						
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-67520	-70000	-60900	-82360
1	Before		-67600	-70000	-60900	-82360
2	Before		-68910	-70000	-60900	-82360
3	Before		-71170	-70000	-60900	-82360
4	Before		-69630	-70000	-60900	-82360
5	Before		-69830	-70000	-60900	-82360
6	Before		70190	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360
(Minimum) (Nominal) (Maximum)						

Before: 11-Aug-2005 16:33

High Resolution Laterolog Array - B Wellsite Calibration						
HRLT VBD						
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-67530	-70000	-60900	-82360
1	Before		-67570	-70000	-60900	-82360
2	Before		-68900	-70000	-60900	-82360
3	Before		-71160	-70000	-60900	-82360
4	Before		-69630	-70000	-60900	-82360
5	Before		-69830	-70000	-60900	-82360
6	Before		70170	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360

High Resolution Laterolog Array - B Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before	<div></div>	282.0	284.0	334.1	247.0
1	Before	<div></div>	281.1	281.1	330.7	244.4
2	Before	<div></div>	281.1	281.1	330.7	244.4
3	Before	<div></div>	281.1	281.1	330.7	244.4
4	Before	<div></div>	281.1	281.1	330.7	244.4
5	Before	<div></div>	281.1	281.1	330.7	244.4
6	Before	<div></div>	281.1	281.1	330.7	244.4
7	Before	<div></div>	281.1	281.1	330.7	244.4
			(Minimum)	(Nominal)	(Maximum)	

Before: 11-Aug-2005 16:33

High Resolution Laterolog Array - B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before	<div></div>	-319.3	-322.7	-280.7	-379.7
1	Before	<div></div>	-308.0	-322.7	-280.7	-379.7
2	Before	<div></div>	-312.8	-322.7	-280.7	-379.7
3	Before	<div></div>	-319.8	-322.7	-280.7	-379.7
4	Before	<div></div>	-311.3	-322.7	-280.7	-379.7
5	Before	<div></div>	-326.8	-322.7	-280.7	-379.7
6	Before	<div></div>	338.8	322.7	379.7	280.7
7	Before	<div></div>	-322.7	-322.7	-280.7	-379.7
			(Minimum)	(Nominal)	(Maximum)	

Before: 11-Aug-2005 16:33

High resolution Integrated Logging Tool-DTS / Equipment Identification			
Primary Equipment:			
HILT high-Resolution Mechanical Sonde	HRMS - H	3884	
HILT Rxo Gamma-ray Device	HRGD - H	3884	
HILT Micro Cylindrically Focused Log Dev	MCFL - H		
GR Logging Source	GLS - VJ	5023	
HILT High Res. Control Cartridge	HRCC - H	3880	
HILT Gamma-Ray Neutron Sonde-DTS	HGNS - H	3888	
HILT Gamma-Ray Device	HGR -		
HILT Neutron Detector with Alpha Source	HCNT - H		
Auxiliary Equipment:			
Neutron Calibration Tank	NCT - B		
Gamma Source Radioactive	GSR - U/Y		

High resolution Integrated Logging Tool-DTS Wellsite Calibration																	
Stab Measurement Summary																	
Phase	BS Window Ratio			Value	Phase	SS Window Ratio			Value	Phase	LS Window Ratio			Value			
Before	<div></div>			0.7358	Before	<div></div>			0.4876	Before	<div></div>			0.2969			
0.6979 (Minimum)				0.7346 (Nominal)	0.7713 (Maximum)		0.4612 (Minimum)			0.4855 (Nominal)	0.5097 (Maximum)		0.2852 (Minimum)		0.3002 (Nominal)	0.3152 (Maximum)	
Phase	BS Window Sum CPS			Value	Phase	SS Window Sum CPS			Value	Phase	LS Window Sum CPS			Value			
Before	<div></div>			27400	Before	<div></div>			12670	Before	<div></div>			1527			
26010 (Minimum)				27380 (Nominal)	28750 (Maximum)		12050 (Minimum)			12690 (Nominal)	13320 (Maximum)		1459 (Minimum)		1536 (Nominal)	1612 (Maximum)	

Before: 10-Aug-2005 0:38

High resolution Integrated Logging Tool-DTS Wellsite Calibration														
Photo-multiplier High Voltages Calibrations														
Phase	BS PM High Voltage (Command) V			Value	Phase	SS PM High Voltage (Command) V			Value	Phase	LS PM High Voltage (Command) V			Value
Before				1576	Before				1542	Before				1420
	1444 (Minimum)	1544 (Nominal)	1644 (Maximum)		1402 (Minimum)	1502 (Nominal)	1602 (Maximum)		1293 (Minimum)	1393 (Nominal)	1493 (Maximum)			
Before: 10-Aug-2005 0:38														

High resolution Integrated Logging Tool-DTS Wellsite Calibration														
Crystal Quality Resolutions Calibration														
Phase	BS Crystal Resolution %			Value	Phase	SS Crystal Resolution %			Value	Phase	LS Crystal Resolution %			Value
Before	<div><div></div></div>			10.80	Before	<div><div></div></div>			8.387	Before	<div><div></div></div>			8.083
	9.806 (Minimum)	10.81 (Nominal)	11.81 (Maximum)		7.183 (Minimum)	8.183 (Nominal)	9.183 (Maximum)		7.219 (Minimum)	8.219 (Nominal)	9.219 (Maximum)			
Before: 10-Aug-2005 0:38														


High resolution Integrated Logging Tool-DTS Wellsite Calibration														
MCFL Calibration														
Phase	Raw B0 Resistivity OHMM			Value	Phase	Raw B1 Resistivity OHMM			Value	Phase	Raw B2 Resistivity OHMM			Value
Before				3890	Before				3721	Before				3828
	3565 (Minimum)	3875 (Nominal)	4185 (Maximum)		3524 (Minimum)	3830 (Nominal)	4136 (Maximum)		3524 (Minimum)	3830 (Nominal)	4136 (Maximum)			
Before: 10-Aug-2005 0:34														

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
HILT Caliper Calibration									
Phase	HILT Caliper Zero Measurement MM			Value	Phase	HILT Caliper Plus Measurement MM			Value
Before				187.8	Before				292.5
	152.4 (Minimum)	203.2 (Nominal)	254.0 (Maximum)			228.6 (Minimum)	304.8 (Nominal)	381.0 (Maximum)	
Before: 10-Aug-2005 0:37									

High resolution Integrated Logging Tool-DTS Wellsite Calibration											
Detector Calibration											
Phase	Gamma Ray Background GAPI		Value	Phase	Gamma Ray (Jig - Bkg) GAPI		Value	Phase	Gamma Ray (Calibrated) GAPI		Value
Before			46.51	Before			177.3	Before			165.0
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		161.2 (Minimum)	177.3 (Nominal)	193.4 (Maximum)		150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)
Before: 10-Aug-2005 0:35											

High resolution Integrated Logging Tool-DTS Wellsite Calibration										
Zero Measurement										
Phase	CNTC Background CPS			Value	Phase	CFTC Background CPS			Value	
Master				29.00	Master				31.22	
Before				28.72	Before				33.99	
5.000 (Minimum)				29.00 (Nominal)	5.000 (Minimum)				31.22 (Nominal)	40.00 (Maximum)
Master: 8-Jun-2005 17:49					Before: 10-Aug-2005 0:43					

High resolution Integrated Logging Tool-DTS Wellsite Calibration														
Ratio Measurement														
Phase	Thermal Near Corr. (Tank) CPS			Value	Phase	Thermal Far Corr. (Tank) CPS			Value	Phase	CNTC/CFTC (Tank)			Value
Master				5042	Master				2179	Master				2.314
	5000 (Minimum)	6031 (Nominal)	7200 (Maximum)		2075 (Minimum)	2793 (Nominal)	3125 (Maximum)		2.120 (Minimum)	2.159 (Nominal)	2.540 (Maximum)			
Master: 8-Jun-2005 17:49														

High resolution Integrated Logging Tool-DTS Wellsite Calibration			
Accelerometer Calibration			
Phase	Z-Axis Acceleration M/S2	Value	
Before		9.787	
	9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)

9.810 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 11-Aug-2005 16:05		

High resolution Integrated Logging Tool-DTS Master Calibration									
Inversion results									
Phase	Rho Aluminum K/M3			Value	Phase	Rho Magnesium K/M3			Value
Master	<div></div>			2592	Master	<div></div>			1692
	2586 (Minimum)	2596 (Nominal)	2606 (Maximum)			1676 (Minimum)	1686 (Nominal)	1696 (Maximum)	
Phase	Pe Aluminum			Value	Phase	Pe Magnesium			Value
Master	<div></div>			2.525	Master	<div></div>			2.619
	2.470 (Minimum)	2.570 (Nominal)	2.670 (Maximum)			2.550 (Minimum)	2.650 (Nominal)	2.750 (Maximum)	
Master: 10-Aug-2005 0:23									

High resolution Integrated Logging Tool-DTS Master Calibration														
Deviation Summary														
Phase	BS Average Deviation %			Value	Phase	SS Average Deviation %			Value	Phase	LS Average Deviation %			Value
Master	<div><div></div></div>			0.3050	Master	<div><div></div></div>			0.5156	Master	<div><div></div></div>			1.262
-0.6000 0 0.6000 (Minimum) (Nominal) (Maximum)					-1.000 0 1.000 (Minimum) (Nominal) (Maximum)					-1.500 0 1.500 (Minimum) (Nominal) (Maximum)				
Phase	BS Max Deviation %			Value	Phase	SS Max Deviation %			Value	Phase	LS Max Deviation %			Value
Master	<div><div></div></div>			0.8187	Master	<div><div></div></div>			1.667	Master	<div><div></div></div>			2.263
-1.600 0 1.600 (Minimum) (Nominal) (Maximum)					-2.500 0 2.500 (Minimum) (Nominal) (Maximum)					-3.500 0 3.500 (Minimum) (Nominal) (Maximum)				
Master: 10-Aug-2005 0:23														

High resolution Integrated Logging Tool-DTS Master Calibration									
Zero Measurement									
Phase	CNTC Background CPS			Value	Phase	CFTC Background CPS			Value
Master	<div><div></div></div>			29.00	Master	<div><div></div></div>			31.22
	5.000 (Minimum)	29.00 (Nominal)	40.00 (Maximum)			5.000 (Minimum)	31.22 (Nominal)	40.00 (Maximum)	
Master: 8-Jun-2005 17:49									

High resolution Integrated Logging Tool-DTS Master Calibration													
Tank Measurement													
Phase	Thermal Near Corr. (Tank) CPS			Value	Phase	Thermal Far Corr. (Tank) CPS			Value	Phase	CNTC/CFTC (Tank)		Value
Master				5042	Master				2179	Master			2.314
5000 6031 7200					2075 2793 3125					2.120 2.159 2.540			
(Minimum) (Nominal) (Maximum)					(Minimum) (Nominal) (Maximum)					(Minimum) (Nominal) (Maximum)			
Master: 8-Jun-2005 17:49													

Company: **Vulcan Minerals Inc.**

Schlumberger

Well: **Storm #1**

Field: **Undefined**

Province: **Newfoundland**

Location: **Stephenville**

Platform Express
Density-Neutron Log