This data is the property of Halliburton Energy Services, Inc. and is delivered subject to the terms and conditions of the agreement under which it was provided. Halliburton makes no warranty as to the accuracy or suitability for use of this data for any purpose and assumes no responsibility for any reliance on it or decisions made or actions taken based on it.

Well Number: 15/9-F-14 T2
Field: Gyda
Country: Norway
Rig Name: Maersk Giant
Rig Type: Jack-up
Rig Contractor: Maersk Drilling
Rig Elevation (RT-MSL): 22.0m
Water Depth (MSL): 70.0m
Log Measured From: RT
Permanent Datum: MSL
Drilling Measured From: RT

Logging Date: 30-Jun-2008
Run Number: 1
Depth Driller: 3,100.0m
Schlumberger Depth: 3,100.0m
Bottom Log Interval: 3,100.0m
Top Log Interval: 2,800.0m
Casing Driller Size @ Depth: 9 5/8" @ 2,800.0m
Casing Schlumberger: 2,800.0m
Bit Size: 8.5in

Density Type: Compensated
Viscosity: 0.0s
Mud Density: 1.0g/cm3
Resistivity: 0.0ohm.m @ 0.0degF
Filtrate Resistivity: 0.0ohm.m @ 0.0degF
Mud Cake Resistivity: 0.0ohm.m @ 0.0degF
Source of Sample: Flowline
Rm @ Measured Temperature: 0.0ohm.m @ 0.0degF
Rmf @ Measured Temperature: 0.0ohm.m @ 0.0degF
Rmc @ Measured Temperature: 0.0ohm.m @ 0.0degF
Source of Rmf/Rmc: Calculated
Rm @ BHT: 0.0ohm.m @ 0.0degF
Maximum Recorded Temperature: 0.0degF
Circulation Stopped: 30-Jun-2008 00:00
Logger On Bottom: 30-Jun-2008 00:00
Unit Number: 1
Recorded By: Jones
Witnessed By: Rogers

"Tension Tool, HOW, HOWDAS, HALLIBURTON ENERGY SERVICES"

MAIN PASS
27 HZ

HALLIBURTON

Halliburton Energy Services
Halliburton Company
Houston, Texas, USA

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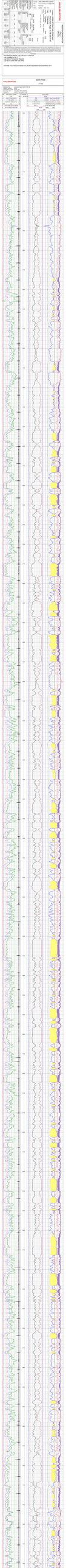
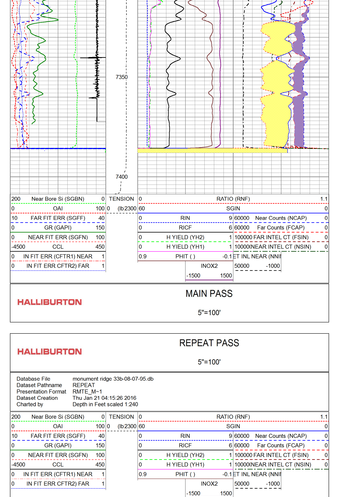
MAIN PASS
27 HZ





HALLIBURTON

MAIN PASS

5"=100'

HALLIBURTON

REPEAT PASS

5"=100'

Database File monument ridge 33b-08-07-95.db
Dataset Pathname REPEAT
Presentation Format RMTE_M-1
Dataset Creation Thu Jan 21 04:15:26 2016
Charted by Depth in Feet scaled 1:240

HALLIBURTON

REPEAT PASS

5"=100'

Calibration Report

Database File monument ridge 33b-08-07-95.db
Dataset Pathname MAIN
Dataset Creation Thu Jan 21 04:44:13 2016

Cement Bond Log Shop Calibration Report

Serial-Model: 11834648-A

Calibration Performed: Thu Jan 21 04:01:09 2016

Free Pipe Calibration

	TT	Amplitude	Log Base Line
Measured	246.0	605.4	20.1
Units	usec	mV	mV

Calibration References and Gain

Name	Value	Units
Pipe O.D.	4.500	in
Pipe Weight	11.6	lb/ft
Pipe Ref. Amp.	81.2	mV
Amp. Gain	0.129	

Reservoir Monitor Tool I Calibration Report

Serial-Model: 12270693-A

Shop Calibration Performed: Sun Jan 10 18:03:51 2016

Carbon/Oxygen Mode

Stabilization

Result	Logged	Expected Value	Diff.	Tol.	Units
GENV	92.00	80.00	12.00	+/-15.00	V
ITCR2	3435	3250	185	+/-250	cps

Near Detector

	Channel	Expected Value	Amplitude	FWHM	Tol.
H	60	60 +/-2	0.0268	5.37	<6.00
Fe	207	206 +/-2	0.6948	-----	-----
NGAIN = 0.996	NZOFF = 0.3				

Far Detector

	Channel	Expected Value	Amplitude	FWHM	Tol.
H	60	60 +/-2	0.0341	6.02	<6.50
Fe	209	208 +/-2	0.6916	-----	-----
FGAIN = 0.991	FZOFF = 0.6				

Flask Temperature 55.3 degF

Result	Logged	Expected Value	Diff.	Tol.	Units
COIR2	0.45	0.45	-0.00	+/-0.02	
LIR2	1.37	1.36	0.01	+/-0.05	
TCCR2	5506	5000	506	+/-1000	cps
ITCR2	3432	3200	232	+/-250	cps

Sigma Mode

Stabilization

Result	Logged	Expected Value	Diff.	Tol.	Units
GENV	91.00	80.00	11.00	+/-15.00	V
FCAP	10099	10000	99	+/-500	cps

Horizontal Water Tank

Result	Logged	Expected Value	Diff.	Tol.	Units
N/F Normalizer	1.01	0.95	0.06		
N/F Inel Norm	0.65	0.61	0.04		
RNF	0.99	1.07	-0.08	+/-0.12	
RINC	1.54	1.64	-0.10	+/-0.16	
SGFN	24.11	24.00	0.11	+/-0.50	cu
SGFF	22.94	22.85	0.09	+/-0.50	cu
FSIN	23744	24000	-256	+/-2000	cps
FCAP	10025	10000	25	+/-1000	cps
NFTR	0.81			<5.00	
FFTR	0.89			<5.00	
NBKG	214			<500	cps
FBKG	198			<500	cps
RTN	0.40	0.40	-0.00	+/-0.10	usec
RTF	0.41	0.40	0.01	+/-0.10	usec

Calibration Software Modules

HRMTI Module	2015.5.4.0
RMTI Module	2015.5.15.1

Log Data Acquisition Software Modules

HRMTI Module	2015.5.4.0
RMTI Module	2015.5.15.1

Gamma Ray Calibration Report

Type / Serial: 002 / 11159411

SHOP CALIBRATION Tue Dec 15 21:01:01 2015

	Counts/Sec	Gain	Offset	Jig	Units
Background	28.7				cps
Calibrator	323.0				cps
		1.3864			GAPI/cps

PRIMARY VERIFICATION

Background	40.3				cps
Calibrator	454.6				cps
Difference				414.4	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			STNDCH-STND_CH 1.4375 IN CABLE HEAD	1.50	1.44	1.00
			TTTCU-002 (11159411) Through Tubing Telemetry Cartridge - Ultrawire	7.65	1.69	30.00
			XHU-003 (11983708) Crossover Halliburton 1053 to Ultrawire	1.58	1.69	7.00
			RMTI-A (12270693) Halliburton RMTI Tool	14.00	2.13	77.00
			X-OVER-GoxSondex Go Rcv x Sondex Pin CrossOver	0.27	1.69	1.00
			CENT-CASTM-CENT CAST M INLINE CENTRALIZER	2.16	3.13	25.00
			HCBLM-A (11836468) Halliburton HCBLM Tool	9.38	2.75	116.00
			CENT-CASTM-CENT CAST M INLINE CENTRALIZER	2.16	3.13	25.00
			ALH-001 (11072111) Adaptor Ultrawire/Halliburton	0.38	1.69	3.00
			BUL-001 (000001) Bullnose	0.30	1.69	1.50

Dataset: monument ridge 33b-08-07-95.db: field/wellrun1/MAIN
Total length: 39.39 ft
Total weight: 286.50 lb
O.D.: 3.13 in

Company	URSA OPERATING COMPANY
Well	Monument Ridge B 33B-08-07-95
Field	Parachute
County	Garfield
State	CO

HALLIBURTON

RESERVOIR MONITOR
TOOL I
GR-CCL