Mnemonic: ENDM, FINAL WELL SURVEY

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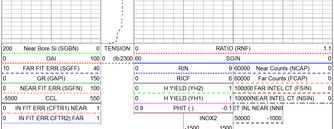


HALLIBURTON

MAIN PASS

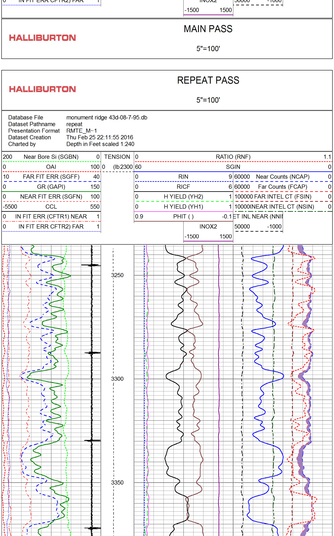
5"=100'

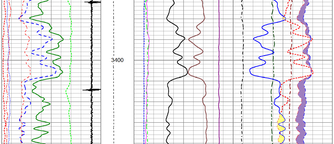
HALLIBURTON

REPEAT PASS

5"=100'

Database File monument ridge 43d-08-7-95.db
Dataset Pathname repeat
Presentation Format RMTE_M-1
Dataset Creation Thu Feb 25 22:11:55 2016
Charted by: Depth in Feet scaled 1:240





HALLIBURTON

REPEAT PASS

5"=100'

Calibration Report

Database File monument ridge 43d-08-7-95.db
Dataset Pathname main
Dataset Creation Thu Feb 25 22:42:33 2016

Cement Bond Log Shop Calibration Report

Serial-Model: 11836468-A

Calibration Performed: Thu Feb 25 21:51:45 2016

Free Pipe Calibration

	Measured	Units
TT	245.0	usec
Amplitude	628.4	mV
Log Base Line	19.3	mV

Calibration References and Gain

	Value	Units
Name		
Pipe O.D	4.500	in
Pipe Weight	11.6	lb/ft
Pipe Ref. Amp.	81.2	mV
Amp. Gain	0.130	

Reservoir Monitor Tool I Calibration Report

Serial-Model: 12270693-A

Shop Calibration Performed: Fri Feb 12 14:31:42 2016

Carbon/Oxygen Mode

Stabilization

Result	Logged	Expected Value	Diff.	Tol.	Units
GENV	93.00	80.00	13.00	+/-15.00	V
ITCR2	3235	3250	-15	+/-250	cps

Near Detector

	Channel	Expected Value	Amplitude	FWHM	Tol.
H	60	60 +/-2	0.0267	5.38	+6.00
Fe	206	206 +/-2	0.0959	-----	-----
NGAIN = 0.997	NZOFF = 0.2				

Far Detector

	Channel	Expected Value	Amplitude	FWHM	Tol.
H	60	60 +/-2	0.0342	6.01	+6.50
Fe	209	208 +/-2	0.0911	-----	-----
FGAIN = 0.991	FZOFF = 0.6				

Flask Temperature 55.3 degF

Result	Logged	Expected Value	Diff.	Tol.	Units
COR2	0.45	0.45	-0.00	+/-0.02	
LRR2	1.36	1.35	0.00	+/-0.05	
TCCR2	5189	5000	189	+/-1000	cps
ITCR2	3213	3200	13	+/-250	cps

Sigma Mode

Stabilization

Result	Logged	Expected Value	Diff.	Tol.	Units
GENV	93.00	80.00	13.00	+/-15.00	V
FCAP	9709	10000	-291	+/-500	cps

Horizontal Water Tank

Result	Logged	Expected Value	Diff.	Tol.	Units
NR Normalizer	1.00	0.95	0.05		
NF Inel Norm	0.65	0.61	0.04		
RNF	1.00	1.01	-0.01	+/-0.12	
SIGN	24.10	24.04	0.06	+/-0.18	
SIGFN	24.10	24.00	0.10	+/-0.50	cu
SGFF	22.94	22.85	0.09	+/-0.50	cu
FSIN	27109	24000	691	+/-2000	cps
FCAP	9760	10000	-240	+/-1000	cps
NFTR	0.80			<5.00	
FFTR	0.87			<5.00	
NBKG	180			<500	cps
FBKG	96			<500	cps
RTN	0.39	0.40	-0.01	+/-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 / 11527445

SHOP CALIBRATION Fri Feb 12 13:43:57 2016

	Counts/Sec.	Gain	Offset	Jig	Units
Background	24.6				cps
Calibrator	314.1				cps
		1.4958			GAPI/cps

PRIMARY VERIFICATION

Background	36.1			cps
Calibrator	466.2			cps
Difference			430.1	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
CCL	35.82					
			TTTCU-002 (11527445) Through Tubing Telemetry Cartridge - Ultrawire	7.65	1.69	30.00
GR	33.56					
			XHU-003 (11983708) Crossover Halliburton 1553 to Ultrawire	1.58	1.69	7.00
RmtTFGT	22.91					
RmtTNGT	22.41					
			RMTI-A (12270693) Halliburton RMTI Tool	14.00	2.13	77.00
RmtFPSV	14.66		X-OVER-GunSondes Gn Box x Sondes PR Crossover	0.27	1.69	1.00
RmtNFwdMotP	14.66					
RmtCommFlw	14.66		CENT-CASTM-CENT CAST M INLINE CENTRALIZER	2.16	3.13	25.00
Temp	9.57					
TT3FT	7.32		HCBLM-A (11836468) Halliburton HCBLM Tool	9.38	2.75	116.00
AMP3FT	7.32					
WVF3FT	6.36					
			CENT-CASTM-CENT CAST M INLINE CENTRALIZER	2.16	3.13	25.00
WVF3FT	2.84		AUH-001 (11072111) Adapter Ultrawire/Halliburton	0.38	1.69	3.00
LLMTEN	0.00		BUL-001 (000001) Bullnose	0.30	1.69	1.50

Dataset: monument ridge 43d-08-7-95.db: field/well/run1/main
Total length: 39.39 ft
Total weight: 286.50 lb
O.D.: 3.13 in

Company	URSA OPERATING COMPANY
Well	Monument Ridge B 43D-08-07-95
Field	Parachute
County	Garfield
State	CO

HALLIBURTON

RESERVOIR MONITOR LOG
GR-CCL