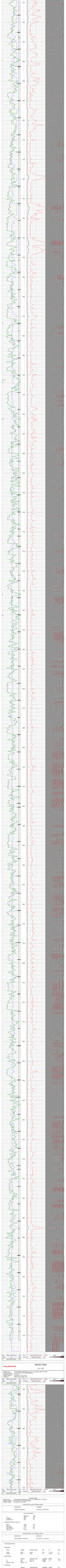
Gamma Ray (GR) (API)
Caliper (CALI) (in)
Bit Size (BS) (in)
Deep Resistivity (RDEP) (ohm.m)
Medium Resistivity (RMED) (ohm.m)
Shallow Resistivity (RSHA) (ohm.m)
Density Correction (DRHO) (g/cm3)
Neutron Porosity (NPHI) (dec)
Photoelectric Factor (PEF) (b/e)
Bulk Density (RHOB) (g/cm3)
Delta-T (DT) (us/ft)
Delta-T Shear (DTS) (us/ft)
Compressional Slowness (DTC) (us/ft)
Shear Slowness (DTS) (us/ft)
Mud Weight (MW) (ppg)
Mud Resistivity (RM) (ohm.m)
Mud Filtrate Resistivity (RMF) (ohm.m)
Mud Cake Resistivity (RMC) (ohm.m)
Mud Temperature (MT) (degF)
Mud Filtrate Temperature (MFT) (degF)
Mud Cake Temperature (MCT) (degF)
Mud Type (MTYP)
Mud Salinity (MSAL) (ppm)
Mud Chlorides (MCL) (ppm)
Mud Calcium (MCA) (ppm)
Mud Sodium (MNA) (ppm)
Mud Potassium (MK) (ppm)
Mud Sulfates (MSO4) (ppm)
Mud Hardness (MH) (ppm)
Mud Viscosity (MV) (sec/qt)
Mud Yield Point (MYP) (lbf/100ft2)
Mud Plastic Viscosity (MPV) (cP)
Mud Gel Strength (MGS) (lbf/100ft2)
Mud Solids (MSOL) (dec)
Mud Oil (MOIL) (dec)
Mud Water (MWAT) (dec)
Mud Sand (MSAND) (dec)
Mud Lime (MLIME) (dec)
Mud Gas (MGAS) (dec)
Mud Oil Base (MOBM)
Mud Water Base (MWBM)
Mud Gas Base (MGBM)
Mud Oil Base Mud (MOBM)
Mud Water Base Mud (MWBM)
Mud Gas Base Mud



| | | |

H	60	60 +/-2	0.0342	5.95	<6.50
Fe	210	208 +/-2	0.0906	-----	-----
FGAIN = 0.989	FZOFF = 0.6				

Flask Temperature 63.9 degF

Result	Logged	Expected Value	Diff.	Tol.	Units
COIR2	0.45	0.45	-0.00	+/-0.02	
LIRI2	1.37	1.36	0.00	+/-0.05	
TCCR2	5423	5000	423	+/-1000	cps
ITCR2	3288	3200	88	+/-250	cps

Sigma Mode

Stabilization

Result	Logged	Expected Value	Diff.	Tol.	Units
GENV	88.00	80.00	8.00	+/-15.00	V
FCAP	9842	10000	-158	+/-500	cps

Horizontal Water Tank

Result	Logged	Expected Value	Diff.	Tol.	Units
N/F Normalizer	0.99	0.95	0.04		
N/F Inel Norm	0.64	0.61	0.03		
RNF	1.01	1.07	-0.06	+/-0.12	
RINC	1.56	1.64	-0.08	+/-0.18	
SGFN	24.06	24.00	0.06	+/-0.50	cu
SGFF	22.89	22.85	0.04	+/-0.50	cu
FSIN	23868	24000	-132	+/-2000	cps
FCAP	10056	10000	56	+/-1000	cps
NFTR	0.82			<5.00	
FFTR	0.84			<5.00	
NBKG	215			<500	cps
FBKG	100			<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 Tue Jul 28 11:11:16 2015

	Counts/Sec.	Gain	Offset	Jig	Units
Background	36.6				cps
Calibrator	183.8				cps
		1.6514			GAPI/cps

PRIMARY VERIFICATION

Background	61.0				cps
Calibrator	301.3				cps
Difference				240.3	GAPI

BEFORE SURVEY VERIFICATION

Background	60.0				cps
Calibrator	300.9				cps
Difference				240.9	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	35.55					
GR	33.29		TTTCU-002 (11527445) Through Tubing Telemetry Cartridge - Ultrawire	7.65	1.69	100.00
			XHU-003 (000001) Crossover Halliburton 1553 to Ultrawire	1.58	1.69	7.00
RmtTFGT	22.64					
RmtTNGT	22.14		RMTI-A (12270693) Halliburton RMTI Tool	14.00	2.13	77.00
RmtFP5V	14.39					
RmtNFwvMcsPl	14.39					
RmtCommFWa	14.39		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					
WVF5FT	6.36					
			CENT-CASTM-CENT CAST M INLINE CENTRALIZER	2.16	3.13	25.00
WVF3FT	2.84					
			AUH-001 (000001) Adaptor Ultrawire/Halliburton	0.38	1.69	3.00
			BUL-001 (000001) Bullnose	0.30	1.69	1.50
LLMTEN	0.00					

Dataset:	yater 12a-17-07-95.db: GF/YATER12A-17-07-95/run1/MAIN
Total length:	39.12 ft
Total weight:	355.50 lb
O.D.:	3.13 in

Company	URSA Operating Company LLC
Well	YATER 12A-17-07-95
Field	PARACHUTE
County	GARFIELD
State	CO

HALLIBURTON

CEMENT BOND LOG