



## Verification Listing

Listing Created: 28-JAN-2002 23:27:27

Version: 9C1-304

**Input Source:** D:\users\ideal\fm\Clients\ESSO\WTN-W48\FinalClientDeliverables\WTN-W48A\_Ge  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

**Max Record Length:** 16384  
**Storage Unit Sequence:** 1

### File Header File: RAB .068 Sequence: 68

#### Defining Origin: 41

File ID: RAB .068 File Type: LWD\_  
Producer Name: Schlumberger Product/Version: DisBrowser ID6\_1C\_10 File Set: 41 File Number: 53 28-JAN-2002 23:11:00  
Company Name: ESSO Australia Ltd.  
Well Name: WTN-W48  
Field Name: Tuna  
Tool String: RAB6-CA, MWD\_10-A, ADN-CA  
Computations: CDR, EMAG, ARC\_BHC, ARC\_ECD, VPWD

### Error Summary File: RAB .068 Sequence: 68

No errors detected in file.

### Well Site Data File: RAB .068 Sequence: 68

#### Origin: 41

##### Well Data

Company Name	ESSO Australia Ltd.	CN
Well Name	WTN-W48	WN
Field Name	Tuna	FN
COUNTY:	NABORS 453	CLAB, COUN
STATE:	Victoria	SLAB, STAT
SECTION	64.6	LLAB, SECT
Longitude	E 148.39	LONG
Latitude	S 38.19	LATI
Elevation of Kelly Bushing	34.7 (m)	EKB
Elevation of Ground Level	-61.0 (m)	EGL
Elevation of Derrick Floor	34.7 (m)	EDF
Permanent Datum	GROUND LEVEL	PDAT
Log Measured From	Rotary Table	LMF

Absent Valued Parameters: CN1, NATI, CONT, FL, FL1, FL2, TOWN, RANG, APIN, SON, MHD, EPD, APD, DMF

##### Job Data

Run Number	1	RUN
Current Casing Size	0.0 (in)	CSIZ
Casing Weight	0.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Begin Log Date	19-Jan-2002	DLAB
Logging Unit Number	924	LUN
Engineer's Name	T.Sims	ENGI
Witness's Name	T.Ford	WITN

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, TLAB, LUL, SON

##### Mud Data

Begin Log Date	19-Jan-2002	DLAB
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Absent Valued Parameters: DFT, DFD, DFV, DFL, DFP, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, TLAB

##### PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

##### Cement Data

Cement Job Type	Primary	CJT
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

##### Other Services

## Parameters

File: RAB .068 Sequence: 68

## Origin: 41

## RAB6-CA: 6.75-in. Resistivity At-the-Bi

Mnemonic	Long Name	Value (Units)
BDBHCA	RAB: Button Deep Borehole A Factor	0.00487
BDBHCB	RAB: Button Deep Borehole B Factor	0.0
BHA_COEF_VER	RAB: BHA Coef Generator Version	62012.0
BHT_RM	Bottom Hole Temperature (RM)	74.5 (degC)
BITBHCA	RAB: Bit A Borehole Factor	0.0578
BITBHCB	RAB: Bit B Borehole Factor	0.0
BIT_K_FACTOR	RAB: Bit K Factor	17.2
BMBHCA	RAB: Button Medium Borehole A Factor	0.0238
BMBHCB	RAB: Button Medium Borehole B Factor	0.0
BSAL_RM	Mud Salinity (RM)	57.7 (ppk)
BSBHCA	RAB: Button Shallow Borehole A Factor	0.0241
BSBHCB	RAB: Button Shallow Borehole B Factor	0.0
BS_RM	Bit Size (RM)	8.50 (in)
BUT_KIMP_A	RAB: Button Impedance Coeff A	0.0
BUT_KIMP_B	RAB: Button Impedance Coeff B	0.0
COEF_M	User Defined FEXP in Clean Sand	1.65
C_WS	Overpressure correction to Sw and M	1.00
DBUTTON_K_FAC	RAB: Button Deep K factor	0.00457
DHS_VERSION	RAB: DownHole Software Version	6.10
DIPR	magnetic dip	-68.7 (deg)
FEXP	Formation Factor Exponent(RM)	2.00
FNUM	Formation Factor Enumerator(RM)	1.00
FPHI_RM	Formation Factor Porosity Source (RM)	XPLOT
GRDC	Grid corr angle	-0.860 (deg)
GR_BHC_TOOLSIZ	RAB: Gamma-Ray Borehole Coeff 1	6.75
IMAGE_MAX_GR	RAB: GR Image Maximum Scale Value	120.0 (gAPI)
IMAGE_MAX_RES	RAB: Image Maximum Resistivity Value	100.0 (ohm.m)
IMAGE_MIN_GR	RAB: GR Image Minimum Scale Value	20.0 (gAPI)
IMAGE_MIN_RES	RAB: Image Minimum Resistivity Value	1.00 (ohm.m)
JSD_RAB	RAB Acquisition start date	19-JAN-2002 16:20:22.0
MAG_DECL_RAB	RAB: Magnetic Declination	13.2 (deg)
MAG_INCL_RAB	RAB: Magnetic Dip	-68.7 (deg)
MBUTTON_K_FAC	RAB: Button Medium K Factor	0.00524
MDCP	magnetic declination	13.2 (deg)
MST_RM	Mud Sample temperature (RM)	21.0 (degC)
MW_RM	Mud Weight (RM)	10.5 (lbm/gal)
OBM	RAB: Oil base Mud	NO
OBMF_RM	Oil Based Mud	NO
ORIENTATION_RM	Rab Image Orientation	TOH
RABBD A0	RAB: Button Deep A0 Coeff	-0.0594
RABBD A1	RAB: Button Deep A1 Coeff	0.0256
RABBD A2	RAB: Button Deep A2 Coeff	-0.00579
RABBD A3	RAB: Button Deep A3 Coeff	0.000592
RABBD A4	RAB: Button Deep A4 Coeff	-2.2E-005
RABBD A5	RAB: Button Deep A5 Coeff	0.0
RABBD MIN	RAB: Button Deep Minimum Value	0.0511
RABBIT A0	RAB: Bit A0 Coeff	4.91
RABBIT A1	RAB: Bit A1 Coeff	-1.29
RABBIT A2	RAB: Bit A2 Coeff	15.6
RABBIT A3	RAB: Bit A3 Coeff	-26.6

RABBITA2	RAB: Bit A2 Coeff	15.6
RABBITA3	RAB: Bit A3 Coeff	-26.6
RABBITA4	RAB: Bit A4 Coeff	13.5
RABBITA5	RAB: Bit A5 Coeff	0.0
RABBITMIN	RAB: Bit Minimum Value	21.1
RABBMA0	RAB: Button Medium A0 Coeff	-0.0683
RABBMA1	RAB: Button Medium A1 Coeff	0.0304
RABBMA2	RAB: Button Medium A2 Coeff	-0.00697
RABBMA3	RAB: Button Medium A3 Coeff	0.000715
RABBMA4	RAB: Button Medium A4 Coeff	-2.6E-005
RABBMA5	RAB: Button Medium A5 Coeff	0.0
RABBMIN	RAB: Button Medium Minimum Value	0.0595
RABBSA0	RAB: Button Shallow A0 Coeff	-0.0798
RABBSA1	RAB: Button Shallow A1 Coeff	0.0351
RABBSA2	RAB: Button Shallow A2 Coeff	-0.00788
RABBSA3	RAB: Button Shallow A3 Coeff	0.00079
RABBSA4	RAB: Button Shallow A4 Coeff	-2.8E-005
RABBSA5	RAB: Button Shallow A5 Coeff	0.0
RABBSMIN	RAB: Button Shallow Minimum Value	0.0865
RABDHS	RAB Down Hole Software	4.00
RABEC	RAB: Resistivity Env-Cor	YES
RABRNGA0	RAB: RING A0 Coeff	-0.0557
RABRNGA1	RAB: RING A1 Coeff	0.0241
RABRNGA2	RAB: RING A2 Coeff	-0.00549
RABRNGA3	RAB: RING A3 Coeff	0.000567
RABRNGA4	RAB: RING A4 Coeff	-2.1E-005
RABRNGA5	RAB: RING A5 Coeff	0.0
RABRNGMIN	RAB: Ring Minimum Value	1.70
RAB_BIT_ECAL	Bit Resistivity for ECAL_RAB?	YES
RAB_BIT_INVERS	Input Bit Resistivity for Inversion? (Recommended at the bit)	NO
RAB_CALIPER_CA	Compute ECAL_RAB?	NO
RAB_DEEPBTN_E	Deep Button Resistivity for ECAL_RAB?	YES
RAB_DEEPBTN_IN	Input Deep Button Resistivity for Inversion?	YES
RAB_INVERSION	Perform Rt Inversion?	NO
RAB_INVERSION_	RAB Bit Sensor Weight for Inversion[0,1]	0.0
RAB_INVERSION_	Ending Depth for GR Cutoff in Zone1 (default through the whole well)	30480.0 (m)
RAB_INVERSION_	Ending Depth of Zone10	-999.3 (m)
RAB_INVERSION_	Ending Depth of Zone2	-999.3 (m)
RAB_INVERSION_	Ending Depth of Zone3	-999.3 (m)
RAB_INVERSION_	Ending Depth of Zone4	-999.3 (m)
RAB_INVERSION_	Ending Depth of Zone5	-999.3 (m)
RAB_INVERSION_	Ending Depth of Zone6	-999.3 (m)
RAB_INVERSION_	Ending Depth of Zone7	-999.3 (m)
RAB_INVERSION_	Ending Depth of Zone8	-999.3 (m)
RAB_INVERSION_	Ending Depth of Zone9	-999.3 (m)
RAB_INVERSION_	Continuity Multiplier[0,1]	0.500
RAB_INVERSION_	RAB Deep Button Sensor Weight for Inversion[0,1]	1.00
RAB_INVERSION_	RAB inversion for Dh?	YES
RAB_INVERSION_	RAB inversion for Di?	YES
RAB_INVERSION_	GR Cutoff for Shale Formation	75.0
RAB_INVERSION_	GR Cutoff for Shale Formation in Zone1(default through the whole well)	75.0 (gAPI)
RAB_INVERSION_	GR Cutoff in Zone10	75.0 (gAPI)
RAB_INVERSION_	GR Cutoff in Zone2	75.0 (gAPI)
RAB_INVERSION_	GR Cutoff in Zone3	75.0 (gAPI)
RAB_INVERSION_	GR Cutoff in Zone4	75.0 (gAPI)
RAB_INVERSION_	GR Cutoff in Zone5	75.0 (gAPI)
RAB_INVERSION_	GR Cutoff in Zone6	75.0 (gAPI)
RAB_INVERSION_	GR Cutoff in Zone7	75.0 (gAPI)
RAB_INVERSION_	GR Cutoff in Zone8	75.0 (gAPI)
RAB_INVERSION_	GR Cutoff in Zone9	75.0 (gAPI)
RAB_INVERSION_	RAB Medium Button Sensor Weight for Inversion[0,1]	1.00
RAB_INVERSION_	Resistivity Cutoff for Shale Formation	2.00 (ohm.m)
RAB_INVERSION_	Resistive Invasion Allowed	NO
RAB_INVERSION_	RAB Ring Sensor Weight for Inversion[0,1]	1.00
RAB_INVERSION_	RAB inversion for Rmud?	NO
RAB_INVERSION_	RAB inversion for Rt?	YES
RAB_INVERSION_	Rt to R-deepest separation penalty multiplier[0,1]	0.500
RAB_INVERSION_	RAB inversion for Rxo?	YES
RAB_INVERSION_	GR of Clean Sand Formation	-999.3
RAB_INVERSION_	GR of Shale Formation	-999.3
RAB_INVERSION_	RAB Shallow Button Sensor Weight for Inversion[0,1]	1.00
RAB_INVERSION_	Inversion Threshold[0, 0.3]	0.01000
RAB_INVERSION_	Formation Water Resistivity	0.100 (ohm.m)

RAB_INVERSION_	Inversion Threshold[0, 0.3]	0.01000
RAB_INVERSION_	Formation Water Resistivity	0.100 (ohm.m)
RAB_INVERSION_	Formation Water Temperature	150.0
RAB_MEDIUMBTN	Medium Button Resistivity for ECAL_RAB?	YES
RAB_MEDIUMBTN	Input Medium Button Resistivity for Inversion?	YES
RAB_QUAD	RAB: Process Quadrant data ?	YES
RAB_RIGMODE_E	Bit on Bottom?	YES
RAB_RING_ECAL	Ring Resistivity for ECAL_RAB?	YES
RAB_RING_INVER	Input RING Resistivity for Inversion?	YES
RAB_SHALLOWBT	Shallow Button Resistivity for ECAL_RAB?	YES
RAB_SHALLOWBT	Input Shallow Button Resistivity for Inversion?	YES
RAB_TAB	RAB: Compute TAB ?	YES
RAB_TECHLOG	RAB: Generate Techlog ?	YES
RAB_TEMP_SELE	RAB Temperature Selection	MEAS
RAB_TICKS	RAB: Generate Ticks ?	YES
READOUT_PORT_	RAB: ROP to Bit Face Distance	14.7 (m)
RHOF_RM	Mud Filtrate Density (RM)	1.00 (g/cm3)
RHOM_RM	Matrix density (RM)	2.71 (g/cm3)
RINGBHCA	RAB: Ring Borehole A Factor	0.161
RINGBHCB	RAB: Ring Borehole B Factor	0.0
RING_KIMP_A	RAB: Ring Impedance Coeff A	0.0
RING_KIMP_B	RAB: Ring Impedance Coeff B	0.0
RING_K_FACTOR	RAB: Ring K Factor	0.153
RMS_RM	Resistivity of Mud Sample (RM)	0.130 (ohm.m)
RWA_COMP_MOD	Rwa computation model	BASIC
RWA_DEN_ADN	Rwa Density Input	ROBB
RWA_DEN_CDN	Rwa Density Input	RHOB
RWA_DEN_INPUT	Rwa Density Input	ROBB
RWA_FORM_MOD	Rwa computation formation model	CLASTIC
RWA_RES_INPUT	Rwa computation resistivity input	RT
RWS_RM	Resistivity of Connate Water (RM)	1.00 (ohm.m)
SBUTTON_K_FAC	RAB: Button Shallow K Factor	0.00710
SCALE_IMAGES	RAB: Process Image Data	YES
SHT_RM	Surface Hole Temperature (RM)	23.9 (degC)
STAB	RAB: Run with Stabilizer	YES
TD_RM	Total Measured Depth (RM)	2268.0 (m)
TIMEFRAME_FILE	RAB: Time Frame File Name	RAB125TIME
TOOLTYPE	RAB: Azimuthal Tool	YES
TS_VERSION	RAB: ToolScope Software Version	6.10
TWS_RM	Temperature of Connate Water (RM)	23.9 (degC)
VF_ILLI	Fraction of illite in shales	0.500
VF_KAOL	Fraction of kaolinite in shales	0.500
VF_MONT	Fraction of montmorillonite in shales	0.0
VRAB6	Rab Tool type (ENP/PILOT)	RAB6_C_SERIES
WIN_SIZE_DYN_IM	RAB: Window Size for Scaling Dynamic Image	0.914 (m)
XPDM_RM	Cross plot density prosity multiplier	0.675
XPNM_RM	Cross plot neutron prosity multiplier	0.325

## MWD 10-A: MWD 10

<u>Mnemonic</u>	<u>Long Name</u>	<u>Value (Units)</u>
BHT_RM	Bottom Hole Temperature (RM)	74.5 (degC)
BSAL_RM	Mud Salinity (RM)	57.7 (ppk)
BS_RM	Bit Size (RM)	8.50 (in)
COEF_M	User Defined FEXP in Clean Sand	1.65
C_WS	Overpressure correction to Sw and M	1.00
FEXP	Formation Factor Exponent(RM)	2.00
FNUM	Formation Factor Enumerator(RM)	1.00
FPHI_RM	Formation Factor Porosity Source (RM)	XPLOT
MST_RM	Mud Sample temperature (RM)	21.0 (degC)
MW_RM	Mud Weight (RM)	10.5 (lbm/gal)
OBF_RM	Oil Based Mud	NO
RHOF_RM	Mud Filtrate Density (RM)	1.00 (g/cm3)
RHOM_RM	Matrix density (RM)	2.71 (g/cm3)
RMS_RM	Resistivity of Mud Sample (RM)	0.130 (ohm.m)
RWA_COMP_MOD	Rwa computation model	BASIC
RWA_DEN_ADN	Rwa Density Input	ROBB
RWA_DEN_CDN	Rwa Density Input	RHOB
RWA_DEN_INPUT	Rwa Density Input	ROBB
RWA_FORM_MOD	Rwa computation formation model	CLASTIC
RWA_RES_INPUT	Rwa computation resistivity input	RT
RWS_RM	Resistivity of Connate Water (RM)	1.00 (ohm.m)
SHT_RM	Surface Hole Temperature (RM)	23.9 (degC)
TD_RM	Total Measured Depth (RM)	2268.0 (m)

TD_RM	Total Measured Depth (RM)	2268.0 (m)
TWS_RM	Temperature of Connate Water (RM)	23.9 (degC)
VF_ILLI	Fraction of illite in shales	0.500
VF_KAOL	Fraction of kaolinite in shales	0.500
VF_MONT	Fraction of montmorillonite in shales	0.0
XPDM_RM	Cross plot density prosity multiplier	0.675
XPNM_RM	Cross plot neutron prosity multiplier	0.325

## ADN-CA: 6.75-in. Azimuthal Density Neutron

Mnemonic	Long Name	Value (Units)
ALPHA_COMPUTE	Perform Density Enhanced Vertical Resolution process ?	NO
ALPHA_COMPUTE	Perform Neutron Enhanced Vertical Resolution process ?	NO
AVE_ADN	ADN/Array Channels: perform averaging(RM) :	YES
BHT_RM	Bottom Hole Temperature (RM)	74.5 (degC)
BSAL_RM	Mud Salinity (RM)	57.7 (ppk)
BS_RM	Bit Size (RM)	8.50 (in)
CHI_RM	Caliper High Limit from BS(RM) for Neutron BH Corr	2.00 (in)
CLO_RM	Caliper Low Limit from BS(RM) for Neutron BH Corr	0.0 (in)
COEF_M	User Defined FEXP in Clean Sand	1.65
C_WS	Overpressure correction to Sw and M	1.00
DEVI	Average angle of the hole (RM)	61.0 (deg)
DTIK_SEL	ADN: Density Tick Channel Name	LSAZ
DTMUD	Delta-T for Mud	645.2 (us/m)
DYN_IMG_COMPU	Generate Dynamic Normalized Image?	NO
ENVCOR	Neutron Quadrant Processing: Environmental Correction?	YES
EVRL	EVR Process averaging level (RM)	49
FEXP	Formation Factor Exponent(RM)	2.00
FLOW	High/Low flow for density process(RM)	HIGH
FNUM	Formation Factor Enumerator(RM)	1.00
FPHI_RM	Formation Factor Porosity Source (RM)	XPLOT
GCSE	Caliper for Neutron BH Corr	BS
HPS	ADSE-EB (high pressure inconel chassis)?	NO
IBS	Intergal Blade Stabilizer Collar?	NO
IMAGE_MAX_SOA	Image SOA (Quadrant) Right Scale	2.50 (in)
IMAGE_MAX_SPE	Image PEF(Segment) Right Scale	6.00
IMAGE_MAX_SRH	Image RHOB(Segment) Right Scale	2.65 (g/cm3)
IMAGE_MIN_SOA	Image SOA (Quadrant) Left Scale	0.0 (in)
IMAGE_MIN_SPEF	Image PEF(Segment) Left Scale	2.00
IMAGE_MIN_SRHO	Image RHOB(Segment) Left Scale	2.05 (g/cm3)
LITHO_TYPE_ADN	Lithology (RM)	LIME
MST_RM	Mud Sample temperature (RM)	21.0 (degC)
MW_RM	Mud Weight (RM)	10.5 (lbm/gal)
N1FTU_6_RM	ADN: Neutron Bank 1 Far Tubes used :	1-2-3
N2FTU_6_RM	ADN: Neutron Bank 2 Far Tubes used :	1-2-3
NNTU_RM	ADN: Neutron Near Banks used :	1-2
NTIK_SEL	ADN: Neutron Tick Channel Name	FR11
OBMF_RM	Oil Based Mud	NO
RHOF_RM	Mud Filtrate Density (RM)	1.00 (g/cm3)
RHOM_RM	Matrix density (RM)	2.71 (g/cm3)
RMS_RM	Resistivity of Mud Sample (RM)	0.130 (ohm.m)
RWA_COMP_MOD	Rwa computation model	BASIC
RWA_DEN_ADN	Rwa Density Input	ROBB
RWA_DEN_CDN	Rwa Density Input	RHOB
RWA_DEN_INPUT	Rwa Density Input	ROBB
RWA_FORM_MOD	Rwa computation formation model	CLASTIC
RWA_RES_INPUT	Rwa computation resistivity input	RT
RWS_RM	Resistivity of Connate Water (RM)	1.00 (ohm.m)
SHT_RM	Surface Hole Temperature (RM)	23.9 (degC)
SOCNL	Neutron Standoff (RM)	1.00
SSIZ_ADN	ADN:Stabilizer Size (RM)	8.25 (in)
STOH	ADN Density Top of Hole Sector (Left Boundary):	SECTOR_0
TD_RM	Total Measured Depth (RM)	2268.0 (m)
TRPM_RM	Average Tool rotational Speed (RM)	20.0 (c/min)
TSIZ_ADN	ADN:Tool Size (RM)	6.75 (in)
TWS_RM	Temperature of Connate Water (RM)	23.9 (degC)
USMIN_RM	ADN:Minimum ultra-sonic standoff (RM)	0.300 (in)
USWF_RM	ADN:Process UltraSonic Waveform?	YES
VERS_ADN	ADN downhole software	6.20
VF_ILLI	Fraction of illite in shales	0.500
VF_KAOL	Fraction of kaolinite in shales	0.500
VF_MONT	Fraction of montmorillonite in shales	0.0
WASLOC	Ultrasonic Waveform: WASLoc	25
WSDI	Window Size of Dynamic Normalization Image	4.57 (m)

WASLOC	Ultrasonic Waveform: WASLoc	25
WSDI	Window Size of Dynamic Normalization Image	4.57 (m)
XPDM_RM	Cross plot density proosity multiplier	0.675
XPNM_RM	Cross plot neutron proosity multiplier	0.325

### CDR: CDR real-time

Mnemonic	Long Name	Value (Units)
CDR_DIP_ANGLE_	CDR: Dip Angle	-999.3 (deg)
CDR_DIP_AZIMUT	CDR: Dip Azimuth	-999.3 (deg)
EHED	Elevation Hydraulic Head	2.00 (m)
FRACP	Fracture Pressure	12.0 (lbm/gal)
GRAD	Formation Temp Gradient	0.400 (0.1 deg/m)
LWDC	Lwd Calibration Count	0
PPRES	Pore Pressure	8.00 (lbm/gal)
RTST	Surface Temperature	23.9 (degC)
SEABDEPTH	Water Depth	61.0 (m)
SF_FLAG	Return to Sea Floor?	NO

### EMAG: EMAG real-time

Mnemonic	Long Name	Value (Units)
EHED	Elevation Hydraulic Head	2.00 (m)
FRACP	Fracture Pressure	12.0 (lbm/gal)
PPRES	Pore Pressure	8.00 (lbm/gal)
SEABDEPTH	Water Depth	61.0 (m)
SF_FLAG	Return to Sea Floor?	NO

### ARC\_BHC: RT: ARC Borehole Correction

Mnemonic	Long Name	Value (Units)
CDPTH_ARC_RT	Process Start Depth	30.5 (m)
ENVCORR_RES_A	Enable Resistivity Environmental Correction:	NO

### ARC\_ECD: RT: ARC ECD Computation

Mnemonic	Long Name	Value (Units)
EHED	Elevation Hydraulic Head	2.00 (m)
FRACP	Fracture Pressure	12.0 (lbm/gal)
PPRES	Pore Pressure	8.00 (lbm/gal)
SEABDEPTH	Water Depth	61.0 (m)
SF_FLAG	Return to Sea Floor?	NO

### VPWD: VPWD real-time

Mnemonic	Long Name	Value (Units)
EHED	Elevation Hydraulic Head	2.00 (m)
FRACP	Fracture Pressure	12.0 (lbm/gal)
PPRES	Pore Pressure	8.00 (lbm/gal)
SEABDEPTH	Water Depth	61.0 (m)
SF_FLAG	Return to Sea Floor?	NO

### System and Miscellaneous

Mnemonic	Long Name	Value (Units)
A	A RWA coeff [F=A/PHIT**M]	1.00
A5DY	ARC5 Gr-Res Delay(sec)	0
ACF	M10 GR ACF	0.581
ACRST	Recover State	0
ADB	ACC Footage Logged Real Time	0.0
ADL	ACC Footage Logged Recorded Time	0.0
ADN_ENV	ADN: Environmental Correc. (YES/NO)	YES
ADN_RPM	ADN: Average Tool rotational Speed	90.0 (c/min)
AFB	ACC Failure Real Time (Y/N)	
AFL	ACC Fail Recorded Time (Y/N)	
AGPM	Average GPM	0.0
AHB	ACC Hours Real Time	0.0
AHL	ACC Hours Recorded Time	0.0
ALGO		1
ALRM	Alarm Activation Distance	3.05 (m)
ALTDPCCHAN	Name of alternate depth channel	
AMD	Azimuth of Maximum Deviation	
APPR	Average Pump Pressure	0.0
AQDY	DATP Delay	450
AREV	Analog Revs Sensor ?	NO
AROP	Average ROP	0.0
ARPM	Average RPM	0.0
ASWB	Average SWOB	0.0
ATRQ	Average Surface Torque	0.0
AZFR	Azimuth From	0.0 (deg)
AZTO	Azimuth To	0.0 (deg)

AZFR	Azimuth From	0.0 (deg)
AZTO	Azimuth To	0.0 (deg)
BA1A	RAB: Shallow button bhc a-factor	0.0242
BA1B	RAB: Shallow button bhc b-factor	0.0
BA2A	RAB: Medium button bhc a-factor	0.0238
BA2B	RAB: Medium button bhc b-factor	0.0
BA3A	RAB: Deep button bhc a-factor	0.00489
BA3B	RAB: Deep button bhc b-factor	0.0
BCAR	Carrier	0.0
BCOF		1.00
BCTH	Dpoint Confidence Threshold	0
BDMD	B Depth to M Depth	0.0
BFM1	Bore Hole Deviation From 1	
BFM2	Bore Hole Deviation From 2	
BFM3	Bore Hole Deviation From 3	
BFM4	Bore Hole Deviation From 4	
BG	Gas Formation Volume Factor, Bg	
BGMC	Bit Grading-Mel Cone Lock (Yes/No)	
BGMG	Bit Grading-Mel Gauge	0
BGMT	Bit Grading-Mel Teeth	0
BHAN		1
BHJA	Below Jars Weight in Air	0.0
BHJM	Below Jars Weight in Mud	0.0
BHVN		0
BHWA	BHA Weight In Air	0.0
BHWM	BHA Weight In Mud	0.0
BITA	RAB: Bit bhc a-factor	0.0578
BITB	RAB: Bit bhc b-factor	0.0
BITT	Bit Type	
BMN1	Bore Hole Deviation Min 1	
BMN2	Bore Hole Deviation Min 2	
BMN3	Bore Hole Deviation Min 3	
BMN4	Bore Hole Deviation Min 4	
BMX1	Bore Hole Deviation Max 1	
BMX2	Bore Hole Deviation Max 2	
BMX3	Bore Hole Deviation Max 3	
BMX4	Bore Hole Deviation Max 4	
BNHS	Bent Housing Angle	0.0
BOT	BOT Hrs	0.0
BSEC	Bits Per Second	0.0
BS_RT	RAB: Bit Size	8.50 (in)
BTO1	Bore Hole Deviation To 1	
BTO2	Bore Hole Deviation To 2	
BTO3	Bore Hole Deviation To 3	
BTO4	Bore Hole Deviation To 4	
BTVD		30.5 (m)
BUTIA	RAB: Button impedance coeff A	0.0
BUTIB	RAB: Button impedance coeff B	0.0
BVIB	BHA Vibration (Yes/No)	
CALC		0.0
CBDR	Casing Bottom of Driller	
CBLO	Casing Bottom of Logger	
CBOF	Viper:Hall effect Offset Angle	0.0 (deg)
CBTF	Viper: MTF-GTF control	-999.3 (deg)
CDB	CDRES Footage Logged Real Time	0.0
CDL	CDRES Footage Logged Recorded Time	0.0
CDNV	CDN: Software Version	4.10
CDN_5WORD	CDN: FIVE WORDS FRAME (YES/NO)	NO
CDN_ENV	CDN: Environmental Correc. (YES/NO)	YES
CDN_RPM	CDN: Average Tool rotational Speed	20.0 (c/min)
CFB	CDRES Failure Real Time (Y/N)	
CFIL	Viper survey filter spacing	152.4 (m)
CFL	CDRES Fail Recorded Time (Y/N)	
CHB	CDRES Hours Real Time	0.0
CHL	CDRES Hours Recorded Time	0.0
CHXU	Shx Magnetic Factor Uncertainty	0.0
CHYU	Shy Magnetic Factor Uncertainty	0.0
CHZU	Shz Magnetic Factor Uncertainty	0.0
CMGR	Cell Manager	
CNCV	Client Inconvenience (Yes/No)	
CNTR	Contractor	
COLL_BRS	Collar	
CP_SMWD	Cp Smwd Object	0.0

COLL_BRS	Collar	
CP_SMWD	Cp Smwd Object	0.0
CRDB	CDRGR Footage Logged Real Time	0.0
CRDL	CDRGR Footage Logged Recorded Time	0.0
CRFB	CDRGR Failure Real Time (Y/N)	
CRFL	CDRGR Fail Recorded Time (Y/N)	
CRHB	CDRGR Hours Real Time	0.0
CRV1	Curve #1	
CRV2	Curve #2	
CRV3	Curve #3	
CRV4	Curve #4	
CRV5	Curve #5	
CRV6	Curve #6	
CRV7	Curve #7	
CRV8	Curve #8	
CSTA	Check Shot Type Azimuth	0.0
CSTD	Check Shot Type Depth	0.0
CSTI	Check Shot Type Inclination	0.0
CTAR	Viper Target	-999.3 (deg)
DATF	Date Logged From	19-Jan-2002
DATT	Date Logged To	
DFDL	Default MWD delay	10.0
DHRF	DH RPM Factor	0.0 (c/gal)
DHSV_ARC_RT	ARC: Down Hole Software Version	NOT_SELECTED
DHTL	Default MWD tool	VIA_SPM
DIUN	Display Unit System	CANADIAN
DLT	Depth Logged To	
DMPBDLIS	Allow DLIS write during playback	NO
DMPBFRAME	# of Frames Per Read	100
DMPBWAIT	Playback wait constant	1000.0 (ms)
DNDB	DENS Footage Logged Real Time	0.0
DNDL	DENS Footage Logged Recorded Time	0.0
DNFB	DENS Failure Real Time (Y/N)	
DNFL	DENS Fail Recorded Time (Y/N)	
DNHB	DENS Hours Real Time	0.0
DNHL	DENS Hours Recorded Time	0.0
DO	Depth Offset for Logical Unit 1	0.0 (m)
DPLF	Depth Logged From	
DPRF	Depth Reference	Driller's Depth
DPRSS		0.0 (psi)
DRFM	Drift From	0.0
DRT0	Drift To	0.0
DSCF		1.00
DSSN	Depth System Serial #	PDA
DTDB	DTOR Footage Logged Real Time	0.0
DTDl	DTOR Footage Logged Recorded Time	0.0
DTFB	DTOR Failure Real Time (Y/N)	
DTFL	DTOR Fail Recorded Time (Y/N)	
DTHB	DTOR Hours Real Time	0.0
DTHL	DTOR Hours Recorded Time	0.0
DTMUD_RT	Delta-T for Mud	645.2 (us/m)
DTN1	Downhole Tool #1	
DTN2	Downhole Tool #2	
DTN3	Downhole Tool #3	
DTN4	Downhole Tool #4	
DTN5	Downhole Tool #5	
DTN6	Downhole Tool #6	
DTOF	Absolute DTOR offset	0.0 (1000 ft.lbf)
DWBR		3.00
DWDB	DW Footage Logged Real Time	0.0
DWDL	DWOB Footage Logged Recorded Time	0.0
DWFB	DWOB Failure Real Time (Y/N)	
DWFL	DWOB Fail Recorded Time (Y/N)	
DWHB	DWOB Hours Real Time	0.0
DWHL	DWOB Hours Recorded Time	0.0
DWOF	Absolute DWOB offset	0.0 (1000 lbf)
DZCNT	Times Zeroed Counter	0
DZDLS	Dog Leg Severity at Zero	0.0
DZHDR	Hydrostatic at Zero	0.0 (psi)
DZMDW	Mud Weight at Zero	0.0
DZSPP	SPP at Zero	0.0
DZTFL	Tflow at Zero	0.0
DZTIM	Time at Zero	0

[illegible]

E23S	Equipment 23 S/N	Dimension: [Absent] First element value:
E24C	Equipment 24 Code	Dimension: [Absent] First element value:
E24R	Equipment 24 Rev	Dimension: [Absent] First element value:
E24S	Equipment 24 S/N	Dimension: [Absent] First element value:
E25C	Equipment 25 Code	Dimension: [Absent] First element value:
E25R	Equipment 25 Rev	Dimension: [Absent] First element value:
E25S	Equipment 25 S/N	Dimension: [Absent] First element value:
E26C	Equipment 26 Code	Dimension: [Absent] First element value:
E26R	Equipment 26 Rev	Dimension: [Absent] First element value:
E26S	Equipment 26 S/N	Dimension: [Absent] First element value:
E27C	Equipment 27 Code	Dimension: [Absent] First element value:
E27R	Equipment 27 Rev	Dimension: [Absent] First element value:
E27S	Equipment 27 S/N	Dimension: [Absent] First element value:
E28C	Equipment 28 Code	Dimension: [Absent] First element value:
E28R	Equipment 28 Rev	Dimension: [Absent] First element value:
E28S	Equipment 28 S/N	Dimension: [Absent] First element value:
E29C	Equipment 29 Code	Dimension: [Absent] First element value:
E29R	Equipment 29 Rev	Dimension: [Absent] First element value:
E29S	Equipment 29 S/N	Dimension: [Absent] First element value:
E30C	Equipment 30 Code	Dimension: [Absent] First element value:
E30R	Equipment 30 Rev	Dimension: [Absent] First element value:
E30S	Equipment 30 S/N	Dimension: [Absent] First element value:
ELDL	LOG MWD depthstamp errors	NO
ELZ	Elevation of Log Zero	
EMR	End Mud Resistivity	0.0
EMV	End Mud Viscosity	0.0 (s)
EMW	End Mud Weight	0.0 (lbm/gal)
ENRN	Ending Run #	0
FFRM	Frame Format	
FIDX	Frame ID	
FLEV	Fluid Level	
FLSHSTRM	Flush depth--delayed streams to output at end	NO
FMFS	Gst Mud Fiterate Res	1.20 (ohm.m)
FNEU	Filtering neutron	Dimension: [Absent] First element value:
FRDN	Filtering density	Dimension: [Absent] First element value:
FRGN	Filtering GR	Dimension: [Absent] First element value:
FSUB	Float Sub (Yes/No)	
GDEP	Gst Srv Depth	-999.3 (m)
GEAR	Surface Torque Gear	HIGH_GEAR
GINC	Gst Srv Inclination	-999.3 (deg)
GMDC	Geomag Magnetic Declination	13.2 (deg)
GMLD	Geomag Location DIP	-68.7 (deg)
GMLG	Geomag Location G	1000.0
GMLH	Geomag Location H	1200.6
GMRO	Geomag Ran Once	1.00
GRDB	GR Footage Logged Real Time	0.0
GRDL	GR Footage Logged Recorded Time	0.0
GRFB	GR Failure Real Time (Y/N)	
GRFL	GR Fail Recorded Time (Y/N)	
GRHB	GR Hours Real Time	0.0
GRHL	GR Hours Recorded Time	0.0
GROF	CDR: Gamma Ray calibration Offset	0.0
GRSC	CDR: Gamma Ray calibration Gain	1.00
GRSF_ARC_RT	ARC: GR API Scale Factor	4.80
GTSF	CDR: Gamma Ray Tool size EU Scale Factor	1
HID1	Header Identifier Line 1	
HID2	Header Identifier Line 2	
HIDE	Header Identifier	
HLD	Header Legal Disclaimer	INCLUDE
HOLN		0
HSFZ	CDN: Helium Scale Factor	2.00
HTVD		30.5 (m)
IBW	IADC - Bearing Wear	
IDC	IADC - Dull Characteristics	
IDVN	Ideal WIS Version	id6_1c_10r
IGW	IADC - Gauge Wear	
IIR	IADC - Inner Rows	0
ILL1	Instrumentation Logo Line 1	
ILL2	Instrumentation Logo Line 2	
INFOUPDATE	Date Information Updated	
IOC	IADC - Other Characteristics	
IOR	IADC - Outer Rows	0
IRP	IADC - Reason Pulled	

IOR	IADC – Outer Rows	0
IRP	IADC – Reason Pulled	
IWL	IADC – Wear Location	
JAMM	Jamming (Yes/No)	
JAMT	Tool Jamming Time	0.0
JETA	Job Events Auto Save	ALLOW
JOB	Job Number	
JSTM	Unix start time of job.	1011312000 (s)
L4AL	CDN5WORD: DWL4 AL 7075 Blk	36.4
L4MG	CDN5WORD: DWL4 Magnesium Blk	211.7
L5AL	CDN5WORD: DWL5 AL 7075 Blk	36.9
L5MG	CDN5WORD: DWL5 Magnesium Blk	213.9
LAMB	M10 GR Lambda	24.2
LAZM	Srv Azimuth	59.9 (deg)
LCC	Logging Company Code	440
LCD	Last Casing Depth	0.0 (m)
LCMC	LCM Concentration	0.0
LCMS	LCM Size	0.0 (in)
LCM_T	LCM Type	
LCS	Last Casing Size	0.0 (in)
LDEP	Srv Depth	2268.0 (m)
LDLS	Srv DLS	0.0169 (0.1 deg/m)
LID1	Location–1 Title	
LID2	Location–2 Title	
LID3	Location–3 Title	
LID4	Location–4 Title	
LINC	Srv Inclination	66.5 (deg)
LOC1	Location–1 Text	
LOC2	Location–2 Text	
LOC3	Location–3 Text	
LOC4	Location–4 Text	
LOCG	Location G	1000.0
LOCH	Location H	1200.7
LOGMODE	Depth Logging Mode	MEASURED_DEPTH
LOGS	Log Scale	
LRTM	Lost Rig Time Due to MWD	0.0 (h)
LSENS	CDN5WORD: Long Density Sensitivity	0.550
LTVD	Srv TVD	1449.5 (m)
LWDH	LWD Drill Hours	0.0 (h)
LWRF	LWD Ream Feet	0.0 (m)
LWRH	LWD Ream Hours	0.0
LWVN	LWD Tool Version	6.2B08
M	M RWA coeff [F = A/PHIT**M]	2
MATRIX	Lithology	LIME
MCHX	Shx Magnetic Factor	0.0
MCHY	Shy Magnetic Factor	0.0
MCHZ	Shz Magnetic Factor	0.0
MCIN	Gst Mud Cond In	100.0 (mS/m)
MCL2	Mud Chloride	Dimension: [Absent] First element value: –50000.0 (ppm)
MCPI	MagCorr Password ID	0
MCPW	MagCorr Password	0
MCPY	Company Rep	Dimension: [Absent] First element value:
MCSS	Mud Cake Sample Source	
MDA1	Mud Additives –1	
MDA2	Mud Additives –2	
MDA3	Mud Additives –3	
MDA4	Mud Additives –4	
MDB	MAG Footage Logged Real Time	0.0
MDBR	Barite	Dimension: [Absent] First element value: –50000.0 (%)
MDCL	Mud Clean (Yes/No)	
MDCR	MudCake Resistivity	Dimension: [Absent] First element value: –50000.0 (ohm)
MDDD	Mud Data @ Depth	Dimension: [Absent] First element value: –50000.0 (m)
MDDS	Mud Salinity	Dimension: [Absent] First element value: –50000.0 (ppk)
MDDT	Mud Downhole Temperature	Dimension: [Absent] First element value: –50000.0 (deg)
MDEG	Engineer	Dimension: [Absent] First element value:
MDEN	Matrix Density	2.71 (g/cm3)
MDFL	Mud Fluid Loss	Dimension: [Absent] First element value: –50000.0 (ohm)
MDFR	Mud Filtrate Resistivity	Dimension: [Absent] First element value: –50000.0 (ohm)
MDFS	Mud Formation Salinity	Dimension: [Absent] First element value: –50000.0 (ppk)
MDHZ	CDN:Hole Size	Dimension: [Absent] First element value: –50000.0 (in)
MDL	MAG Footage Logged Recorded Time	0.0
MDLF	Named file to PreLoad	FM_pick
MDLR	PreLoad RT Depth Log data ?	DATABASE

MDLF	Named file to PreLoad	FM_pick
MDLR	PreLoad RT Depth Log data ?	DATABASE
MDPH	Mud Ph	Dimension: [Absent] First element value: -50000.0
MDPS	Mud Potassium	Dimension: [Absent] First element value: -50000.0 (ppm)
MDRS	Mud Resistivity	Dimension: [Absent] First element value: -50000.0 (ohm)
MDRT	Run Screen Depth Log(MDL) in Realtime?	YES
MDSR	Mud Source	Dimension: [Absent] First element value:
MDST	Mud Sample Temperature	Dimension: [Absent] First element value: -50000.0 (deg)
MDTP	Mud Type	Dimension: [Absent] First element value:
MDVI	Mud Viscosity	Dimension: [Absent] First element value: -50000.0 (P)
MDW1	Mud data:Mud weight	Dimension: [Absent] First element value: -50000.0 (lbm)
MDW2	GR:Mud Weight	Dimension: [Absent] First element value: -50000.0 (lbm)
MDW3	CDN:Mud Weight	Dimension: [Absent] First element value: -50000.0 (lbm)
MF1	Mud Type 1 From	
MF2	Mud Type 2 From	
MF3	Mud Type 3 From	
MF4	Mud Type 4 From	
MFB	MAG Failure Real Time (Y/N)	
MFD	Gst Mud Fiterate Density	1.00 (g/cm3)
MFL	MAG Fail Recorded Time (Y/N)	
MFSS	Mud Filtrate Sample Source	
MGA	Modulator Gap Avg	0.0
MGDF	Mwd Time Gate debug flag	-1
MGM1	Modulator Gap M1	0.0
MGM3	Modulator Gap M3	0.0
MHB	MAG Hours Real Time	0.0
MHL	MAG Hours Recorded Time	0.0
MLA1	MEL(+) CONST A1	0.150
MLA2	MEL(+) CONST A2	0.150
MLBS	MEL(+) Bit Size	12.3 (in)
MLFR	MEL(+) Friction Coefficient	0.400
MLLC	MEL(+) EDN Lower cutoff	0.100
MLRM	MEL(+) RPM:1=SRF,2=IDL,3=DH,4=#	1.00
MLSB	MEL(+) Shale buffer size	5.00
MLSP	MEL(+) Stop depth	15240.0 (m)
MLSS	MEL(+) Average Shale Strength	15.0
MLST	MEL(+) Starting depth	0.0 (m)
MLTA	MEL(+) Tooth angle	20.0 (deg)
MLTG	MEL(+) Tooth Grade (0-8)	1.00
MLUC	MEL(+) EDN Upper cutoff	0.100
MLWN	MEL(+) WNOR	25.0 (1000 lbf)
MNTH		1
MODT	Mod Type	
MRC1	CDN:Recording rate 1	Dimension: [Absent] First element value: -50000.0
MRC2	CDN:Recording rate 2	Dimension: [Absent] First element value: -50000.0
MRIN	Gst Mud Res In	100.0 (ohm.m)
MSHK	Max MWD Shock	0.0
MT1	Mud Type 1	
MT2	Mud Type 2	
MT3	Mud Type 3	
MT4	Mud Type 4	
MTDH	Gst Mud Temp DH	37.8 (degC)
MTIN	Gst Mud Temp In	26.7 (degC)
MTO1	Mud Type 1 To	
MTO2	Mud Type 2 To	
MTO3	Mud Type 3 To	
MTO4	Mud Type 4 To	
MWGT		10.0 (lbm/gal)
MWIN	Gst Mud Wt In	10.0 (lbm/gal)
MWVN	MWD Tool version	6.1C00
MXCT	Max Circ Temp	0.0
MXSD	Max Shock Duration	0.0 (h)
NDB	NEUT Footage Logged Real Time	0.0
NDL	NEUT Footage Logged Recorded Time	0.0
NFB	NEUT Failure Real Time (Y/N)	
NFL	NEUT Fail Recorded Time (Y/N)	
NHB	NEUT Hours Real Time	0.0
NHL	NEUT Hours Recorded Time	0.0
NLS	Nominal Logging Speed	
NOIS	Noise Problems	
NOZ1		1.00 (1/32 in)
NOZ2		1.00 (1/32 in)
NOZ3		1.00 (1/32 in)

NOZ2		1.00 (1/32 in)
NOZ3		1.00 (1/32 in)
NOZ4		1.00 (1/32 in)
NOZ5		1.00 (1/32 in)
NOZ6		1.00 (1/32 in)
NOZA		645.2 (mm2)
OBMF	Oil Based Mud	NO
OBM_RT	RAB: Oil base Mud	NO
OFFW	Offset Well List	
OPER	Operator's Code	
ORIENTATION	Rab RT Image Orientation	TOH
OTSV	Other Services	Directional Surveys
P1CP	Pump 1 Capacity/Stk @100%	0.100 (bbl)
P1DR	Pump 1 default SPM	0.0
P1EF	Pump 1 Efficiency	95.0 (%)
P1FC	Pump 1 Stk/Pul	1.00
P1FG	Pump 1 Status	ENABLED
P2CP	Pump 2 Capacity/Stk @100%	0.100 (bbl)
P2DR	Pump 2 default SPM	0.0
P2EF	Pump 2 Efficiency	95.0 (%)
P2FC	Pump 2 Stk/Pul	1.00
P2FG	Pump 2 Status	ENABLED
P3CP	Pump 3 Capacity/Stk @100%	0.100 (bbl)
P3DR	Pump 3 default SPM	0.0
P3EF	Pump 3 Efficiency	95.0 (%)
P3FC	Pump 3 Stk/Pul	1.00
P3FG	Pump 3 Status	ENABLED
P4CP	Pump 4 Capacity/Stk @100%	0.100 (bbl)
P4DR	Pump 4 default SPM	0.0
P4EF	Pump 4 Efficiency	95.0 (%)
P4FC	Pump 4 Stk/Pul	1.00
P4FG	Pump 4 Status	ENABLED
PBVSADP	Use alternate depth channel for playback	NO
PCAL_ACTIVE	CDR: Compute Pcal	NO
PCNT		0
PDEP	Prp Departure	55.9 (m)
PEFO	CDN4WORD: PE Offset	0.500
PEFS	CDN4WORD: PE Sensitivity	4.50
PFRF	Pump Time Flow Ref	0.0 (gal/min)
PGRS	CDR: Plateau GR sensor	YES
PIAF	Press Increment at Fail	
PLAT	Prp Latitude	-5.06 (m)
PM01	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM02	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM03	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM04	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM05	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM06	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM07	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM08	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM09	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM10	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM11	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM12	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM13	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM14	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM15	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM16	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM17	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM18	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM19	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM20	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM21	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM22	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM23	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM24	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM25	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM26	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM27	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM28	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM29	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PM30	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PMPO	Pump Output	0.0

PM30	Cumulative Pumping Hours	Dimension: [Absent] First element value: -50000.0
PMPO	Pump Output	0.0
PP	Playback Processing	NORMAL
PPRF	Pump Pressure Ref	250.0 (psi)
PPSLVO	PumpPressure Override for Slips	NO
PROF_ARC_RT	ARC: Pressure Offset	0.0
PRUN	Presentation Unit System	CANADIAN
PSOF	CDR: User Input Phase offset	-999.3 (deg)
PTVD	Prp Tvd	0.0 (m)
PTYP	Pump Type	
PV		0.160 (P)
PVER	Program Version	9C1-304
R300		2.00
R600		3.00
RAB_BIT_ECAL_R	Bit Resistivity for ECAL_RAB?	YES
RAB_DEEPBTN_E	Deep Button Resistivity for ECAL_RAB?	YES
RAB_MEDIUMBTN	Medium Button Resistivity for ECAL_RAB?	YES
RAB_RIGMODE_E	Bit on Bottom?	YES
RAB_RING_ECAL	Ring Resistivity for ECAL_RAB?	YES
RAB_SHALLOWBT	Shallow Button Resistivity for ECAL_RAB?	YES
RC01	Remark 1 Date	
RC02	Remark 2 Date	
RC03	Remark 3 Date	
RC04	Remark 4 Date	
RC05	Remark 5 Date	
RC06	Remark 6 Date	
RC07	Remark 7 Date	
RC08	Remark 8 Date	
RC09	Remark 9 Date	
RC10	Remark 10 Date	
RC11	Remark 11 Date	
RC12	Remark 12 Date	
RC13	Remark 13 Date	
RC14	Remark 14 Date	
RC15	Remark 15 Date	
RC16	Remark 16 Date	
RC17	<b>Remark 17 Date</b>	
RC18	Remark 18 Date	
RC19	Remark 19 Date	
RC20	Remark 20 Date	
RC21	Remark 21 Date	
RC22	Remark 22 Date	
RC23	Remark 23 Date	
RC24	Remark 24 Date	
RC25	Remark 25 Date	
RCON	DATP File Recording ?	NO
RD01	Remark 1 Depth	0.0
RD02	Remark 2 Depth	0.0
RD03	Remark 3 Depth	0.0
RD04	Remark 4 Depth	0.0
RD05	Remark 5 Depth	0.0
RD06	Remark 6 Depth	0.0
RD07	Remark 7 Depth	0.0
RD08	Remark 8 Depth	0.0
RD09	Remark 9 Depth	0.0
RD10	Remark 10 Depth	0.0
RD11	Remark 11 Depth	0.0
RD12	Remark 12 Depth	0.0
RD13	Remark 13 Depth	0.0
RD14	Remark 14 Depth	0.0
RD15	Remark 15 Depth	0.0
RD16	Remark 16 Depth	0.0
RD17	Remark 17 Depth	0.0
RD18	Remark 18 Depth	0.0
RD19	Remark 19 Depth	0.0
RD20	Remark 20 Depth	0.0
RD21	Remark 21 Depth	0.0
RD22	Remark 22 Depth	0.0
RD23	Remark 23 Depth	0.0
RD24	Remark 24 Depth	0.0
RD25	Remark 25 Depth	0.0
RDB	RES Footage Logged Real Time	0.0
RDL	RES Footage Logged Recorded Time	0.0

RDB	RES Footage Logged Real Time	0.0
RDL	RES Footage Logged Recorded Time	0.0
READOUT_PORT_	RAB: ROP to Bit Face Distance	14.8 (m)
REFP	Viper: Reference point	0.0 (m)
RFB	RES Failure Real Time (Y/N)	
RFL	RES Fail Recorded Time (Y/N)	
RHB	RES Hours Real Time	0.0
RHGY		0
RHL	RES Hours Recorded Time	0.0
RNGA	RAB: Ring bhc a-factor	0.161
RNGB	RAB: Ring bhc b-factor	0.0
RNGIA	RAB: Ring impedance coeff A	0.0
RNGIB	RAB: Ring impedance coeff B	0.0
ROCN	Read Out Port to Bit CDN	
ROCR	Read Out Port to Bit CDR	
ROM0	Read Out Port to Bit M-10	
ROOT	DATP File root	FT2TEST
RR1	Line 1	
RR10	Line 10	
RR11	Line 11	
RR12	Line 12	
RR13	Line 13	
RR14	Line 14	
RR15	Line 15	
RR16	Line 16	
RR17	Line 17	
RR18	Line 18	
RR19	Line 19	
RR2	Line 2	
RR20	Line 20	
RR21	Line 21	
RR22	Line 22	
RR23	Line 23	
RR24	Line 24	
RR25	Line 25	
RR26		
RR27		
RR28		
RR29		
RR3	Line 3	
RR30		
RR31		
RR32		
RR33		
RR34		
RR35		
RR36		
RR37		
RR38		
RR39		
RR4	Line 4	
RR40		
RR41		
RR42		
RR43		
RR44		
RR45		
RR46		
RR47		
RR48		
RR49		
RR5	Line 5	
RR50		
RR6	Line 6	
RR7	Line 7	
RR8	Line 8	
RR9	Line 9	
RT01	Remark 1 Time	
RT02	Remark 2 Time	
RT03	Remark 3 Time	
RT04	Remark 4 Time	
RT05	Remark 5 Time	
RT06	Remark 6 Time	

RT05	Remark 5 Time	
RT06	Remark 6 Time	
RT07	Remark 7 Time	
RT08	Remark 8 Time	
RT09	Remark 9 Time	
RT10	Remark 10 Time	
RT11	Remark 11 Time	
RT12	Remark 12 Time	
RT13	Remark 13 Time	
RT14	Remark 14 Time	
RT15	Remark 15 Time	
RT16	Remark 16 Time	
RT17	Remark 17 Time	
RT18	Remark 18 Time	
RT19	Remark 19 Time	
RT20	Remark 20 Time	
RT21	Remark 21 Time	
RT22	Remark 22 Time	
RT23	Remark 23 Time	
RT24	Remark 24 Time	
RT25	Remark 25 Time	
RTTH	RT Trans Hours	0.0 (h)
RT_BSAL	Mud Salinity	69.1 (ppk)
RT_FLOW	CDN5WORD: RT High/Low flow for density processing	HIGH
RVFC	Revs : Rev/Pul	1.00
RW	Resistivity of Connate Water	1.00 (ohm.m)
R_3		0.0
S1AL	CDN5WORD: DWS1 AL 7075 Blk	344.6
S1MG	CDN5WORD: DWS1 Magnesium Blk	1047.8
S3AL	CDN5WORD: DWS3 AL 7075 Blk	2426.8
S3MG	CDN5WORD: DWS3 Magnesium Blk	4901.1
SAND	Sand %	0.0
SCR1	Scan Rate #1	10
SCR2	Scan Rate #2	10
SCR3	Scan Rate #3	10
SCR4	Scan Rate #4	
SCR5	Scan Rate #5	
SCR6	Scan Rate #6	
SCR7	Scan Rate #7	
SCR8	Scan Rate #8	
SDAT	Spud Date	
SDB	SUR Footage Logged Real Time	0.0
SDL	SUR Footage Logged Recorded Time	0.0
SEDBLK	SedcoForex:Depth from BlockPos	NO
SEDFOREX	Rig Sensors from SPM WITS	NO
SFB	SUR Failure Real Time (Y/N)	
SFL	SUR Fail Recorded Time (Y/N)	
SHB	SUR Hours Real Time	0.0
SHL	SUR Hours Recorded Time	0.0
SKAL	Shock Alarm Level	1_LOW
SKDB	SHK Footage Logged Real Time	0.0
SKDL	SHK Footage Logged Recorded Time	0.0
SKFB	SHK Failure Real Time (Y/N)	
SKFL	SHK Fail Recorded Time (Y/N)	
SKHB	SHK Hours Real Time	0.0
SKHL	SHK Hours Recorded Time	0.0
SKPK	M10 Peak Shock	NO
SLDY	Slim1 Gr-Res Delay(sec)	0
SLVO	Disable InSlips if OnBottom	YES
SNCT	Sync Time	0.0 (h)
SOLID	Solid %	0.0
SPMN	SPM for connection	SPM1
SPVN	SPM Version	id6_1c_10r
SSCR	Surface Screen (Yes/No)	
SSENS	CDN5WORD: Short Density Sensitivity	1.65
SSFL	Surface System Failure (Yes/No)	
ST01	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST02	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST03	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST04	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST05	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST06	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST07	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0

ST06	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST07	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST08	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST09	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST10	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST11	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST12	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST13	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST14	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST15	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST16	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST17	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST18	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST19	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST20	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST21	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST22	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST23	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST24	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST25	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST26	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST27	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST28	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST29	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
ST30	Start Pumping Hours	Dimension: [Absent] First element value: -50000.0
STEM	Surface Temperature	
STRN	Starting Run #	0
STUN	Storage Unit System	CANADIAN
SURI		1.00
SURL		1.00
SVIB	Surface Vibration (Yes/No)	
SWA	Software Version - AWS	
SWBR		10.0 (1000 lbf)
SWCN	Software Version - CDN	
SWCR	Software Version - CDR	
SWDT		1
SWI	Software Version - Ideal	
SWM0	Software Version - M10	
SWM3	Software Version - M3	
SWP1	Start depth for Well Plot	304.8 (m)
SWP2	End depth for Well Plot	1524.0 (m)
SWP3	Well Plot display rate in meas depth/hr	10972.8 (m/h)
SWP4	Well Plot display depth increment	3.05 (m)
SWP5	Well Plot plan well number	53.0
SWS	Software Version - SPM	
TDB	TEMP Footage Logged Real Time	0.0
TDHS	TDH Shock	0.0
TFAC	T/F Arc	0.0
TFAL	Trans Fail	
TFB	TEMP Failure Real Time (Y/N)	
TFCP	Toolface corr angle	68.7 (deg)
TFL	TEMP Fail Recorded Time (Y/N)	
TG1E	Target 1 - East Coordinate	-999.3 (m)
TG1N	Target 1 - North Coordinate	-999.3 (m)
TG1T	Target 1 - TVD	-999.3 (m)
TG2E	Target 2 - East Coordinate	-999.3 (m)
TG2N	Target 2 - North Coordinate	-999.3 (m)
TG2T	Target 2 - TVD	-999.3 (m)
TG3E	Target 3 - East Coordinate	-999.3 (m)
TG3N	Target 3 - North Coordinate	-999.3 (m)
TG3T	Target 3 - TVD	-999.3 (m)
THB	TEMP Hours Real Time	0.0
THL	TEMP Hours Recorded Time	0.0
TNRA_OFF	CDN4.1: RealTime Ratio Offset	0.0
TOTC	Total correction	14.0 (deg)
TOTD	Total Depth	
TPAZ	Tie in point Azimuth	95.7 (deg)
TPDL	TEMP Footage Logged Recorded Time	0.0
TPDP	Tie in point Depth	628.0 (m)
TPED	Tie in point east disp	176.1 (m)
TPIN	Tie in point Incl	25.5 (deg)
TPND	Tie in point north disp	-33.0 (m)
TPRA	Tie in point Rotary Az	64.6 (deg)

TPRA	Tie in point Rotary Az	64.6 (deg)
TPTV	Tie in point TVD	607.0 (m)
TRDB	TRAN Footage Logged Real Time	0.0
TRDL	TRAN Footage Logged Recorded Time	0.0
TRFB	TRAN Failure Real Time (Y/N)	
TRFL	TRAN Fail Recorded Time (Y/N)	
TRHB	TRAN Hours Real Time	0.0
TRHL	TRAN Hours Recorded Time	0.0
TROT	Turbine Rotor Prt No	
TRPM_K	Flow Turbine RPM Constant	0.0
TSTA	Turbine Stator Prt No	
TTDM	Trip Termination Due to MWD (Yes/No)	
TWS	Temperature of Connate Water Sample	37.8 (degC)
UNSN	Unit Serial #	OLU-FB-924
UPD1	Update Rate #1	10
UPD2	Update Rate #2	10
UPD3	Update Rate #3	10
UPD4	Update Rate #4	
UPD5	Update Rate #5	
UPD6	Update Rate #6	
UPD7	Update Rate #7	
UPD8	Update Rate #8	
UWID	Unique Well Identification Number	
VFM	VALT Flow Min	0.0
VFMX	VALT Flow Max	0.0
VSRD	Viper: Demand Survey	0
WDEP	Water Depth	
XDW1	WOB 7in PCfac	0.00563
XDW2	WOB 8in PCfac	0.00563
XDW3	WOB 9in PCfac	0.01000
XIW1	IWOB 6.75in PCfac	-0.0200
XIW2	IWOB 8.25in PCfac	-0.0264
XIW3	IWOB 9.0in PCfac	-0.0246
XIW4	IWOB 9.5in PCfac	-0.0243
XIW5	Custom DWOB PCfac	0.0
XPDM	Cross Plot Density Multiplier	0.625
XPNM	Cross Plot Neutron Multiplier	0.375
XVAL	X Coordinate	5771791.69 m
YP		12.0 (psi)
YVAL	Y Coordinate	621538.528 m

## Channels

File: **RAB .068** Sequence: **68**

Origin: **41**

**RAB6-CA: 6.75-in. Resistivity At-the-Bi**

Spacing: 0.0 m

Number of Channels: 95

<u>Mnemonic</u>	<u>Long Name</u>	<u>Units</u>	<u>Properties</u>
1TIM	0.1-ft Frame Time	MS	DLISBROWSER
BD1R_RAW	Raw Deep Button Current from T1, In Phase	----	DLISBROWSER
BD1X_RAW	Raw Deep Button Current from T1, Out of Phase	----	DLISBROWSER
BD2R_RAW	Raw Deep Button Current from T2, In Phase	----	DLISBROWSER
BD2X_RAW	Raw Deep Button Current from T2, Out of Phase	----	DLISBROWSER
BDM1_RAW	Raw Deep Button Current from T1	----	DLISBROWSER
BDM2_RAW	Raw Deep Button Current from T2	----	DLISBROWSER
BM1R_RAW	Raw Medium Button Current from T1, In Phase	----	DLISBROWSER
BM1X_RAW	Raw Medium Button Current from T1, Out of Phase	----	DLISBROWSER
BM2R_RAW	Raw Medium Button Current from T2, In Phase	----	DLISBROWSER
BM2X_RAW	Raw Medium Button Current from T2, Out of Phase	----	DLISBROWSER
BMM1_RAW	Raw Medium Button Current from T1	----	DLISBROWSER
BMM2_RAW	Raw Medium Button Current from T2	----	DLISBROWSER
BS1R_RAW	Raw Shallow Button Current from T1, In Phase	----	DLISBROWSER
BS1X_RAW	Raw Shallow Button Current from T1, Out of Phase	----	DLISBROWSER
BS2R_RAW	Raw Shallow Button Current from T2, In Phase	----	DLISBROWSER
BS2X_RAW	Raw Shallow Button Current from T2, Out of Phase	----	DLISBROWSER
BSM1_RAW	Raw Shallow Button Current from T1	----	DLISBROWSER
BSM2_RAW	Raw Shallow Button Current from T2	----	DLISBROWSER
COND_BIT	Bit Conductivity	MS/M	DLISBROWSER
COND_RING	Ring Conductivity	MS/M	DLISBROWSER
DSAM	Density Samples of This Frame, 0.1 ft	----	DLISBROWSER
GRHV_RAB	RAB Gamma Ray High Voltage	V	CUSTOMER

DSAM	Density Samples of This Frame, 0.1 ft	----	DLISBROWSER
GRHV_RAB	RAB Gamma Ray High Voltage	V	CUSTOMER
LTBV_RAB	Low Power Tool Bus Voltage	V	CUSTOMER
M01R	Raw Monitor 0 from T1	----	DLISBROWSER
M01X	Raw Monitor 0 from T1, Out of Phase	----	DLISBROWSER
M01_R	Raw Monitor 0 from T1, In Phase	----	DLISBROWSER
M02R	Raw Monitor 0 from T2	----	DLISBROWSER
M02X	Raw Monitor 0 from T2, Out of Phase	----	DLISBROWSER
M02_R	Raw Monitor 0 from T2, In Phase	----	DLISBROWSER
M21R	Raw Monitor 2 from T1	----	DLISBROWSER
M21X	Raw Monitor 2 from T1, Out of Phase	----	DLISBROWSER
M21_R	Raw Monitor 2 from T1, In Phase	----	DLISBROWSER
M22R	Raw Monitor 2 from T2	----	DLISBROWSER
M22X	Raw Monitor 2 from T2, Out of Phase	----	DLISBROWSER
M22_R	Raw Monitor 2 from T2, In Phase	----	DLISBROWSER
MINUS_10V	-10 Volt Power Supply Voltage	V	CUSTOMER
NSAM	Neutron Samples of This Frame, 0.1 ft	----	DLISBROWSER
PLUS_10V	+10 Volt Power Supply Voltage	V	CUSTOMER
R1R	Raw Ring Current from T1, In Phase	----	DLISBROWSER
R1VR	Raw Ring Current from T1	----	DLISBROWSER
R1X	Raw Ring Current from T1, Out of Phase	----	DLISBROWSER
R20V	+20V Power Supply Voltage	V	CUSTOMER
R2R	Raw Ring Current from T2, In Phase	----	DLISBROWSER
R2VR	Raw Ring Current from T2	----	DLISBROWSER
R2X	Raw Ring Current from T2, Out of Phase	----	DLISBROWSER
RES_BD	Deep Button Resistivity	OHMM	DLISBROWSER
RES_BD_DN	Deep Button Resistivity, Down	OHMM	DLISBROWSER
RES_BD_DN_RAW	Raw Deep Button Resistivity, Down	----	DLISBROWSER
RES_BD_LF	Deep Button Resistivity, Left	OHMM	DLISBROWSER
RES_BD_LF_RAW	Raw Deep Button Resistivity, Left	----	DLISBROWSER
RES_BD_RG	Deep Button Resistivity, Right	OHMM	DLISBROWSER
RES_BD_RG_RAW	Raw Deep Button Resistivity, Right	----	DLISBROWSER
RES_BD_UP	Deep Button Resistivity, Up	OHMM	DLISBROWSER
RES_BD_UP_RAW	Raw Deep Button Resistivity, Up	----	DLISBROWSER
RES_BIT	Bit Resistivity	OHMM	DLISBROWSER
RES_BIT_OBM	Bit Resistivity - Oil Based Mud	OHMM	DLISBROWSER
RES_BM	Medium Button Resistivity	OHMM	DLISBROWSER
RES_BM_DN	Medium Button Resistivity, Down	OHMM	DLISBROWSER
RES_BM_DN_RAW	Raw Medium Button Resistivity, Down	----	DLISBROWSER
RES_BM_LF	Medium Button Resistivity, Left	OHMM	DLISBROWSER
RES_BM_LF_RAW	Raw Medium Button Resistivity, Left	----	DLISBROWSER
RES_BM_RG	Medium Button Resistivity, Right	OHMM	DLISBROWSER
RES_BM_RG_RAW	Raw Medium Button Resistivity, Right	----	DLISBROWSER
RES_BM_UP	Medium Button Resistivity, Up	OHMM	DLISBROWSER
RES_BM_UP_RAW	Raw Medium Button Resistivity, Up	----	DLISBROWSER
RES_BS	Shallow Button Resistivity	OHMM	DLISBROWSER
RES_BS_DN	Shallow Button Resistivity, Down	OHMM	DLISBROWSER
RES_BS_DN_RAW	Raw Shallow Button Resistivity, Down	----	DLISBROWSER
RES_BS_LF	Shallow Button Resistivity, Left	OHMM	DLISBROWSER
RES_BS_LF_RAW	Raw Shallow Button Resistivity, Left	----	DLISBROWSER
RES_BS_RG	Shallow Button Resistivity, Right	OHMM	DLISBROWSER
RES_BS_RG_RAW	Raw Shallow Button Resistivity, Right	----	DLISBROWSER
RES_BS_UP	Shallow Button Resistivity, Up	OHMM	DLISBROWSER
RES_BS_UP_RAW	Raw Shallow Button Resistivity, Up	----	DLISBROWSER
RES_RING	Ring Resistivity	OHMM	DLISBROWSER
RF11_P1F	Raw Far Bank 1 Tube 1 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF12_P1F	Raw Far Bank 1 Tube 2 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF13_P1F	Raw Far Bank 1 Tube 3 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF21_P1F	Raw Far Bank 2 Tube 1 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF22_P1F	Raw Far Bank 2 Tube 2 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF23_P1F	Raw Far Bank 2 Tube 3 Count Rate, 0.1 ft	CPS	DLISBROWSER
RN11_P1F	Raw Near Bank 1 Tube 1 Count Rate, 0.1 ft	CPS	DLISBROWSER
RN21_P1F	Raw Near Bank 2 Tube 1 Count Rate, 0.1 ft	CPS	DLISBROWSER
RPM_RAB	RAB Rotational Speed	RPM	DLISBROWSER
SHK_RAB_AX	RAB Axial Shock Rate	CPS	DLISBROWSER
SHK_RAB_TRANS	RAB Transverse Shock Rate	CPS	DLISBROWSER
T1HV	Raw T1 Voltage	----	DLISBROWSER
T2HV	Raw T2 Voltage	----	DLISBROWSER
TDEP	6-Inch Frame Depth	m	CUSTOMER
TICK_DEN	Density Ticks, 0.1 ft	----	DLISBROWSER
TICK_NEU	Neutron Ticks, 0.1 ft	----	DLISBROWSER
TICK_RAB_BIT	Bit Sensor Sample Indicator	----	DLISBROWSER
TICK_RAB_GR	Gamma Ray Sample Indicator	----	DLISBROWSER

TICK_RAB_BIT	Bit Sensor Sample Indicator	----	DLISBROWSER
TICK_RAB_GR	Gamma Ray Sample Indicator	----	DLISBROWSER
TICK_RAB_RING	Ring Sample Indicator	----	DLISBROWSER

Spacing: 0.2 m

Number of Channels: 151

<u>Mnemonic</u>	<u>Long Name</u>	<u>Units</u>	<u>Properties</u>
6TIM	6-in. Frame Time	MS	DLISBROWSER
AAI	Angular Acceleration Indicator	----	DLISBROWSER
ANGX_RAB	Angle X – Angle from RAB Scan Index to Down	DEG	DLISBROWSER
BNPB	Neutron Borehole Invariant Porosity, Bottom Half	V/V	DLISBROWSER
BNPH	Neutron Borehole Invariant Porosity	V/V	DLISBROWSER
BNPU	Neutron Borehole Invariant Porosity, Upper Half	V/V	DLISBROWSER
DCAL	Differential Caliper	IN	DLISBROWSER
DEVI	Hole Deviation from Well Survey	DEG	DLISBROWSER
DIP_HEIGHT	Height of Dip Plane Intersection with Borehole	m	CUSTOMER
DPA1_RAB	Apparent Dip Azimuth – Tool	DEG	DLISBROWSER
DPAA_NAZ	Apparent Dip Azimuth – North	DEG	DLISBROWSER
DPAA_TOH	Apparent Dip Azimuth – Top of Hole	DEG	DLISBROWSER
DPAP	Apparent Dip Inclination – Tool	DEG	DLISBROWSER
DPAZ	True Dip Azimuth	DEG	DLISBROWSER
DPHB	Density Porosity from ROBB	V/V	DLISBROWSER
DPHI	Density Porosity	V/V	DLISBROWSER
DPHL	Density Porosity from ROBL	V/V	DLISBROWSER
DPHR	Density Porosity from ROBR	V/V	DLISBROWSER
DPHU	Density Porosity from ROBU	V/V	DLISBROWSER
DPTR	True Dip Inclination	DEG	DLISBROWSER
DRHB	Bulk Density Correction, Bottom	G/C3	DLISBROWSER
DRHL	Bulk Density Correction, Left	G/C3	DLISBROWSER
DRHO	Bulk Density Correction	G/C3	DLISBROWSER
DRHR	Bulk Density Correction, Right	G/C3	DLISBROWSER
DRHU	Bulk Density Correction, Up	G/C3	DLISBROWSER
DRRT	Bulk Density Rotational Correction	G/C3	DLISBROWSER
EFRA	Echo-Firing Ratio	%	CUSTOMER
GR_RAB	RAB Gamma Ray	GAPI	DLISBROWSER
GR_RAB_CAL	RAB Calibrated Gamma Ray	GAPI	DLISBROWSER
GR_RAB_DN	RAB Gamma Ray, Down	GAPI	DLISBROWSER
GR_RAB_LF	RAB Gamma Ray, Left	GAPI	DLISBROWSER
GR_RAB_RAW	RAB Raw Gamma Ray	CPS	DLISBROWSER
GR_RAB_RAW_DN	RAB Raw Gamma Ray, Down	CPS	DLISBROWSER
GR_RAB_RAW_LF	RAB Raw Gamma Ray, Left	CPS	DLISBROWSER
GR_RAB_RAW_RG	RAB Raw Gamma Ray, Right	CPS	DLISBROWSER
GR_RAB_RAW_UP	RAB Raw Gamma Ray, Up	CPS	DLISBROWSER
GR_RAB_RG	RAB Gamma Ray, Right	GAPI	DLISBROWSER
GR_RAB_UP	RAB Gamma Ray, Up	GAPI	DLISBROWSER
HAZI	Hole Azimuth from Well Survey	DEG	DLISBROWSER
HEHV	Helium High Voltage	V	CUSTOMER
HORD	Horizontal Hole Diameter	IN	DLISBROWSER
IBT1_ADN	ADN Battery 1 Current	MA	DLISBROWSER
IBT2_ADN	ADN Battery 2 Current	MA	DLISBROWSER
LSHV	High Voltage for Long Spacing Detector	V	CUSTOMER
LSW3	Raw Long Spacing Window 3 Count Rate	CPS	DLISBROWSER
LTVB_ADN	ADN Low Power Tool Bus Voltage	V	CUSTOMER
P1AZ	Pad 1 Azimuth	DEG	DLISBROWSER
P1NO	Pad 1 Rotation Relative to North Azimuth	DEG	DLISBROWSER
PEB	Photoelectric Factor, Bottom	----	DLISBROWSER
PEF	Photoelectric Factor	----	DLISBROWSER
PEL	Photoelectric Factor, Left	----	DLISBROWSER
PER	Photoelectric Factor, Right	----	DLISBROWSER
PEU	Photoelectric Factor, Up	----	DLISBROWSER
PHIT_B	Total Porosity without Clay Correction	V/V	DLISBROWSER
QUAF	Dip Quality Factor	----	DLISBROWSER
RB	Relative Bearing	DEG	DLISBROWSER
RF11_ADN	Raw Far Bank 1 Tube 1 Count Rate	CPS	DLISBROWSER
RF12_ADN	Raw Far Bank 1 Tube 2 Count Rate	CPS	DLISBROWSER
RF13_ADN	Raw Far Bank 1 Tube 3 Count Rate	CPS	DLISBROWSER
RF21	Raw Far Bank 2 Tube 1 Count Rate	CPS	DLISBROWSER
RF22	Raw Far Bank 2 Tube 2 Count Rate	CPS	DLISBROWSER
RF23	Raw Far Bank 2 Tube 3 Count Rate	CPS	DLISBROWSER
RFR1	Raw Far Bank 1 Count Rate, Quadrant(B–L–U–R) Array	CPS	Dimension: [4] DLISBROWSER
RFR2	Raw Far Bank 2 Count Rate, Quadrant(B–L–U–R) Array	CPS	Dimension: [4] DLISBROWSER
RHOB	Bulk Density	G/C3	DLISBROWSER

RHOB	Bulk Density	G/C3	DLISBROWSER
RHOL	Long Spacing Bulk Density	G/C3	DLISBROWSER
RHOS	Short Spacing Bulk Density	G/C3	DLISBROWSER
RN11_ADN	Raw Near Bank 1 Tube 1 Count Rate	CPS	DLISBROWSER
RN21	Raw Near Bank 2 Tube 1 Count Rate	CPS	DLISBROWSER
RNR1	Raw Near Bank 1 Count Rate, Quadrant(B-L-U-R) Array	CPS	Dimension: [4] DLISBROWSER
RNR2	Raw Near Bank 2 Count Rate, Quadrant(B-L-U-R) Array	CPS	Dimension: [4] DLISBROWSER
ROBB	Bulk Density, Bottom	G/C3	DLISBROWSER
ROBL	Bulk Density, Left	G/C3	DLISBROWSER
ROBR	Bulk Density, Right	G/C3	DLISBROWSER
ROBU	Bulk Density, Up	G/C3	DLISBROWSER
ROLB	Long Spacing Bulk Density, Bottom	G/C3	DLISBROWSER
ROLL	Long Spacing Bulk Density, Left	G/C3	DLISBROWSER
ROLR	Long Spacing Bulk Density, Right	G/C3	DLISBROWSER
ROLU	Long Spacing Bulk Density, Up	G/C3	DLISBROWSER
ROP5_RM	Rate of Penetration, Averaged over Last 5ft	M/HR	DLISBROWSER
ROSB	Short Spacing Bulk Density, Bottom	G/C3	DLISBROWSER
ROSL	Short Spacing Bulk Density, Left	G/C3	DLISBROWSER
ROSR	Short Spacing Bulk Density, Right	G/C3	DLISBROWSER
ROSU	Short Spacing Bulk Density, Up	G/C3	DLISBROWSER
RPM_ADN	ADN Rotational Speed	RPM	DLISBROWSER
SHK1_ADN	ADN Shock Rate, over 50g	CPS	DLISBROWSER
SHK2_ADN	ADN Shock Rate, over 200g	CPS	DLISBROWSER
SOAB	Average Ultrasonic Standoff, Bottom	IN	DLISBROWSER
SOAL	Average Ultrasonic Standoff, Left	IN	DLISBROWSER
SOAR	Average Ultrasonic Standoff, Right	IN	DLISBROWSER
SOAU	Average Ultrasonic Standoff, Up	IN	DLISBROWSER
SONB	Minimum Ultrasonic Standoff, Bottom	IN	DLISBROWSER
SONL	Minimum Ultrasonic Standoff, Left	IN	DLISBROWSER
SONR	Minimum Ultrasonic Standoff, Right	IN	DLISBROWSER
SONU	Minimum Ultrasonic Standoff, Up	IN	DLISBROWSER
SOXB	Maximum Ultrasonic Standoff, Bottom	IN	DLISBROWSER
SOXL	Maximum Ultrasonic Standoff, Left	IN	DLISBROWSER
SOXR	Maximum Ultrasonic Standoff, Right	IN	DLISBROWSER
SOXU	Maximum Ultrasonic Standoff, Up	IN	DLISBROWSER
SSHV	High Voltage for Short Spacing Detector	V	CUSTOMER
SSW1	Raw Short Spacing Window 1 Count Rate	CPS	DLISBROWSER
SSW3	Raw Short Spacing Window 3 Count Rate	CPS	DLISBROWSER
TAB_DEN	Density Time After Bit	S	DLISBROWSER
TAB_NEU	Neutron Time After Bit	S	DLISBROWSER
TAB_RAB_BD	Deep Button Resistivity Time After Bit	S	DLISBROWSER
TAB_RAB_BIT	Bit Resistivity Time After Bit	S	DLISBROWSER
TAB_RAB_BM	Medium Button Resistivity Time After Bit	S	DLISBROWSER
TAB_RAB_BS	Shallow Button Resistivity Time After Bit	S	DLISBROWSER
TAB_RAB_GR	RAB Gamma Ray Time After Bit	S	DLISBROWSER
TAB_RAB_RING	Ring Resistivity Time After Bit	S	DLISBROWSER
TDEP;1	0.1-ft Frame Depth	m	CUSTOMER
TEMP	Temperature	DEGF	DLISBROWSER
TN1B	Thermal Neutron Porosity, Bank 1, Bottom	V/V	DLISBROWSER
TN1U	Thermal Neutron Porosity, Bank 1, Up	V/V	DLISBROWSER
TN2B	Thermal Neutron Porosity, Bank 2, Bottom	V/V	DLISBROWSER
TN2U	Thermal Neutron Porosity, Bank 2, Up	V/V	DLISBROWSER
TNP1	Thermal Neutron Porosity, Bank 1	V/V	DLISBROWSER
TNP1_UNC	HSize & Eccentering Corrected Thermal Neutron Porosity, Bank 1	V/V	DLISBROWSER
TNP2	Thermal Neutron Porosity, Bank 2	V/V	DLISBROWSER
TNP2_UNC	HSize & Eccentering Corrected Thermal Neutron Porosity, Bank 2	V/V	DLISBROWSER
TNPB	Thermal Neutron Porosity, Bottom	V/V	DLISBROWSER
TNPH	Thermal Neutron Porosity	V/V	DLISBROWSER
TNPH_UNC	HSize & Eccentering Corrected Thermal Neutron Porosity	V/V	DLISBROWSER
TNPL	Thermal Neutron Porosity, Left	V/V	DLISBROWSER
TNPR	Thermal Neutron Porosity, Right	V/V	DLISBROWSER
TNPU	Thermal Neutron Porosity, Up	V/V	DLISBROWSER
TNR1	Thermal Neutron Ratio, Bank 1	----	DLISBROWSER
TNR1_UNC	HSize & Eccentering Corrected Thermal Neutron Ratio, Bank 1	----	DLISBROWSER
TNR2	Thermal Neutron Ratio, Bank 2	----	DLISBROWSER
TNR2_UNC	HSize & Eccentering Corrected Thermal Neutron Ratio, Bank 2	----	DLISBROWSER
TNRA	Thermal Neutron Ratio	----	DLISBROWSER
TNRA_UNC	HSize & Eccentering Corrected Thermal Neutron Ratio	----	DLISBROWSER
TNRB	Thermal Neutron Ratio, Bottom	----	DLISBROWSER
TNRL	Thermal Neutron Ratio, Left	----	DLISBROWSER

TNRB	Thermal Neutron Ratio, Bottom	----	DLISBROWSER
TNRL	Thermal Neutron Ratio, Left	----	DLISBROWSER
TNRR	Thermal Neutron Ratio, Right	----	DLISBROWSER
TNRU	Thermal Neutron Ratio, Up	----	DLISBROWSER
TR1B	Thermal Neutron Ratio, Bank 1, Bottom	----	DLISBROWSER
TR1U	Thermal Neutron Ratio, Bank 1, Up	----	DLISBROWSER
TR2B	Thermal Neutron Ratio, Bank 2, Bottom	----	DLISBROWSER
TR2U	Thermal Neutron Ratio, Bank 2, Up	----	DLISBROWSER
TTEM_ADN	ADN Tool Temperature	DEGC	DLISBROWSER
TTEM_RAB	RAB Tool Temperature	DEGC	DLISBROWSER
U	Volumetric Photoelectric Factor	----	DLISBROWSER
UB	Volumetric Photoelectric Factor, Bottom	----	DLISBROWSER
UL	Volumetric Photoelectric Factor, Left	----	DLISBROWSER
UR	Volumetric Photoelectric Factor, Right	----	DLISBROWSER
UU	Volumetric Photoelectric Factor, Up	----	DLISBROWSER
UWVF	Ultrasonic Waveform	----	Dimension: [227] DLISBROWSER
UWVF_DET_TIME	Ultrasonic Waveform: Detect Time	US	DLISBROWSER
UWVF_QC	Ultrasonic Waveform, Quality Control	----	Dimension: [8] DLISBROWSER
VERD	Vertical Hole Diameter	IN	DLISBROWSER

## ADN-CA: 6.75-in. Azimuthal Density Neutron

Spacing: 0.0 m

Number of Channels: 95

<u>Mnemonic</u>	<u>Long Name</u>	<u>Units</u>	<u>Properties</u>
1TIM	0.1-ft Frame Time	MS	DLISBROWSER
BD1R_RAW	Raw Deep Button Current from T1, In Phase	----	DLISBROWSER
BD1X_RAW	Raw Deep Button Current from T1, Out of Phase	----	DLISBROWSER
BD2R_RAW	Raw Deep Button Current from T2, In Phase	----	DLISBROWSER
BD2X_RAW	Raw Deep Button Current from T2, Out of Phase	----	DLISBROWSER
BDM1_RAW	Raw Deep Button Current from T1	----	DLISBROWSER
BDM2_RAW	Raw Deep Button Current from T2	----	DLISBROWSER
BM1R_RAW	Raw Medium Button Current from T1, In Phase	----	DLISBROWSER
BM1X_RAW	Raw Medium Button Current from T1, Out of Phase	----	DLISBROWSER
BM2R_RAW	Raw Medium Button Current from T2, In Phase	----	DLISBROWSER
BM2X_RAW	Raw Medium Button Current from T2, Out of Phase	----	DLISBROWSER
BMM1_RAW	Raw Medium Button Current from T1	----	DLISBROWSER
BMM2_RAW	Raw Medium Button Current from T2	----	DLISBROWSER
BS1R_RAW	Raw Shallow Button Current from T1, In Phase	----	DLISBROWSER
BS1X_RAW	Raw Shallow Button Current from T1, Out of Phase	----	DLISBROWSER
BS2R_RAW	Raw Shallow Button Current from T2, In Phase	----	DLISBROWSER
BS2X_RAW	Raw Shallow Button Current from T2, Out of Phase	----	DLISBROWSER
BSM1_RAW	Raw Shallow Button Current from T1	----	DLISBROWSER
BSM2_RAW	Raw Shallow Button Current from T2	----	DLISBROWSER
COND_BIT	Bit Conductivity	MS/M	DLISBROWSER
COND_RING	Ring Conductivity	MS/M	DLISBROWSER
DSAM	Density Samples of This Frame, 0.1 ft	----	DLISBROWSER
GRHV_RAB	RAB Gamma Ray High Voltage	V	CUSTOMER
LTBV_RAB	Low Power Tool Bus Voltage	V	CUSTOMER
M01R	Raw Monitor 0 from T1	----	DLISBROWSER
M01X	Raw Monitor 0 from T1, Out of Phase	----	DLISBROWSER
M01_R	Raw Monitor 0 from T1, In Phase	----	DLISBROWSER
M02R	Raw Monitor 0 from T2	----	DLISBROWSER
M02X	Raw Monitor 0 from T2, Out of Phase	----	DLISBROWSER
M02_R	Raw Monitor 0 from T2, In Phase	----	DLISBROWSER
M21R	Raw Monitor 2 from T1	----	DLISBROWSER
M21X	Raw Monitor 2 from T1, Out of Phase	----	DLISBROWSER
M21_R	Raw Monitor 2 from T1, In Phase	----	DLISBROWSER
M22R	Raw Monitor 2 from T2	----	DLISBROWSER
M22X	Raw Monitor 2 from T2, Out of Phase	----	DLISBROWSER
M22_R	Raw Monitor 2 from T2, In Phase	----	DLISBROWSER
MINUS_10V	-10 Volt Power Supply Voltage	V	CUSTOMER
NSAM	Neutron Samples of This Frame, 0.1 ft	----	DLISBROWSER
PLUS_10V	+10 Volt Power Supply Voltage	V	CUSTOMER
R1R	Raw Ring Current from T1, In Phase	----	DLISBROWSER
R1VR	Raw Ring Current from T1	----	DLISBROWSER
R1X	Raw Ring Current from T1, Out of Phase	----	DLISBROWSER
R20V	+20V Power Supply Voltage	V	CUSTOMER
R2R	Raw Ring Current from T2, In Phase	----	DLISBROWSER
R2VR	Raw Ring Current from T2	----	DLISBROWSER
R2X	Raw Ring Current from T2, Out of Phase	----	DLISBROWSER
RES_BD	Deep Button Resistivity	OHMM	DLISBROWSER
RES_BD_DN	Deep Button Resistivity, Down	OHMM	DLISBROWSER

RES_BD	Deep Button Resistivity	OHMM	DLISBROWSER
RES_BD_DN	Deep Button Resistivity, Down	OHMM	DLISBROWSER
RES_BD_DN_RAW	Raw Deep Button Resistivity, Down	----	DLISBROWSER
RES_BD_LF	Deep Button Resistivity, Left	OHMM	DLISBROWSER
RES_BD_LF_RAW	Raw Deep Button Resistivity, Left	----	DLISBROWSER
RES_BD_RG	Deep Button Resistivity, Right	OHMM	DLISBROWSER
RES_BD_RG_RAW	Raw Deep Button Resistivity, Right	----	DLISBROWSER
RES_BD_UP	Deep Button Resistivity, Up	OHMM	DLISBROWSER
RES_BD_UP_RAW	Raw Deep Button Resistivity, Up	----	DLISBROWSER
RES_BIT	Bit Resistivity	OHMM	DLISBROWSER
RES_BIT_OBM	Bit Resistivity – Oil Based Mud	OHMM	DLISBROWSER
RES_BM	Medium Button Resistivity	OHMM	DLISBROWSER
RES_BM_DN	Medium Button Resistivity, Down	OHMM	DLISBROWSER
RES_BM_DN_RAW	Raw Medium Button Resistivity, Down	----	DLISBROWSER
RES_BM_LF	Medium Button Resistivity, Left	OHMM	DLISBROWSER
RES_BM_LF_RAW	Raw Medium Button Resistivity, Left	----	DLISBROWSER
RES_BM_RG	Medium Button Resistivity, Right	OHMM	DLISBROWSER
RES_BM_RG_RAW	Raw Medium Button Resistivity, Right	----	DLISBROWSER
RES_BM_UP	Medium Button Resistivity, Up	OHMM	DLISBROWSER
RES_BM_UP_RAW	Raw Medium Button Resistivity, Up	----	DLISBROWSER
RES_BS	Shallow Button Resistivity	OHMM	DLISBROWSER
RES_BS_DN	Shallow Button Resistivity, Down	OHMM	DLISBROWSER
RES_BS_DN_RAW	Raw Shallow Button Resistivity, Down	----	DLISBROWSER
RES_BS_LF	Shallow Button Resistivity, Left	OHMM	DLISBROWSER
RES_BS_LF_RAW	Raw Shallow Button Resistivity, Left	----	DLISBROWSER
RES_BS_RG	Shallow Button Resistivity, Right	OHMM	DLISBROWSER
RES_BS_RG_RAW	Raw Shallow Button Resistivity, Right	----	DLISBROWSER
RES_BS_UP	Shallow Button Resistivity, Up	OHMM	DLISBROWSER
RES_BS_UP_RAW	Raw Shallow Button Resistivity, Up	----	DLISBROWSER
RES_RING	Ring Resistivity	OHMM	DLISBROWSER
RF11_P1F	Raw Far Bank 1 Tube 1 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF12_P1F	Raw Far Bank 1 Tube 2 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF13_P1F	Raw Far Bank 1 Tube 3 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF21_P1F	Raw Far Bank 2 Tube 1 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF22_P1F	Raw Far Bank 2 Tube 2 Count Rate, 0.1 ft	CPS	DLISBROWSER
RF23_P1F	Raw Far Bank 2 Tube 3 Count Rate, 0.1 ft	CPS	DLISBROWSER
RN11_P1F	Raw Near Bank 1 Tube 1 Count Rate, 0.1 ft	CPS	DLISBROWSER
RN21_P1F	Raw Near Bank 2 Tube 1 Count Rate, 0.1 ft	CPS	DLISBROWSER
RPM_RAB	RAB Rotational Speed	RPM	DLISBROWSER
SHK_RAB_AX	RAB Axial Shock Rate	CPS	DLISBROWSER
SHK_RAB_TRANS	RAB Transverse Shock Rate	CPS	DLISBROWSER
T1HV	Raw T1 Voltage	----	DLISBROWSER
T2HV	Raw T2 Voltage	----	DLISBROWSER
TDEP	6-Inch Frame Depth	m	CUSTOMER
TICK_DEN	Density Ticks, 0.1 ft	----	DLISBROWSER
TICK_NEU	Neutron Ticks, 0.1 ft	----	DLISBROWSER
TICK_RAB_BIT	Bit Sensor Sample Indicator	----	DLISBROWSER
TICK_RAB_GR	Gamma Ray Sample Indicator	----	DLISBROWSER
TICK_RAB_RING	Ring Sample Indicator	----	DLISBROWSER

Spacing: 0.2 m

Number of Channels: 151

<u>Mnemonic</u>	<u>Long Name</u>	<u>Units</u>	<u>Properties</u>
6TIM	6-in. Frame Time	MS	DLISBROWSER
AAI	Angular Acceleration Indicator	----	DLISBROWSER
ANGX_RAB	Angle X – Angle from RAB Scan Index to Down	DEG	DLISBROWSER
BNPB	Neutron Borehole Invariant Porosity, Bottom Half	V/V	DLISBROWSER
BNPH	Neutron Borehole Invariant Porosity	V/V	DLISBROWSER
BNPU	Neutron Borehole Invariant Porosity, Upper Half	V/V	DLISBROWSER
DCAL	Differential Caliper	IN	DLISBROWSER
DEVI	Hole Deviation from Well Survey	DEG	DLISBROWSER
DIP_HEIGHT	Height of Dip Plane Intersection with Borehole	m	CUSTOMER
DPA1_RAB	Apparent Dip Azimuth – Tool	DEG	DLISBROWSER
DPAA_NAZ	Apparent Dip Azimuth – North	DEG	DLISBROWSER
DPAA_TOH	Apparent Dip Azimuth – Top of Hole	DEG	DLISBROWSER
DPAP	Apparent Dip Inclination – Tool	DEG	DLISBROWSER
DPAZ	True Dip Azimuth	DEG	DLISBROWSER
DPHB	Density Porosity from ROBB	V/V	DLISBROWSER
DPHI	Density Porosity	V/V	DLISBROWSER
DPHL	Density Porosity from ROBL	V/V	DLISBROWSER
DPHR	Density Porosity from ROBR	V/V	DLISBROWSER
DPHU	Density Porosity from ROBU	V/V	DLISBROWSER
DPTR	True Dip Inclination	DEG	DLISBROWSER
DRHB	Bulk Density Correction, Bottom	G/C3	DLISBROWSER

DPTR	True Dip Inclination	DEG	DLISBROWSER
DRHB	Bulk Density Correction, Bottom	G/C3	DLISBROWSER
DRHL	Bulk Density Correction, Left	G/C3	DLISBROWSER
DRHO	Bulk Density Correction	G/C3	DLISBROWSER
DRHR	Bulk Density Correction, Right	G/C3	DLISBROWSER
DRHU	Bulk Density Correction, Up	G/C3	DLISBROWSER
DRRT	Bulk Density Rotational Correction	G/C3	DLISBROWSER
EFRA	Echo-Firing Ratio	%	CUSTOMER
GR_RAB	RAB Gamma Ray	GAPI	DLISBROWSER
GR_RAB_CAL	RAB Calibrated Gamma Ray	GAPI	DLISBROWSER
GR_RAB_DN	RAB Gamma Ray, Down	GAPI	DLISBROWSER
GR_RAB_LF	RAB Gamma Ray, Left	GAPI	DLISBROWSER
GR_RAB_RAW	RAB Raw Gamma Ray	CPS	DLISBROWSER
GR_RAB_RAW_DN	RAB Raw Gamma Ray, Down	CPS	DLISBROWSER
GR_RAB_RAW_LF	RAB Raw Gamma Ray, Left	CPS	DLISBROWSER
GR_RAB_RAW_RG	RAB Raw Gamma Ray, Right	CPS	DLISBROWSER
GR_RAB_RAW_UP	RAB Raw Gamma Ray, Up	CPS	DLISBROWSER
GR_RAB_RG	RAB Gamma Ray, Right	GAPI	DLISBROWSER
GR_RAB_UP	RAB Gamma Ray, Up	GAPI	DLISBROWSER
HAZI	Hole Azimuth from Well Survey	DEG	DLISBROWSER
HEHV	Helium High Voltage	V	CUSTOMER
HORD	Horizontal Hole Diameter	IN	DLISBROWSER
IBT1_ADN	ADN Battery 1 Current	MA	DLISBROWSER
IBT2_ADN	ADN Battery 2 Current	MA	DLISBROWSER
LSHV	High Voltage for Long Spacing Detector	V	CUSTOMER
LSW3	Raw Long Spacing Window 3 Count Rate	CPS	DLISBROWSER
LTBV_ADN	ADN Low Power Tool Bus Voltage	V	CUSTOMER
P1AZ	Pad 1 Azimuth	DEG	DLISBROWSER
P1NO	Pad 1 Rotation Relative to North Azimuth	DEG	DLISBROWSER
PEB	Photoelectric Factor, Bottom	----	DLISBROWSER
PEF	Photoelectric Factor	----	DLISBROWSER
PEL	Photoelectric Factor, Left	----	DLISBROWSER
PER	Photoelectric Factor, Right	----	DLISBROWSER
PEU	Photoelectric Factor, Up	----	DLISBROWSER
PHIT_B	Total Porosity without Clay Correction	V/V	DLISBROWSER
QUAF	Dip Quality Factor	----	DLISBROWSER
RB	Relative Bearing	DEG	DLISBROWSER
RF11_ADN	Raw Far Bank 1 Tube 1 Count Rate	CPS	DLISBROWSER
RF12_ADN	Raw Far Bank 1 Tube 2 Count Rate	CPS	DLISBROWSER
RF13_ADN	Raw Far Bank 1 Tube 3 Count Rate	CPS	DLISBROWSER
RF21	Raw Far Bank 2 Tube 1 Count Rate	CPS	DLISBROWSER
RF22	Raw Far Bank 2 Tube 2 Count Rate	CPS	DLISBROWSER
RF23	Raw Far Bank 2 Tube 3 Count Rate	CPS	DLISBROWSER
RFR1	Raw Far Bank 1 Count Rate, Quadrant(B-L-U-R) Array	CPS	Dimension: [4] Dimension: [4] DLISBROWSER
RFR2	Raw Far Bank 2 Count Rate, Quadrant(B-L-U-R) Array	CPS	Dimension: [4] Dimension: [4] DLISBROWSER
RHOB	Bulk Density	G/C3	DLISBROWSER
RHOL	Long Spacing Bulk Density	G/C3	DLISBROWSER
RHOS	Short Spacing Bulk Density	G/C3	DLISBROWSER
RN11_ADN	Raw Near Bank 1 Tube 1 Count Rate	CPS	DLISBROWSER
RN21	Raw Near Bank 2 Tube 1 Count Rate	CPS	DLISBROWSER
RNR1	Raw Near Bank 1 Count Rate, Quadrant(B-L-U-R) Array	CPS	Dimension: [4] Dimension: [4] DLISBROWSER
RNR2	Raw Near Bank 2 Count Rate, Quadrant(B-L-U-R) Array	CPS	Dimension: [4] Dimension: [4] DLISBROWSER
ROBB	Bulk Density, Bottom	G/C3	DLISBROWSER
ROBL	Bulk Density, Left	G/C3	DLISBROWSER
ROBR	Bulk Density, Right	G/C3	DLISBROWSER
ROBU	Bulk Density, Up	G/C3	DLISBROWSER
ROLB	Long Spacing Bulk Density, Bottom	G/C3	DLISBROWSER
ROLL	Long Spacing Bulk Density, Left	G/C3	DLISBROWSER
ROLR	Long Spacing Bulk Density, Right	G/C3	DLISBROWSER
ROLU	Long Spacing Bulk Density, Up	G/C3	DLISBROWSER
ROP5_RM	Rate of Penetration, Averaged over Last 5ft	M/HR	DLISBROWSER
ROSB	Short Spacing Bulk Density, Bottom	G/C3	DLISBROWSER
ROSL	Short Spacing Bulk Density, Left	G/C3	DLISBROWSER
ROSR	Short Spacing Bulk Density, Right	G/C3	DLISBROWSER
ROSU	Short Spacing Bulk Density, Up	G/C3	DLISBROWSER

ROSR	Short Spacing Bulk Density, Right	G/C3	DLISBROWSER
ROSU	Short Spacing Bulk Density, Up	G/C3	DLISBROWSER
RPM_ADN	ADN Rotational Speed	RPM	DLISBROWSER
SHK1_ADN	ADN Shock Rate, over 50g	CPS	DLISBROWSER
SHK2_ADN	ADN Shock Rate, over 200g	CPS	DLISBROWSER
SOAB	Average Ultrasonic Standoff, Bottom	IN	DLISBROWSER
SOAL	Average Ultrasonic Standoff, Left	IN	DLISBROWSER
SOAR	Average Ultrasonic Standoff, Right	IN	DLISBROWSER
SOAU	Average Ultrasonic Standoff, Up	IN	DLISBROWSER
SONB	Minimum Ultrasonic Standoff, Bottom	IN	DLISBROWSER
SONL	Minimum Ultrasonic Standoff, Left	IN	DLISBROWSER
SONR	Minimum Ultrasonic Standoff, Right	IN	DLISBROWSER
SONU	Minimum Ultrasonic Standoff, Up	IN	DLISBROWSER
SOXB	Maximum Ultrasonic Standoff, Bottom	IN	DLISBROWSER
SOXL	Maximum Ultrasonic Standoff, Left	IN	DLISBROWSER
SOXR	Maximum Ultrasonic Standoff, Right	IN	DLISBROWSER
SOXU	Maximum Ultrasonic Standoff, Up	IN	DLISBROWSER
SSHV	High Voltage for Short Spacing Detector	V	CUSTOMER
SSW1	Raw Short Spacing Window 1 Count Rate	CPS	DLISBROWSER
SSW3	Raw Short Spacing Window 3 Count Rate	CPS	DLISBROWSER
TAB_DEN	Density Time After Bit	S	DLISBROWSER
TAB_NEU	Neutron Time After Bit	S	DLISBROWSER
TAB_RAB_BD	Deep Button Resistivity Time After Bit	S	DLISBROWSER
TAB_RAB_BIT	Bit Resistivity Time After Bit	S	DLISBROWSER
TAB_RAB_BM	Medium Button Resistivity Time After Bit	S	DLISBROWSER
TAB_RAB_BS	Shallow Button Resistivity Time After Bit	S	DLISBROWSER
TAB_RAB_GR	RAB Gamma Ray Time After Bit	S	DLISBROWSER
TAB_RAB_RING	Ring Resistivity Time After Bit	S	DLISBROWSER
TDEP;1	0.1-ft Frame Depth	m	CUSTOMER
TEMP	Temperature	DEGF	DLISBROWSER
TN1B	Thermal Neutron Porosity, Bank 1, Bottom	V/V	DLISBROWSER
TN1U	Thermal Neutron Porosity, Bank 1, Up	V/V	DLISBROWSER
TN2B	Thermal Neutron Porosity, Bank 2, Bottom	V/V	DLISBROWSER
TN2U	Thermal Neutron Porosity, Bank 2, Up	V/V	DLISBROWSER
TNP1	Thermal Neutron Porosity, Bank 1	V/V	DLISBROWSER
TNP1_UNC	HSize & Eccentering Corrected Thermal Neutron Porosity, Bank 1	V/V	DLISBROWSER
TNP2	Thermal Neutron Porosity, Bank 2	V/V	DLISBROWSER
TNP2_UNC	HSize & Eccentering Corrected Thermal Neutron Porosity, Bank 2	V/V	DLISBROWSER
TNPB	Thermal Neutron Porosity, Bottom	V/V	DLISBROWSER
TNPH	Thermal Neutron Porosity	V/V	DLISBROWSER
TNPH_UNC	HSize & Eccentering Corrected Thermal Neutron Porosity	V/V	DLISBROWSER
TNPL	Thermal Neutron Porosity, Left	V/V	DLISBROWSER
TNPR	Thermal Neutron Porosity, Right	V/V	DLISBROWSER
TNPU	Thermal Neutron Porosity, Up	V/V	DLISBROWSER
TNR1	Thermal Neutron Ratio, Bank 1	----	DLISBROWSER
TNR1_UNC	HSize & Eccentering Corrected Thermal Neutron Ratio, Bank 1	----	DLISBROWSER
TNR2	Thermal Neutron Ratio, Bank 2	----	DLISBROWSER
TNR2_UNC	HSize & Eccentering Corrected Thermal Neutron Ratio, Bank 2	----	DLISBROWSER
TNRA	Thermal Neutron Ratio	----	DLISBROWSER
TNRA_UNC	HSize & Eccentering Corrected Thermal Neutron Ratio	----	DLISBROWSER
TNRB	Thermal Neutron Ratio, Bottom	----	DLISBROWSER
TNRL	Thermal Neutron Ratio, Left	----	DLISBROWSER
TNRR	Thermal Neutron Ratio, Right	----	DLISBROWSER
TNRU	Thermal Neutron Ratio, Up	----	DLISBROWSER
TR1B	Thermal Neutron Ratio, Bank 1, Bottom	----	DLISBROWSER
TR1U	Thermal Neutron Ratio, Bank 1, Up	----	DLISBROWSER
TR2B	Thermal Neutron Ratio, Bank 2, Bottom	----	DLISBROWSER
TR2U	Thermal Neutron Ratio, Bank 2, Up	----	DLISBROWSER
TTEM_ADN	ADN Tool Temperature	DEGC	DLISBROWSER
TTEM_RAB	RAB Tool Temperature	DEGC	DLISBROWSER
U	Volumetric Photoelectric Factor	----	DLISBROWSER
UB	Volumetric Photoelectric Factor, Bottom	----	DLISBROWSER
UL	Volumetric Photoelectric Factor, Left	----	DLISBROWSER
UR	Volumetric Photoelectric Factor, Right	----	DLISBROWSER
UU	Volumetric Photoelectric Factor, Up	----	DLISBROWSER
UWVF	Ultrasonic Waveform	----	Dimension: [227]
			Dimension: [227]
			DLISBROWSER
UWVF_DET_TIME	Ultrasonic Waveform: Detect Time	US	DLISBROWSER
UWVF_QC	Ultrasonic Waveform, Quality Control	----	Dimension: [8]
			Dimension: [8]
			DLISBROWSER
VERD	Vertical Hole Diameter	IN	DLISBROWSER

VERD	Vertical Hole Diameter	IN	DLISBROWSER DLISBROWSER
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Frame Summary    File: RAB .068    Sequence: 68

Origin: 41						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	534.01	2267.96 m	0.0 (m) down	95	TDEP	12B
	1752.00	7440.80 ft				
BOREHOLE-DEPTH	534.01	2267.86 m	0.2 (m) down	151	TDEP,1	60B
	1752.00	7440.50 ft				