

COMPANY: Lamont Doherty

WELL: ODP Leg 199, Site 1219 A (PAT-17C)

FIELD:

Ocean: Pacific

Schlumberger
 DSST
 Dipole Shear, Monopole Comp.
 Natural Gamma Ray

LOCATION
 LAT: 7 DEG 48.009' N
 LONG: 142 DEG 00.940' W
 Elev.: K.B. 11.3 m
 G.L. -5075 m
 D.F. 11 m
 Permanent Datum: MSL
 Log Measured From: RKB
 Drilling Measured From: RKB
 Elev.: 0 m
 11.3 m above Perm. Datum
 API Serial No. Max. Hole Devi. 4 deg Longitude Latitude

Field:
 Location: LAT: 7 DEG 48.009' N
 Well: ODP Leg 199, Site 1219 A (PAT-17C)
 Company: Lamont Doherty

Logging Date	25-Nov-2001	
Run Number	1	
Depth Driller	5325 m	
Schlumberger Depth	5326 m	
Bottom Log Interval	5304 m	
Top Log Interval	5074 m	
Casing Driller Size @ Depth	0.000 in @ 5156 m	
Casing Schlumberger	5159 m	
Bit Size	11.438 in	
Type Fluid In Hole	Sepiolite/Saltwater	
Density	1.066 g/cm3	
Fluid Loss	PH	
Source Of Sample	Mudpit	
RM @ Measured Temperature	0.253 ohm.m @ 32 degC	
RMF @ Measured Temperature	@ @	
RMC @ Measured Temperature	@ @	
Source RMF	RMC	
RM @ MRT	none @ 7	
RMF @ MRT	0.480 @ 7	
Maximum Recorded Temperatures	7 degC @ 7	
Circulation Stopped	25-Nov-2001 6:00	
Logger On Bottom	26-Nov-2001 6:00	
Unit Number	99 Houston, TX	
Recorded By	Kerry M. Swain	
Witnessed By	Philippe Galliot, Brice Rea	

Logging Date	Run 1	Run 2	Run
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
Source Of Sample			
RM @ Measured Temperature			
RMF @ Measured Temperature			
RMC @ Measured Temperature			
Source RMF			
RM @ MRT			
RMF @ MRT			
Maximum Recorded Temperatures			
Circulation Stopped			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

DISCLAIMER

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OTHER SERVICES1
 OS1: DITE/HLDT/APS/HNGS
 OS2: FMS
 OS3:
 OS4:
 OS5:

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 Hole cored with APC/XCB.
 Log presented in Meters Below Rig Floor (MBRF).
 Lamont Temperature tool (TAP) was run on Triple Combo, Run 1.
 Toolstring-MEST/NGTC/MCD/DSST/MCD/LEHQT
 Lamont Multi-Sensor Gamma Ray tool (MGT) was run on Triple Combo, Run 1.
 Wireline Heave Compensator (WHC) was used on all runs.
 Sepiolite mud was used to displace the hole during the wiper trip after drilling
 Drillers TD 5325 MBRF, Driller Pipe depth: 5156 MBRF.
 Schlumberger TD 5326 MBRF.
 Drill Pipe Schlumberger 5159 MBRF.
 High frequency Dipole and monopole sources used on 1st Pass.
 Low frequency Dipole and medium frequency monopole sources used on 2nd Pass.

REMARKS: RUN NUMBER 2

RUN 1
 SERVICE ORDER #:
 PROGRAM VERSION: 9C2-303
 FLUID LEVEL:

RUN 2
 SERVICE ORDER #:
 PROGRAM VERSION:
 FLUID LEVEL:

LOGGED INTERVAL	START	STOP

LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1
SURFACE EQUIPMENT
 GSR-U
 WITM (DTS)-A

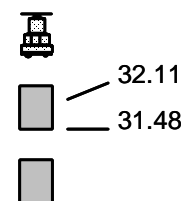
RUN 2

DOWNHOLE EQUIPMENT

LEH-QT 33.28
 LEH-QT 1726

DTC-H 32.39
 ECH-KC 9350
 CTEM
 TelStatus
 ToolStatu

AH-MGT 31.48
 AH-MGT



DSST-B
SPAC-B 18
ECH-SD 18
SMDR-BD 8070
SSIJ-BA 65
SMDX-AA 8026

29.19

PWF — 13.65

AH-TAP
AH-TAP 1

13.65

DTA-A
ECH-KE 8455

11.52

NGT-C
NGD-A 1720
NGH-B 1721
NGC-C 1731
NGCH-A 1733

Detector — 9.92

10.30

MEST-B
MEAH-B 701
MEAC-A 833
MEPH-A 701
GPIC-A 840
MEPC-AB
MEDS-B 702

7.68

MEDR MEAC
MEPC MEDS-B
HV DF
Tension GPIT

0.46

0.00

TOOL ZERO

MAXIMUM STRING DIAMETER 3.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Output DLIS Files

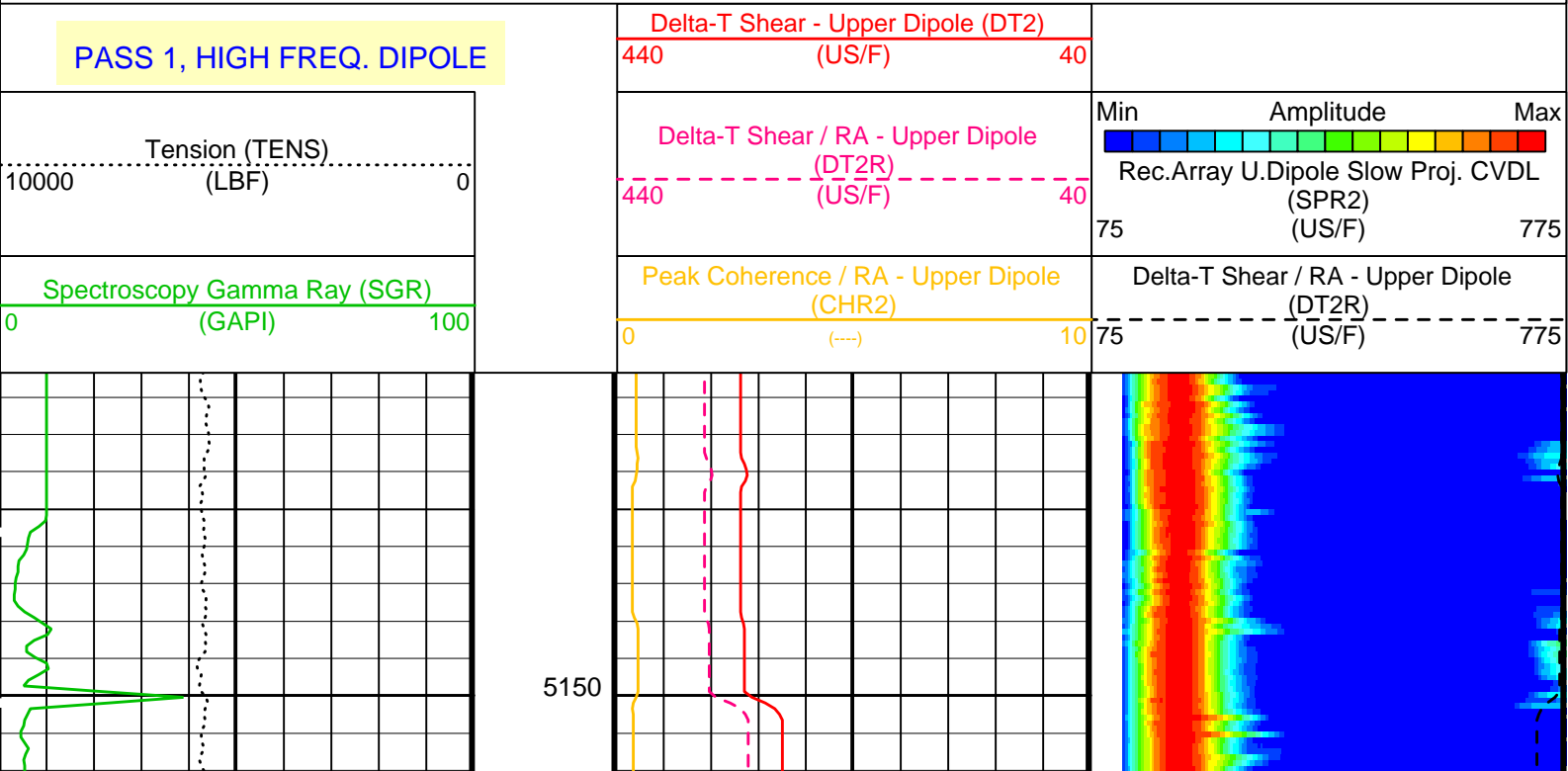
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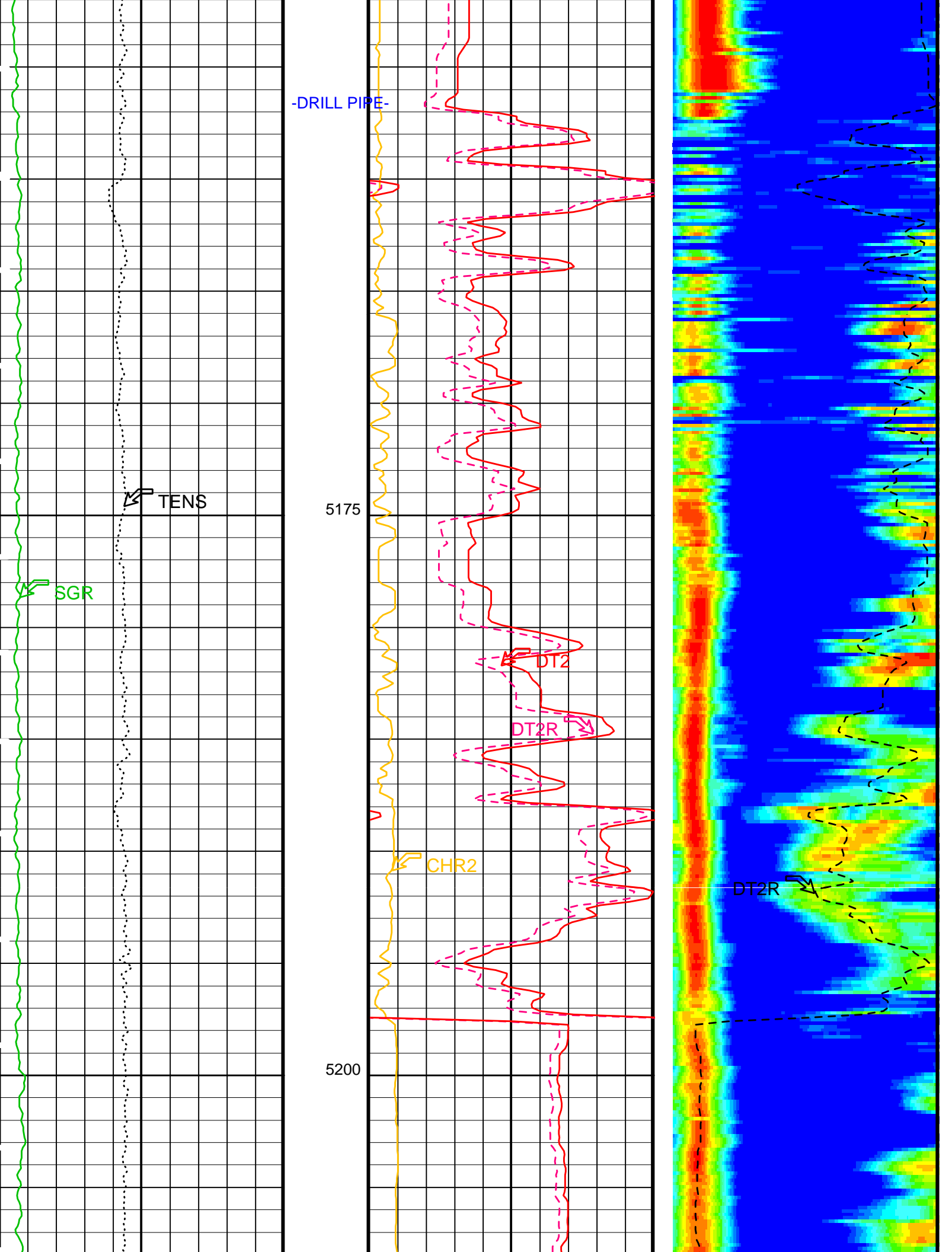
OP System Version: 9C2-303 MCM

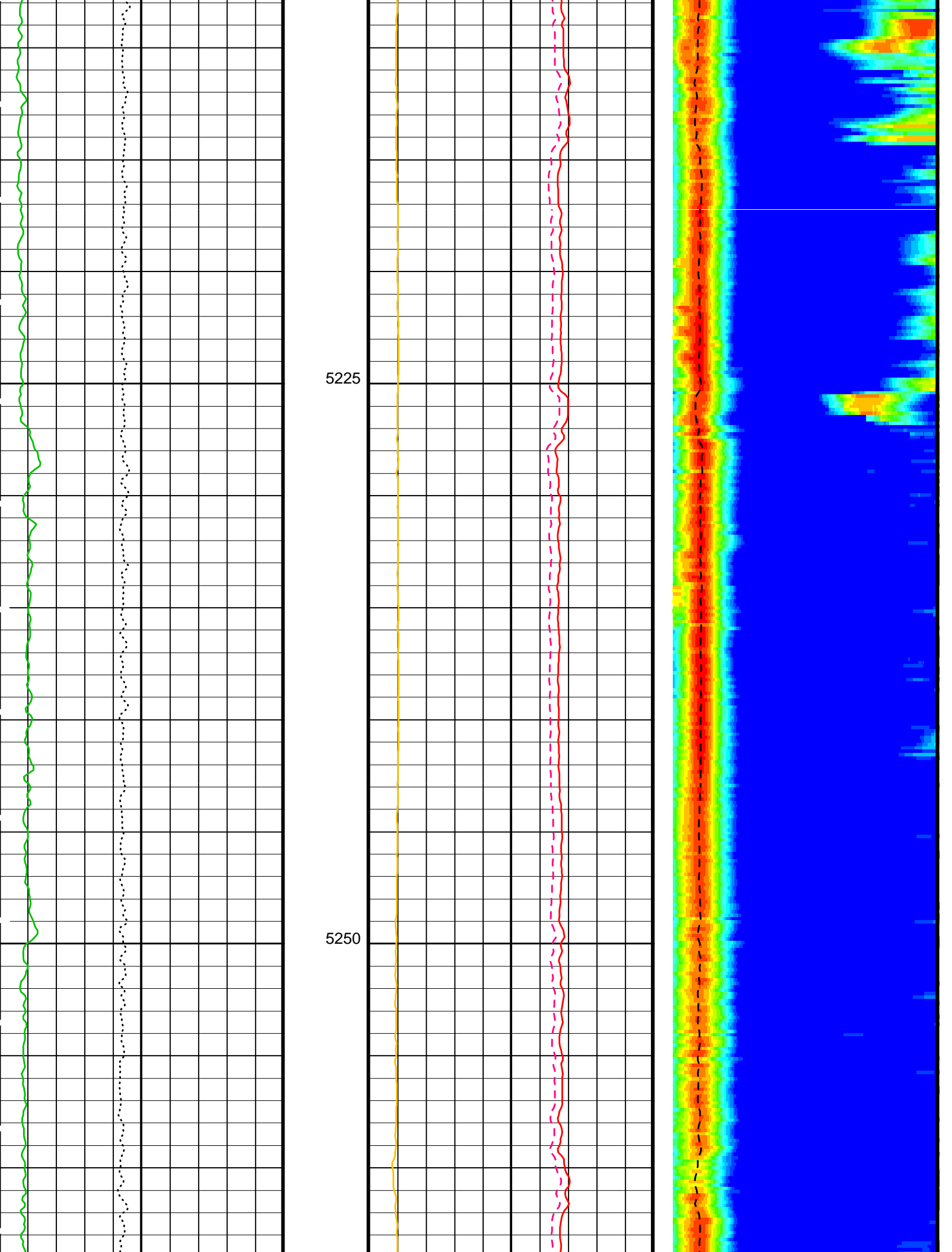
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DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

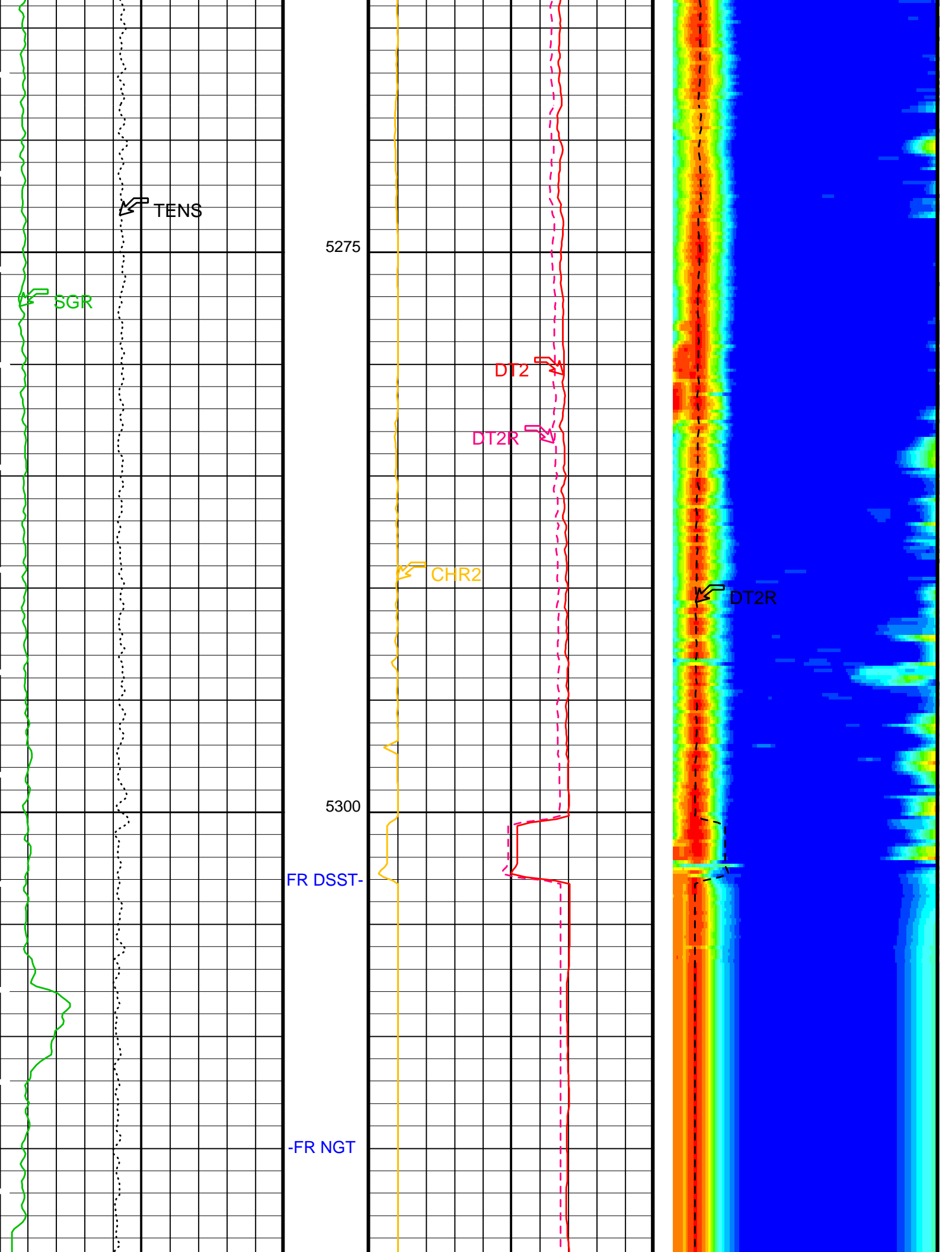
PIP SUMMARY

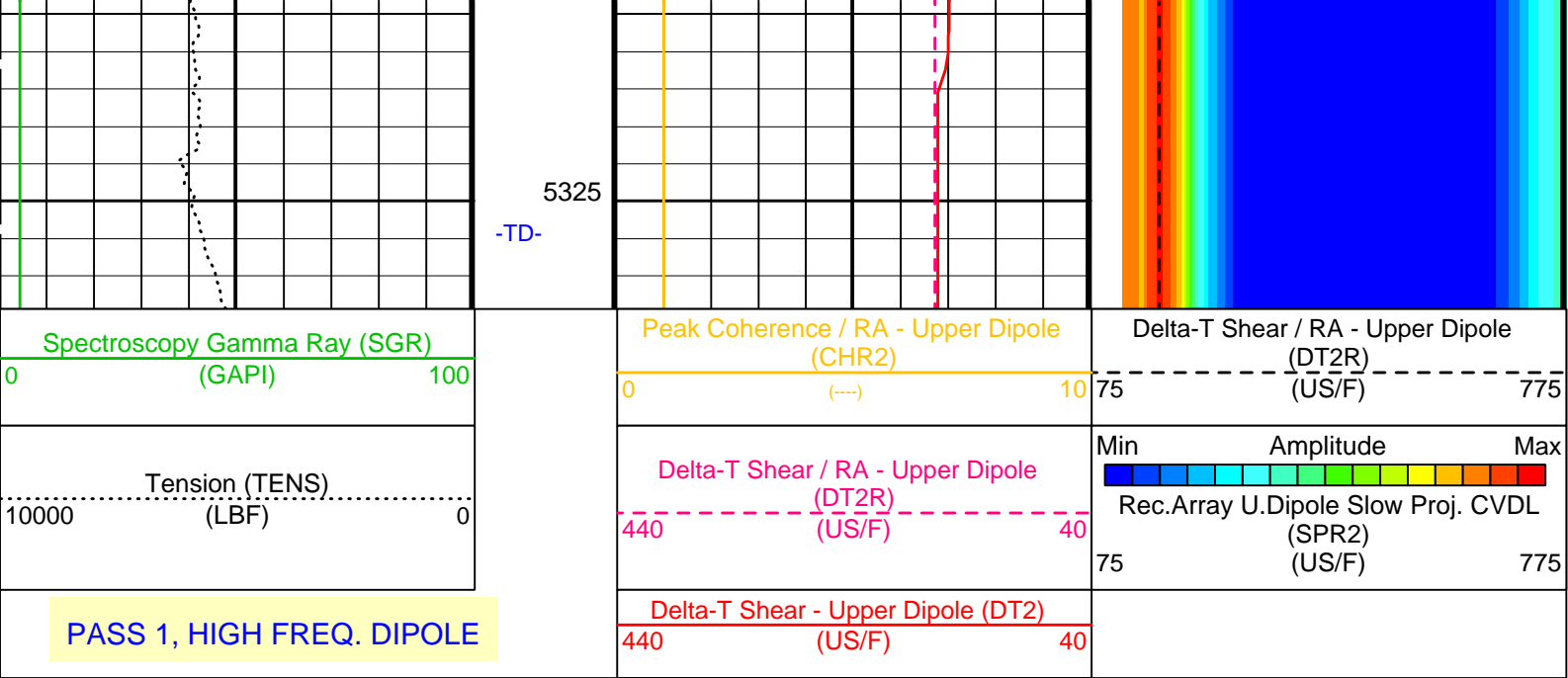
Time Mark Every 60 S











PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
BS	Bit Size	11.438	IN
CBAR	Constant Barite	1	
CGMI	Spectro Computed Gamma Ray Minimum	0	GAPI
CGSH	Spectro Computed Gamma Ray Shale	100	GAPI
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DFD	Drilling Fluid Density	1.07	G/C3
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	120	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	775	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	FMD	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	480	
KMIN	Potassium Minimum	0	
KSHA	Potassium Shale	0.02	
NFO	NGT Filtering Option	KALMAN	
PMUD	Potassium Mud	0	%
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-3K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SLL2	STC Slowness Lower Limit - Upper Dipole	120	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit - Upper Dipole	775	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TMIN	Thorium Minimum	0	PPM
TSHA	Thorium Shale	12	PPM
TST2	STC Time Step - Upper Dipole	200	US
TUL2	STC Time Upper Limit - Upper Dipole	15525	US
TWD2	STC Time Width - Upper Dipole	8000	US

TWDZ	STC Time Width - Upper Dipole	2000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UMIN	Uranium Minimum	0	PPM
USHA	Uranium Shale	3	PPM
UTXG	Upper Dipole Transmitter Geometry	162	IN

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Nov-2001 06:03

OP System Version: 9C2-303			
MCM			
MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		


Output DLIS Files					
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REDUCE	FMS_NGS_DSI_025LUP	FN:38	PRODUCER	26-Nov-2001 06:03	

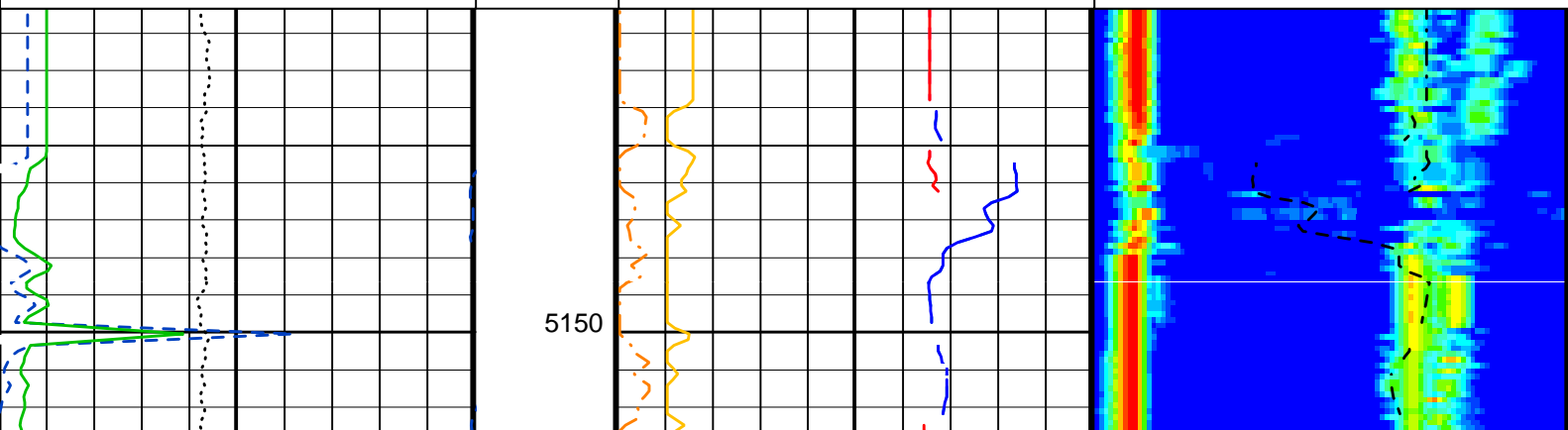
Output DLIS Files					
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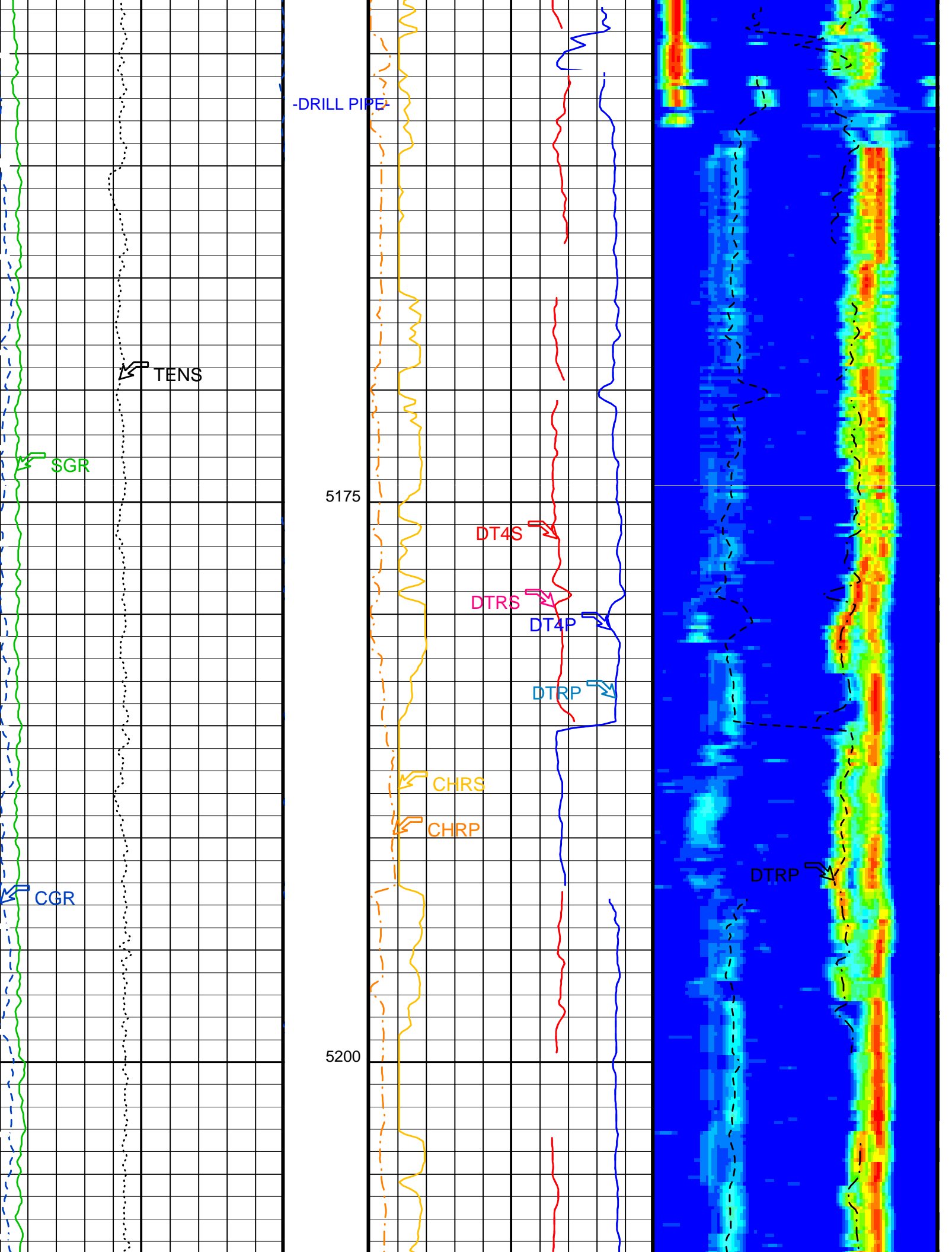
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MCM			
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DTC-H	9C2-303		

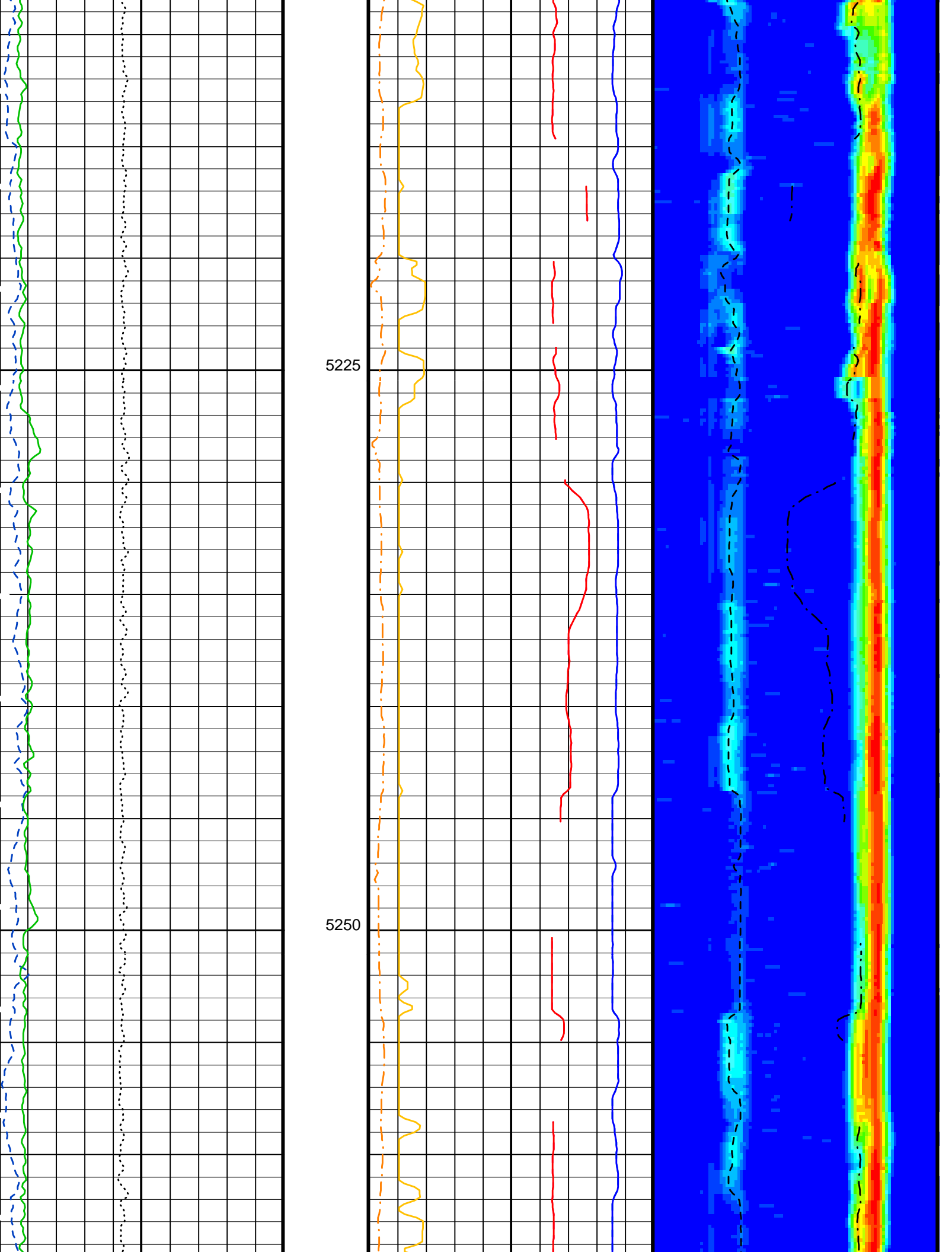
PIP SUMMARY

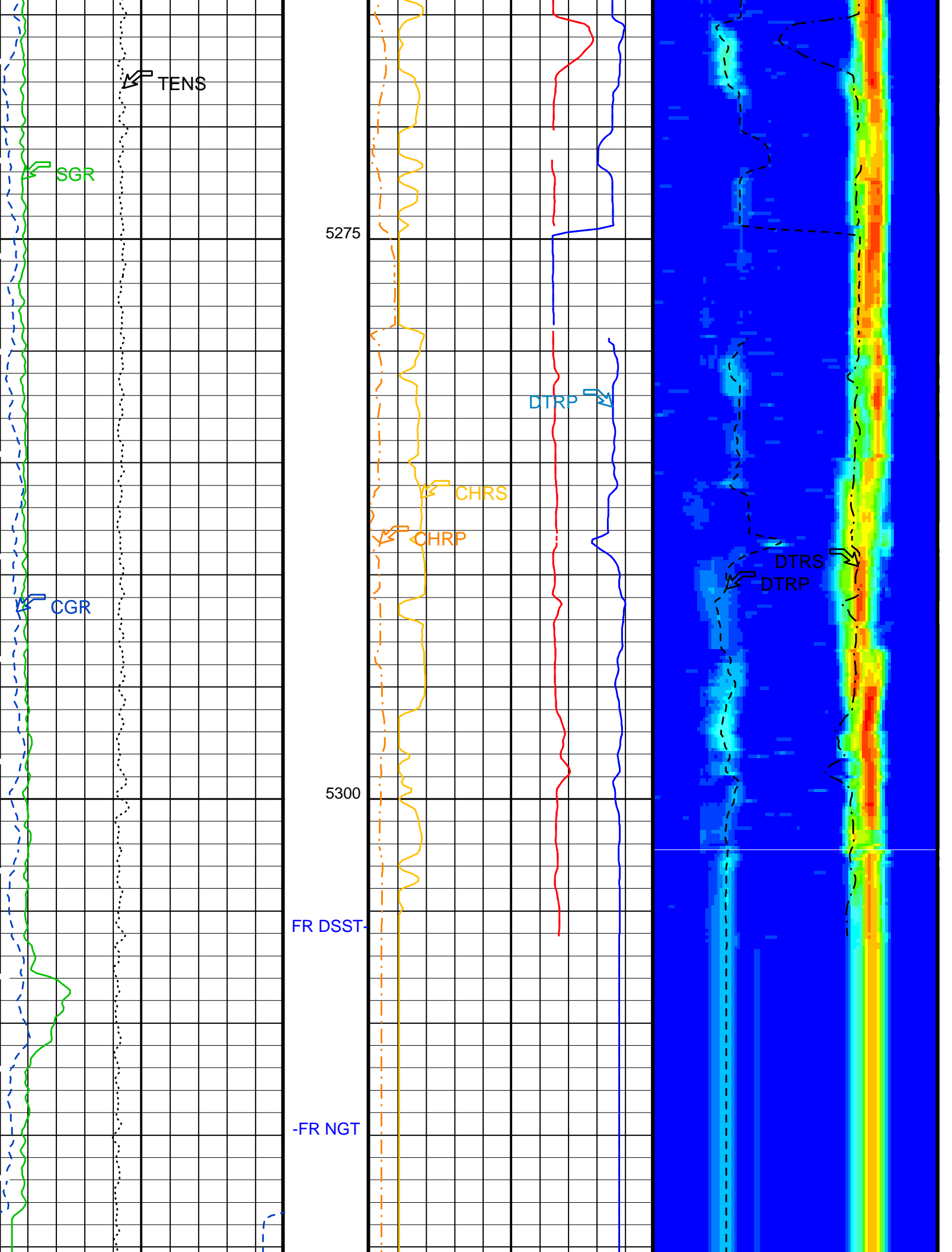
Time Mark Every 60 S

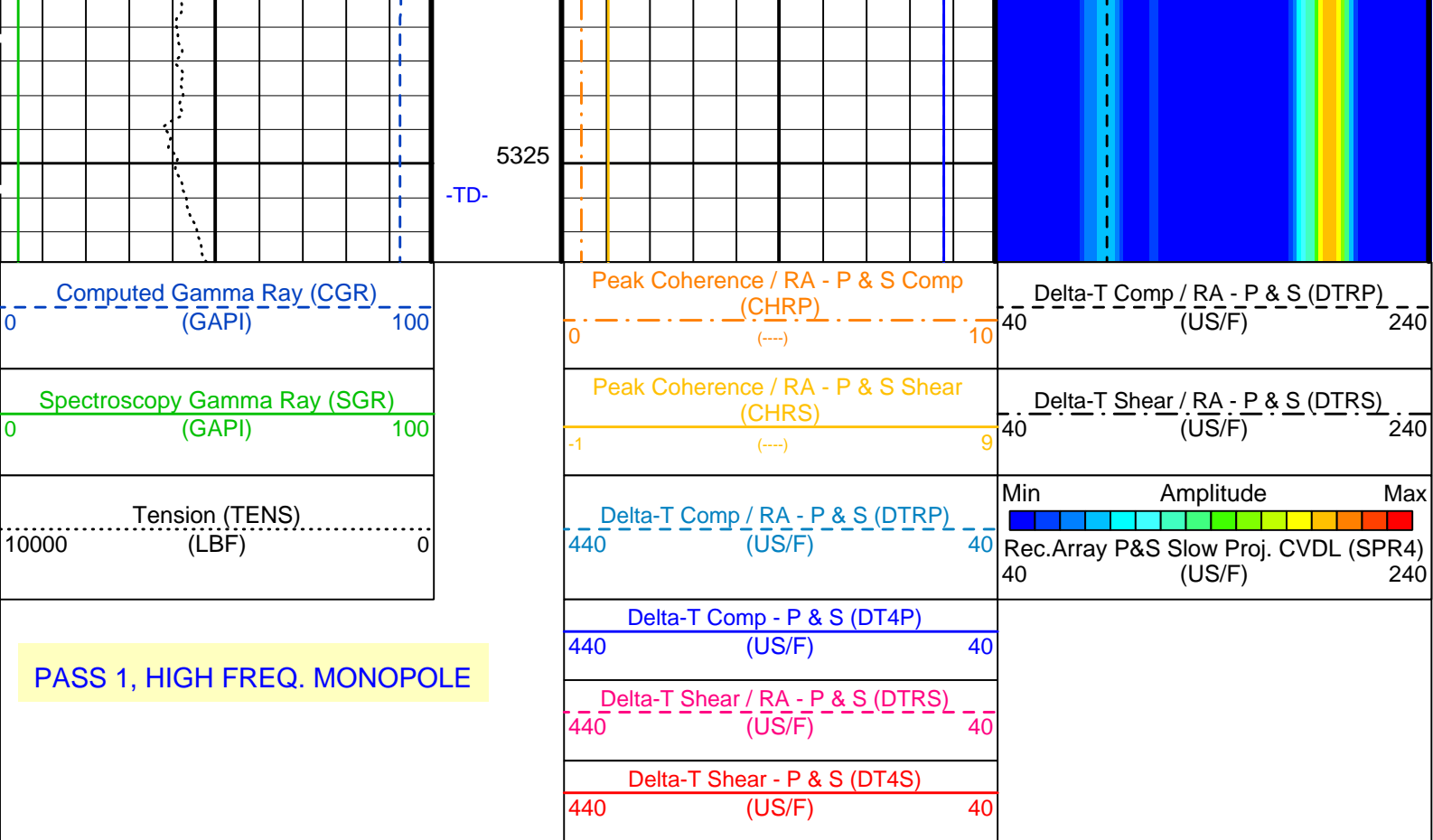
<div style="background-color: yellow; padding: 5px; color: blue; font-weight: bold;">PASS 1, HIGH FREQ. MONOPOLE</div>	Delta-T Shear - P & S (DT4S) 440 (US/F) 40	
	Delta-T Shear / RA - P & S (DTRS) 440 (US/F) 40	
	Delta-T Comp - P & S (DT4P) 440 (US/F) 40	
	Delta-T Comp / RA - P & S (DTRP) 440 (US/F) 40	Min Amplitude Max  Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240
	Peak Coherence / RA - P & S Shear (CHRS) -1 (----) 9	Delta-T Shear / RA - P & S (DTRS) 40 (US/F) 240
	Peak Coherence / RA - P & S Comp (CHRP) 0 (----) 10	Delta-T Comp / RA - P & S (DTRP) 40 (US/F) 240











PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	Borehole Status	OPEN
BS	Bit Size	11.438 IN
CASF	Label Casing Function - Monopole P&S	50
CBAR	Constant Barite	1
CGMI	Spectro Computed Gamma Ray Minimum	0 GAPI
CGSH	Spectro Computed Gamma Ray Shale	100 GAPI
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	80 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	185 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DFD	Drilling Fluid Density	1.07 G/C3
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTF	Delta-T Fluid	189 US/F
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	480
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
KMIN	Potassium Minimum	0
KSHA	Potassium Shale	0.02
LFC	Label Formation Character - Monopole P&S	DYNAMIC
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NFO	NGT Filtering Option	KALMAN
PMUD	Potassium Mud	0 %
RSMN	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.4
RSMX	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM4	DSST Sonic Acquisition Mode 4 - High Frequency Monopole Mode for P&S	EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS4	STC Sonic Array Status - Monopole P&S	255

SAS4	STC Sonic Array Status - Monopole P&S	255	US
SBO4	STC Search Band Offset - Monopole P&S	500	ON
SBR4	STC Baseline Removal - Monopole P&S	2000	US
SBW4	STC Search Bandwidth - Monopole P&S	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	B3-20K	
SFM4	STC Filter - Monopole P&S	0	GAPI
SGMI	Spectro Gamma Ray Minimum	100	GAPI
SGSH	Spectro Gamma Ray Shale	100	US/F
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	185	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	40	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	2	US/F
SST4	STC Slowness Step - Monopole P&S	WF_SAM4	
SSW4	STC Source Waveform - Monopole P&S	180	US/F
STLL	Label Slowness Lower Limit - Monopole Stoneley	780	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	240	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	10	US/F
SWD4	STC Slowness Width - Monopole P&S	300	US
TBF4	STC Time for Baseline Fill - Monopole P&S	150	US
TLL4	STC Time Lower Limit - Monopole P&S	0	PPM
TMIN	Thorium Minimum	12	PPM
TSHA	Thorium Shale	50	US
TST4	STC Time Step - Monopole P&S	3660	US
TUL4	STC Time Upper Limit - Monopole P&S	1000	US
TWD4	STC Time Width - Monopole P&S	500	US
TWI4	STC Integration Time Window - Monopole P&S	0	
TWSX	Transmitter Waveform Select X	0	PPM
UMIN	Uranium Minimum	3	PPM
USHA	Uranium Shale		

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Nov-2001 06:03

OP System Version: 9C2-303			
MCM			
MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

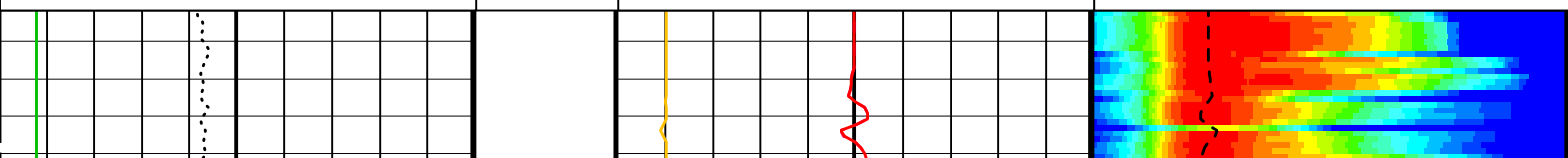
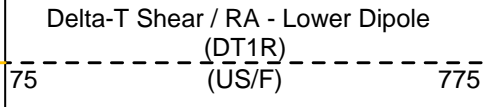
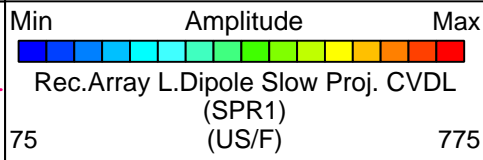
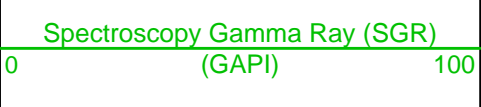
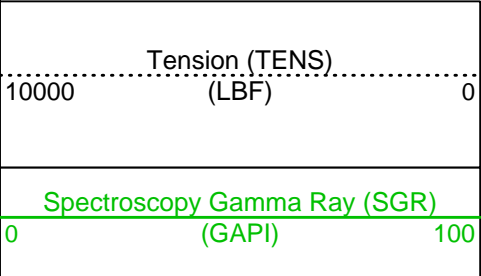
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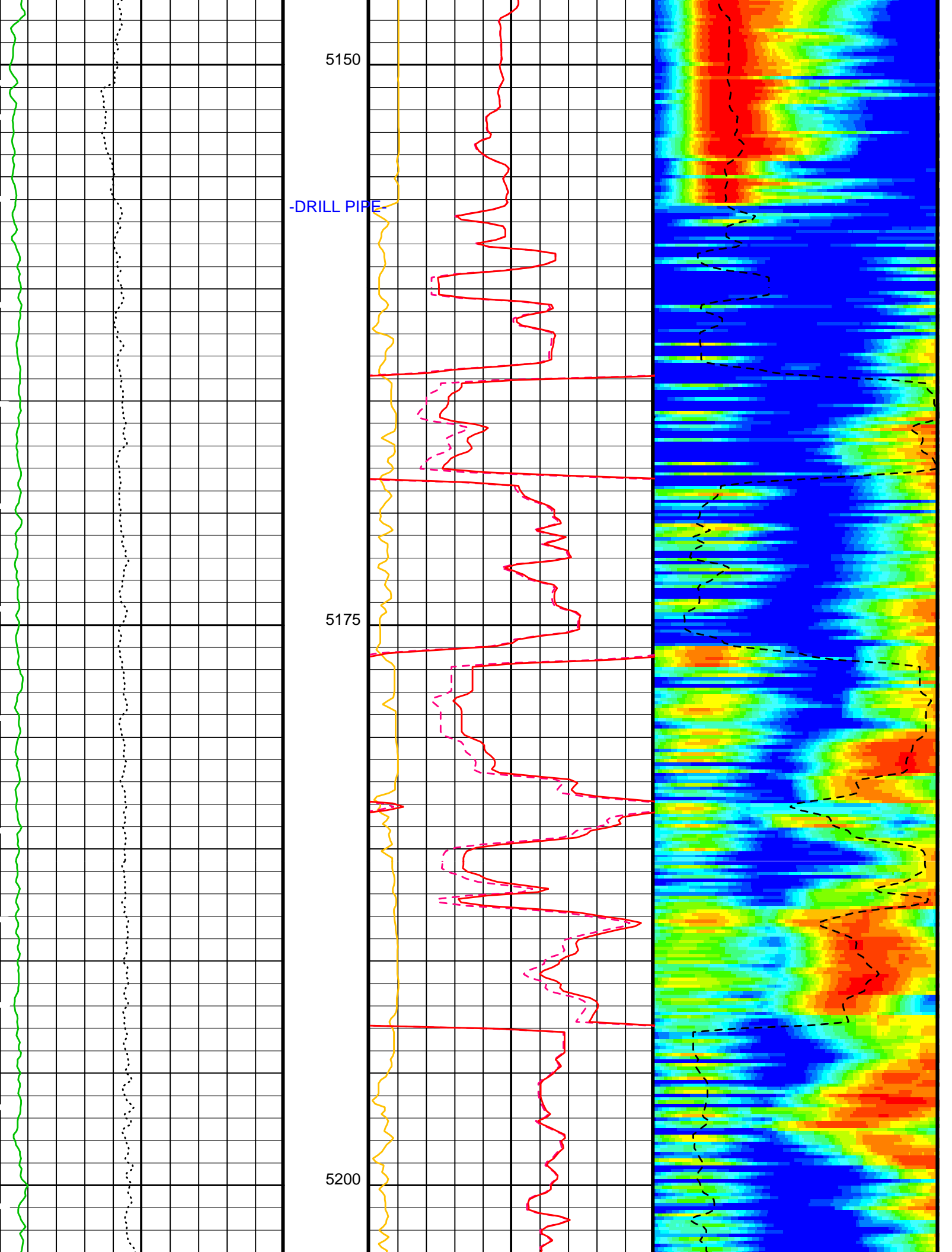
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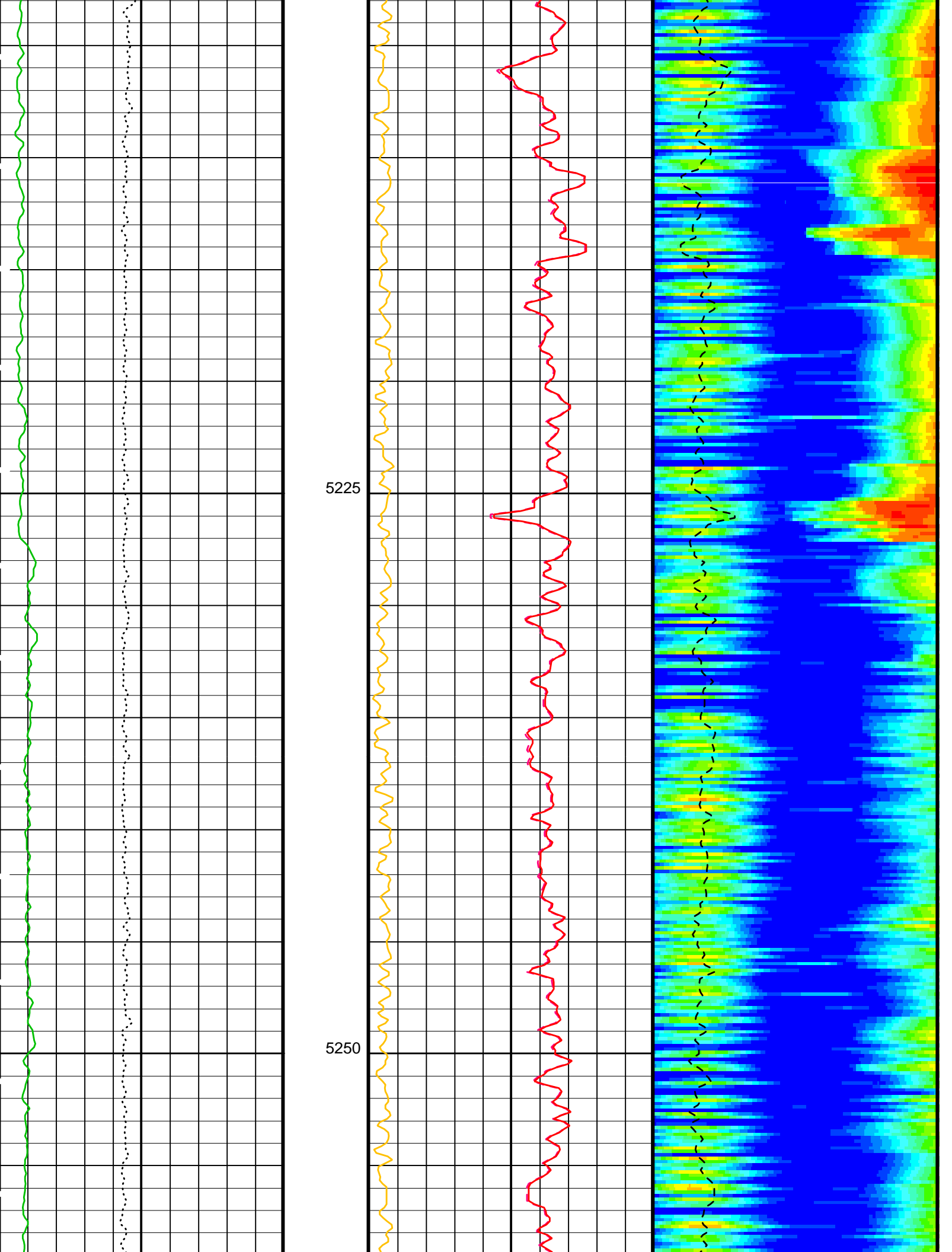
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MCM			
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DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

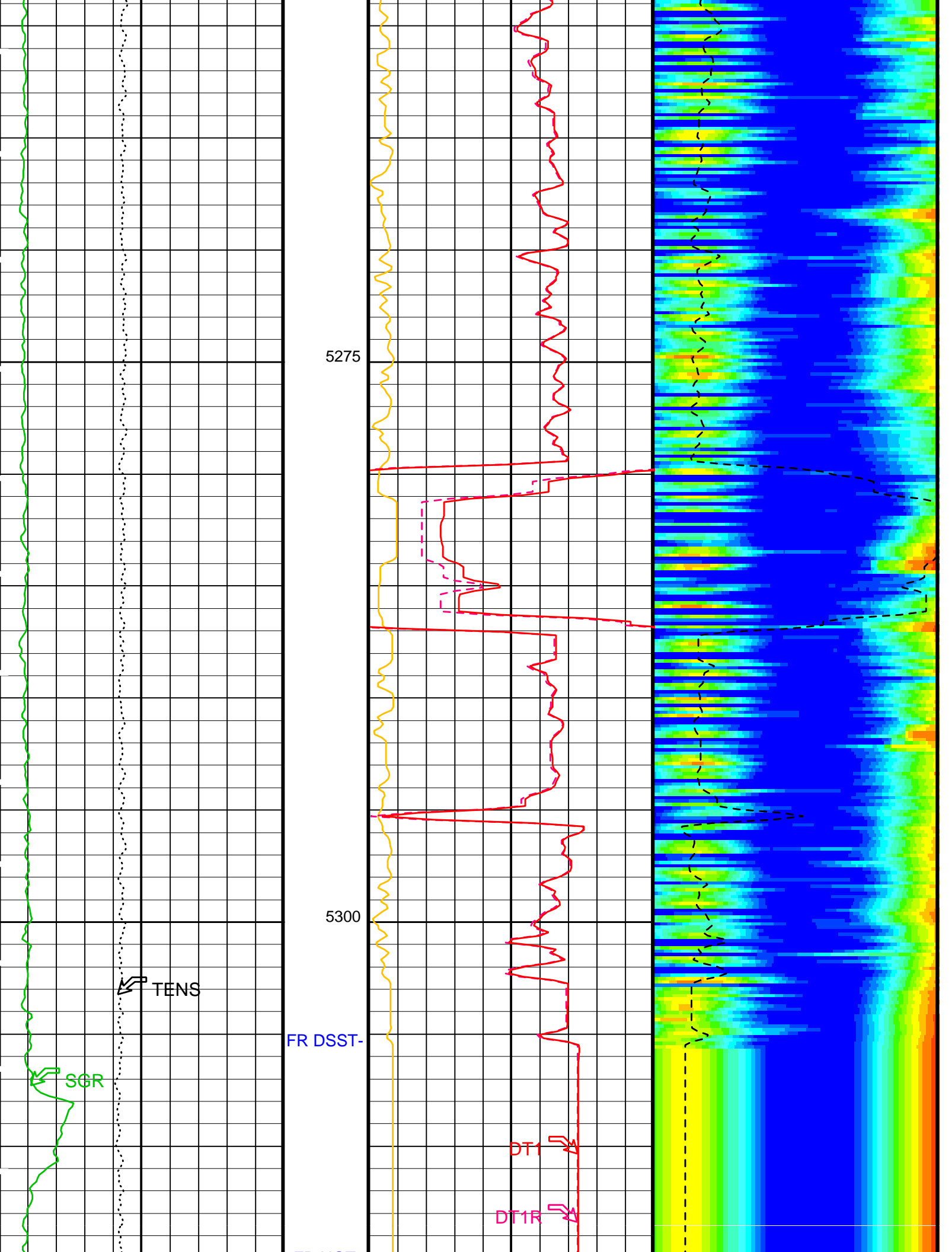
PIP SUMMARY
Time Mark Every 60 S

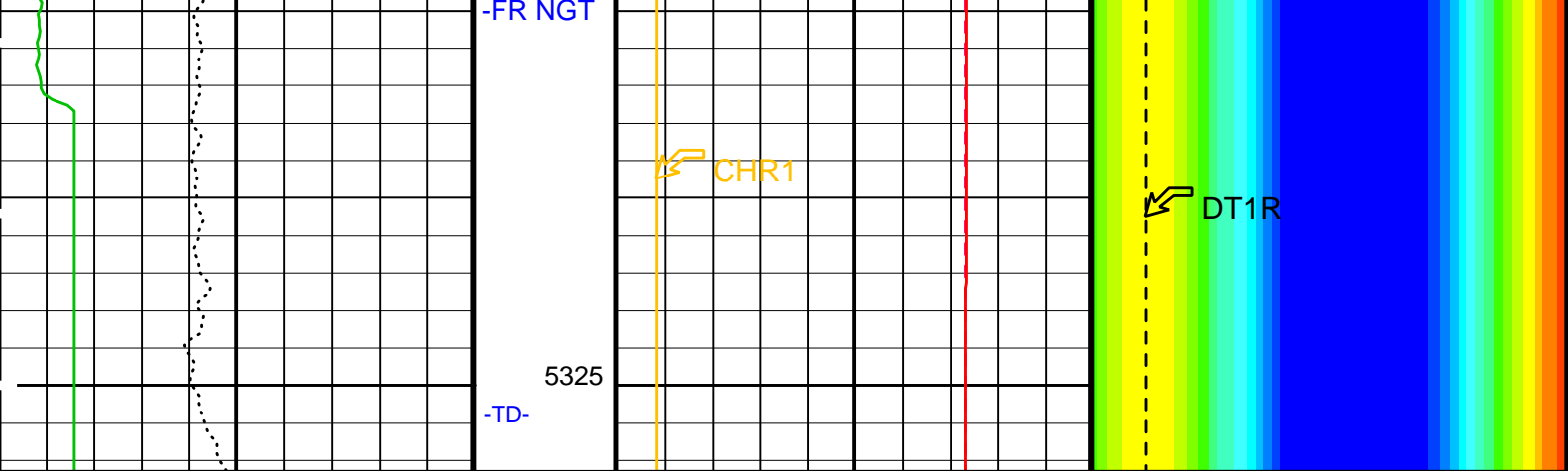
PASS 2, LOW FREQ. DIPOLE	Delta-T Shear - Lower Dipole (DT1)	440 (US/F)	40
	Delta-T Shear / RA - Lower Dipole (DT1R)	440 (US/F)	40
	Peak Coherence / RA - Lower Dipole (CHR1)	0 (----)	10











Spectroscopy Gamma Ray (SGR) (GAPI) 0 to 100	Peak Coherence / RA - Lower Dipole (CHR1) 0 to 10	Delta-T Shear / RA - Lower Dipole (DT1R) 75 to 775 (US/F)
Tension (TENS) (LBF) 10000 to 0	Delta-T Shear / RA - Lower Dipole (DT1R) 440 to 40 (US/F)	Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1) 75 to 775 (US/F)
PASS 2, LOW FREQ. DIPOLE	Delta-T Shear - Lower Dipole (DT1) 440 to 40 (US/F)	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
BS	Bit Size	11.438	IN
CBAR	Constant Barite	1	
CGMI	Spectro Computed Gamma Ray Minimum	0	GAPI
CGSH	Spectro Computed Gamma Ray Shale	100	GAPI
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DFD	Drilling Fluid Density	1.07	G/C3
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	120	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	775	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	FMD	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	480	
KMIN	Potassium Minimum	0	
KSHA	Potassium Shale	0.02	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NFO	NGT Filtering Option	KALMAN	
PMUD	Potassium Mud	0	%
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SLL1	STC Slowness Lower Limit - Lower Dipole	75	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit - Lower Dipole	775	US/F

SWD1	STC Slowness Width - Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TMIN	Thorium Minimum	0	PPM
TSHA	Thorium Shale	12	PPM
TST1	STC Time Step - Lower Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	15912.5	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UMIN	Uranium Minimum	0	PPM
USHA	Uranium Shale	3	PPM

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Nov-2001 06:56

OP System Version: 9C2-303			
MCM			
MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

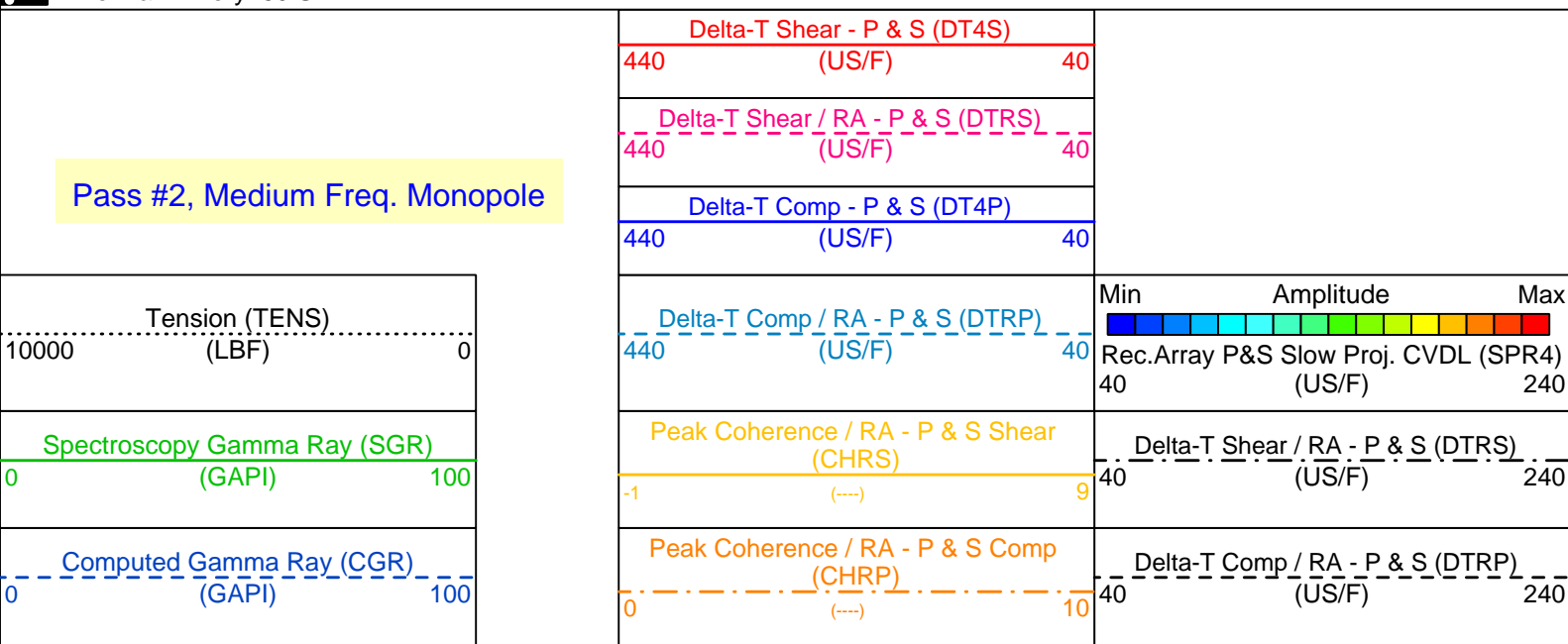
Output DLIS Files					
DEFAULT	FMS_NGS_DSI_026LUP	FN:39	PRODUCER	26-Nov-2001 06:56	
REDUCE	FMS_NGS_DSI_026LUP	FN:40	PRODUCER	26-Nov-2001 06:56	

Output DLIS Files					
DEFAULT	FMS_NGS_DSI_026LUP	FN:39	PRODUCER	26-Nov-2001 06:56	5327.3 M 5143.2 M
REDUCE	FMS_NGS_DSI_026LUP	FN:40	PRODUCER	26-Nov-2001 06:56	5327.3 M 5143.2 M

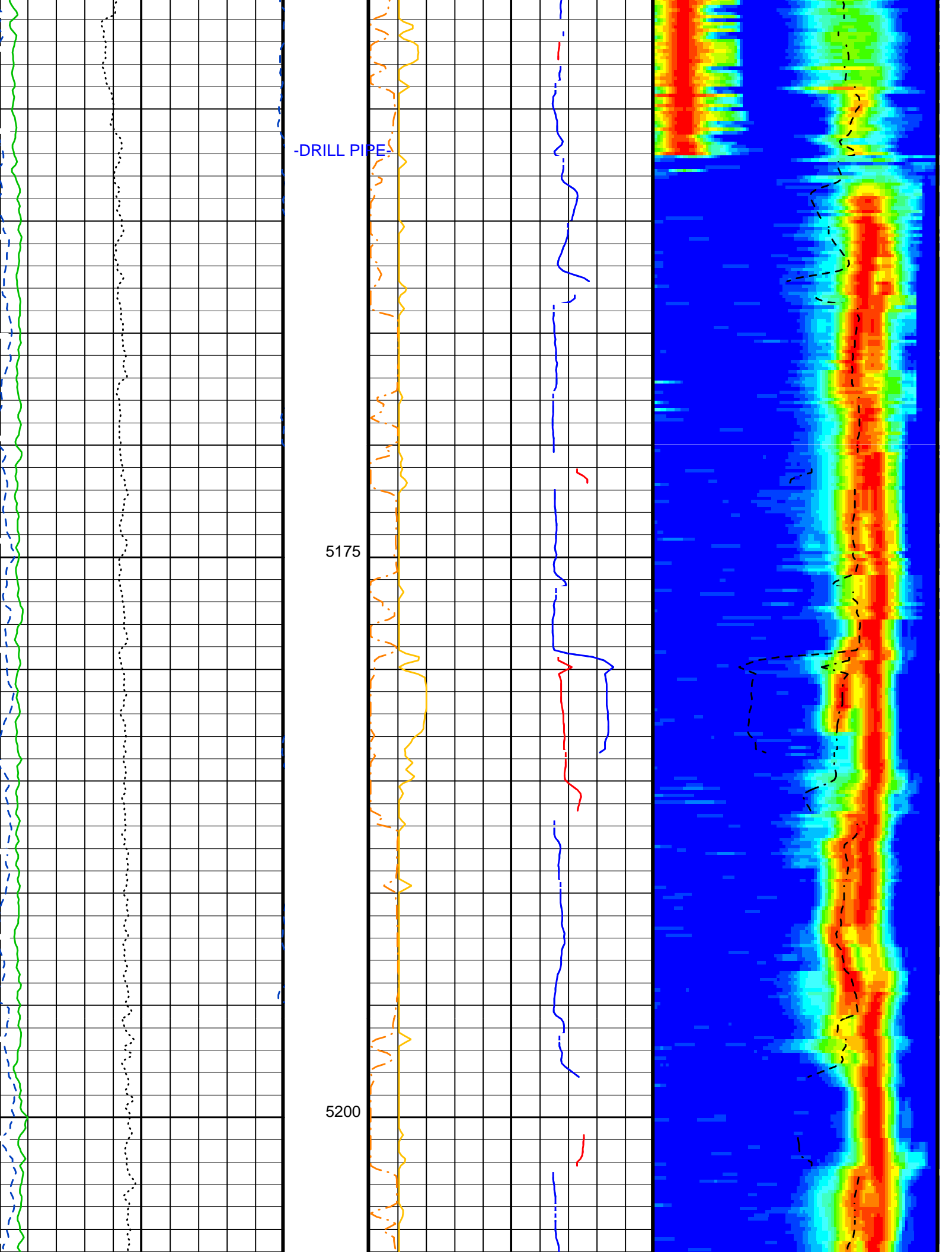
OP System Version: 9C2-303			
MCM			
MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

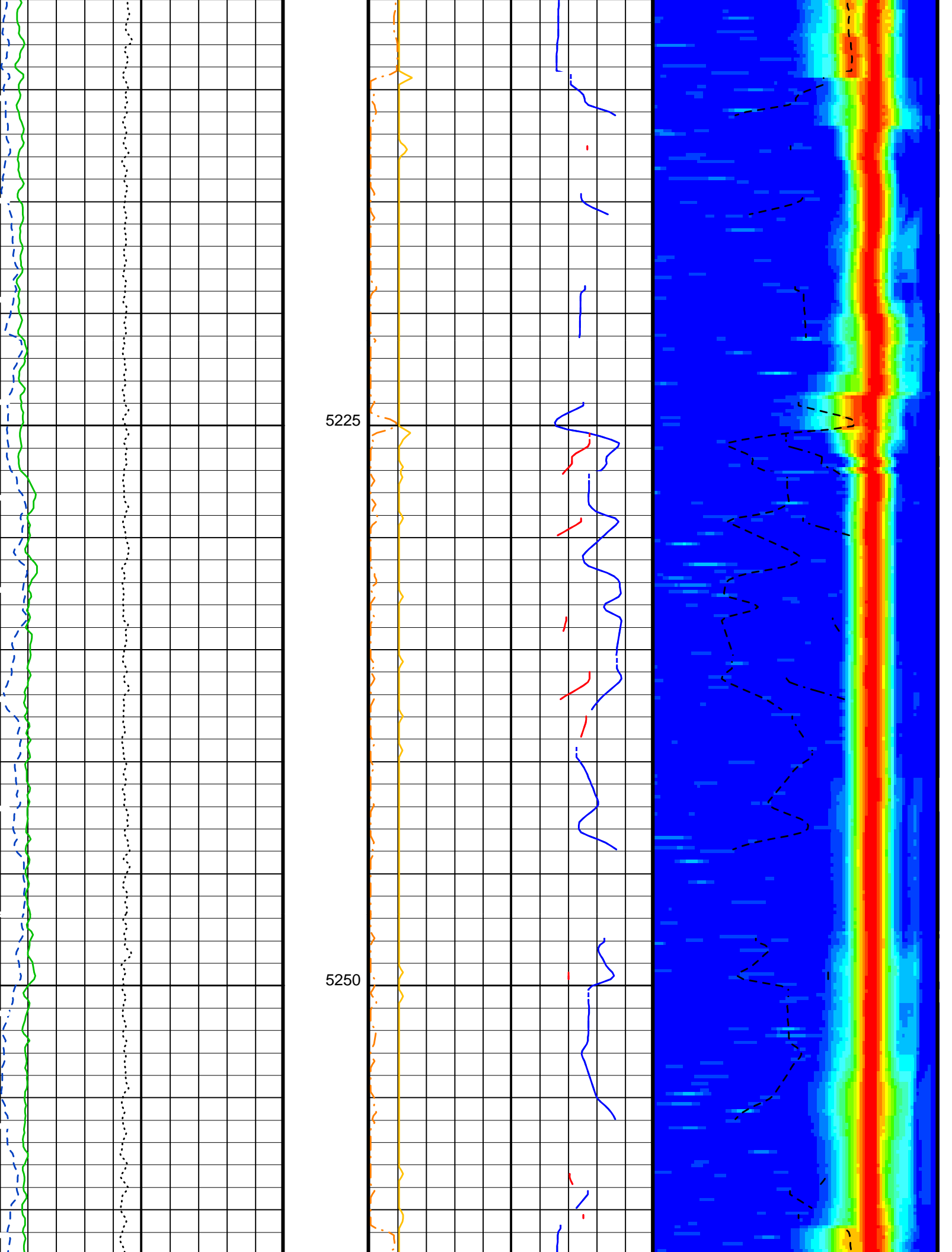
PIP SUMMARY

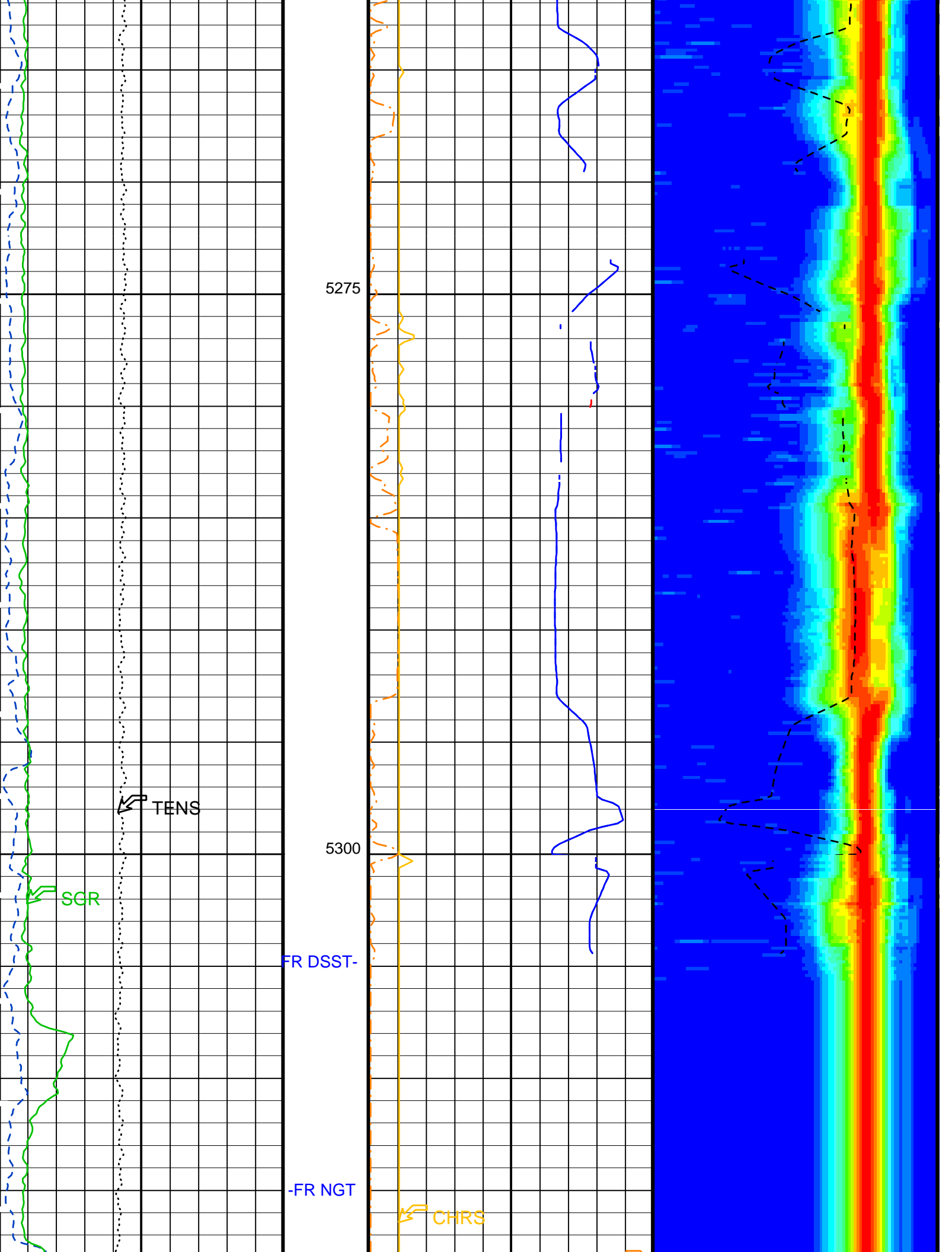
Time Mark Every 60 S

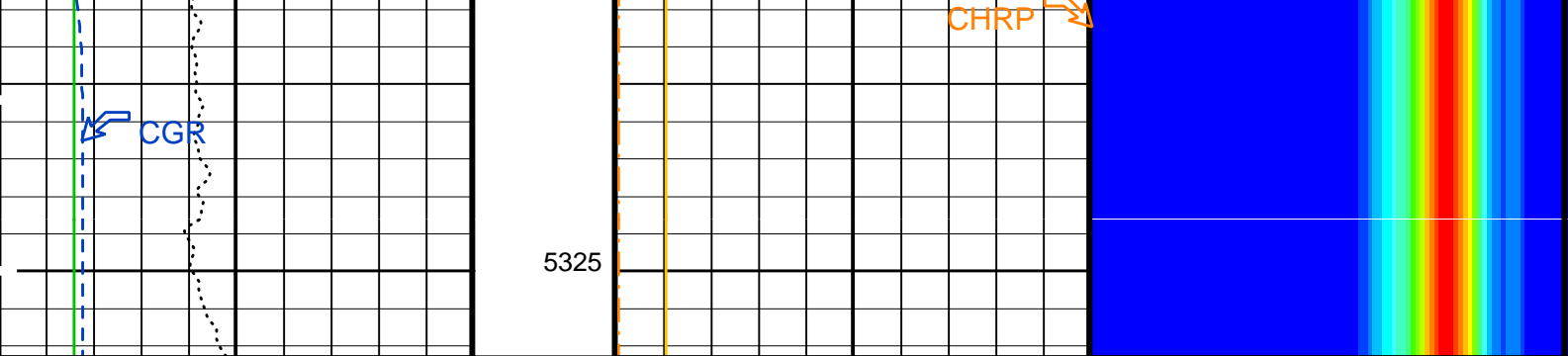


5150









Computed Gamma Ray (CGR) (GAPI)	Peak Coherence / RA - P & S Comp (CHRP)	Delta-T Comp / RA - P & S (DTRP) (US/F)
Spectroscopy Gamma Ray (SGR) (GAPI)	Peak Coherence / RA - P & S Shear (CHRS)	Delta-T Shear / RA - P & S (DTRS) (US/F)
Tension (TENS) (LBF)	Delta-T Comp / RA - P & S (DTRP) (US/F)	Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)
Pass #2, Medium Freq. Monopole	Delta-T Comp - P & S (DT4P) (US/F)	
	Delta-T Shear / RA - P & S (DTRS) (US/F)	
	Delta-T Shear - P & S (DT4S) (US/F)	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	Borehole Status	OPEN
BS	Bit Size	11.438 IN
CASF	Label Casing Function - Monopole P&S	50
CBAR	Constant Barite	1
CGMI	Spectro Computed Gamma Ray Minimum	0 GAPI
CGSH	Spectro Computed Gamma Ray Shale	100 GAPI
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	80 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	185 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DFD	Drilling Fluid Density	1.07 G/C3
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTF	Delta-T Fluid	189 US/F
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	480
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
KMIN	Potassium Minimum	0
KSHA	Potassium Shale	0.02
LFC	Label Formation Character - Monopole P&S	DYNAMIC
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NFO	NGT Filtering Option	KALMAN
PMUD	Potassium Mud	0 %
RSMN	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.4
RSMX	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM4	DSST Sonic Acquisition Mode 4 - High Frequency Monopole Mode for P&S	MFD_EVFN

Parameter	Description	Value	Units
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM4	STC Filter - Monopole P&S	B3-12K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	100	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	185	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
SSW4	STC Source Waveform - Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit - Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TMIN	Thorium Minimum	0	PPM
TSHA	Thorium Shale	12	PPM
TST4	STC Time Step - Monopole P&S	50	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UMIN	Uranium Minimum	0	PPM
USHA	Uranium Shale	3	PPM

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Nov-2001 06:56

OP System Version: 9C2-303

MCM

MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

Output DLIS Files

DEFAULT	FMS_NGS_DSI_026LUP	FN:39	PRODUCER	26-Nov-2001 06:56
REDUCE	FMS_NGS_DSI_026LUP	FN:40	PRODUCER	26-Nov-2001 06:56

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner - B (Slim) Wellsite Calibration - Caliper Calibration							
Before: 26-Nov-2001 2:03							
Caliper 1 Zero Measurement	8.000	N/A	8.650	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	8.000	N/A	8.543	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	12.00	N/A	12.60	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	12.00	N/A	12.56	N/A	N/A	N/A	IN
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 26-Nov-2001 1:54							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 26-Nov-2001 1:54							
TEMPERATURE REFERENCE :	N/A	N/A	25	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	91	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	5	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	98	N/A	N/A	N/A	
Natural Gamma Spectroscopy - C Wellsite Calibration - Background Measurement							
Master: 8-Nov-2001 23:02 Before: 8-Nov-2001 23:08							
WINDOW 1 Background	100.0	16.26	16.60	N/A	N/A	100.0	CPS
WINDOW 2 Background	50.00	4.081	4.112	N/A	N/A	50.00	CPS
WINDOW 3 Background	10.00	1.035	0.9849	N/A	N/A	10.00	CPS
WINDOW 4 Background	6.000	0.2801	0.3478	N/A	N/A	6.000	CPS

WINDOW 5 Background	10.00	0.4701	0.4333	N/A	N/A	10.00	CPS
SGR Background	30.00	5.788	5.880	N/A	N/A	N/A	GAPI

Natural Gamma Spectroscopy - C Wellsite Calibration - Normalized Jig Measurement

Master: 8-Nov-2001 22:56 Before: 8-Nov-2001 23:13

WINDOW 1 Jig	376.0	382.9	377.6	N/A	N/A	22.56	CPS
WINDOW 2 Jig	167.0	169.0	170.3	N/A	N/A	10.02	CPS
WINDOW 3 Jig	24.00	24.22	24.13	N/A	N/A	1.440	CPS
WINDOW 4 Jig	14.00	13.87	13.80	N/A	N/A	2.800	CPS
WINDOW 5 Jig	22.50	23.09	22.76	N/A	N/A	4.500	CPS
SGR Jig	160.0	161.2	160.0	N/A	N/A	7.000	GAPI

The NGT PCSL Value is set to -12.043 KEV

Micro Electrical Scanner - B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde - B	MEDS - B	702
MEST Preamplifier Cartridge - AB	MEPC - AB	
GPIT Cartridge - A	GPIC - A	840
MEST Acquisition Cartridge - A	MEAC - A	833

Auxiliary Equipment:

MEST-B Preamplifier Cartridge Housing	MEPH - A	701
MEST Acquisition Cartridge Housing (Slim)	MEAH - B	701

Natural Gamma Spectroscopy - C / Equipment Identification

Primary Equipment:

NGT Cartridge	NGC - C	1731
NGT Sonde	NGD - A	1720

Auxiliary Equipment:

NGT Cartridge Housing	NGCH - A	1733
NGT Sonde Housing	NGH - B	1721
Gamma Source Radioactive	GSR - U	

Natural Gamma Spectroscopy - C Wellsite Calibration

Background Measurement

Phase	WINDOW 1 Background CPS	Value	Phase	WINDOW 2 Background CPS	Value	Phase	WINDOW 3 Background CPS	Value
Master		16.26	Master		4.081	Master		1.035
Before		16.60	Before		4.112	Before		0.9849
	0 (Minimum) 100.0 (Nominal) 400.0 (Maximum)			0 (Minimum) 50.00 (Nominal) 200.0 (Maximum)			0 (Minimum) 10.00 (Nominal) 40.00 (Maximum)	
Phase	WINDOW 4 Background CPS	Value	Phase	WINDOW 5 Background CPS	Value	Phase	SGR Background GAPI	Value
Master		0.2801	Master		0.4701	Master		5.788
Before		0.3478	Before		0.4333	Before		5.880
	0 (Minimum) 6.000 (Nominal) 24.00 (Maximum)			0 (Minimum) 10.00 (Nominal) 40.00 (Maximum)			0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)	

Master: 8-Nov-2001 23:02

Before: 8-Nov-2001 23:08

Natural Gamma Spectroscopy - C Wellsite Calibration

Normalized Jig Measurement

Phase	WINDOW 1 Jig CPS	Value	Phase	WINDOW 2 Jig CPS	Value	Phase	WINDOW 3 Jig CPS	Value
Master		382.9	Master		169.0	Master		24.22
Before		377.6	Before		170.3	Before		24.13
	354.0 (Minimum) 376.0 (Nominal) 398.0 (Maximum)			155.0 (Minimum) 167.0 (Nominal) 179.0 (Maximum)			21.50 (Minimum) 24.00 (Nominal) 26.50 (Maximum)	
Phase	WINDOW 4 Jig CPS	Value	Phase	WINDOW 5 Jig CPS	Value	Phase	SGR Jig GAPI	Value
Master		13.87	Master		23.09	Master		161.2
Before		13.80	Before		22.76	Before		160.0
	12.50 (Minimum) 14.00 (Nominal) 15.50 (Maximum)			20.00 (Minimum) 22.50 (Nominal) 25.00 (Maximum)			148.0 (Minimum) 160.0 (Nominal) 172.0 (Maximum)	

Natural Gamma Spectroscopy - C Wellsite Calibration					
Quality Control Values					
Phase	DHVF Jig V	Value	Phase	Quality Windows Ratio Jig	Value
Master		1351	Master		2.266
Before		1350	Before		2.217
	1088 (Minimum) 1450 (Nominal) 1813 (Maximum)			2.150 (Minimum) 2.240 (Nominal) 2.330 (Maximum)	

Natural Gamma Spectroscopy - C Wellsite Calibration		
Quality Control Values Check		
Phase	Thorium peak Form Factor Jig	Value
Before		0.06876
	-0.2000 (Minimum) 0 (Nominal) 0.2000 (Maximum)	

COMPANY: Lamont Doherty WELL: ODP Leg 199, Site 1219 A (PAT-17C) FIELD: Ocean: Pacific	BOTTOM LOG INTERVAL	5304 m
	SCHLUMBERGER DEPTH	5326 m
	DEPTH DRILLER	5325 m
	KELLY BUSHING	11.3 m
	DRILL FLOOR	11 m
	GROUND LEVEL	-5075 m



DSST
 Dipole Shear, Monopole Comp.
 Natural Gamma Ray