

DEPTH SUMMARY LISTING

Date Created: 15-JUL-2009 16:02:45

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-JA Serial Number: 6726 Calibration Date: 3-Apr-2009 Calibrator Serial Number: 17 Calibration Cable Type: 7-46A XXS Wheel Correction 1: -6 Wheel Correction 2: -6	Type: CMTD-B/A Serial Number: 2986 Calibration Date: 16-Apr-2009 Calibrator Serial Number: 1049 Number of Calibration Points: 10 Calibration RMS: 373 Calibration Peak Error: 499	Type: 7-46A XXS Serial Number: 6019 Length: 9200 M <hr/> Conveyance Method: Wireline Rig Type: Offshore Floater with WMC

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	EMS-HRLA-TLD-CNL-GR-SP
Reference Log Run Number:	1
Reference Log Date:	11-Jul-2009

Depth Control Remarks

1. Schlumberger Depth Control Policy followed.
2. IDW used as primary depth control device.
3. Z-Chart used as secondary depth control device.
4. Tide level = 0 m.
- 5.
- 6.

DISCLAIMER

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OTHER SERVICES1

- OS1: EMS-HRLA-TLD-CNL-GR-SF
- OS2: MDT Dual Packer & Single Probe
- OS3:
- OS4:
- OS5:

REMARKS: RUN NUMBER 1

- This is the subsequence run in the well.
- The depth correlated with EMS-HRLA-TLD-CNL-GR-SP log on 11-Jul-09.
- Tool ran as per tool sketch and 2.5 inch standoffs used.
- Maximum recorded temperature from logging head thermometers = 33.89 degC.
- Maximum deviation = 0.70 deg @ 2749.79mBRT.
- Logging speed was 1,000 ft/hr.
- Repeat section was taken from 2900.0m - 2850.0m as per client request.

Repeat section was taken from 2009. Location as per client request.

Some of data affected by borehole condition (rugosity/washout).

Circulation Started: 11-Jul-2009; 1:45am

Circulation Stopped: 11-Jul-2009; 5:30am

AV=55 cps, PV=35 cps, YV=40 lb/100ft2, Gel=7-8 lb/100ft2, WL=4.1 ml, MC=0.5 mm

pH=10.6 ml, Pf=0.2 ml, Pm=0.3 ml, Mf=0.3 ml, Cl=-71,700 mg/l, Ca++Mg++=80/97 mg/l, Sand = 0.2%

O/S/W=0/6/94 %Vol, MBC=0.5 ml/ml mud, K+=26,400 mg/l

RUN 1			RUN 2		
SERVICE ORDER #:		ADVO-0003	SERVICE ORDER #:		
PROGRAM VERSION:		17C0-154	PROGRAM VERSION:		
FLUID LEVEL:		10 m	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

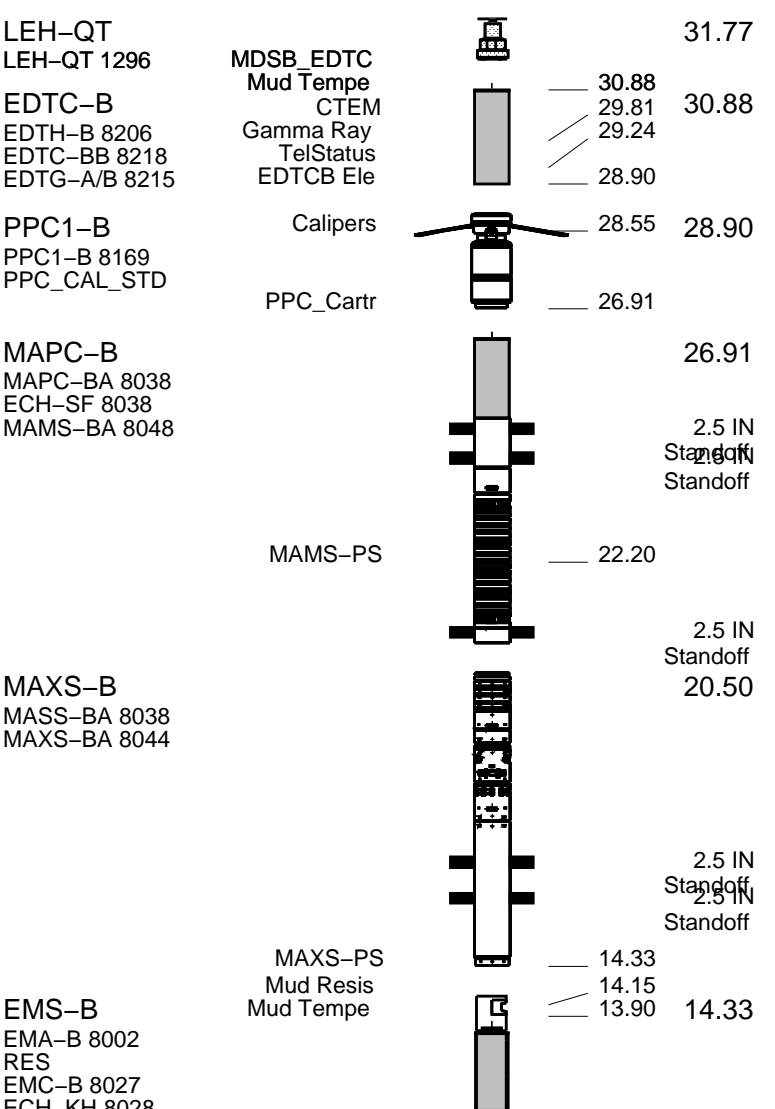
EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

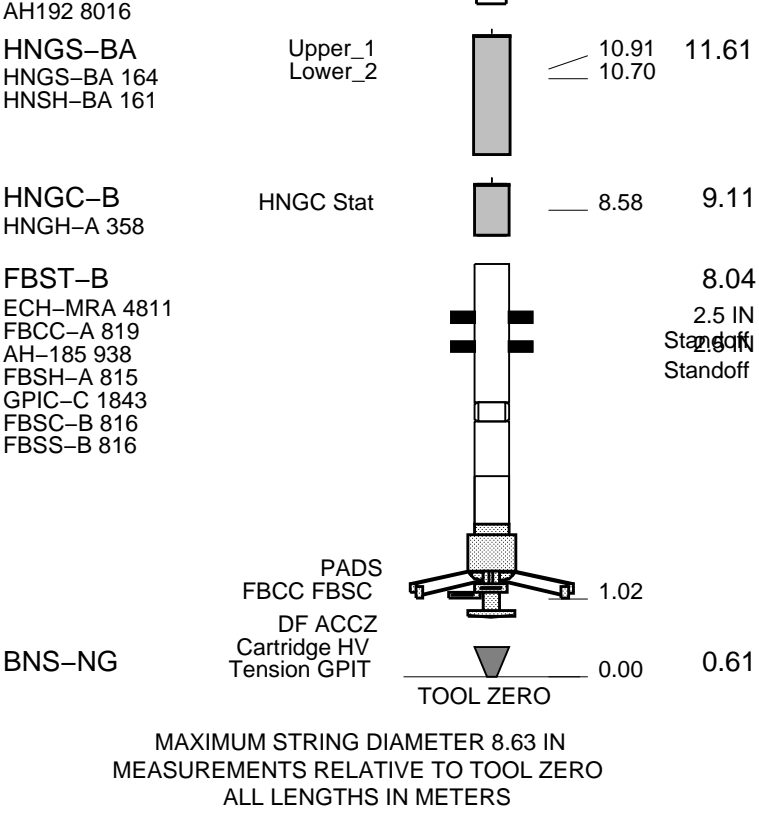
GSR-Y 1005
WITM (EDTS)-A

DOWNHOLE EQUIPMENT



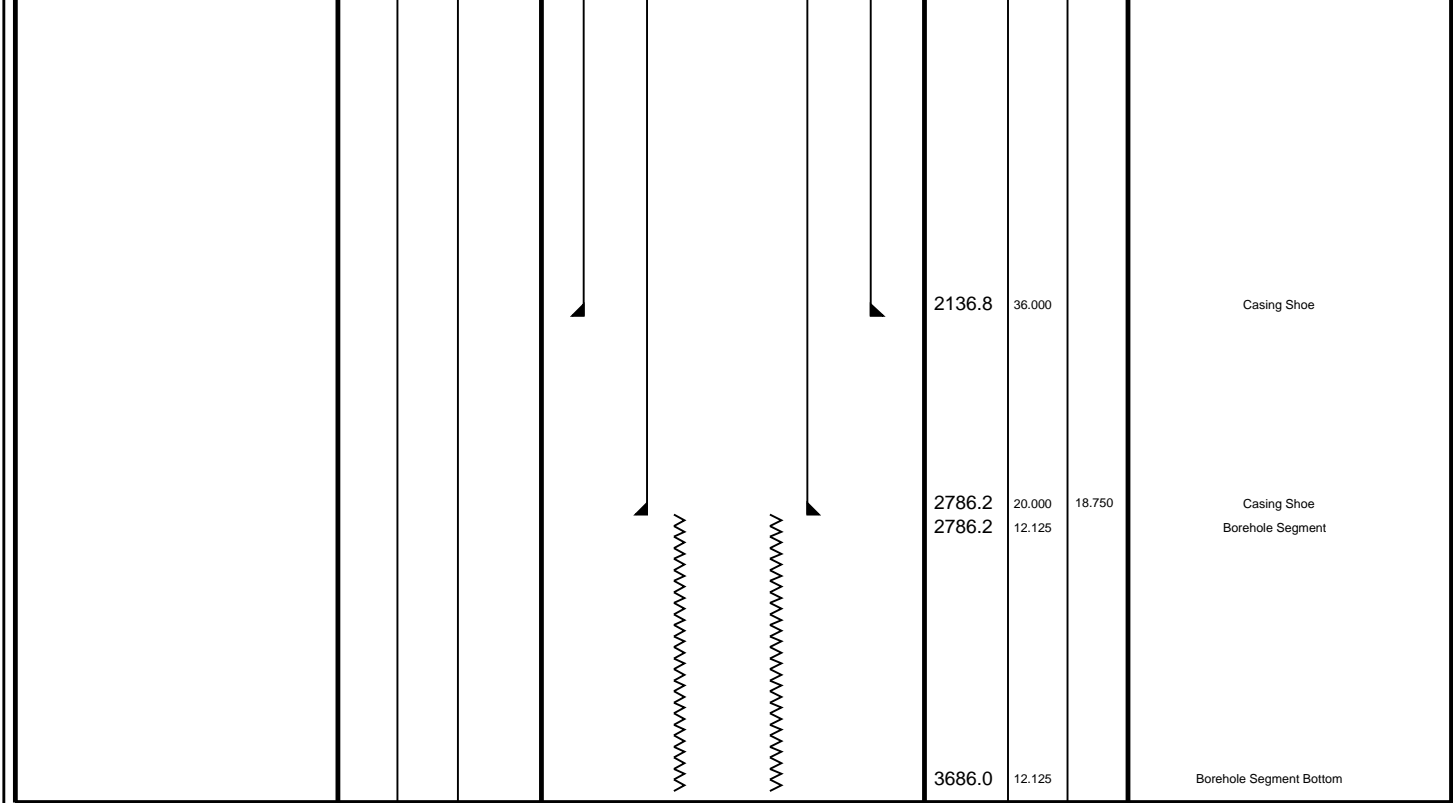
SURFACE EQUIPMENT

DOWNHOLE EQUIPMENT



Client: CDEX
 Well: C0009A
 Field: Nankai Trough
 State: Wakayama
 Country: JAPAN
 Rig Name: Chikyū
 Reference Datum: Mean Sea Level
 Elevation: 28.3 m
 Drawing Date: 7/11/2009

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
			28.3		2082.3	36.00		
			0.0					



Main Log
1:500

MAXIS Field Log

Company: CDEX Well: C0009A

Input DLIS Files

DEFAULT	FMI_NGS_EMS_MAXS_038LUP	FN:114	PRODUCER	13-Jul-2009 17:16	3659.9 M	2752.6 M
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Output DLIS Files

DEFAULT	FMI_NGS_EMS_CAL_006PUP	FN:30	PRODUCER	08-Aug-2009 16:43	3662.2 M	2755.8 M
CLIENT	FMI_NGS_EMS_CAL_006PUC	FN:31	CUSTOMER	08-Aug-2009 16:43	3662.2 M	2755.8 M

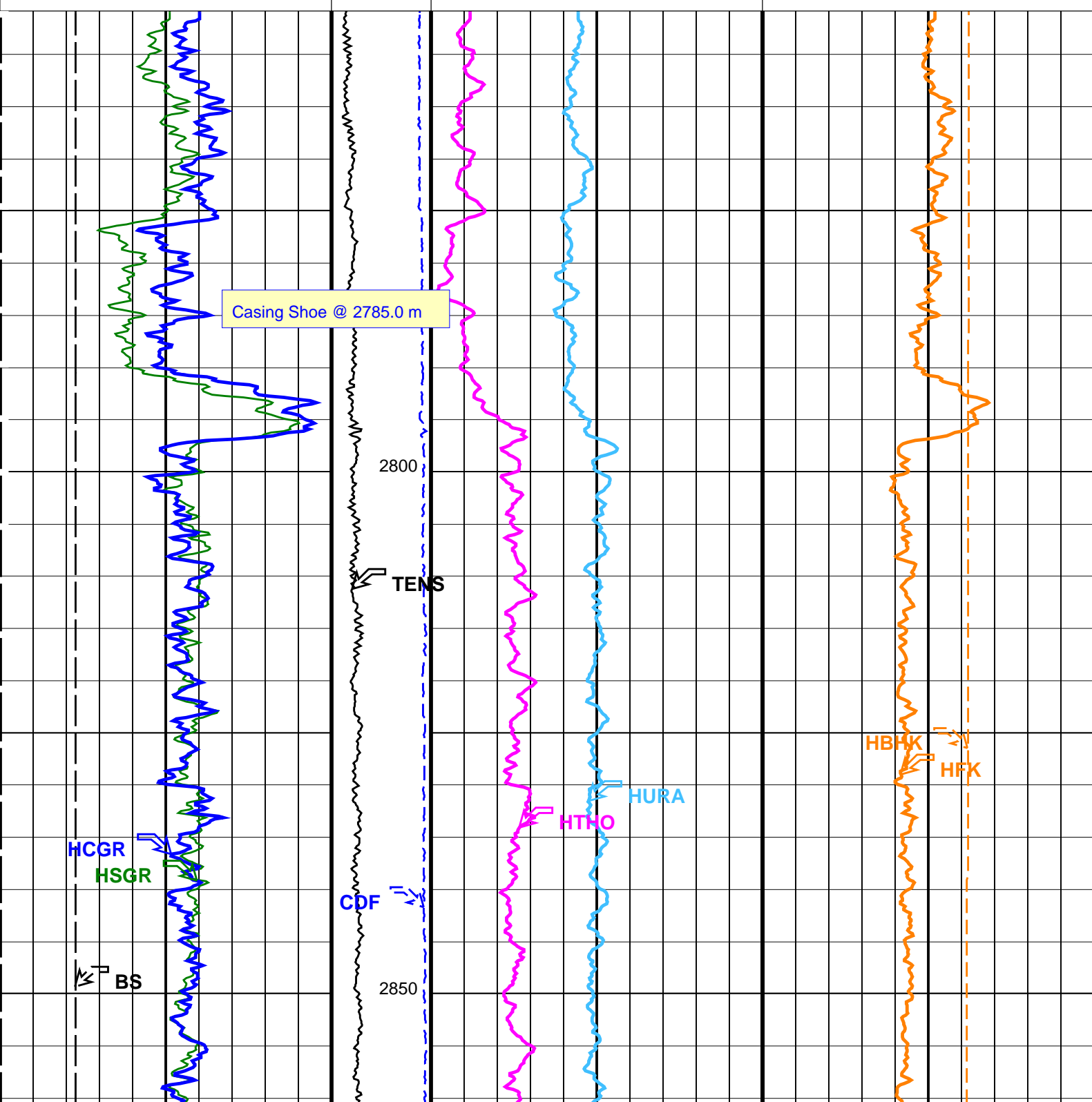
OP System Version: 17C0-154

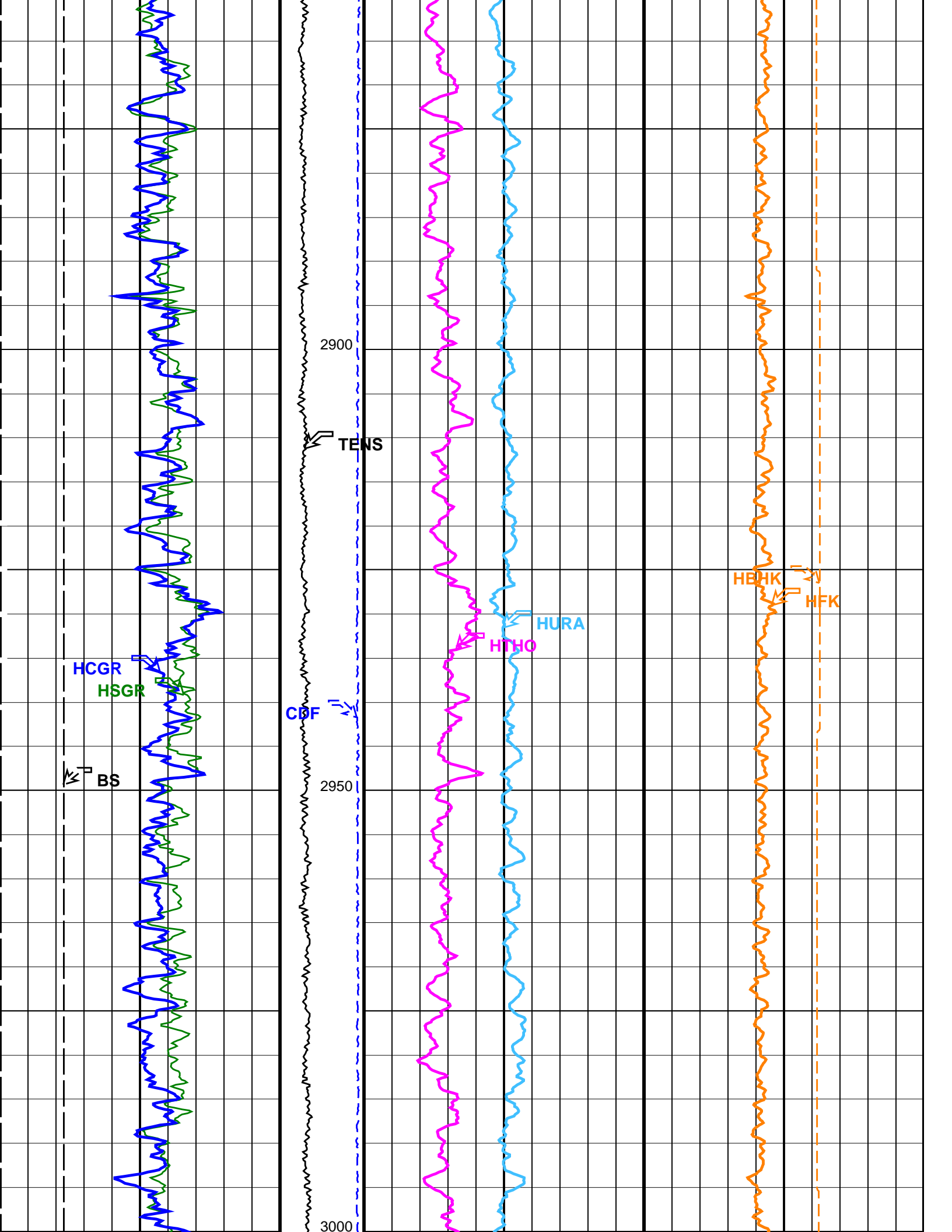
FBST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	SPC-3839-NUCL	EMS-B	17C0-154
PPC1-B	17C0-154	EDTC-B	17C0-154

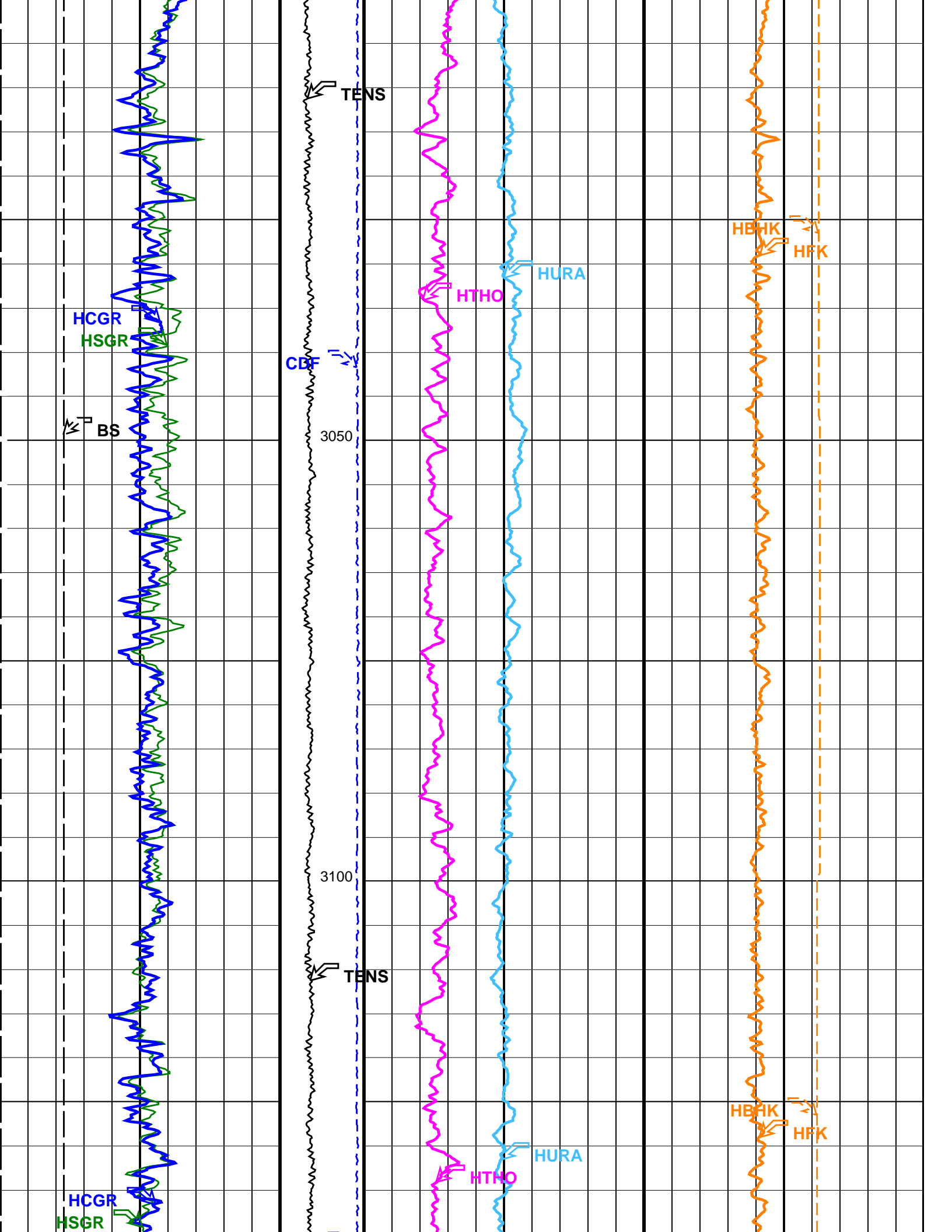
PIP SUMMARY

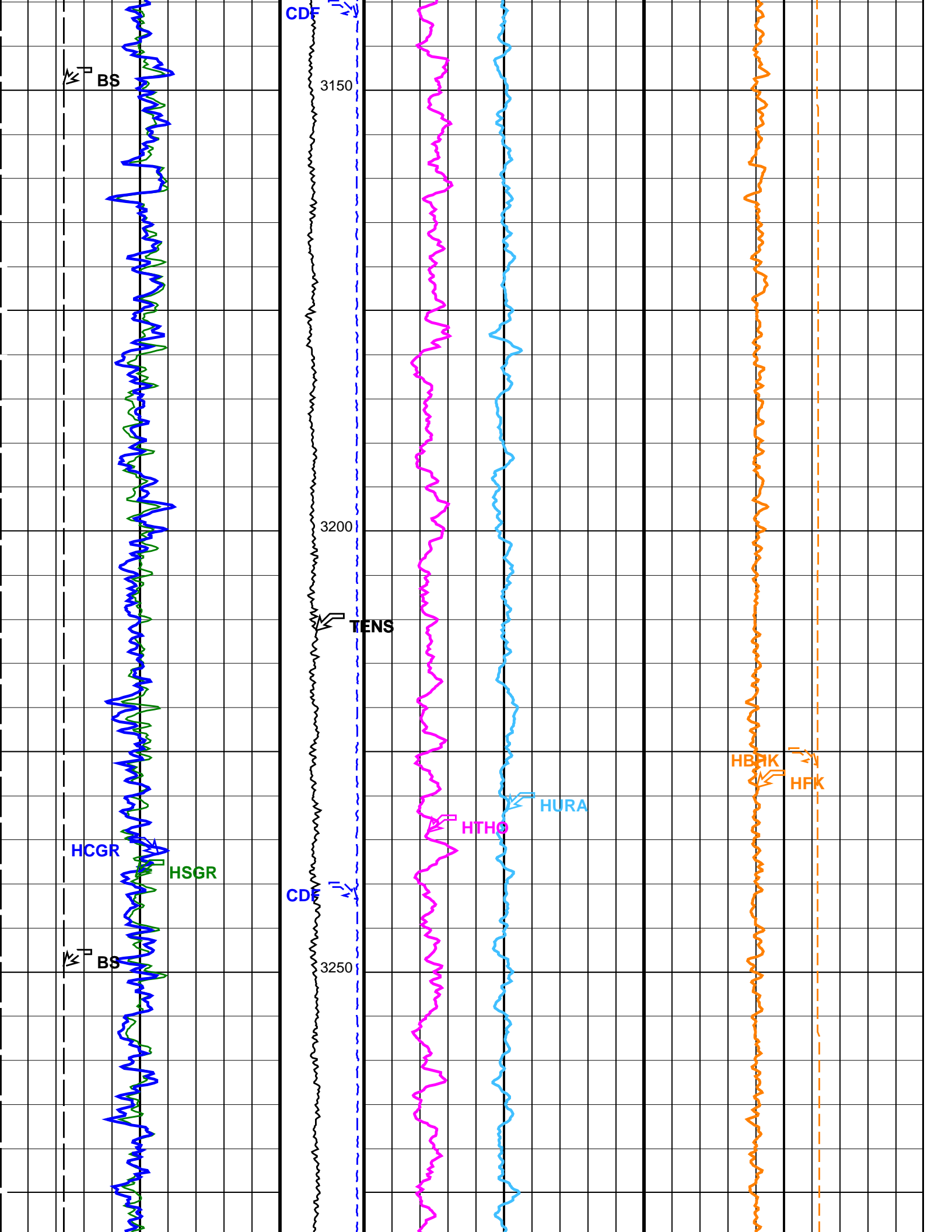
Time Mark Every 60 S

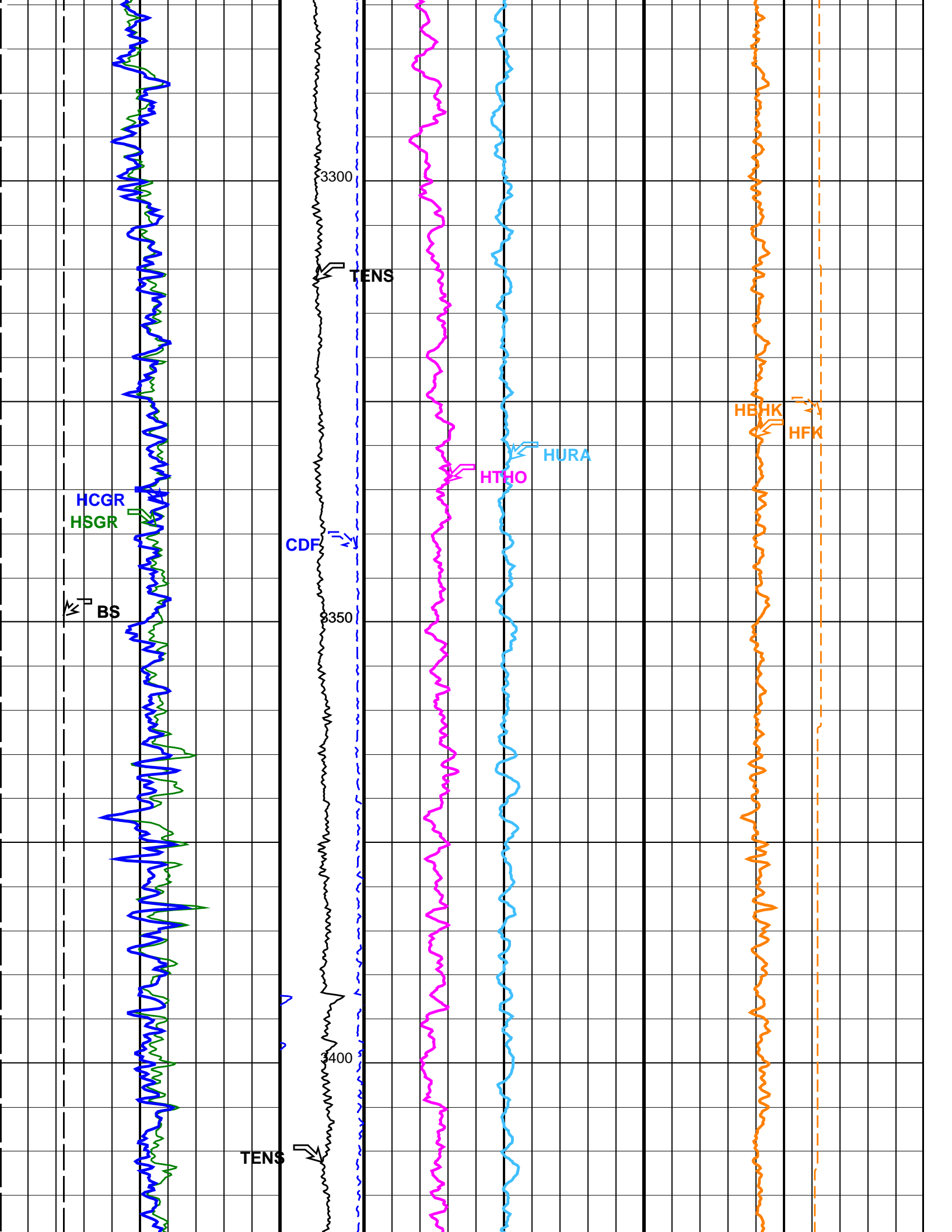
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 50 150		HNGS Borehole Potassium (HBHK) (V/V) -0.05 0.05	
HNGS Computed Gamma Ray (HCGR) (GAPI) 50 150		HNGS Uranium (HURA) (PPM) -10 30	
Bit Size (BS) (IN) 10 20		HNGS Thorium (HTHO) (PPM) 0 30	HNGS Potassium (HFK) (V/V) 0 0.1
Calibrated Downhole Force (CDF) (LBF) -200 1800		Tension (TENS) (LBF) 0 2000	

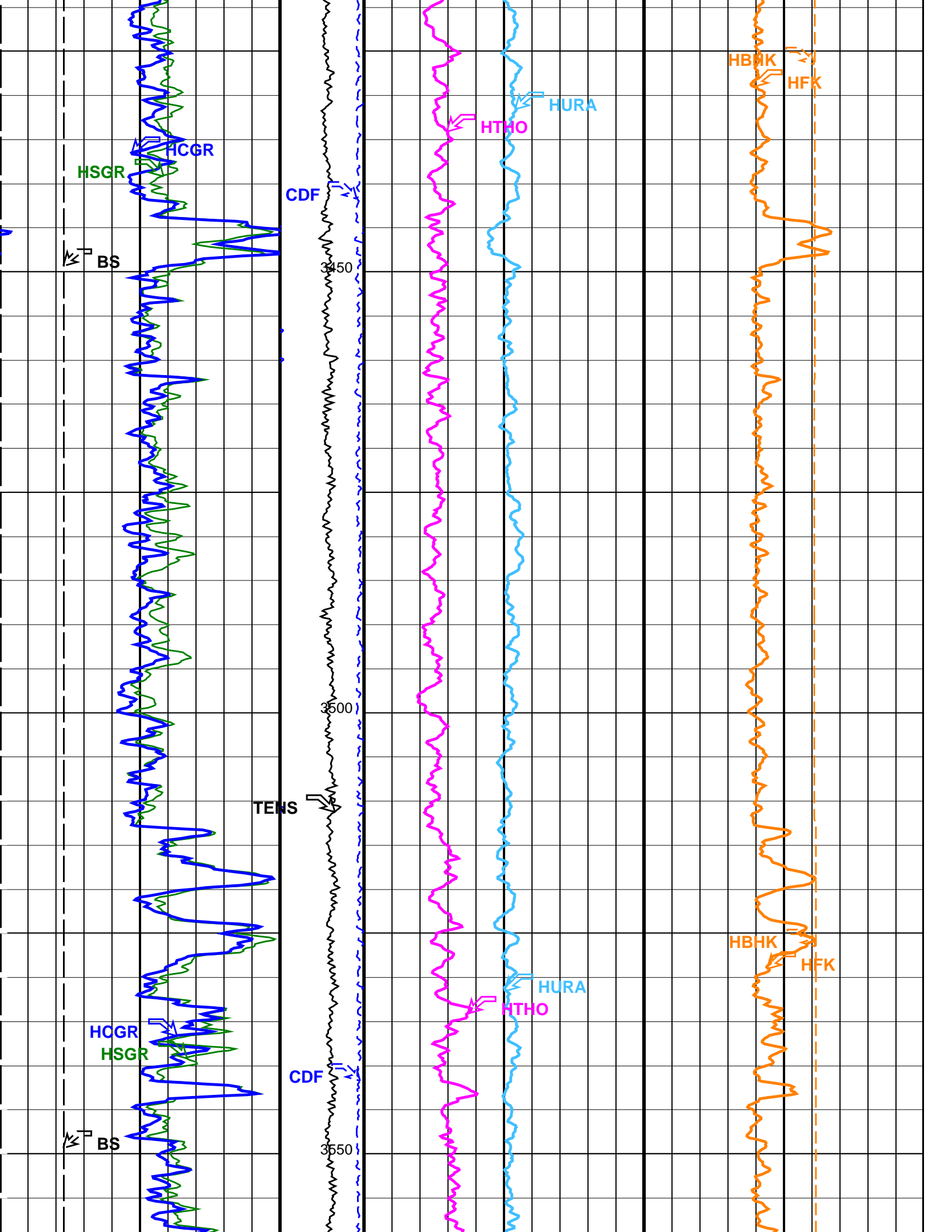


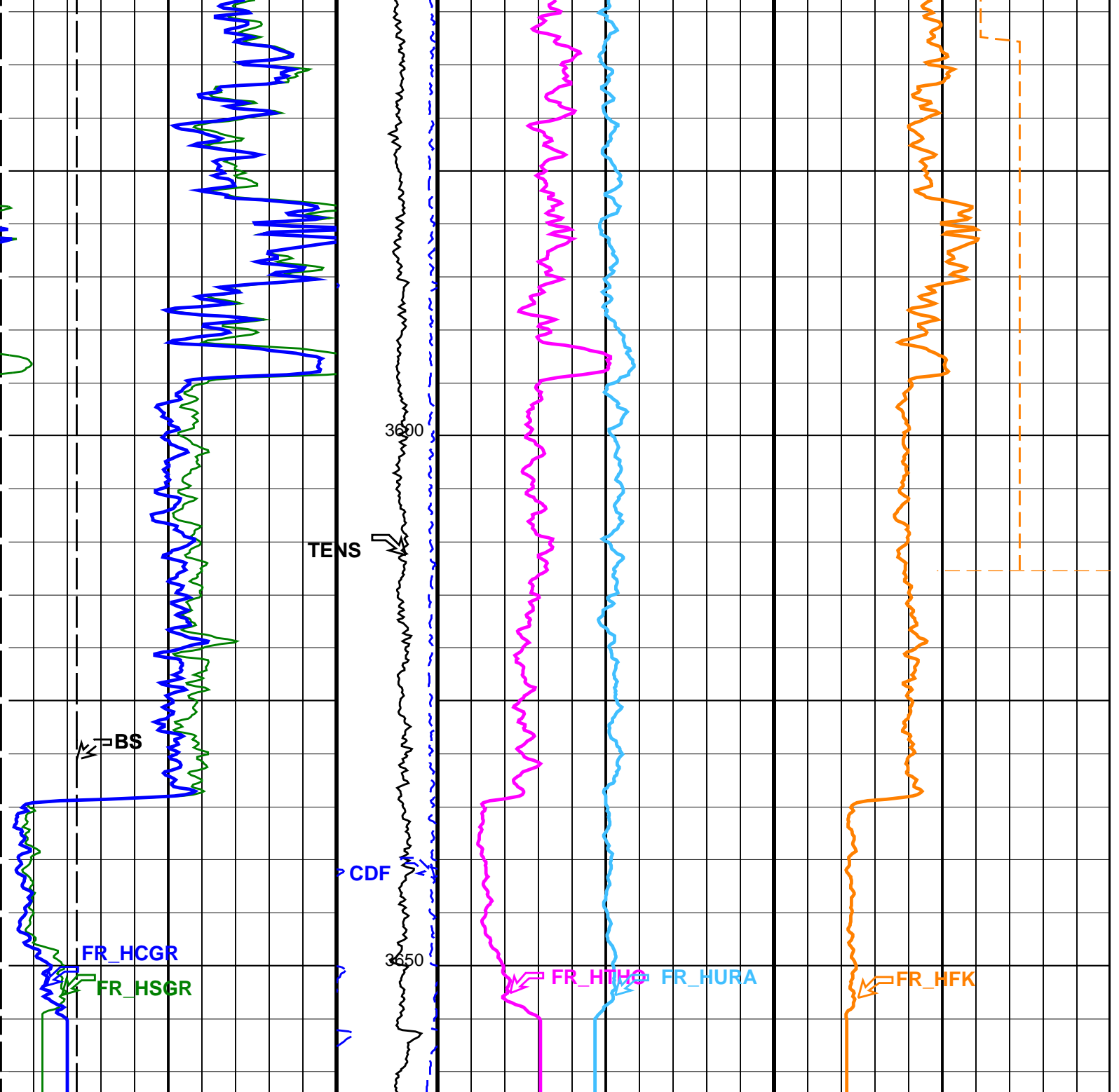












<p>Bit Size (BS) (IN)</p> <p>10 20</p>	<p>Tension (TENS) (LBF)</p> <p>0 2000</p>	<p>HNGS Thorium (HTHO) (PPM)</p> <p>0 30</p>	<p>HNGS Potassium (HFK) (V/V)</p> <p>0 0.1</p>
<p>HNGS Computed Gamma Ray (HCGR) (GAPI)</p> <p>50 150</p>	<p>Calibrated Downhole Force (CDF) (LBF)</p> <p>-200 1800</p>	<p>HNGS Uranium (HURA) (PPM)</p> <p>-10 30</p>	
<p>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)</p> <p>50 150</p>			<p>HNGS Borehole Potassium (HBHK) (V/V)</p> <p>-0.05 0.05</p>

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	HD1_PPC1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	0.0134006	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.03291	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.05889	
EMS-B: Environment Measurement Sonde			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	HD1_PPC1	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	HD1_PPC1	
System and Miscellaneous			
BS	Bit Size	12.250	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	3.2	M
DORL	Depth Offset for Repeat Analysis	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSNGT 500 Vertical Scale: 1:500 Graphics File Created: 08-Aug-2009 16:43

OP System Version: 17C0-154

FBST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	SPC-3839-NUCL	EMS-B	17C0-154
PPC1-B	17C0-154	EDTC-B	17C0-154

Input DLIS Files

DEFAULT	FMI_NGS_EMS_MAXS_038LUP	FN:114	PRODUCER	13-Jul-2009 17:16	3659.9 M	2752.6 M
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Output DLIS Files

DEFAULT	FMI_NGS_EMS_CAL_006PUP	FN:30	PRODUCER	08-Aug-2009 16:43
CLIENT	FMI_NGS_EMS_CAL_006PUC	FN:31	CUSTOMER	08-Aug-2009 16:43



Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Full-Bore Scanner – B Wellsite Calibration – Caliper Calibration							
Before: 12-Jul-2009 11:56							
Caliper 1 Small Jig	8.000	N/A	7.973	N/A	N/A	N/A	IN
Caliper 2 Small Jig	16.00	N/A	16.03	N/A	N/A	N/A	IN
Caliper 1 Large Jig	16.00	N/A	15.80	N/A	N/A	N/A	IN
Caliper 2 Large Jig	8.000	N/A	7.906	N/A	N/A	N/A	IN
Full-Bore Scanner – B Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 12-Jul-2009 12:49							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	4	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	852	N/A	N/A	N/A	
Full-Bore Scanner – B Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 12-Jul-2009 12:49							
TEMPERATURE REFERENCE :	N/A	N/A	22	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	97	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	2	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	287	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 5-Jul-2009 18:42 Before: 5-Jul-2009 18:56							
Na 511 Peak Loc	40.00	39.49	39.74	N/A	N/A	1.000	
Na 511 Peak Res	15.50	17.60	16.16	N/A	N/A	2.000	%
High Voltage	1150	1214	1215	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	143.1	143.6	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.645	9.431	N/A	N/A	2.000	%
Temperature	15.50	26.77	26.77	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	23.60	23.58	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 5-Jul-2009 18:42 Before: 5-Jul-2009 18:56							
Na 511 Peak Loc	40.00	39.91	39.56	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.82	17.24	N/A	N/A	2.000	%
High Voltage	1150	1105	1106	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	144.3	143.7	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.151	8.788	N/A	N/A	2.000	%
Temperature	15.50	26.35	26.46	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	23.75	23.52	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 5-Jul-2009 18:42 Before: 5-Jul-2009 18:56							
Coincidence Count Rate Ratio	1.000	0.9925	1.004	N/A	N/A	0.05000	
Powered Positioning Device/Caliper 1 Wellsite Calibration – PPC1 Caliper Calibration							
Before: 12-Jul-2009 12:03							
PPC1 Radius 1 Raw Small Radius	3.500	N/A	4.426	N/A	N/A	0.5000	IN
PPC1 Radius 1 Raw Large Radius	8.000	N/A	8.666	N/A	N/A	0.5000	IN
PPC1 Radius 2 Raw Small Radius	3.500	N/A	3.337	N/A	N/A	0.5000	IN
PPC1 Radius 2 Raw Large Radius	8.000	N/A	7.746	N/A	N/A	0.5000	IN
PPC1 Radius 3 Raw Small Radius	3.500	N/A	4.219	N/A	N/A	0.5000	IN
PPC1 Radius 3 Raw Large Radius	8.000	N/A	8.465	N/A	N/A	0.5000	IN
PPC1 Radius 4 Raw Small Radius	3.500	N/A	2.510	N/A	N/A	0.5000	IN
PPC1 Radius 4 Raw Large Radius	8.000	N/A	7.022	N/A	N/A	0.5000	IN
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 12-Jul-2009 13:01							
EDTC Z-Axis Acceleration	9.810	N/A	9.794	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 12-Jul-2009 12:51							
Gamma Ray (Jig – Bkg)	167.1	N/A	167.1	N/A	N/A	15.19	GAPI
Gamma Ray (Calibrated)	160.0	N/A	160.0	N/A	N/A	15.00	GAPI

Full-Bore Scanner – B / Equipment Identification

Primary Equipment:

FullBore Scanner Sonde	FBSS – B	816
FullBore Scanner Sonde Upper part	FBSH – A	815
FullBore Scanner Sonde Cartridge	FBSC – B	816
GPIT Cartridge – C	GPIC – C	1843
Insulating Sub	AH – 185	938
FullBore Scanner Control Cartridge	FBCC – A	819

Full-Bore Scanner - B Wellsite Calibration					
Caliper Calibration					
Phase	Caliper 1 Small Jig IN	Value	Phase	Caliper 2 Small Jig IN	Value
Before		7.973	Before		16.03
	6.800 (Minimum) 8.000 (Nominal) 9.200 (Maximum)			13.60 (Minimum) 16.00 (Nominal) 18.40 (Maximum)	
Phase	Caliper 1 Large Jig IN	Value	Phase	Caliper 2 Large Jig IN	Value
Before		15.80	Before		7.906
	13.60 (Minimum) 16.00 (Nominal) 18.40 (Maximum)			6.800 (Minimum) 8.000 (Nominal) 9.200 (Maximum)	

Before: 12-Jul-2009 11:56

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification		
Primary Equipment: HNGC Cartridge	HNGC - B	424
Auxiliary Equipment: HNGC Housing	HNGH - A	358

Hostile Natural Gamma Ray Sonde / Equipment Identification		
Primary Equipment: HNGS Sonde	HNGS - BA	164
Auxiliary Equipment: HNGS Sonde Housing Gamma Source Radioactive	HNSH - BA GSR - Y	161 1005

Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 1 Check								
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.49	Master		17.60	Master		1214
Before		39.74	Before		16.16	Before		1215
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		143.1	Master		9.645	Master		26.77
Before		143.6	Before		9.431	Before		26.77
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		23.60						
Before		23.58						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: 5-Jul-2009 18:42 Before: 5-Jul-2009 18:56

Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 2 Check								
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.91	Master		16.82	Master		1105
Before		39.56	Before		17.24	Before		1106
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		144.3	Master		9.151	Master		26.35

Before	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)	143.7	Before	7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)	8.788	Before	-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)	26.46
Phase	Na Count Rate CPS			Value										
Master				23.75										
Before				23.52										
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)											
Master: 5-Jul-2009 18:42					Before: 5-Jul-2009 18:56									


Hostile Natural Gamma Ray Sonde Wellsite Calibration			
Ratio Of Detector 1 To Detector 2			
Phase	Coincidence Count Rate Ratio		Value
Master			0.9925
Before			1.004
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: 5-Jul-2009 18:42			
Before: 5-Jul-2009 18:56			

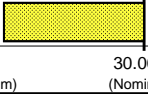


Multimode Array Sonic Power Cartridge / Equipment Identification			
Primary Equipment:			
Multimode Array Sonic Minimum Service So	MAMS - BA	8048	
Multimode Array Sonic Control Cartridge	MAPC - BA	8038	
Auxiliary Equipment:			
Electronics Cartridge Housing	ECH - SF	8038	

Powered Positioning Device/Caliper 1 / Equipment Identification			
Primary Equipment:			
PPC Powered Positioning Device/Caliper	PPC1 - B	8169	
PPC1 Caliper Standard	PPC_ -		
Auxiliary Equipment:			

Powered Positioning Device/Caliper 1 Wellsite Calibration							
PPC1 Caliper Calibration							
Phase	PPC1 Radius 1 Raw Small Radius IN		Value	Phase	PPC1 Radius 1 Raw Large Radius IN		Value
Before			4.426	Before			8.666
	1.200 (Minimum)	3.500 (Nominal)	5.600 (Maximum)		6.100 (Minimum)	8.000 (Nominal)	9.700 (Maximum)
Phase	PPC1 Radius 2 Raw Small Radius IN		Value	Phase	PPC1 Radius 2 Raw Large Radius IN		Value
Before			3.337	Before			7.746
	1.200 (Minimum)	3.500 (Nominal)	5.600 (Maximum)		6.100 (Minimum)	8.000 (Nominal)	9.700 (Maximum)
Phase	PPC1 Radius 3 Raw Small Radius IN		Value	Phase	PPC1 Radius 3 Raw Large Radius IN		Value
Before			4.219	Before			8.465
	1.200 (Minimum)	3.500 (Nominal)	5.600 (Maximum)		6.100 (Minimum)	8.000 (Nominal)	9.700 (Maximum)
Phase	PPC1 Radius 4 Raw Small Radius IN		Value	Phase	PPC1 Radius 4 Raw Large Radius IN		Value
Before			2.510	Before			7.022
	1.200 (Minimum)	3.500 (Nominal)	5.600 (Maximum)		6.100 (Minimum)	8.000 (Nominal)	9.700 (Maximum)
Before: 12-Jul-2009 12:03							

Enhanced DTS Cartridge / Equipment Identification			
Primary Equipment:			
EDTC Gamma Ray Detector	EDTG - A/B	8215	
Enhanced DTS Cartridge	EDTC - BB	8218	

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.794
	9.610 (Minimum)	10.01 (Maximum)
Before: 12-Jul-2009 13:01		

Enhanced DTS Cartridge Wellsite Calibration									
Detector Calibration									
Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value	
Before		3.157	Before		167.1	Before		160.0	
	0 (Minimum)	120.0 (Maximum)		151.9 (Minimum)	182.3 (Maximum)		145.0 (Minimum)	175.0 (Maximum)	
Before: 12-Jul-2009 12:51									

Company: **CDEX**

Schlumberger

Well: **C0009A**

Field: **Kumanonada, Offshore Kii peninsula**

Rig: **Chikyu**

Country: **JAPAN**

Natural Spectroscopy Gamma Ray (HNCS)
3652.2m - 2785.0m
Suite 1, Run 2 (1:500)