

Schlumberger

Company: Lamont Doherty

Well: KKGH01 Site 1 Hole A

Field: Kerala Konkan Basin

Rig: Joides Resolution

Ocean: Arabian Sea

Lamont Doherty

KKGH01 Site 1 Hole A

Kerala Konkani Basin

Joides Resolution

Natural Gamma Ray

Natural Gamma Ray			
Rig: Joides Resolution			
Field: Kerala Konkan Basin			
Location: Rig– Joides Resolution			
Well: KKGH01 Site 1 Hole A			
Company: Lamont Doherty			
LOCATION			
Permanent Datum:	Mean Sea Level	Elev.:	K.B. 11.3 m
Log Measured From:	Rig Floor		G.L. –2674.2 m
Drilling Measured From:	Rig Floor		D.F. 11 m
API Serial No.	Max. Hole Devi.	Longitude	Latitude
		70° 54.192 E	15° 18.366 N

[illegible]

Logging Date	9-May-2006					
Run Number	One					
Depth Driller	2964.2 m					
Schlumberger Depth	2958 m					
Bottom Log Interval	2956 m					
Top Log Interval	2658.5 m					
Casing Driller Size @ Depth	0.000 in @ 2758 m					
Casing Schlumberger	2751 m					
Bit Size	9.875 in					
Type Fluid In Hole	Sepiolite/Barite					
Density	Viscosity					
Fluid Loss	PH					
Source Of Sample	Pit					
RM @ Measured Temperature	0.177 ohm.m @ 23 degC					
RMF @ Measured Temperature	0.000 ohm.m @ @					
RMC @ Measured Temperature	0.000 ohm.m @ @					
Source RMF	RMC					
RM @ MRT	RMF @ MRT		@ 7	@	@	
Maximum Recorded Temperatures	7 degC					
Circulation Stopped	Time			16:00		
Logger On Bottom	Time			see log		
Unit Number	Location					
Recorded By	Steve Kittredge					
Witnessed By	S. Mrozewski A. Cook					

Logging Date			
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	Viscosity		
Fluid Loss	PH		
Source Of Sample			
RMF @ Measured Temperature		@	
RMF @ Measured Temperature		@	
RMC @ Measured Temperature		@	
Source RMF	RMC		
RM @ MRT	RMF @ MRT	@	@
Maximum Recorded Temperatures			
Circulation Stopped	Time		
Logger On Bottom	Time		
Unit Number	Location		
Recorded By			
Witnessed By			

n 3	Run 4
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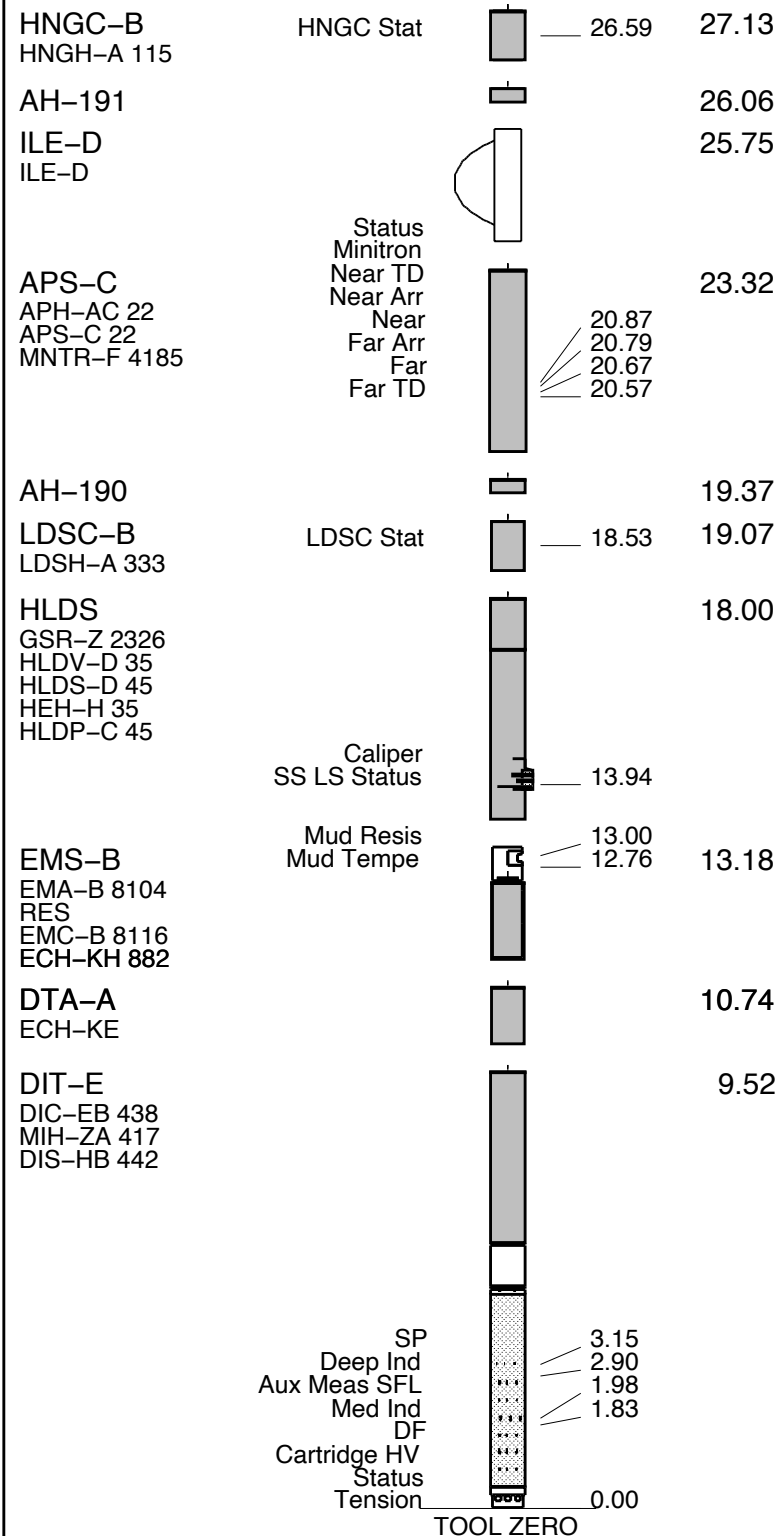
DISCLAIMER

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OTHER SERVICES1 OS1: VSI OS2: FMS,DSI OS3: OS4: OS5:			OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:		
REMARKS: RUN NUMBER 1			REMARKS: RUN NUMBER 2		
All parameters and presentations as per IODP standards					
Tool ran as per tool sketch below.					
Tool would not come in to pipe when logging up.					
Minitron was stopped and pipe lowered from 2742 to 2758.					
Tool string came in to pipe after rotating pipe.					
HSGR pipe location different than DITE/HLDS/APS.					
10.5 ppg mud with Barite used to fill hole.					
Go_Devil Run on bottom of tool.					
RUN 1 SERVICE ORDER #: PROGRAM VERSION: 12C0-301 FLUID LEVEL:			RUN 2 SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT	DESCRIPTION
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RUN 1		RUN 2	
SURFACE EQUIPMENT			
SFT-281 6250 SFT-178 6250 GSR-U 135 WITM (DTS)-A			
DOWNHOLE EQUIPMENT			
LEH-QT			31.43
LEH-QT 1726			
DTC-H	CTEM		30.26
ECH-KC 9841	TelStatus		30.54
	ToolStatus		29.63
HNGS-BA	Upper_1		28.92
HNGS-BA 194	Lower_2		28.71



MAXIMUM STRING DIAMETER 3.88 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

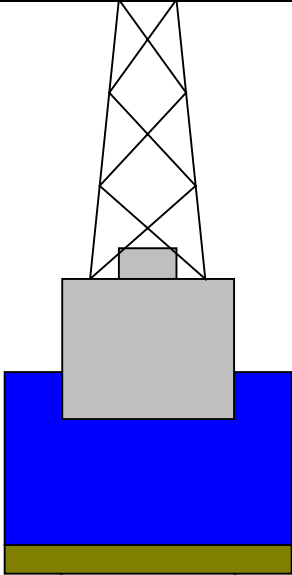
Production String	(in) (m)			Well Schematic	(m) (in)			Casing String
	OD	ID	MD		MD	OD	ID	

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

11.3
11.0

0.0



0.0 6.000

Casing String



2672.2 8.675
2964.2 9.875

Borehole Segment
Casing Segment

Borehole Segment Bottom



Main Up Log

MAXIS Field Log

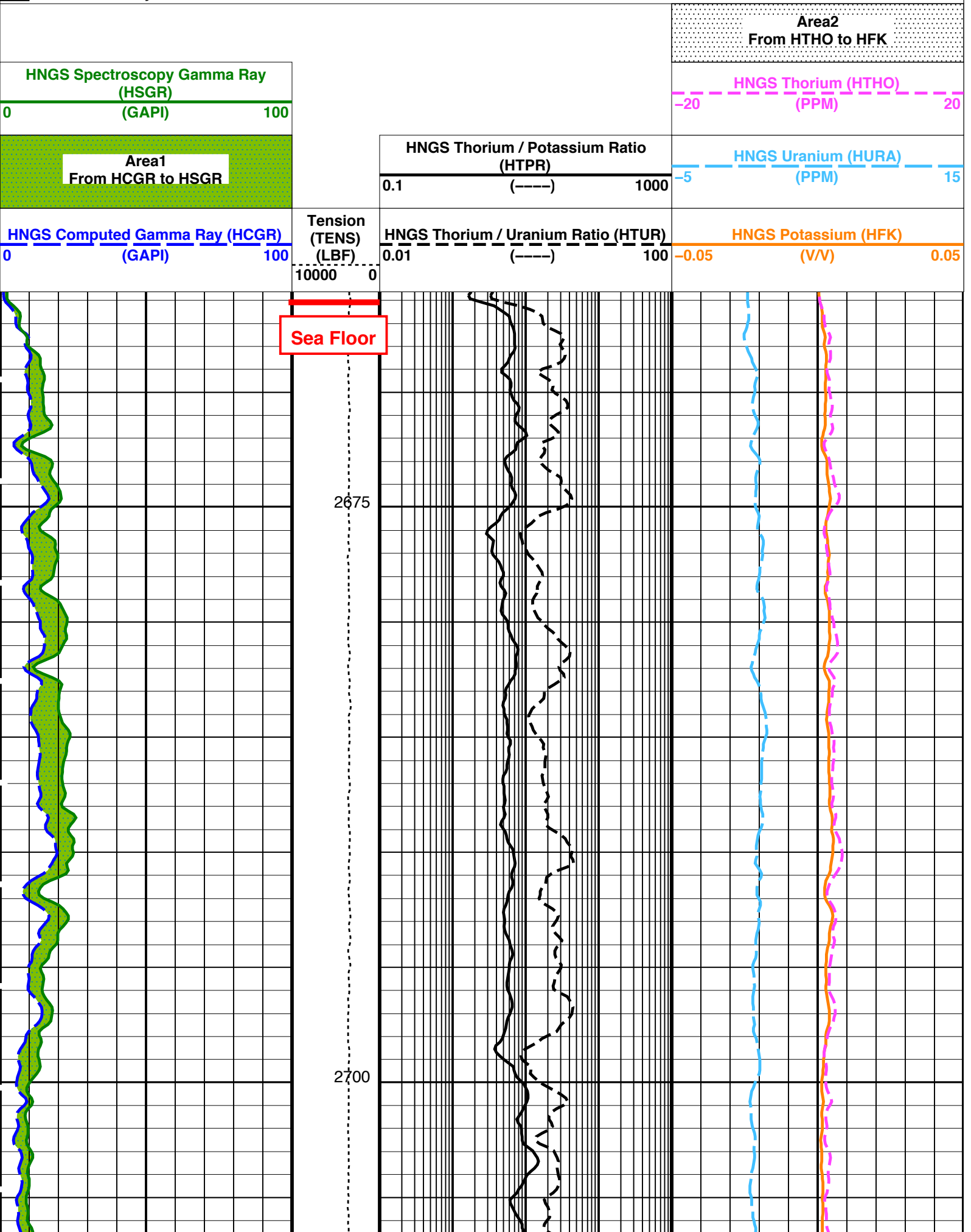
Company: Lamont Doherty Well: KKGH01-A

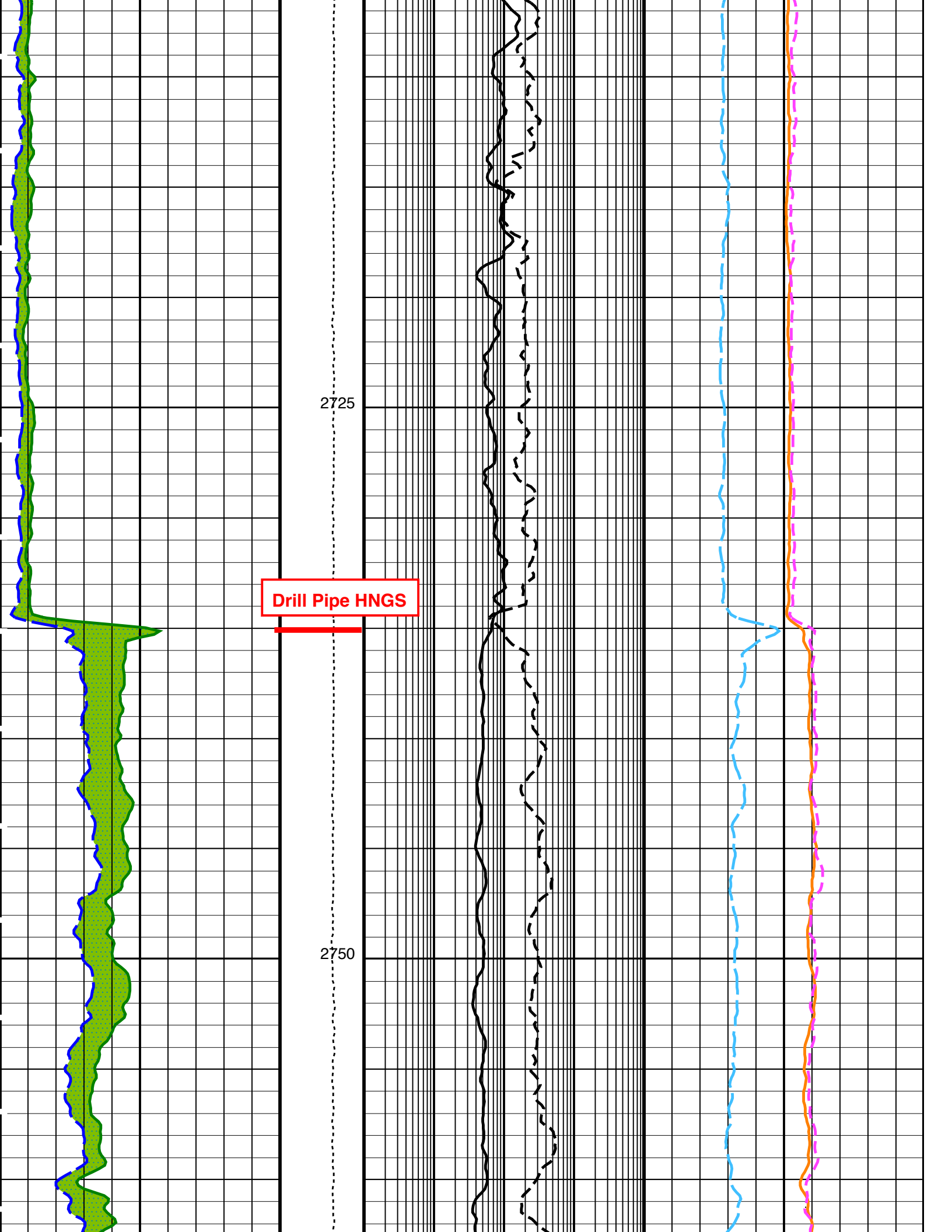
Input DLIS Files						
DEFAULT	PI_EMS_LDL_APS_NGS_033PUP	FN:32	PRODUCER	09-May-2006 10:04	2958.1 M	2658.8 M
Output DLIS Files						
DEFAULT	PI_EMS_LDL_APS_NGS_045PUP	FN:41	PRODUCER	11-May-2006 13:36	2958.1 M	2665.6 M

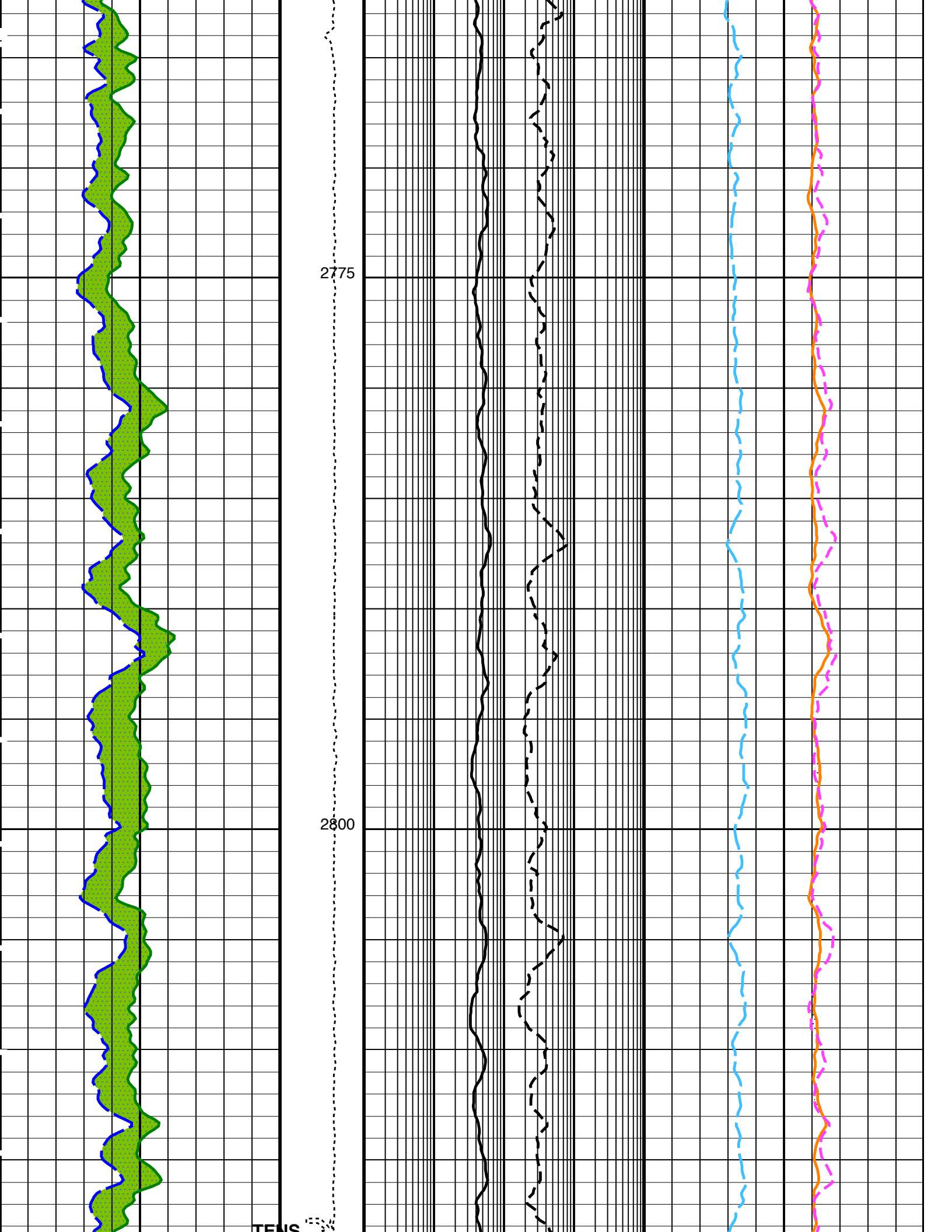
OP System Version: 12C0-301			
MCM			
DIT-E	12C0-301	DTA-A	12C0-301
EMS-B	12C0-301	HLDS	SPC-2602-NUCL
LDSC-B	SPC-2602-NUCL	APS-C	SPC-2602-NUCL
HNGC-B	SPC-2602-NUCL	HNGS-BA	SPC-2602-NUCL
DTC-H	12C0-301		

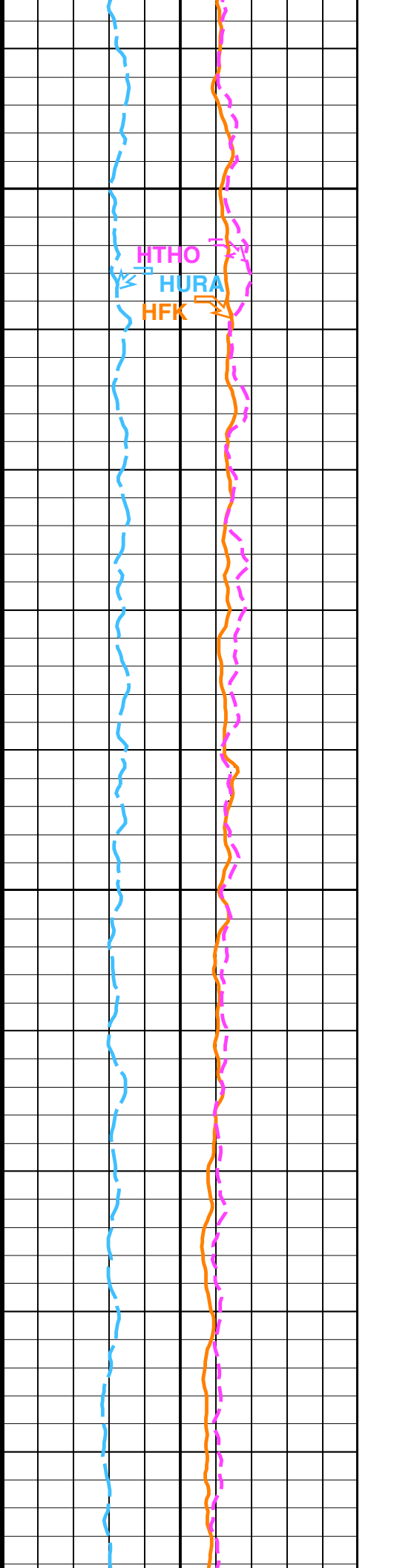
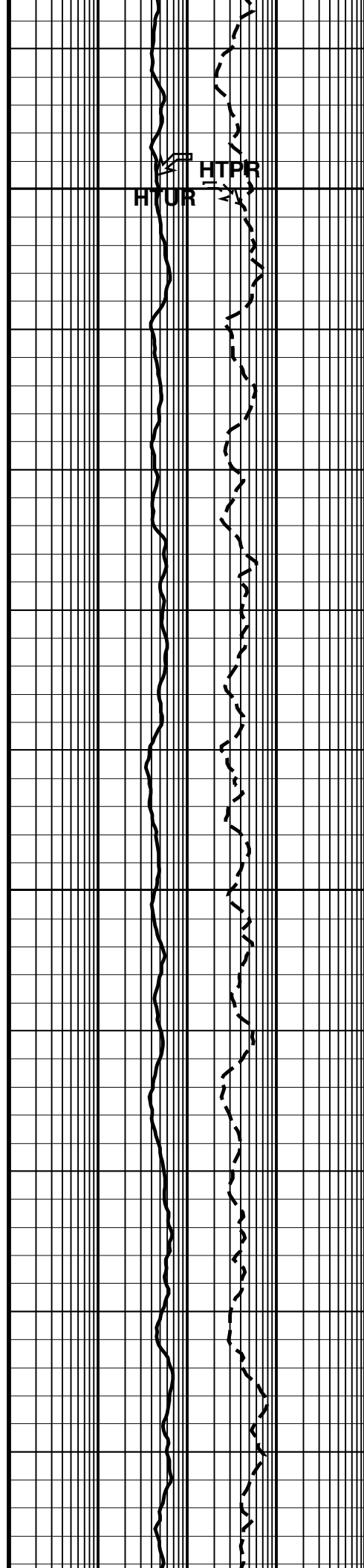
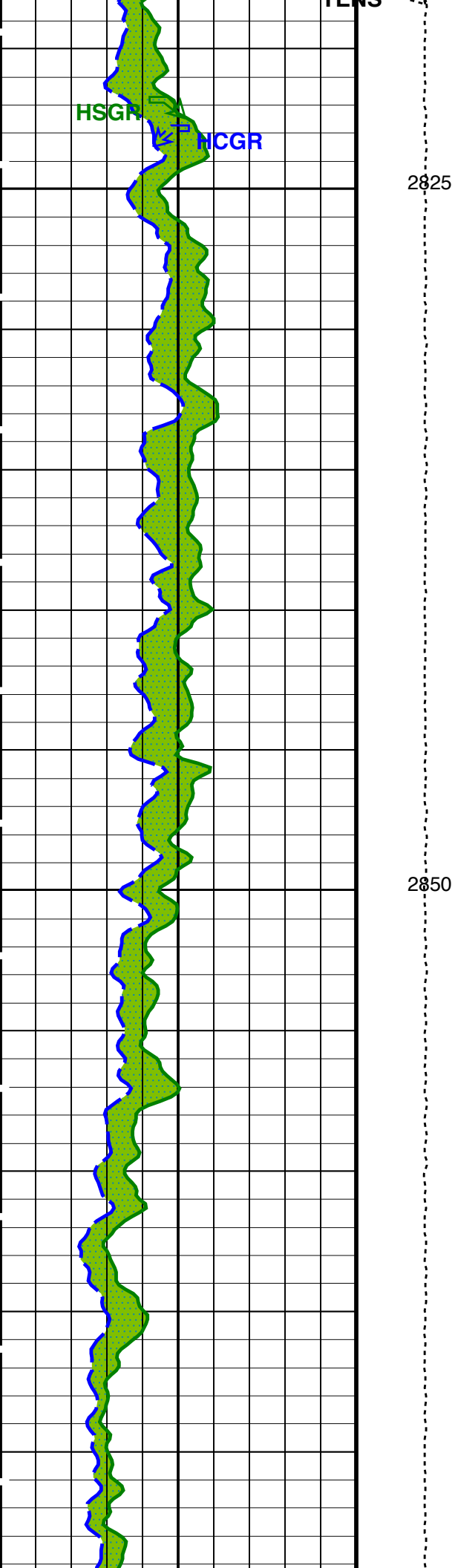
PIP SUMMARY

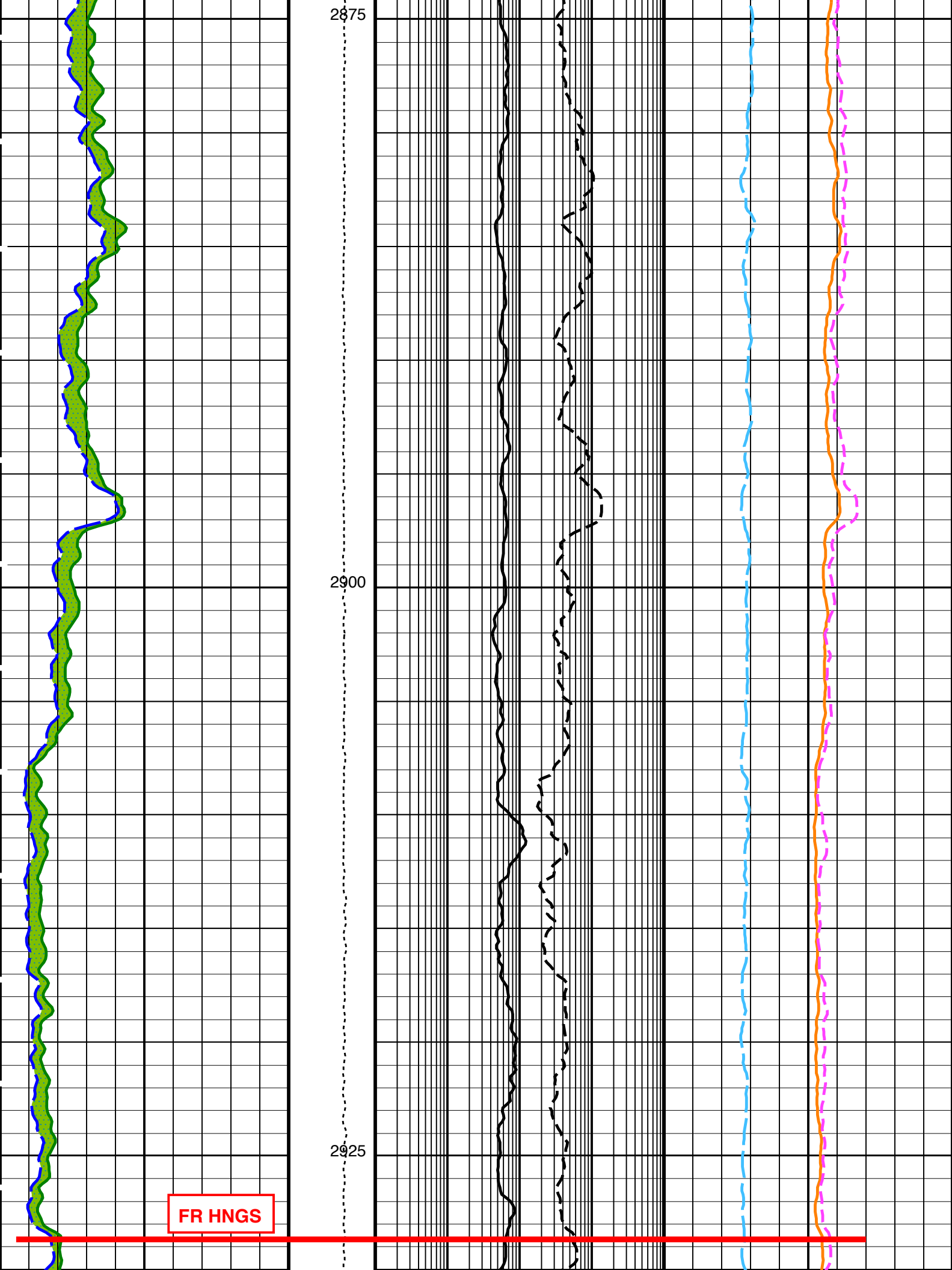
Time Mark Every 60 S

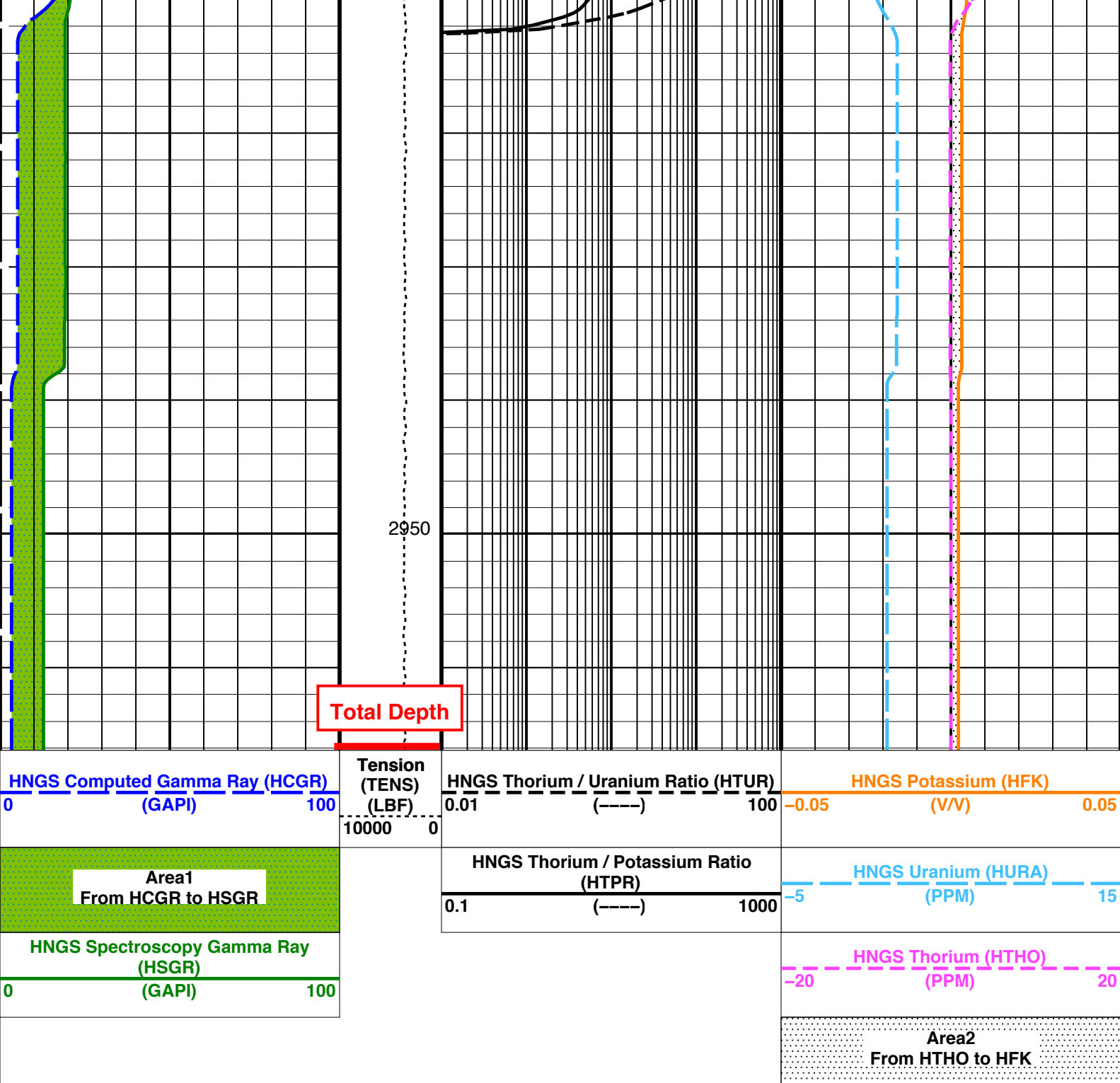












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DIT-E: Dual Induction – E		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
EMS-B: Environment Measurement Sonde		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
APS-C: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
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
GCSE	Generalized Caliper Selection	LCAL

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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00686837	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.926486	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.950932	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSRatios Vertical Scale: 1:200 Graphics File Created: 11-May-2006 13:36

OP System Version: 12C0-301

MCM

DIT-E	12C0-301	DTA-A	12C0-301
EMS-B	12C0-301	HLDS	SPC-2602-NUCL
LDSC-B	SPC-2602-NUCL	APS-C	SPC-2602-NUCL
HNGC-B	SPC-2602-NUCL	HNGS-BA	SPC-2602-NUCL
DTC-H	12C0-301		

Input DLIS Files

DEFAULT	PI_EMS_LDL_APS_NGS_033PUP	FN:32	PRODUCER	09-May-2006 10:04	2958.1 M	2658.8 M
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Output DLIS Files

DEFAULT	PI_EMS_LDL_APS_NGS_045PUP	FN:41	PRODUCER	11-May-2006 13:36
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Schlumberger

Repeat_Down_Log

MAXIS Field Log

Company: Lamont Doherty Well: KKGH01-A

Input DLIS Files

DEFAULT	Flip_PI_EMS_LDL_APS_049LUP	PRODUCER	11-May-2006 15:16	2929.4 M	2642.6 M
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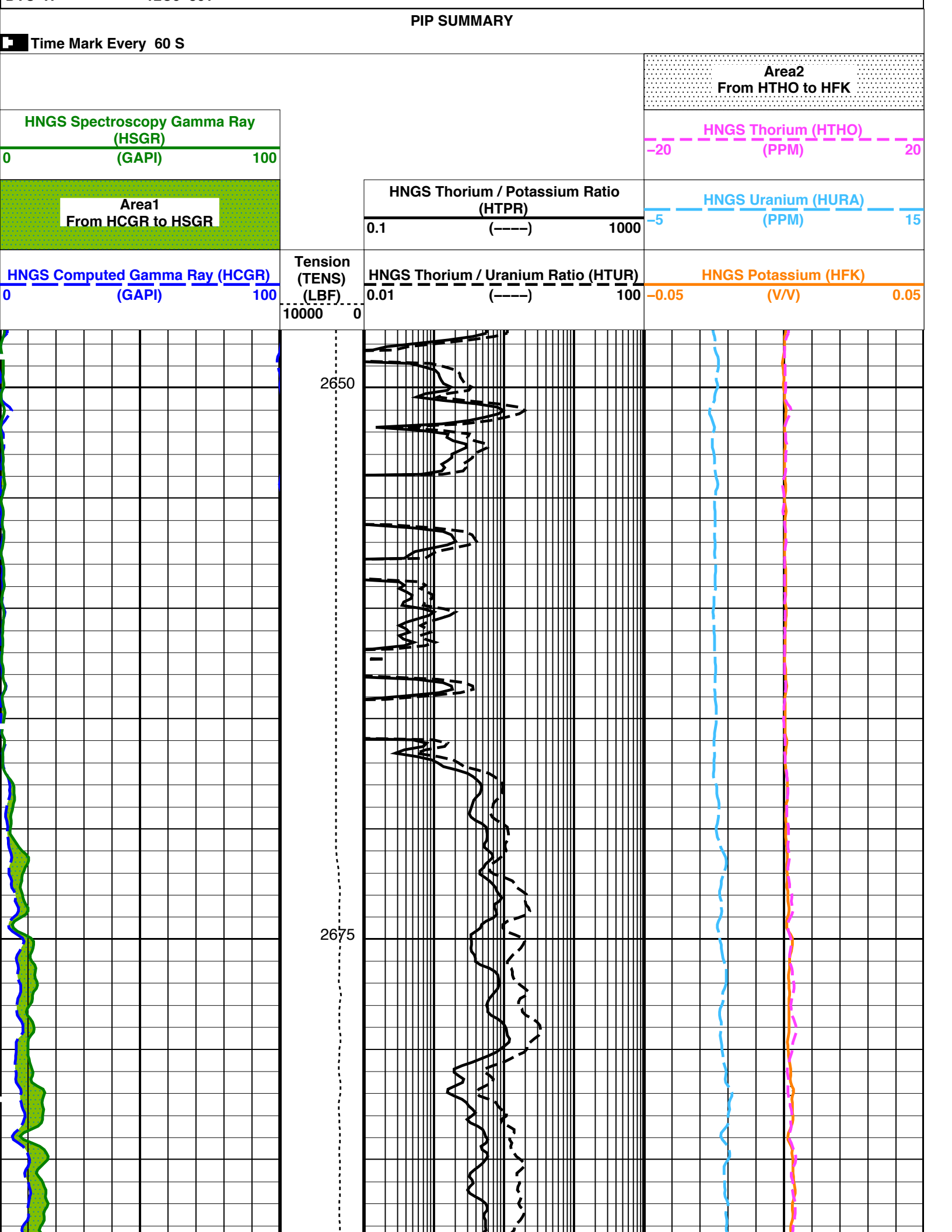
Output DLIS Files

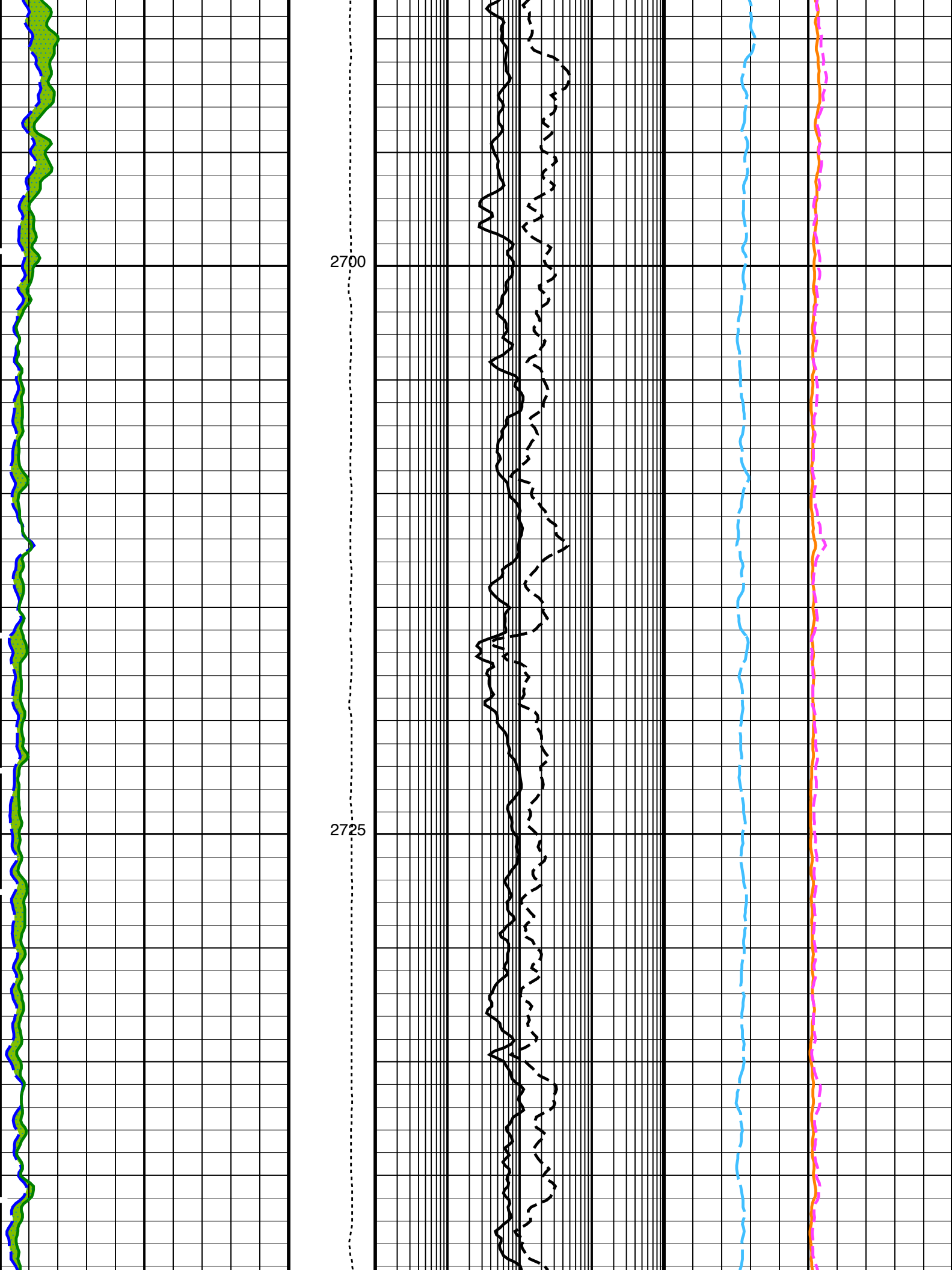
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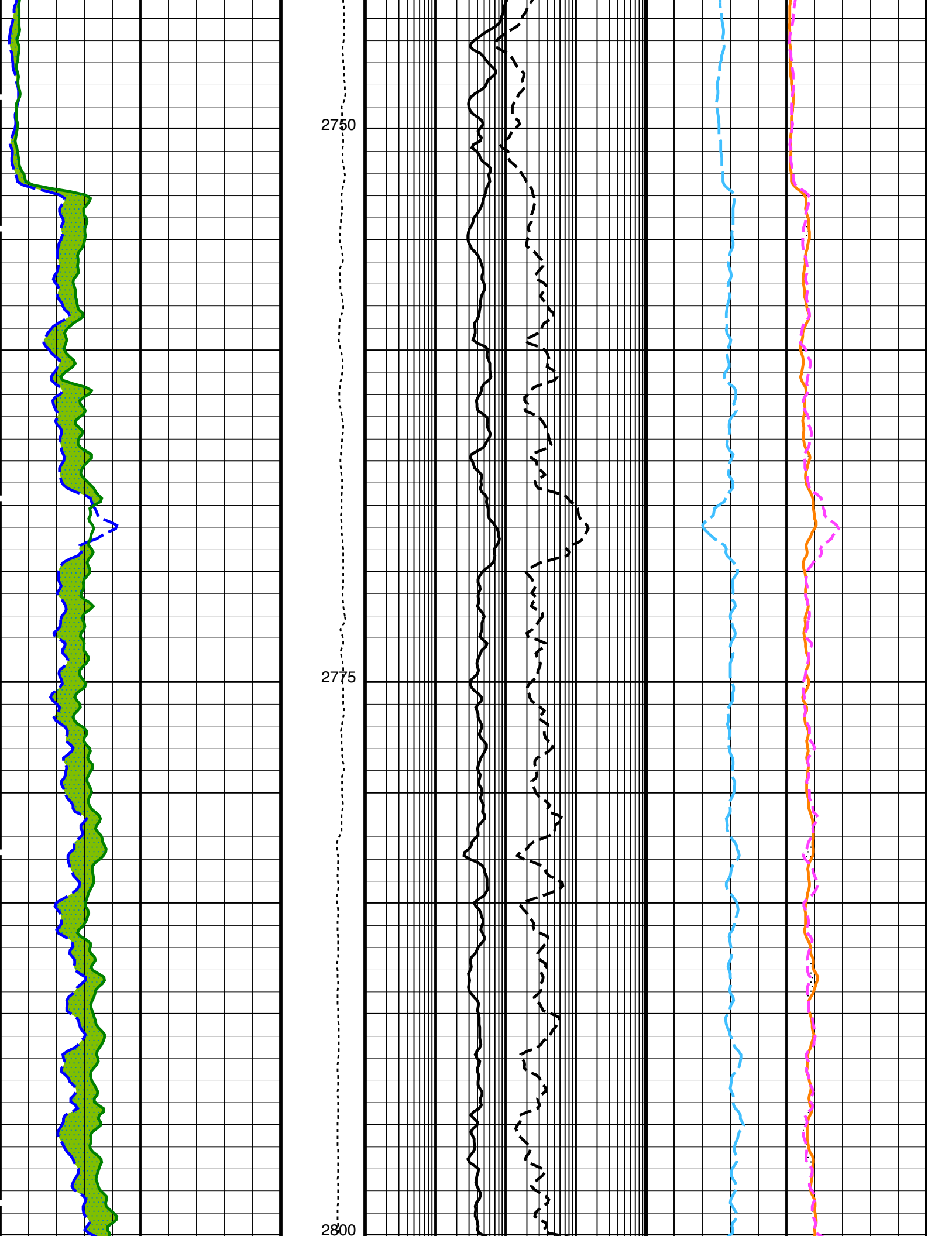
OP System Version: 12C0-301

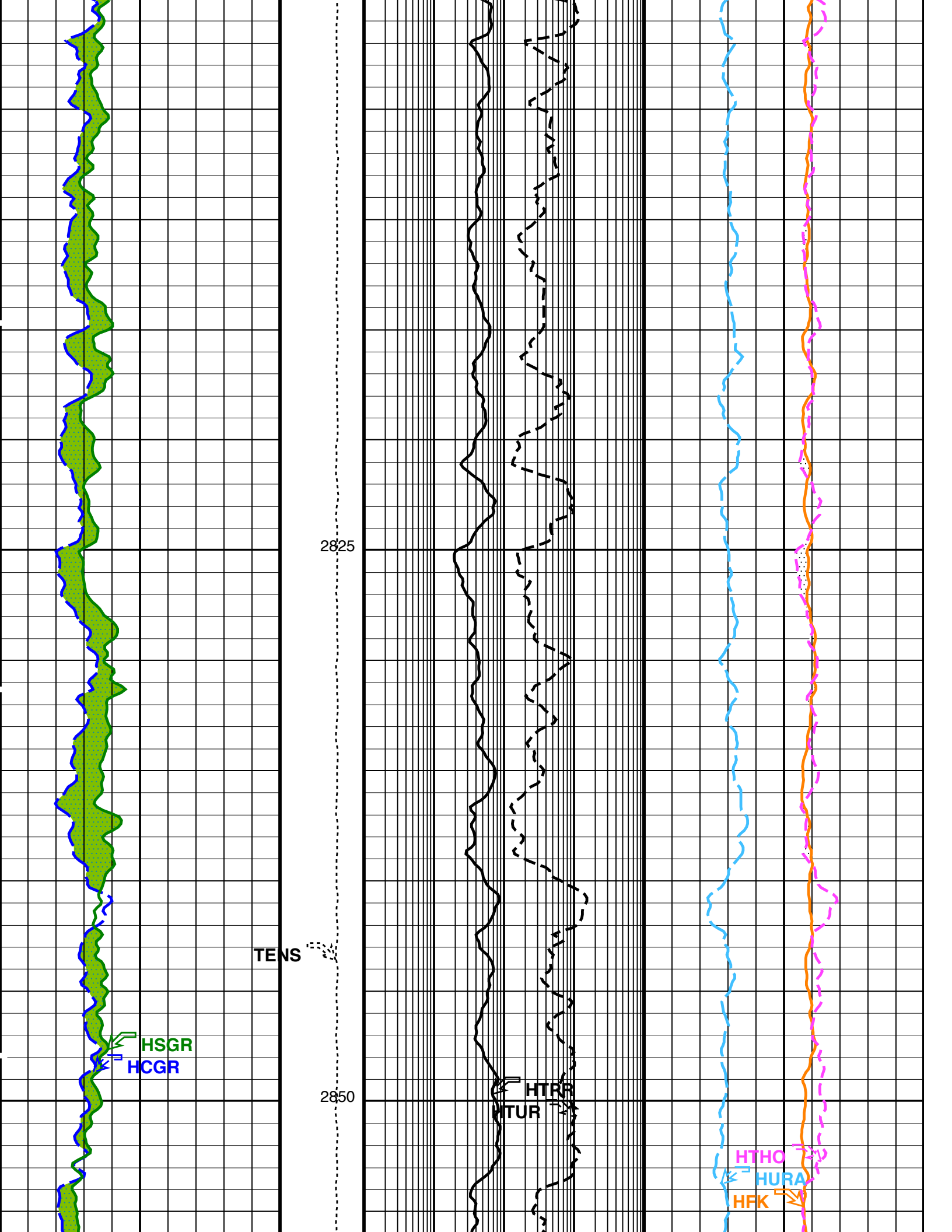
MCM

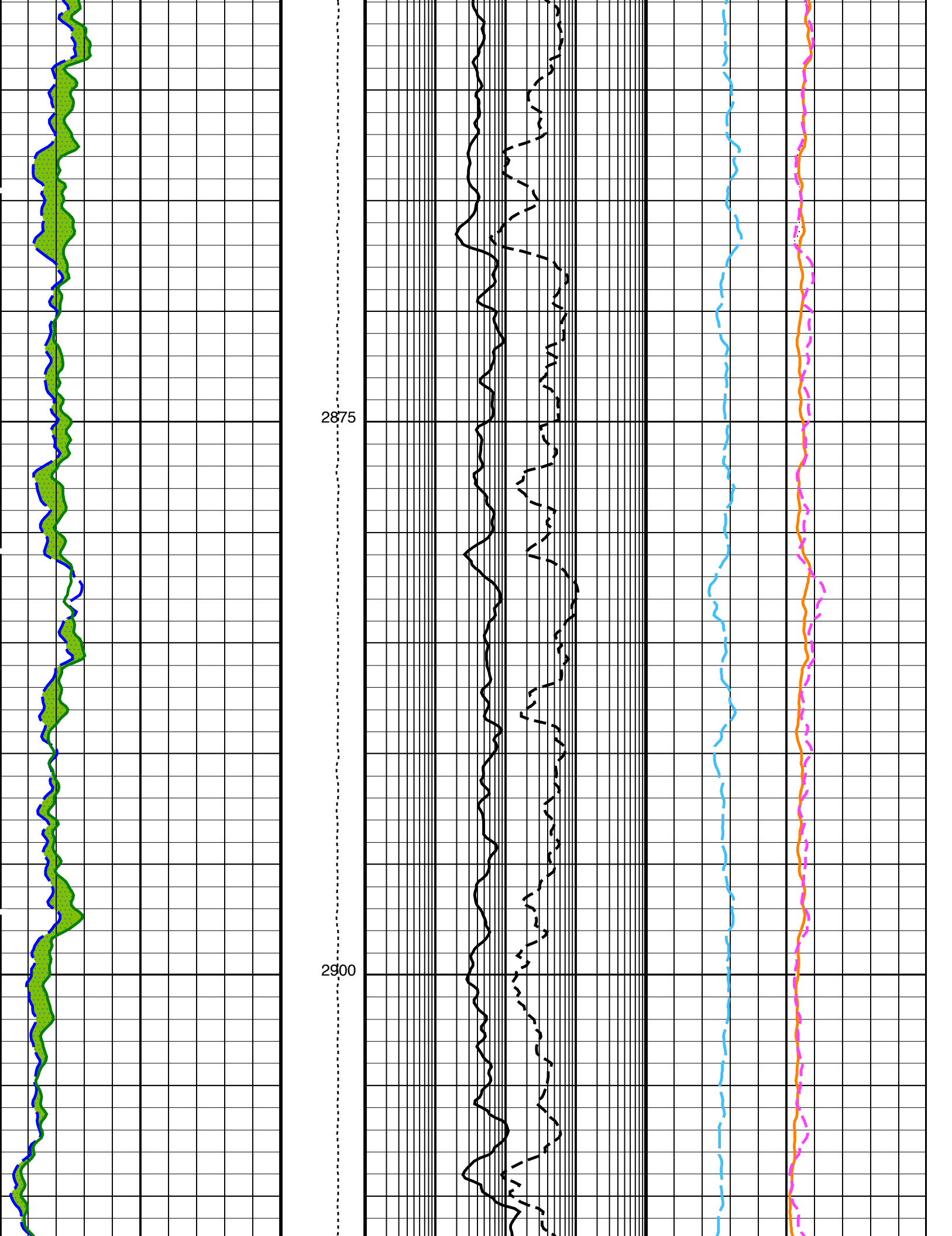
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EMS-B	12C0-301	HLDS	SPC-2602-NUCL
LDSC-B	SPC-2602-NUCL	APS-C	SPC-2602-NUCL
HNGC-B	SPC-2602-NUCL	HNGS-BA	SPC-2602-NUCL
DTC-H	12C0-301		

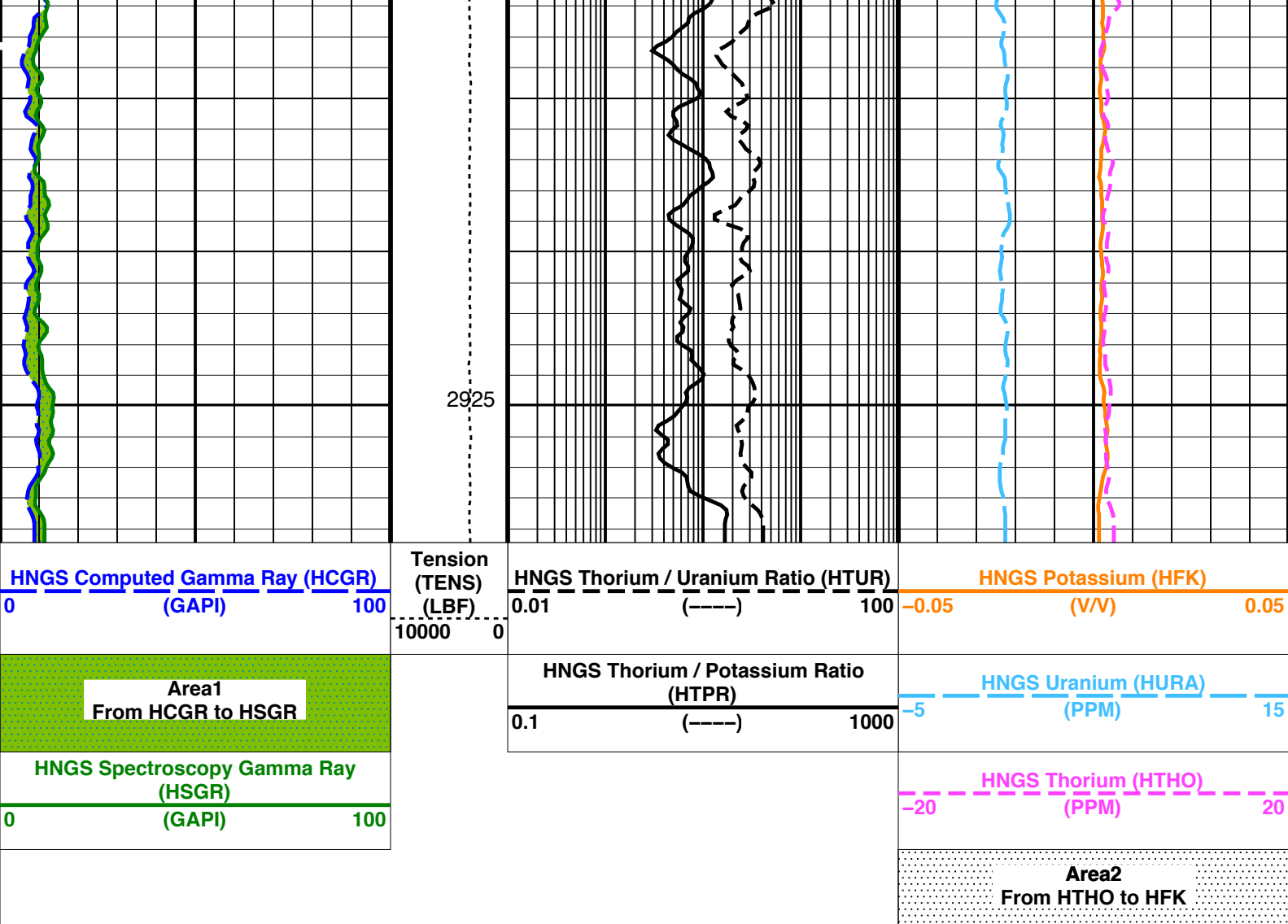












Parameters		
DLIS Name	Description	Value
DIT-E: Dual Induction – E		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
EMS-B: Environment		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
APS-C: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
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	LCAL
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	0.0280571
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	BARI
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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.918222	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.87146	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSRatios Vertical Scale: 1:200 Graphics File Created: 11-May-2006 15:18

OP System Version: 12C0-301

MCM

DIT-E	12C0-301	DTA-A	12C0-301
EMS-B	12C0-301	HLDS	SPC-2602-NUCL
LDSC-B	SPC-2602-NUCL	APS-C	SPC-2602-NUCL
HNGC-B	SPC-2602-NUCL	HNGS-BA	SPC-2602-NUCL
DTC-H	12C0-301		

Input DLIS Files

DEFAULT	Flip_PI_EMS_LDL_APS_049LUP	PRODUCER	11-May-2006 15:16	2929.4 M	2642.6 M
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Output DLIS Files

DEFAULT	PI_EMS_LDL_APS_NGS_050PUP	FN:44	PRODUCER	11-May-2006 15:17
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Company: **Lamont Doherty**

Schlumberger

Well: **KKGH01 Site 1 Hole A**

Field: **Kerala Konkan Basin**

Rig: **Joides Resolution**

Ocean: **Arabian Sea**

Natural Gamma Ray