



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1220550
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1220550

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

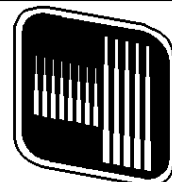
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Smitherman, Leon C., Jr.
Well Name	Weber B 6
Doc ID	1220550

All Electric Logs Run

Gamma Rau
Neutron
Lithodensity
X-Y Caliper
Induction
Micro Log
Sonic



Tucker
ENERGY SERVICES

BOREHOLE VOLUME

CALIPER LOG

Company LEON C. SMITHERMAN JR.
Well WEBER B #6
Field JOSEPH SOUTHEAST
Country BUTLER
State KANSAS
Country USA
API No. 15-015-24030

File No : TUL-596685
Company : LEON C. SMITHERMAN JR.
Well : WEBER B #6
Field : JOSEPH SOUTHEAST
Country : BUTLER
State : KANSAS
Country : USA
API No : 15-015-24030

Location :
 550' FSL & 984' FEL
 NE SW SE SE

LSD : **Sect** : 19 **Twp** : 24S **Rge** : 5E

Permanent Datum: GL **Elevations:** KB 1430.00 Ft **Services:** CNT PIT
Drilling Measured From: KB DF 1429.00 Ft LDT
Log Measured From: KB GL 1422.00 Ft MLT
Above Permanent Datum: 8.00 Ft

Date	06-23-2014	
Run Number	1	
Depth--Driller	2774.0	Ft
Depth--Logger	2774.0	Ft
First Reading	2751.0	Ft
Last Reading	222.0	Ft
Casing--Driller	222.0	Ft
Casing--Logger	222.0	Ft
Bit Size	7.875	In
Casing Size	8.625	In
Hole Fluid Type	WBM	
Density	9.4	
Fluid Loss	8.6	
PH/Viscosity	9.0	40.0
Sample Source	MEASURED	
RM@Measured Temp.	2.000	@ 80 F
RMF@Measured Temp	1.700	@ 80 F
RMG@Measured Temp.	2.310	@ 80 F
Source RMF/RMC	CALCULATED/CALCULATED	
RM@BHT	1.430	@ 115 F
Time Circulation Stopped	06-23-2014 2:00 pm	
Max Recorded Temp.	117	F
Equipment/Base	T-123	TULSA
Recorded By	S. DAVIS	
Witnessed By	B. STOUT	

The customer is hereby warned that by providing the log data herein, T. E. S. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. T. E. S. does not guarantee or warrant either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by T. E. S. personnel. Any interpretation, conversion or recommendation is not part of the consideration for the agreement between the parties and is not part of any part of the charge by T. E. S. for its services. Any user of the log data is warned that said user is not entitled to rely on interpretations, conversions or recommendations as aforesaid.

Bitsize Intervals		Casing Strings			
Size (In)	Bottom (Ft)	Size (In)	Weight (Lbs)	Bottom (Ft)	Top (Ft)
7.875	2774.00	8.625	24.00	222.00	0.00

Run Number	1	
Date	06-23-2014	
Date/Time On Bottom	06-23-2014 5:30 pm	
Depth to Fluid	0.0	Ft
Salinity	1000.000	
RMF@BHT	1.210	@ 115 F
RMC@BHT	1.640	@ 115 F

Run Number 1

Comments

ALL PRESENTATION PER CUSTOMER REQUEST
 GRT,CNT,LDT,PIT RUN IN COMBINATION
 CALIPERS ORIENTED ON X-Y AXIS
 2.71 G/CC USED TO CALCULATE POROSITY
 ANNULAR & BOREHOLE VOLUME CALCULATED USING 5.5 PRODUCTION CASING
 PHIN IS CALIPER CORRECTED
 DETAIL FROM TD TO 2000'

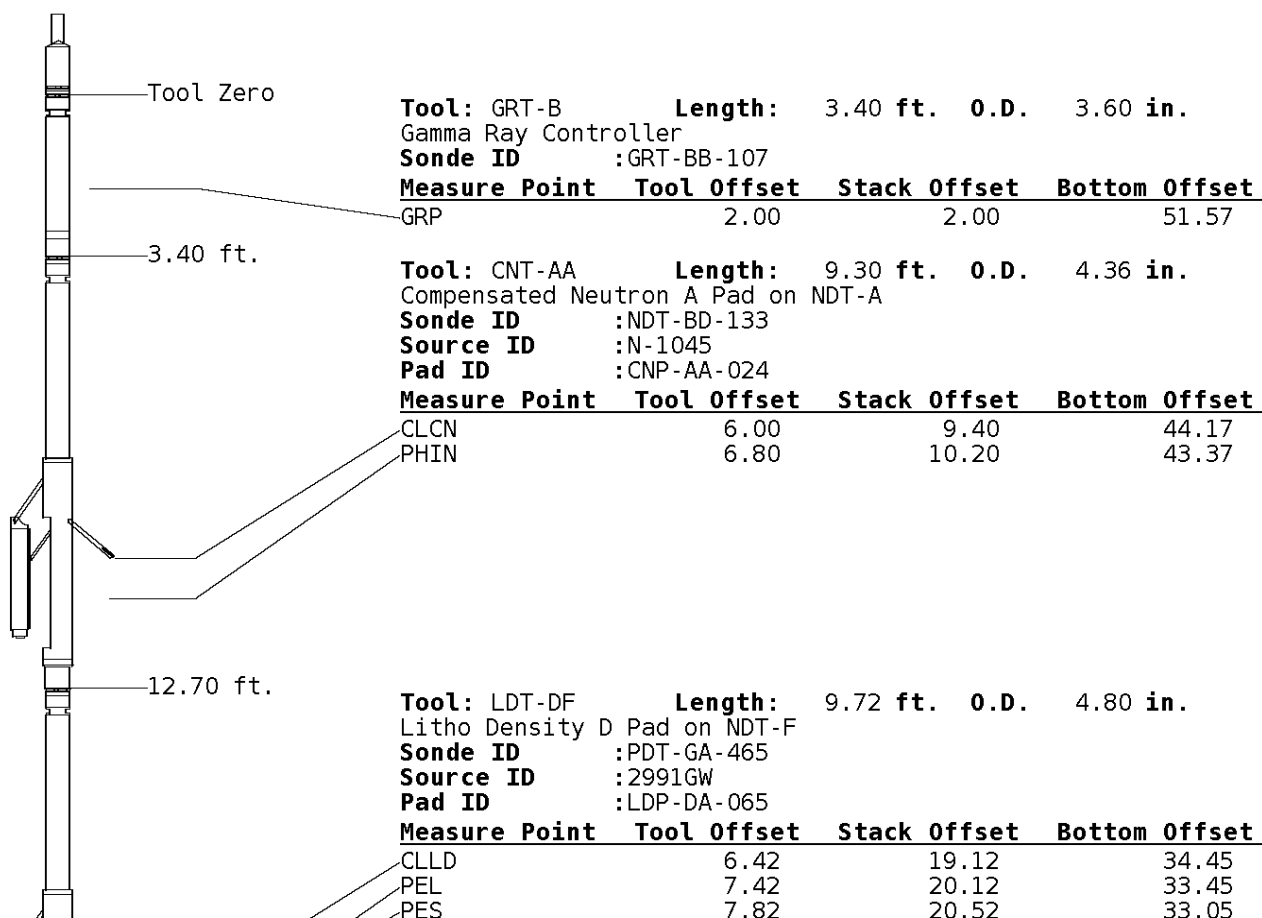
GRT; GRP,
 CNT; PHIN, CLCNIN
 LDT; PORL, LCORN, PECLN, LDENN, CLLDIN
 MLT; NOR.RF, INV.RF, MSCLPIN.
 PIT; ILD, ILM, SPU, SFLAEC, CIRD

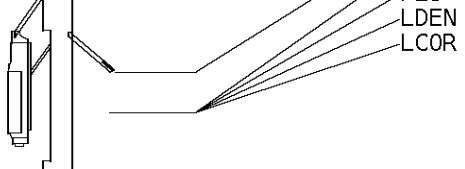
OPERATORS;

C. GONZALES
 J. THOMAS

Tool String Schematic

Total Tool Length - 53.57 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 943.00 lbs.





7.62	20.32	33.25
7.62	20.32	33.25

22.42 ft.

Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC)
Sonde ID :MST-DA-057

Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	30.02	23.55
MSCLP	7.60	30.02	23.55
INV	7.60	30.02	23.55
NOR	7.60	30.02	23.55



32.08 ft.

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AB-005

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	41.00	12.56
ILM	10.10	42.18	11.39
SFLU	17.49	49.57	4.00
SP	20.60	52.68	0.88



LWT — 53.57 ft.

Well File: leo-web-b-6-mstj-jun-23	Scale: 1:240	Format: CAL-240
Segment: V1.D1.S6 MAIN	Acquired: 2014-06/23 17:39 3.3.0-12594	
Reference: 0	Processed: 2014-06/23 18:33 3.3.0-12594	

BIT SIZE INCHES (IN)	
6	16

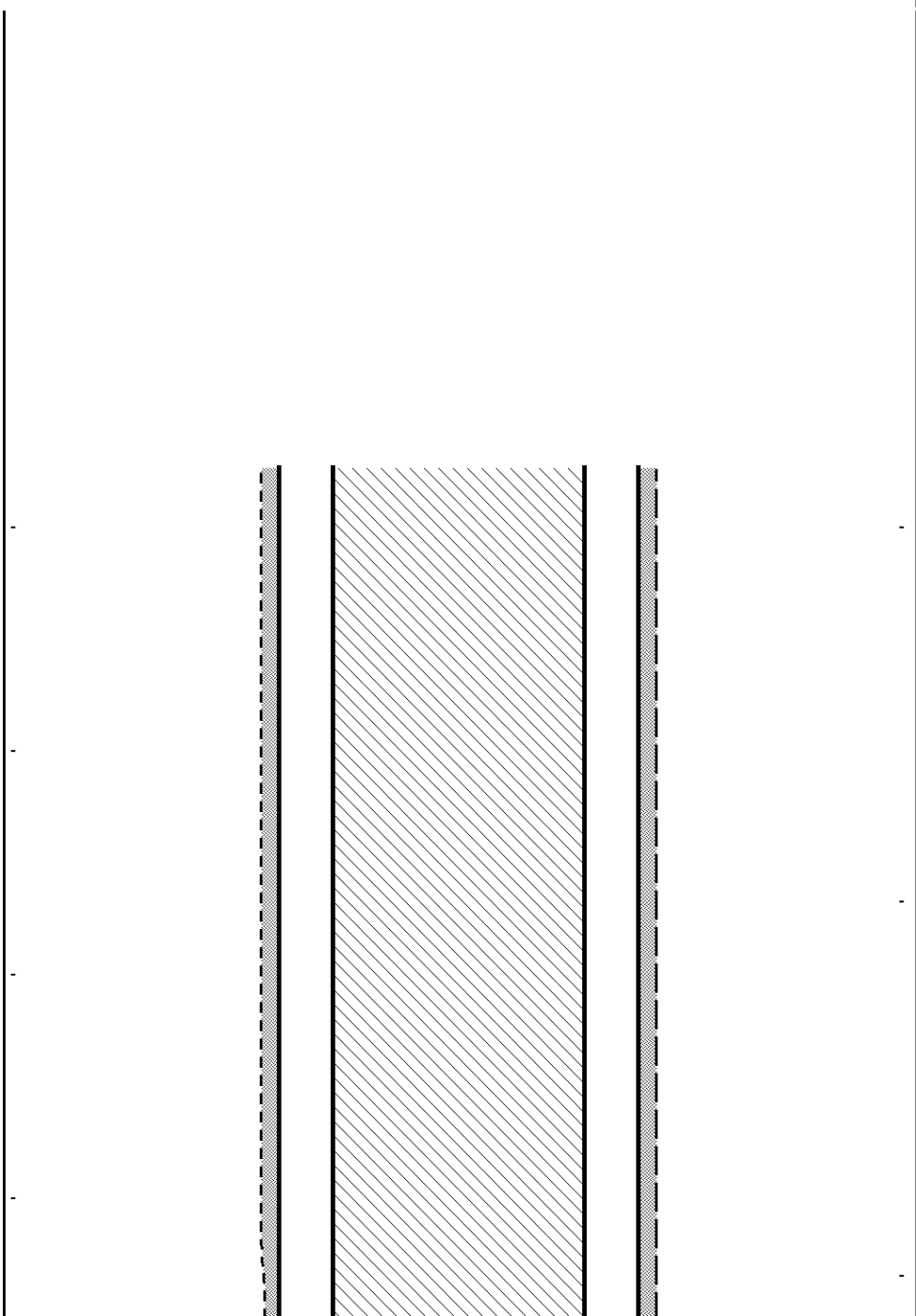
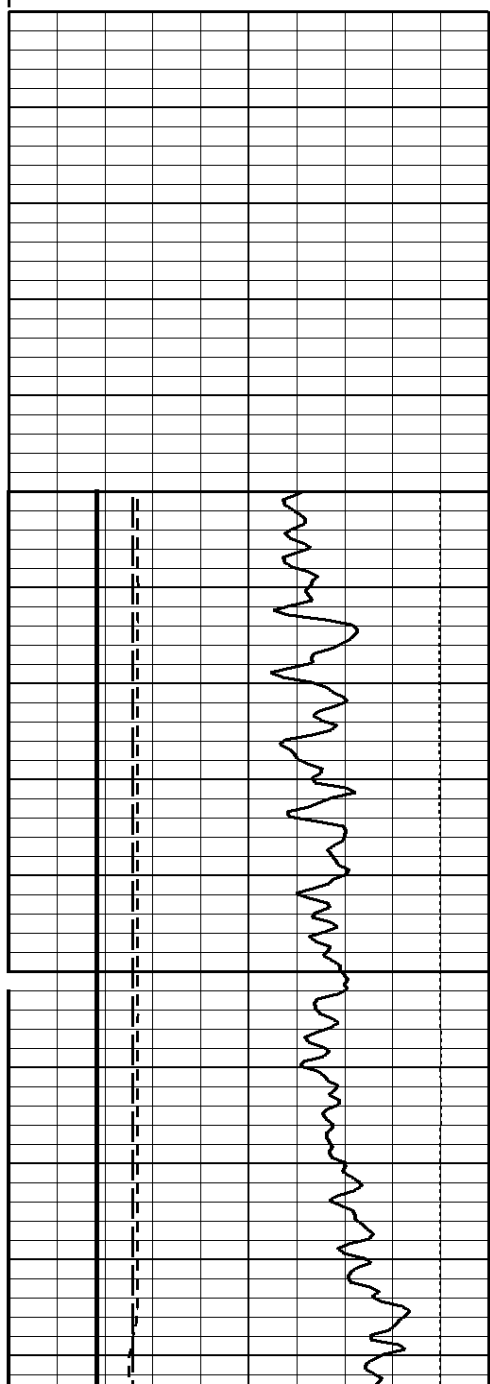
Y CALIPER INCHES (IN)	
16	26

16 6	26 16
X CALIPER INCHES (IN)	
16 6	26 16
TENSION LBS	
10000	0
GAMMA RAY API UNITS	
150 0	300 150

**BOREHOLE VOLUME
CU.FT**

**ANNULAR HOLE VOLUME
CU.FT.**

1:240 MAIN SECTION



2100

-200Cu. ft

2200

100Cu. ft-

← GR

← N CAL

← L D CAL

← L CAL

← N CAL

← BIT

← LWT

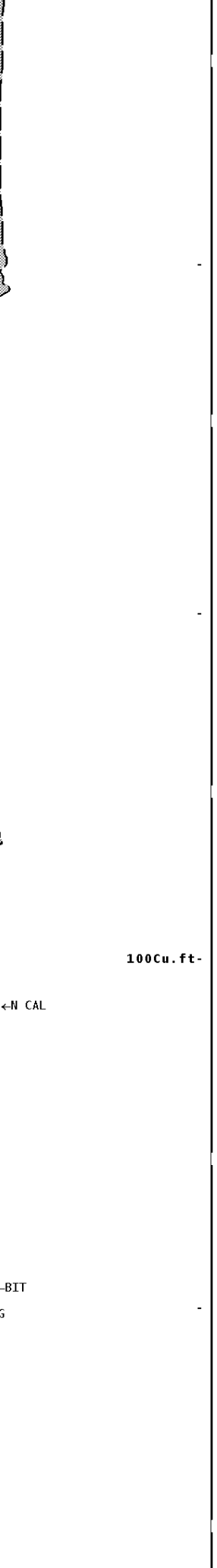
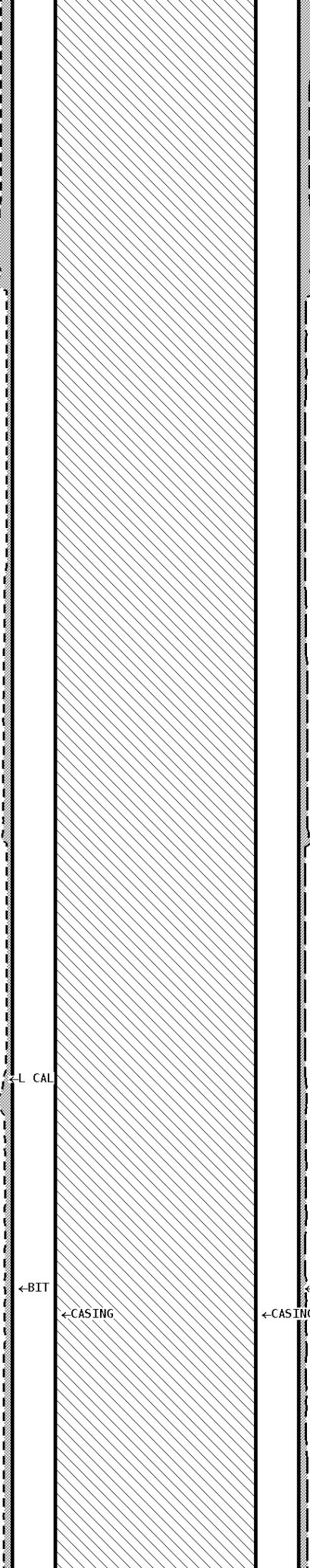
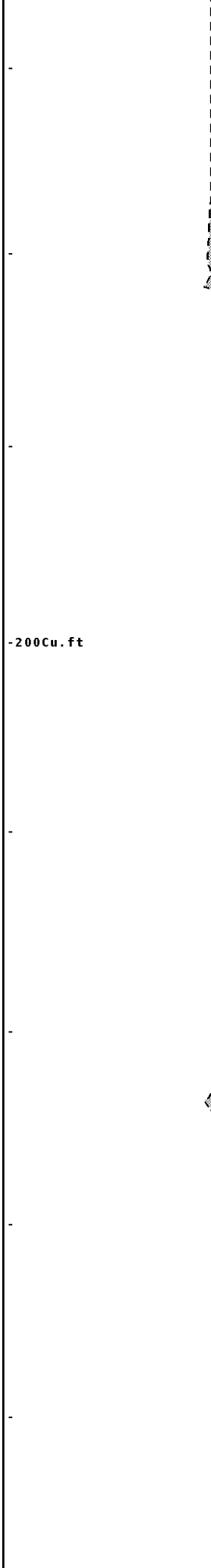
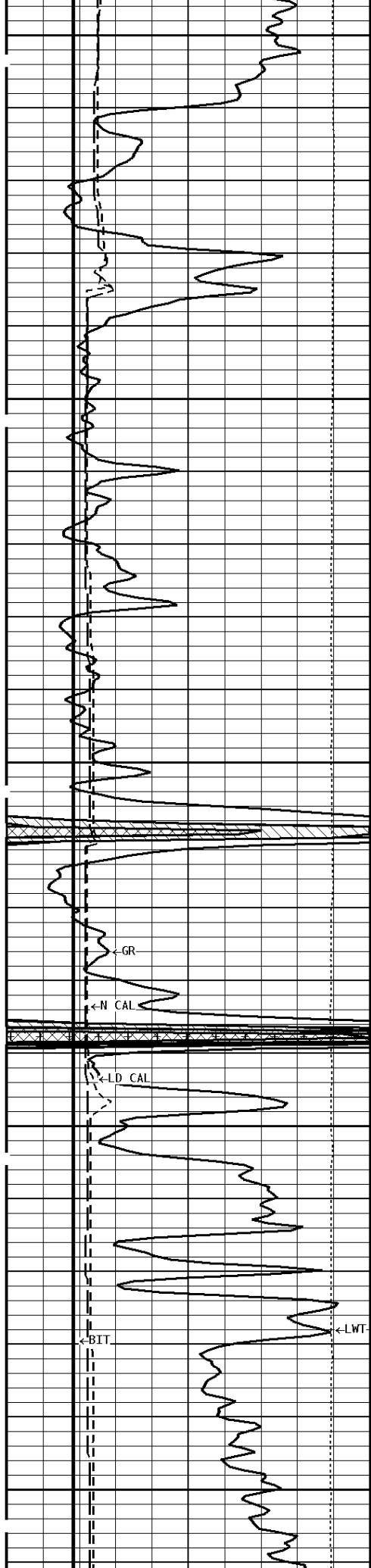
← BIT

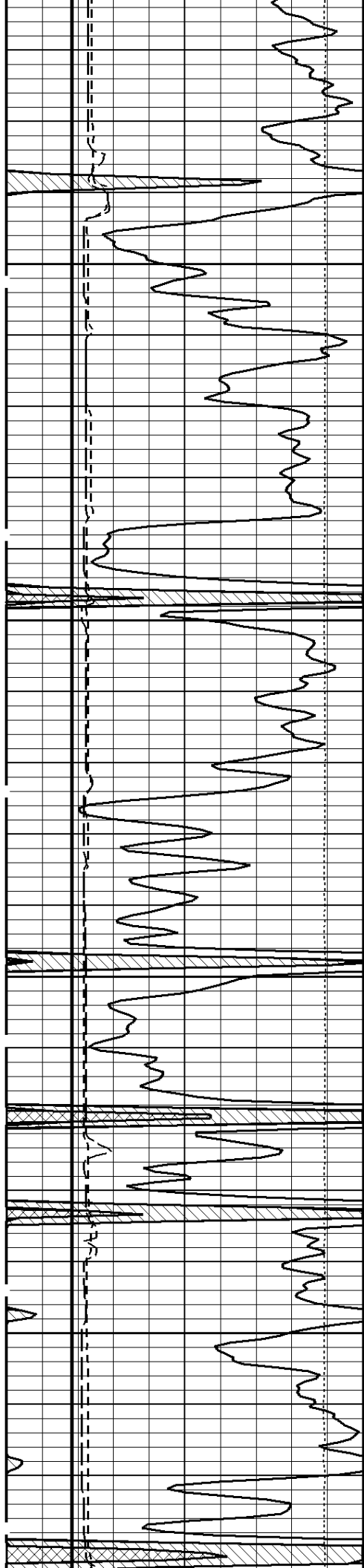
← CASING

← BIT

← CASING

2300

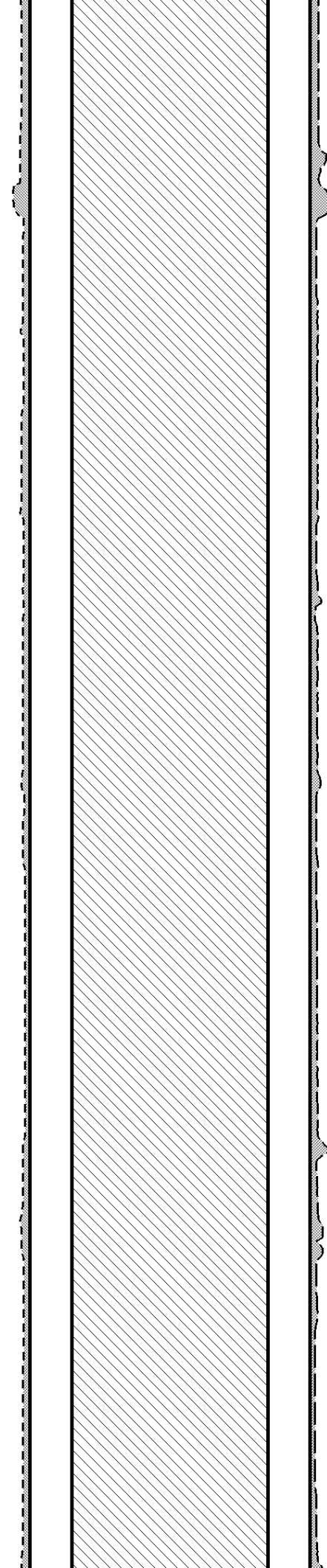


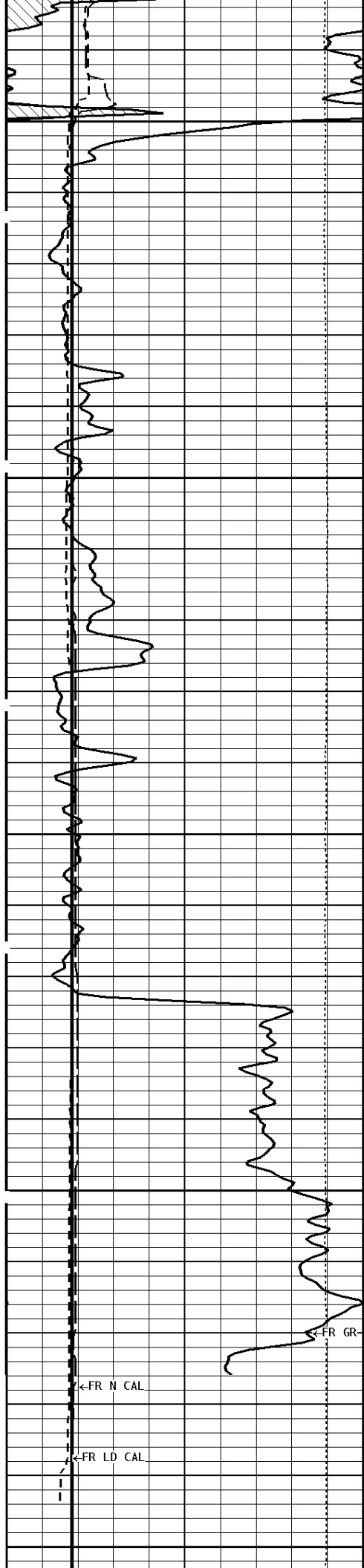


2400

-100Cu. ft

2500





2600

2700

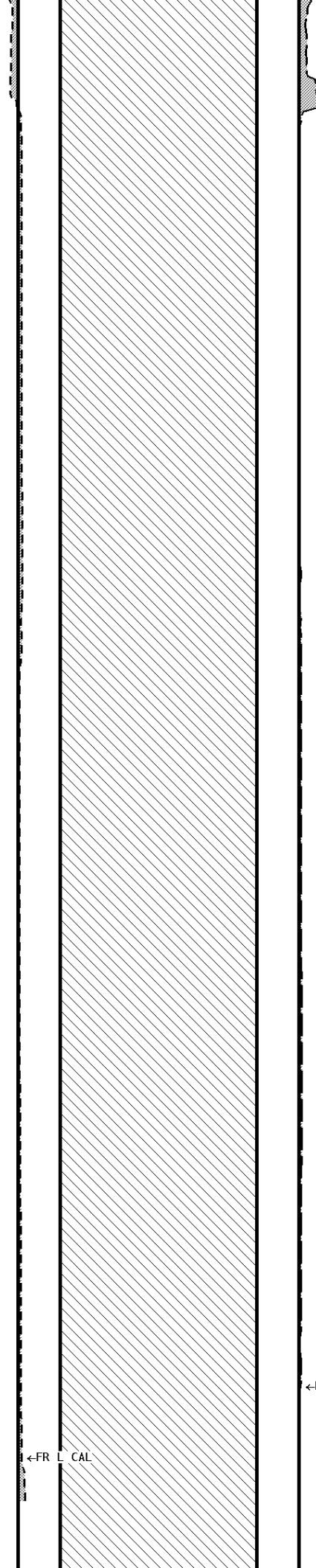
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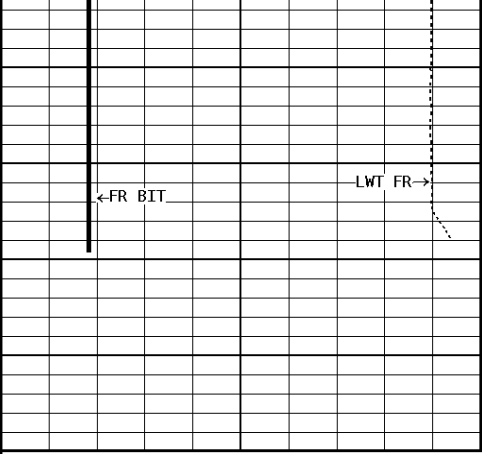
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<FR GR

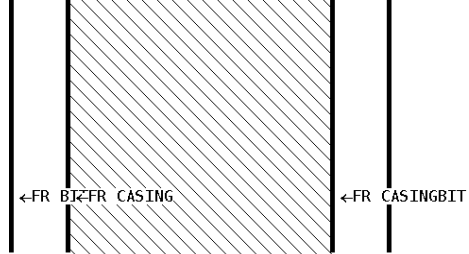
<FR L CAL

<FR N CAL





2774



1:240 MAIN SECTION

GAMMA RAY API UNITS	
150 0	300 150
TENSION LBS	
10000	0
X CALIPER INCHES (IN)	
16 6	26 16
Y CALIPER INCHES (IN)	
16 6	26 16
BIT SIZE INCHES (IN)	
6	16

BOREHOLE VOLUME CU.FT

ANNULAR HOLE VOLUME CU.FT.

*** Borehole Zone Factors ***

Zone 1	99999.0 to	0.0 Feet
Drill Bit Size		7.875 in
Casing Diameter		5.500 in

*** Calibration Summary ***

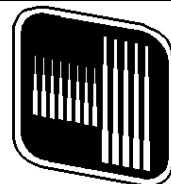
Shop Calibration GRT-B					
Performed : 21-APR-2014			Time : 11:21		
Sensor Suite : GR-GR5			ID : GRT-BB-107		
	Measured	Units	Calibrated	Units	
GR	Background	Jig	Jig	GRAPI	
	75	381	175		

Shop Calibration CNT-AA					
Performed : 29-MAY-2014			Time : 10:57		
Sensor Suite : CALI-BCN			ID : NDT-BD-133		
	Jig - Measured	Units	Jig - Calibrated	Units	
	Ring#1	Ring#2	Ring#1	Ring#2	

CL # 1	9.3	13.9	6.0	12.0	IN.
Shop Calibration					
LDT-DF					
Performed : 29-MAY-2014			Time : 13:15		
Sensor Suite : CALI-LTH			ID : PDT-GA-465		
	Jig - Measured		Jig - Calibrated		Units
	Ring#1	Ring#2	Ring#1	Ring#2	
CL # 1	7.2	10.9	6.0	12.0	IN.



Company: LEON C. SMITHERMAN JR.
 Well: WEBER B #6
 Location: 550' FSL & 984' FEL
 Logged: 06-23-2014
 K.B. Elev: 1430.0 Ft



Tucker
ENERGY SERVICES

PHASED INDUCTION
SHALLOW FOCUS SP LOG

Company	LEON C. SMITHERMAN JR. WEBER B #6
Well	JOSEPH SOUTHEAST
Field	BUTLER
Country	KANSAS
State	USA
API No.	15-015-24030

File No	: TUL-596685
Company	: LEON C. SMITHERMAN JR.
Well	: WEBER B #6
Field	: JOSEPH SOUTHEAST
Country	: BUTLER
State	: KANSAS
Country	: USA
API No	: 15-015-24030

Location	: 550' FSL & 984' FEL
	: NE SW SE SE

LSD	:	Sect	: 19	Twp	: 24S	Rge	: 5E
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Permanent Datum:	GL	Elevations:		Services:	
Drilling Measured From:	KB	KB 1430.00	Ft	CNT	PIT
Log Measured From:	KB	DF 1429.00	Ft	LDT	
Above Permanent Datum:	8.00 Ft	GL 1422.00	Ft	MLT	

Date	06-23-2014				
Run Number	1				
Depth--Driller	2774.0	Ft			
Depth--Logger	2774.0	Ft			
First Reading	2774.0	Ft			
Last Reading	222.0	Ft			
Casing--Driller	222.0	Ft			
Casing--Logger	222.0	Ft			
Bit Size	7.875	In			
Casing Size	8.625	In			
Hole Fluid Type	WBM				
Density	9.4				
Fluid Loss	8.6				
PH/Viscosity	9.0		40.0		
Sample Source	MEASURED				
RM@Measured Temp.	2.000	@ 80	F		
RMF@Measured Temp	1.700	@ 80	F		
RMG@Measured Temp.	2.310	@ 80	F		
Source RMF/RMC	CALCULATED/CALCULATED				
RM@BHT	1.430	@ 115	F		
Time Circulation Stopped	06-23-2014 2:00 pm				
Max Recorded Temp.	117		F		
Equipment/Base	T-123		TULSA		
Recorded By	S. DAVIS				
Witnessed By	B. STOUT				

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Bitsize Intervals		Casing Strings			
Size (In)	Bottom (Ft)	Size (In)	Weight (Lbs)	Bottom (Ft)	Top (Ft)
7.875	2774.00	8.625	24.00	222.00	0.00

Run Number	1
Date	06-23-2014
Date/Time On Bottom	06-23-2014 5:30 pm
Depth to Fluid	0.0 Ft
Salinity	1000.000
RMF@BHT	1.210 @ 115 F
RMC@BHT	1.640 @ 115 F

ALL PRESENTATION PER CUSTOMER REQUEST
 GRT,CNT,LDT,PIT RUN IN COMBINATION
 CALIPERS ORIENTED ON X-Y AXIS
 2.71 G/CC USED TO CALCULATE POROSITY
 ANNULAR & BOREHOLE VOLUME CALCULATED USING 5.5 PRODUCTION CASING
 PHIN IS CALIPER CORRECTED
 DETAIL FROM TD TO 2000'

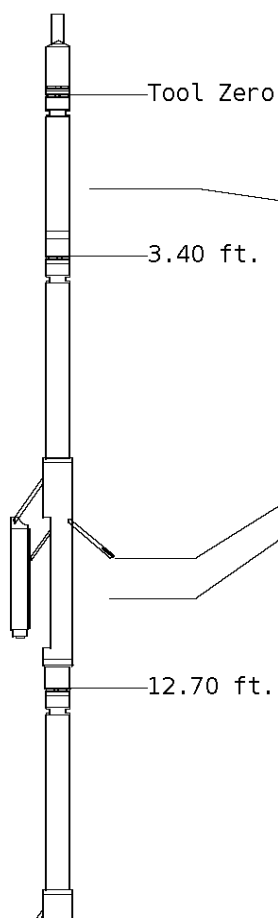
GRT; GRP,
 CNT; PHIN, CLCNIN
 LDT; PORL, LCORN, PECLN, LDENN, CLLDIN
 MLT; NOR.RF, INV.RF, MSCLPIN.
 PIT; ILD, ILM, SPU, SFLAEC, CIRD

OPERATORS;

C. GONZALES
 J. THOMAS

Tool String Schematic

Total Tool Length - 53.57 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 943.00 lbs.



Tool: GRT-B **Length:** 3.40 ft. **O.D.** 3.60 in.
 Gamma Ray Controller

Sonde ID :GRT-BB-107

Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	51.57

Tool: CNT-AA **Length:** 9.30 ft. **O.D.** 4.36 in.
 Compensated Neutron A Pad on NDT-A

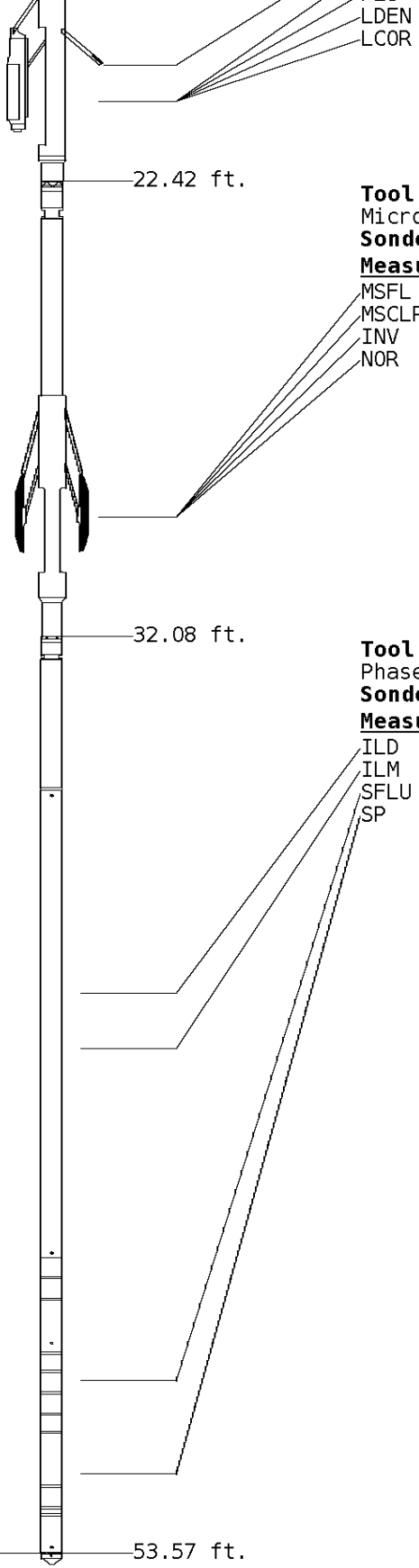
Sonde ID :NDT-BD-133
Source ID :N-1045
Pad ID :CNP-AA-024

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLCN	6.00	9.40	44.17
PHIN	6.80	10.20	43.37

Tool: LDT-DF **Length:** 9.72 ft. **O.D.** 4.80 in.
 Litho Density D Pad on NDT-F

Sonde ID :PDT-GA-465
Source ID :2991GW
Pad ID :LDP-DA-065

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.42	19.12	34.45
PEL	7.42	20.12	33.45
PES	7.82	20.52	33.05



Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC)
Sonde ID :MST-DA-057

Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	30.02	23.55
MSCLP	7.60	30.02	23.55
INV	7.60	30.02	23.55
NOR	7.60	30.02	23.55

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AB-005

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	41.00	12.56
ILM	10.10	42.18	11.39
SFLU	17.49	49.57	4.00
SP	20.60	52.68	0.88

Well File: leo-web-b-6-mstj-jun-23 **Scale:** 1:600 **Format:** DIL-600
Segment: V1.D1.S6 MAIN **Acquired:** 2014-06/23 17:39 3.3.0-12594
Reference: 0 **Processed:** 2014-06/23 18:33 3.3.0-12594

TENSION	
LBS	
10000	0

DEEP INDUCTION	
OHMM	
0.0	500.0
0.0	50.0

SPONTANEOUS POTENTIAL	
mV	

SHALLOW FOCUSED RESISTIVITY	
OHMM	
0.0	500.0

→ ← 20

0.0 500.0
0.0 50.0

GAMMA RAY
API UNITS

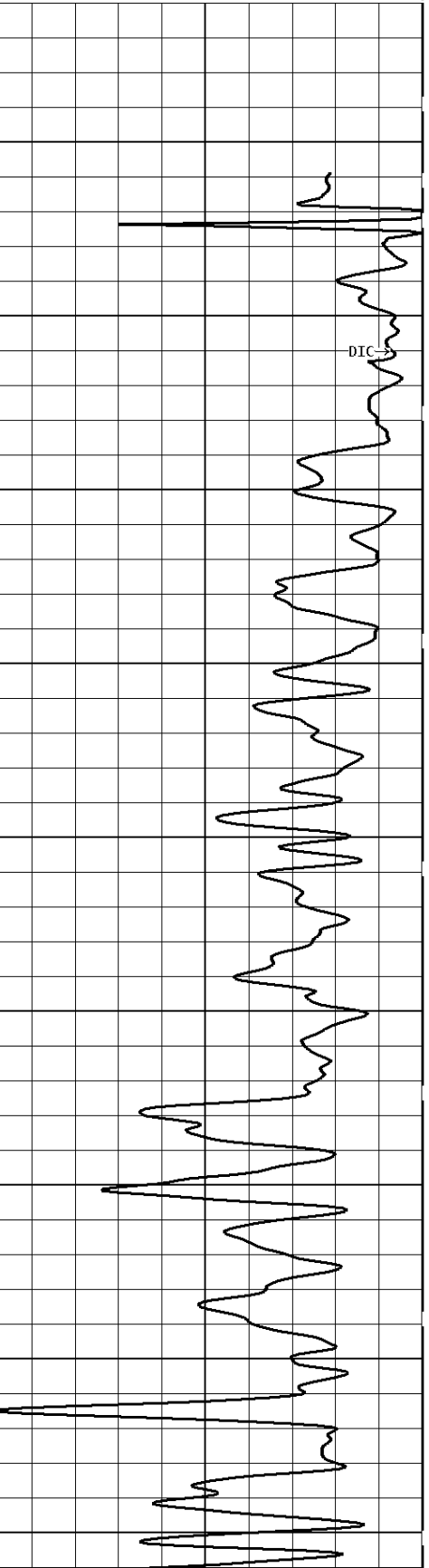
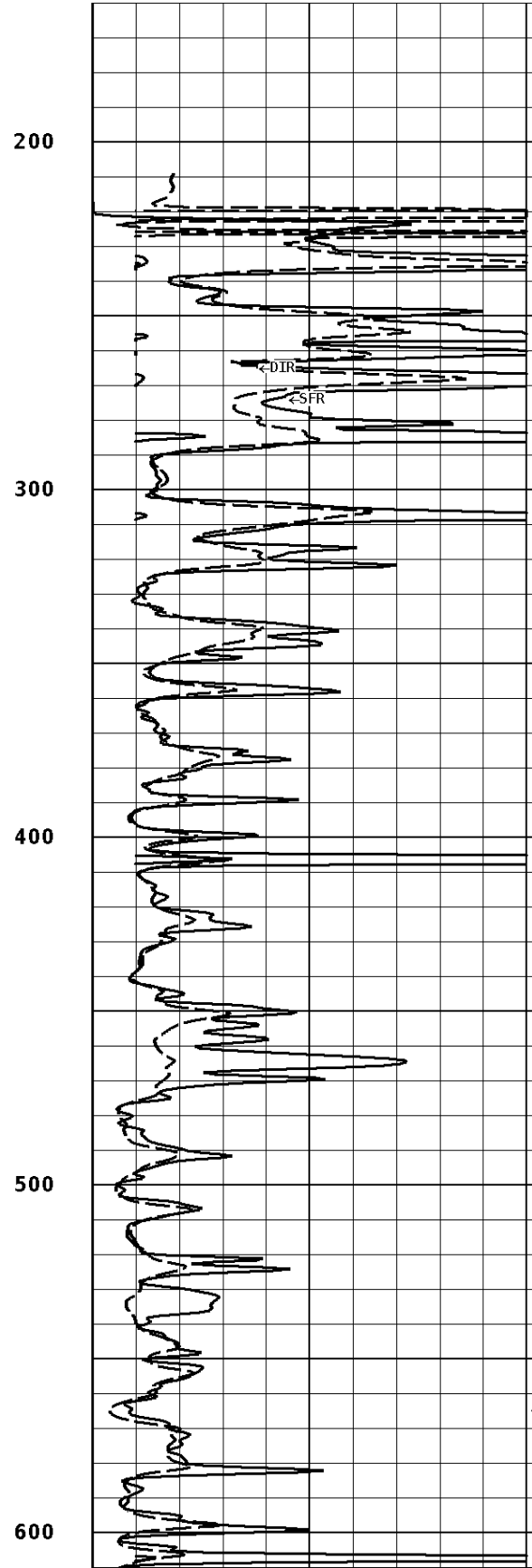
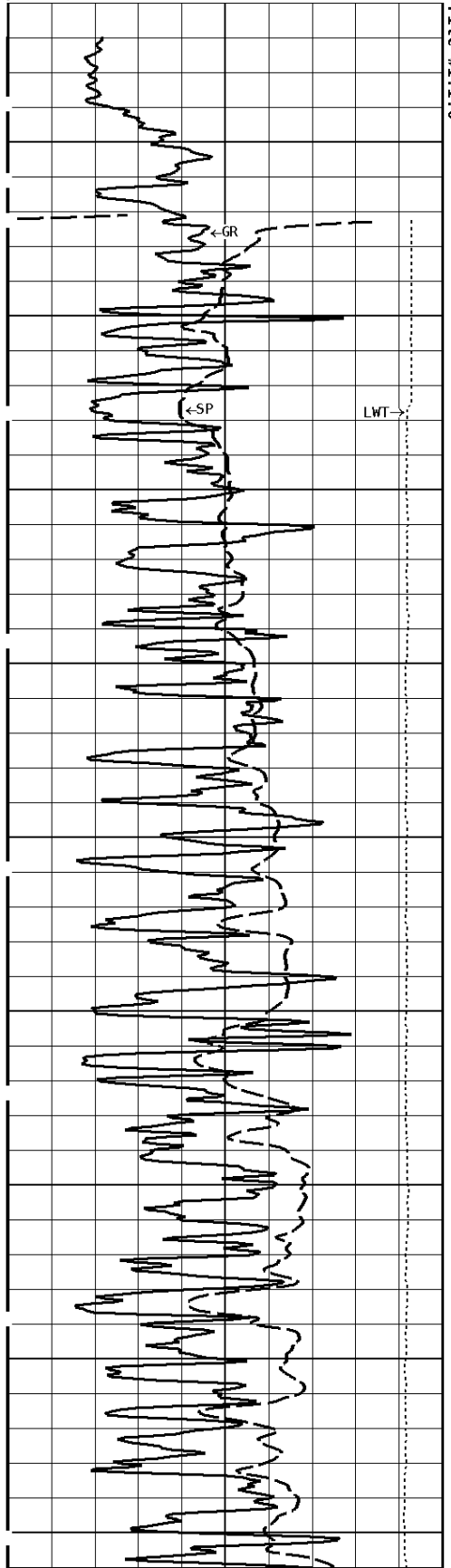
DEEP CONDUCTIVITY
MMHO

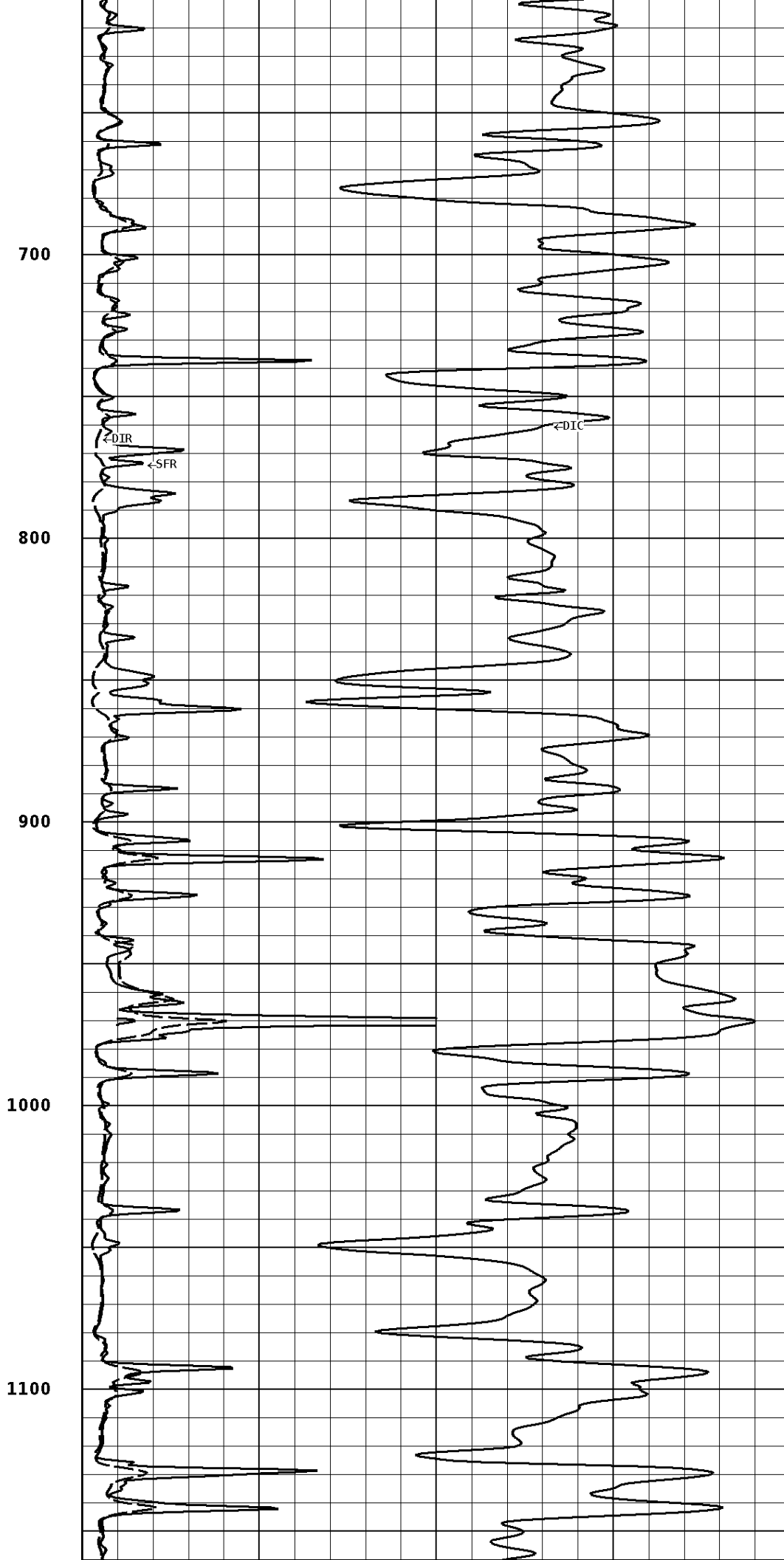
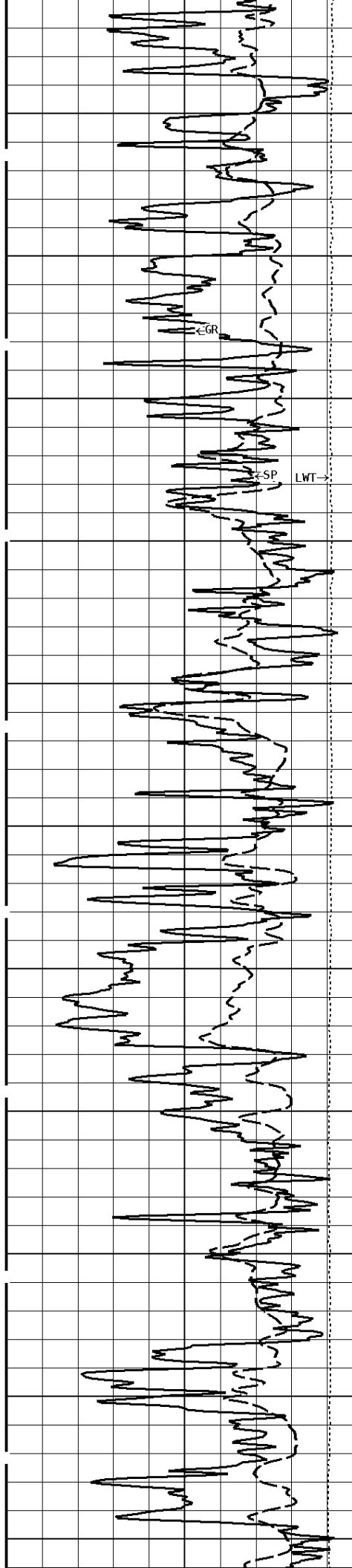
150 0 300 150

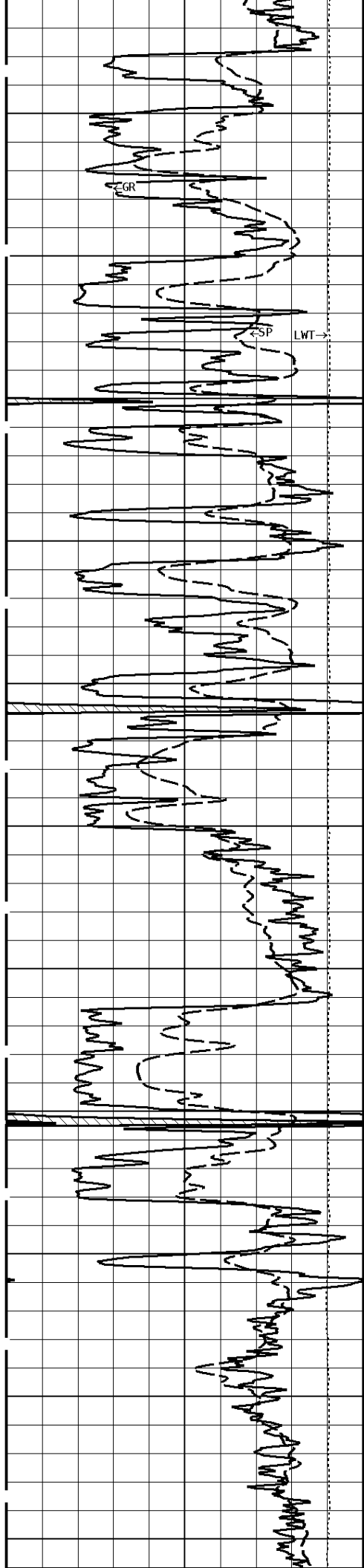
2000 1000

1000 0

1:600 MAIN SECTION







1200

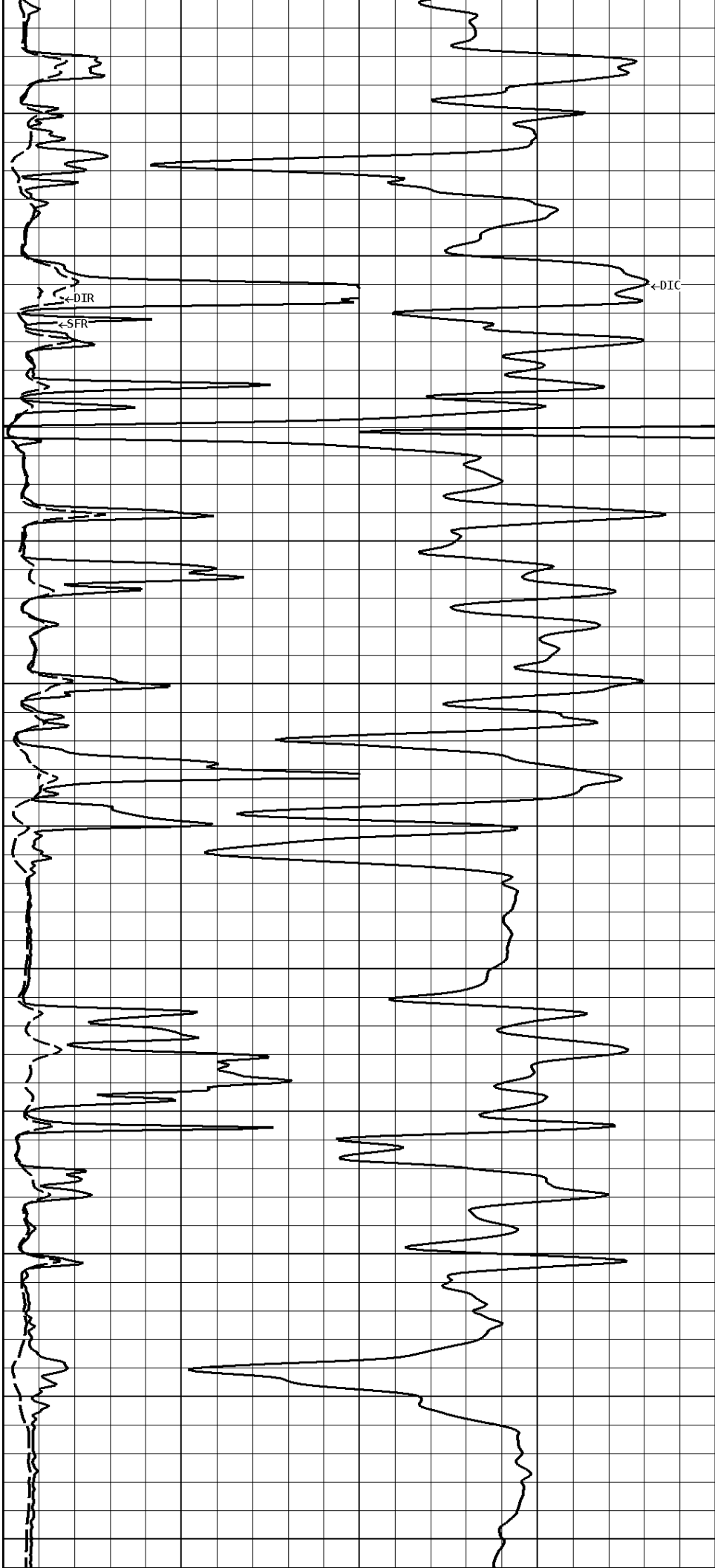
1300

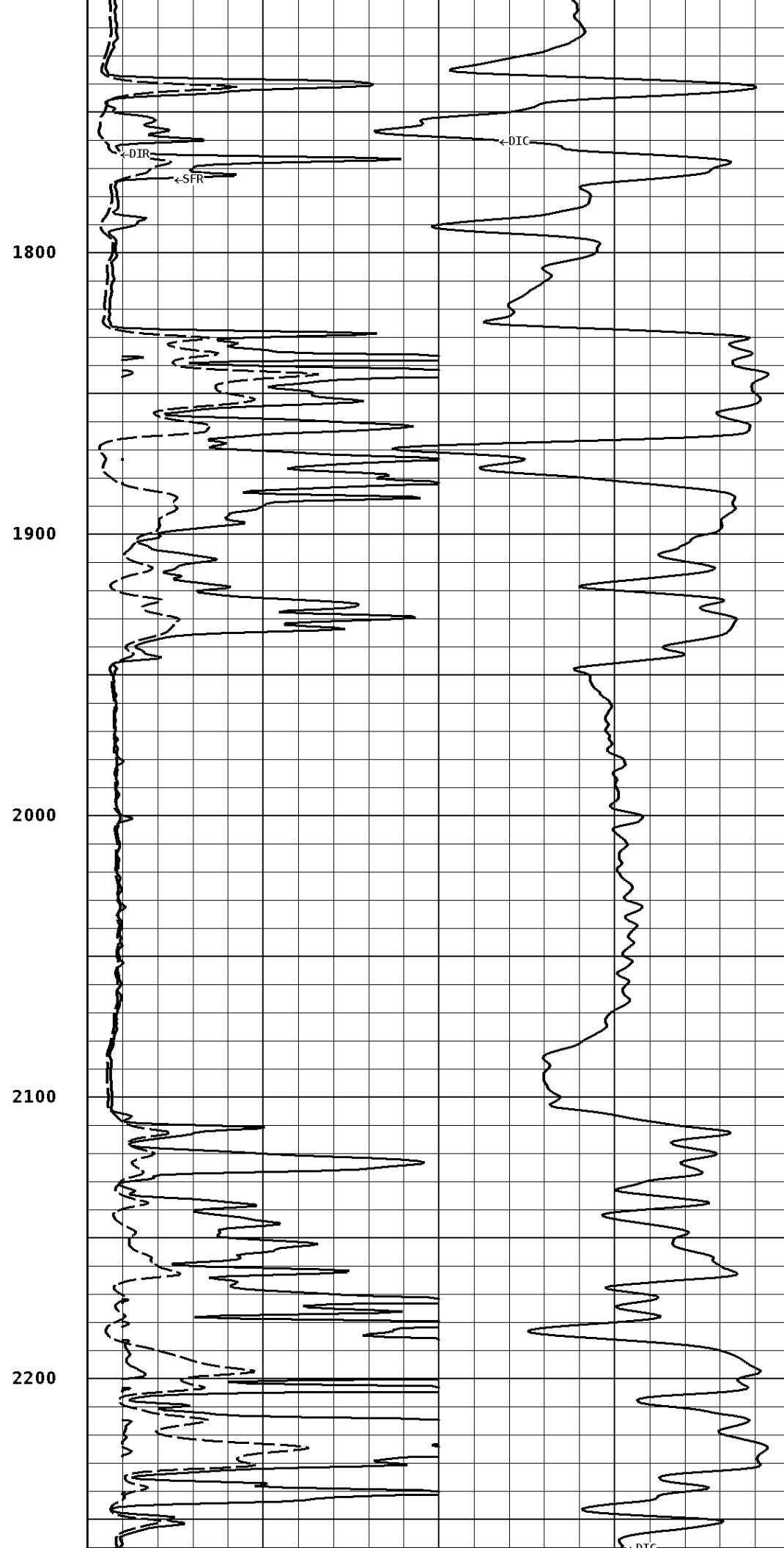
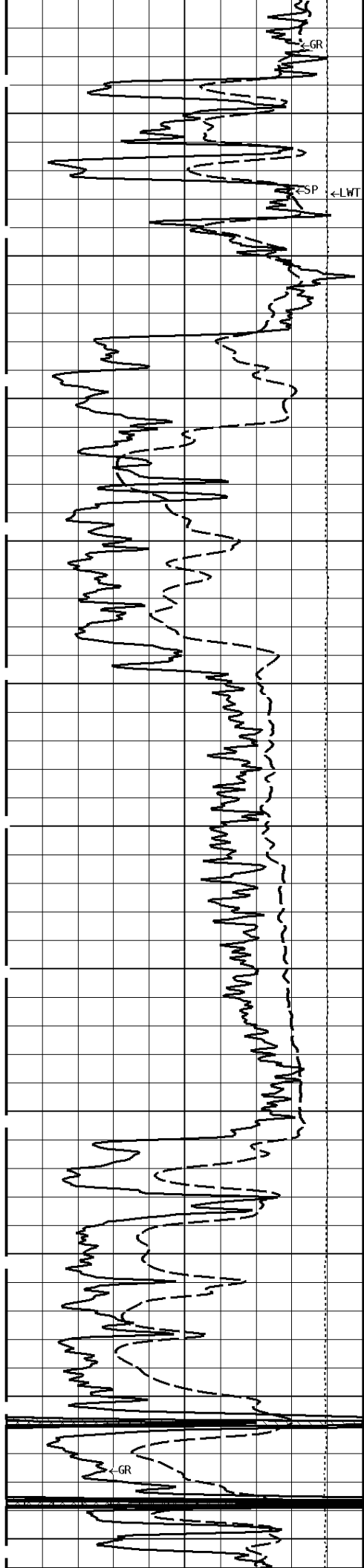
1400

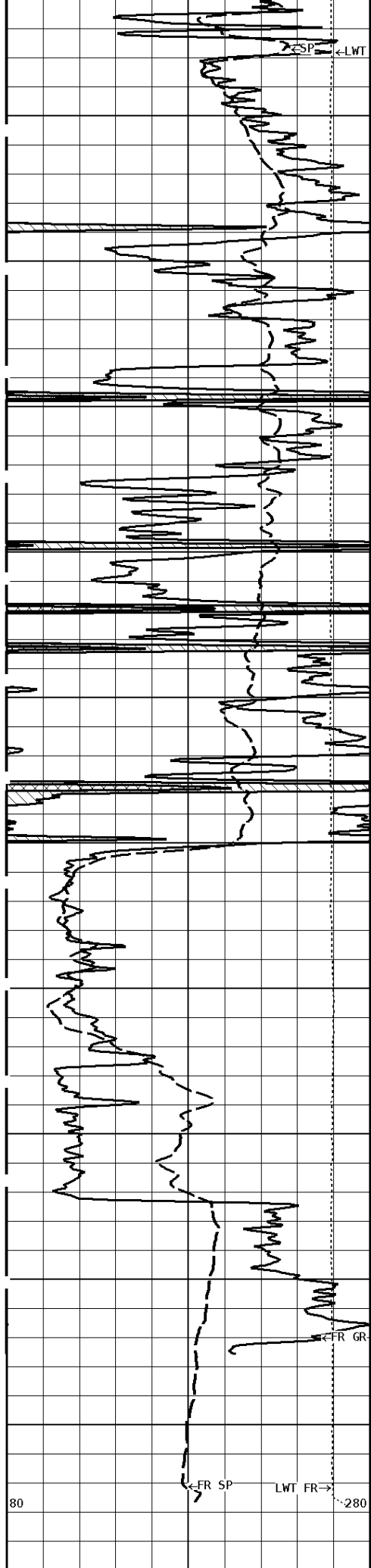
1500

1600

1700







2300

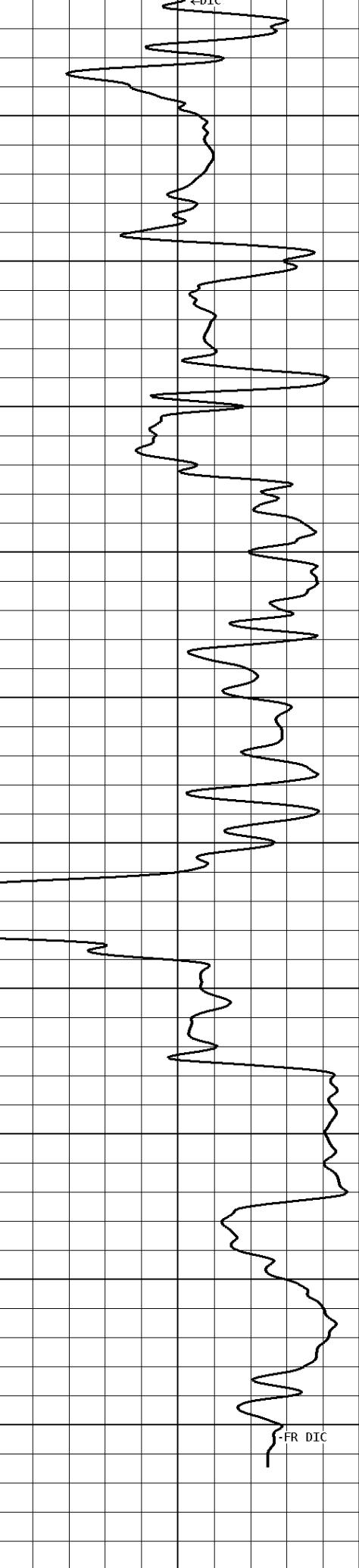
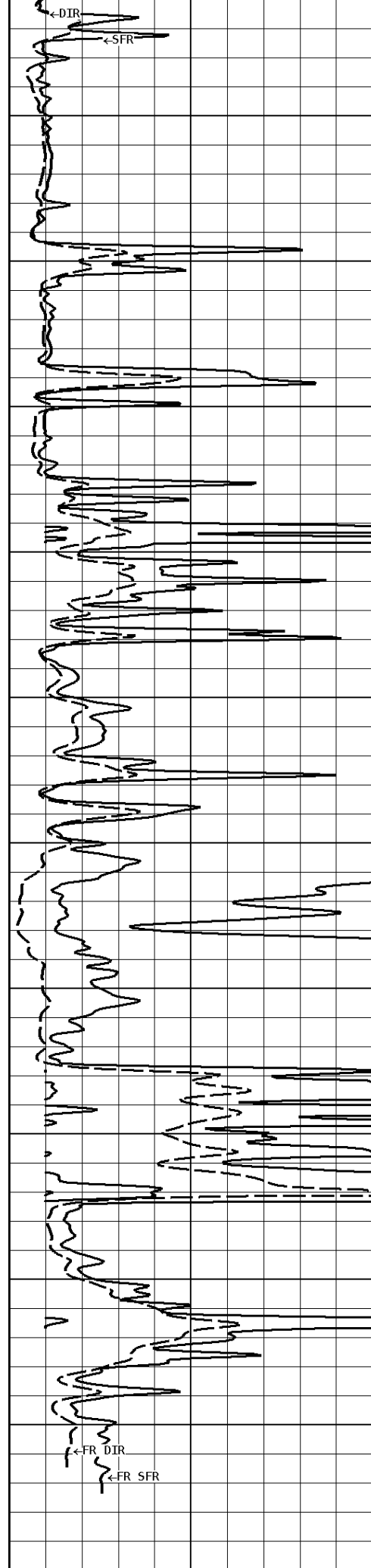
2400

2500

2600

2700

2774

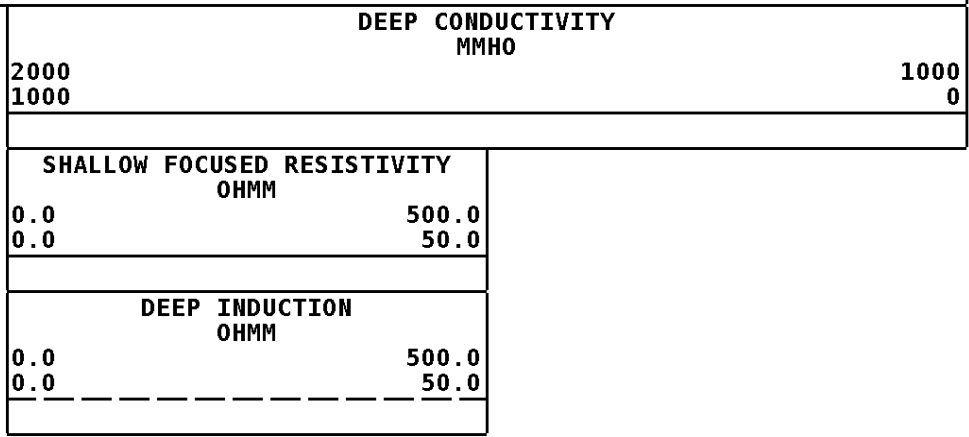
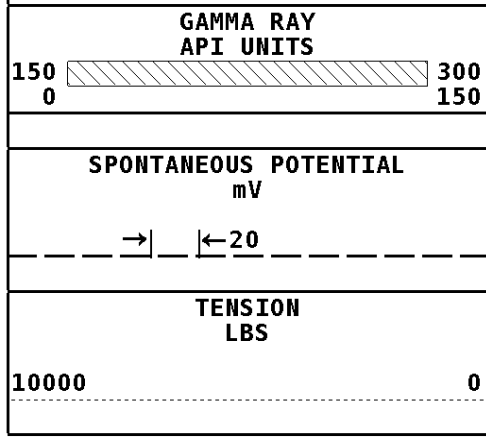


80

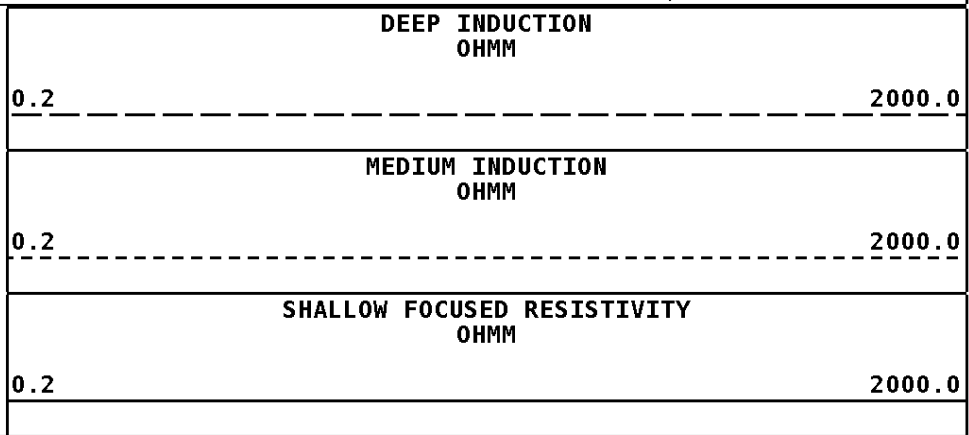
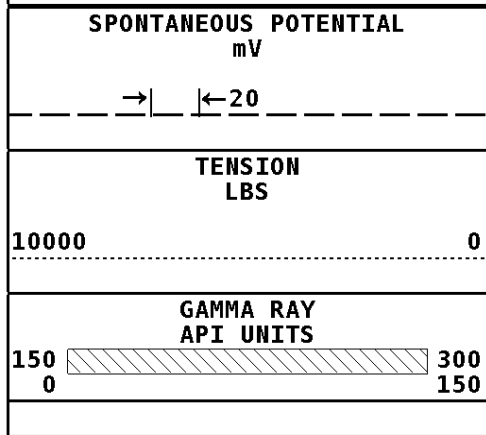
280

File #1.1.6

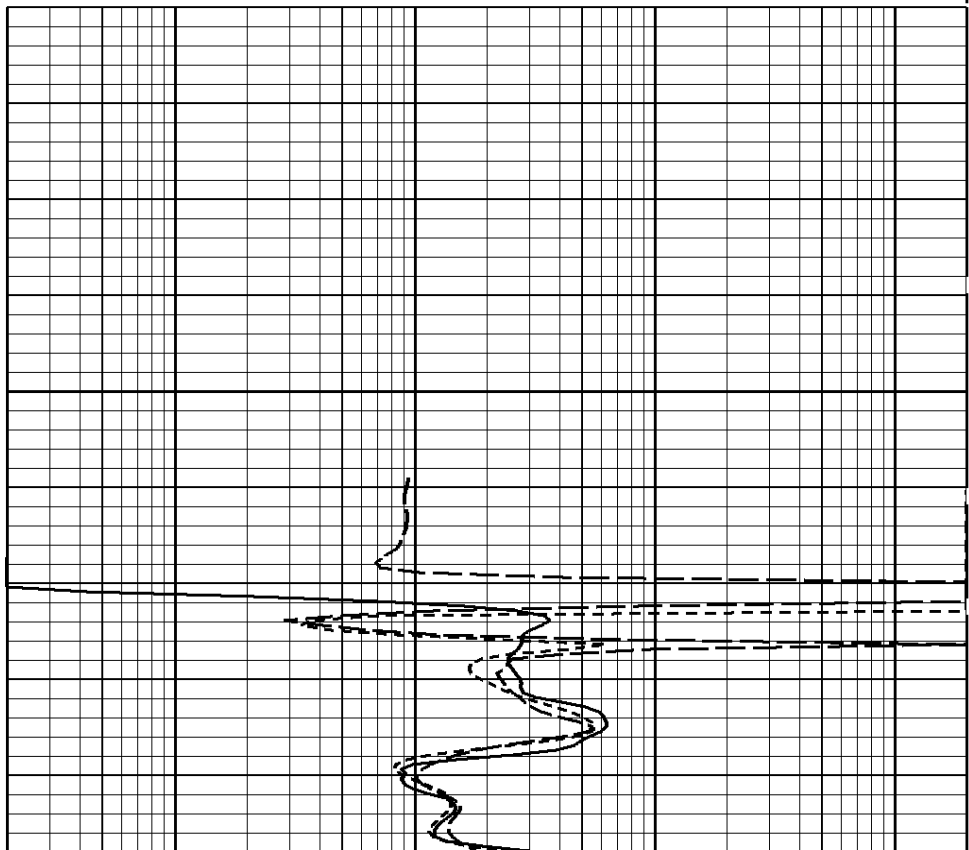
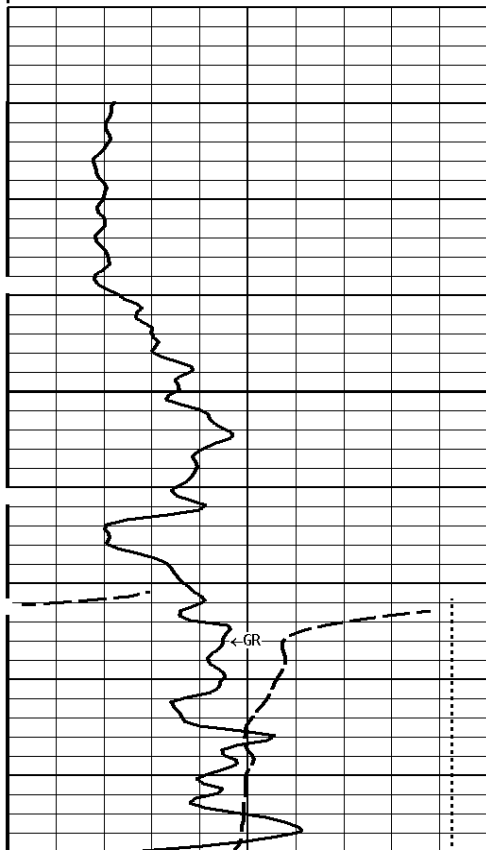
1:600 MAIN SECTION

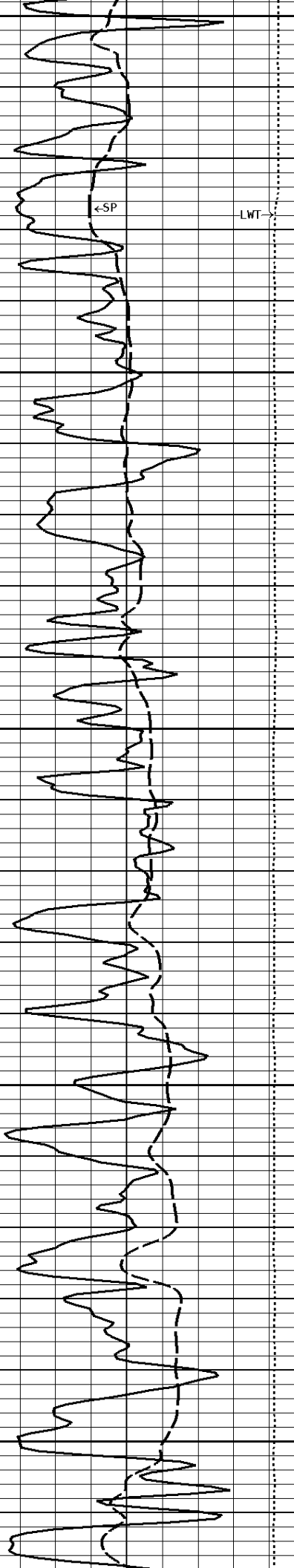


Well File: leo-web-b-6-mstk-jun-23 Scale: 1:240 Format: DIL-240
 Segment: V1.D1.S6 MAIN Acquired: 2014-06/23 17:39 3.3.0-12594
 Reference: 0 Processed: 2014-06/23 18:33 3.3.0-12594



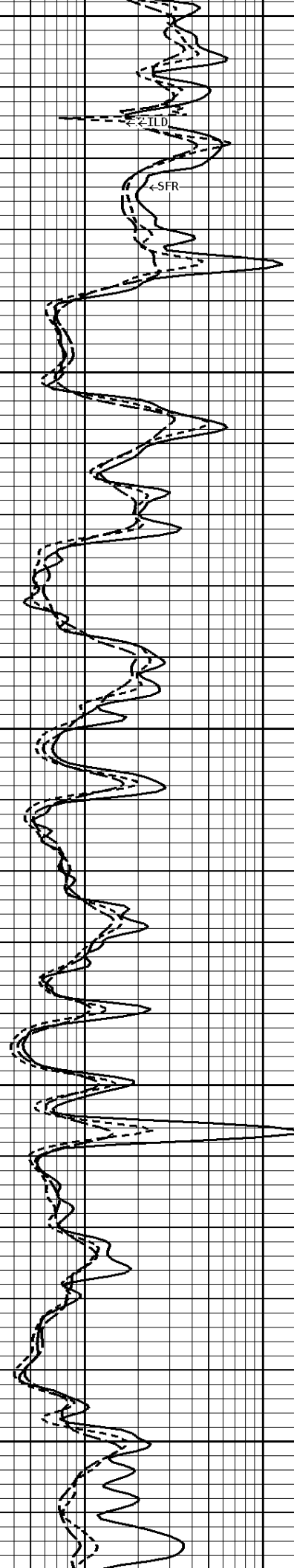
1:240 MAIN SECTION

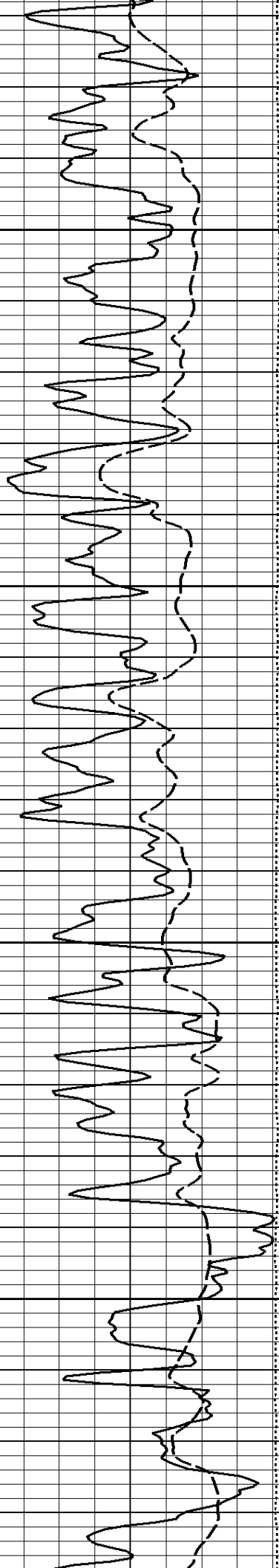




300

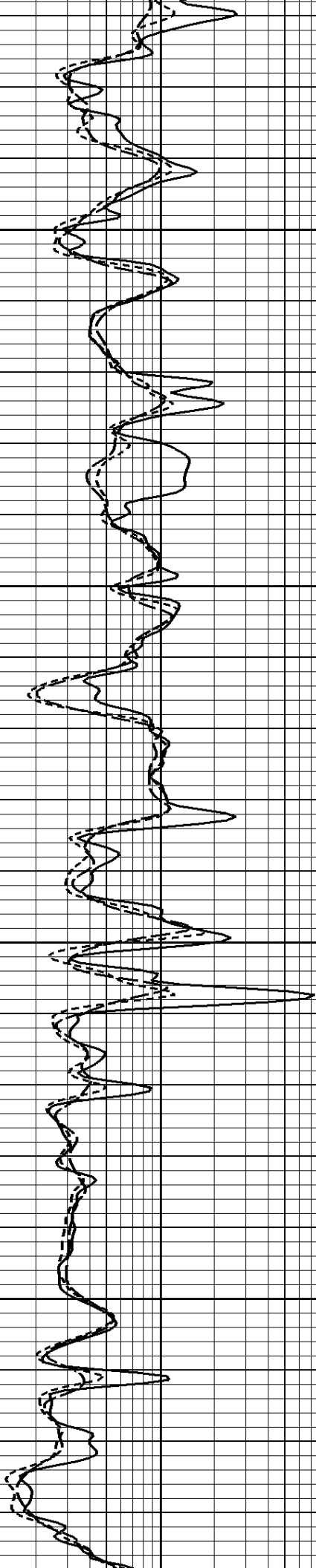
400

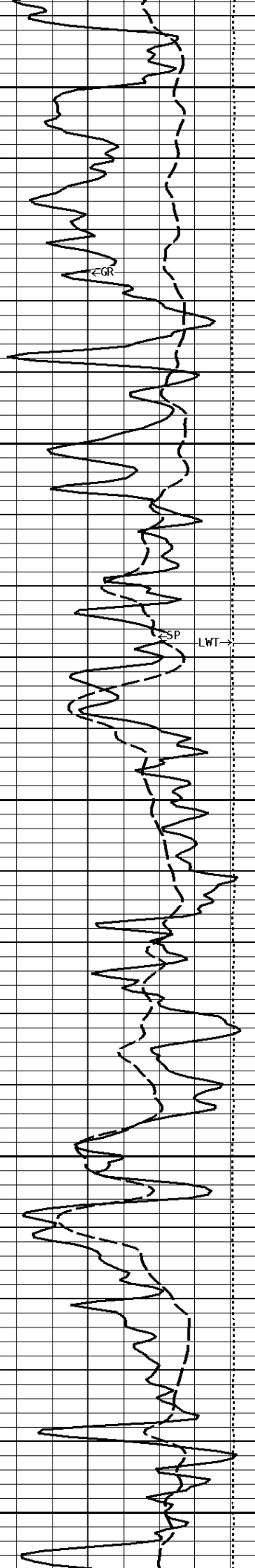




500

600





700

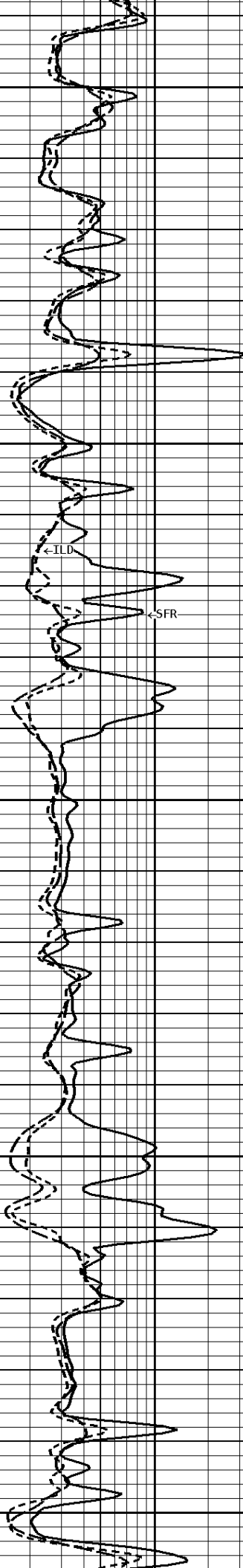
800

900

CGR

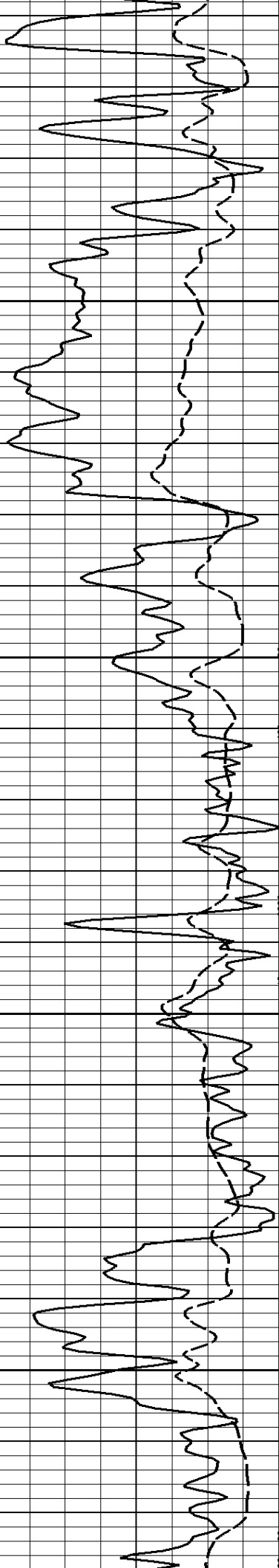
SP

LWT

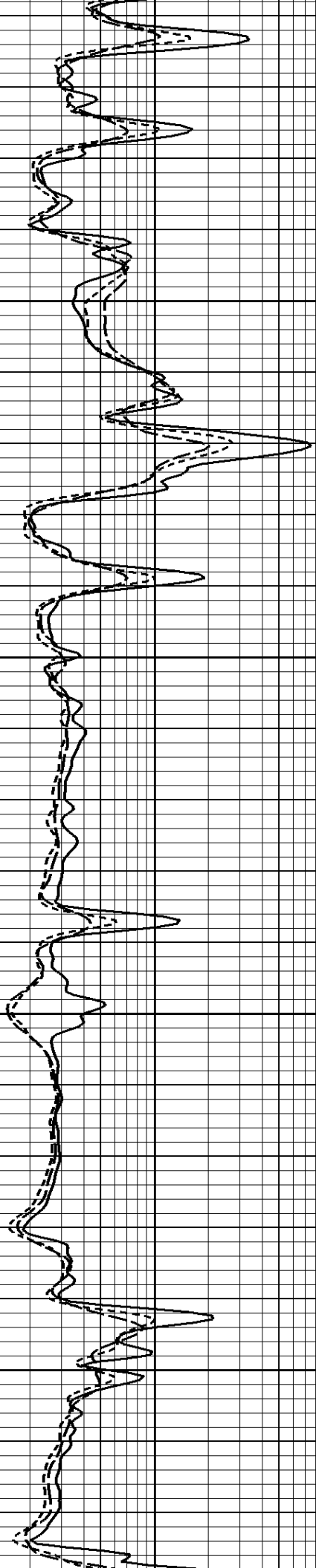


ILD

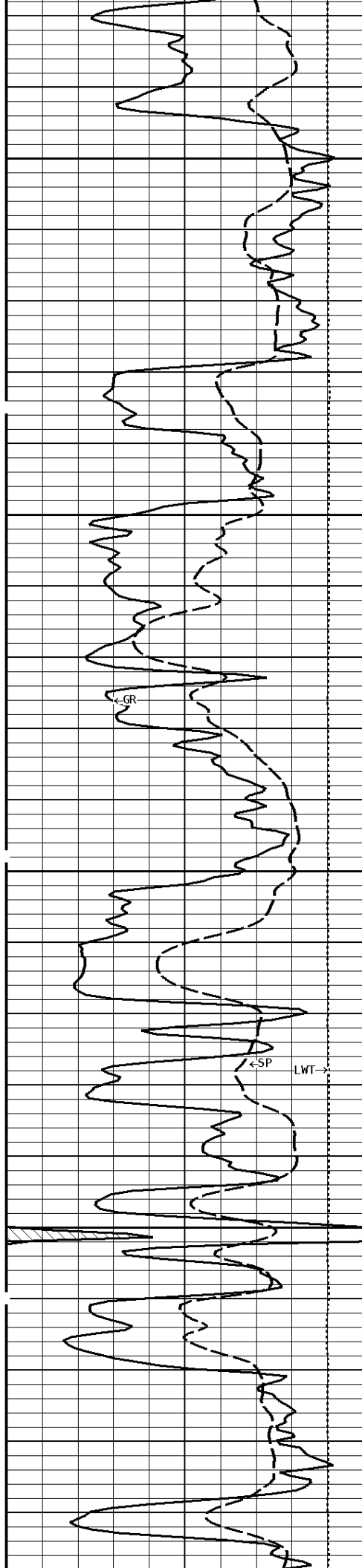
SFR



1000

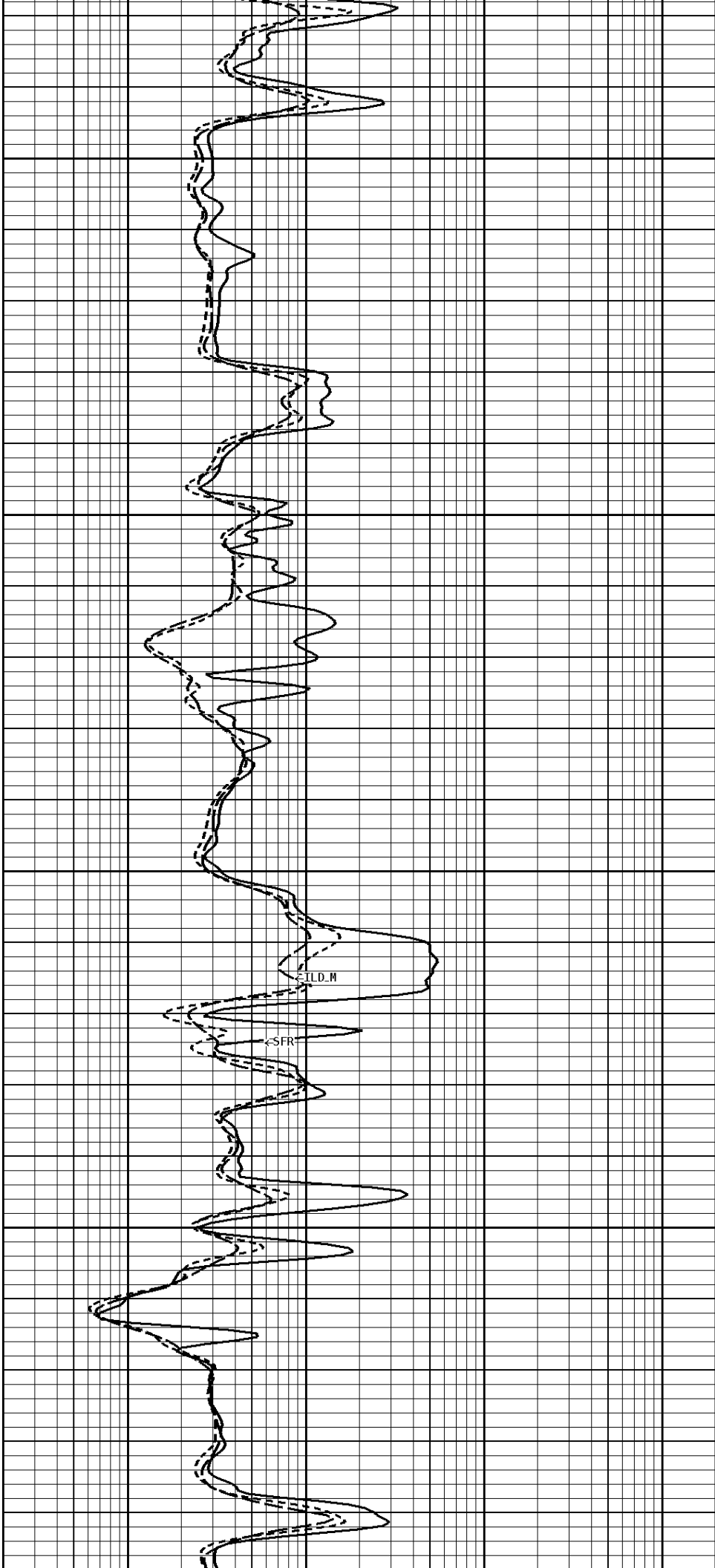


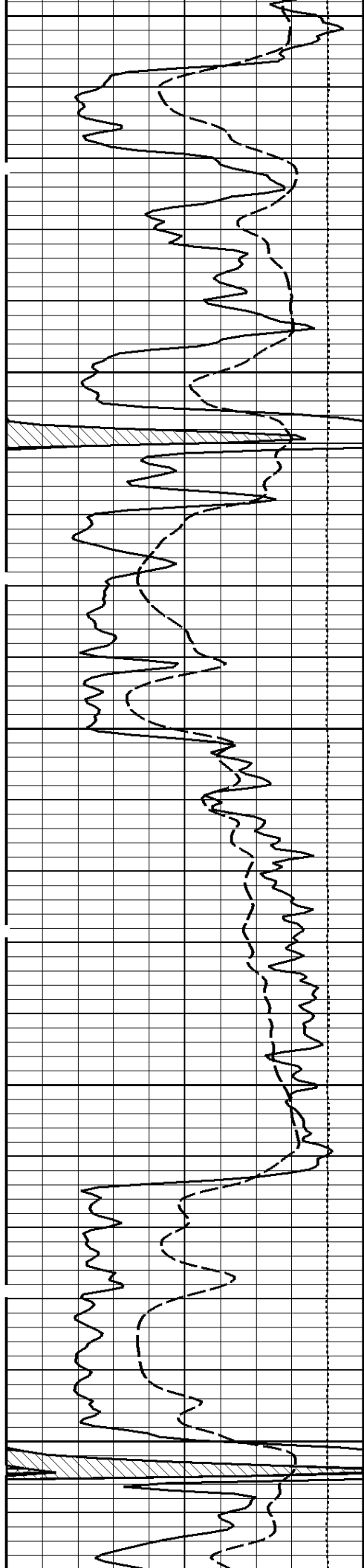
1100



1200

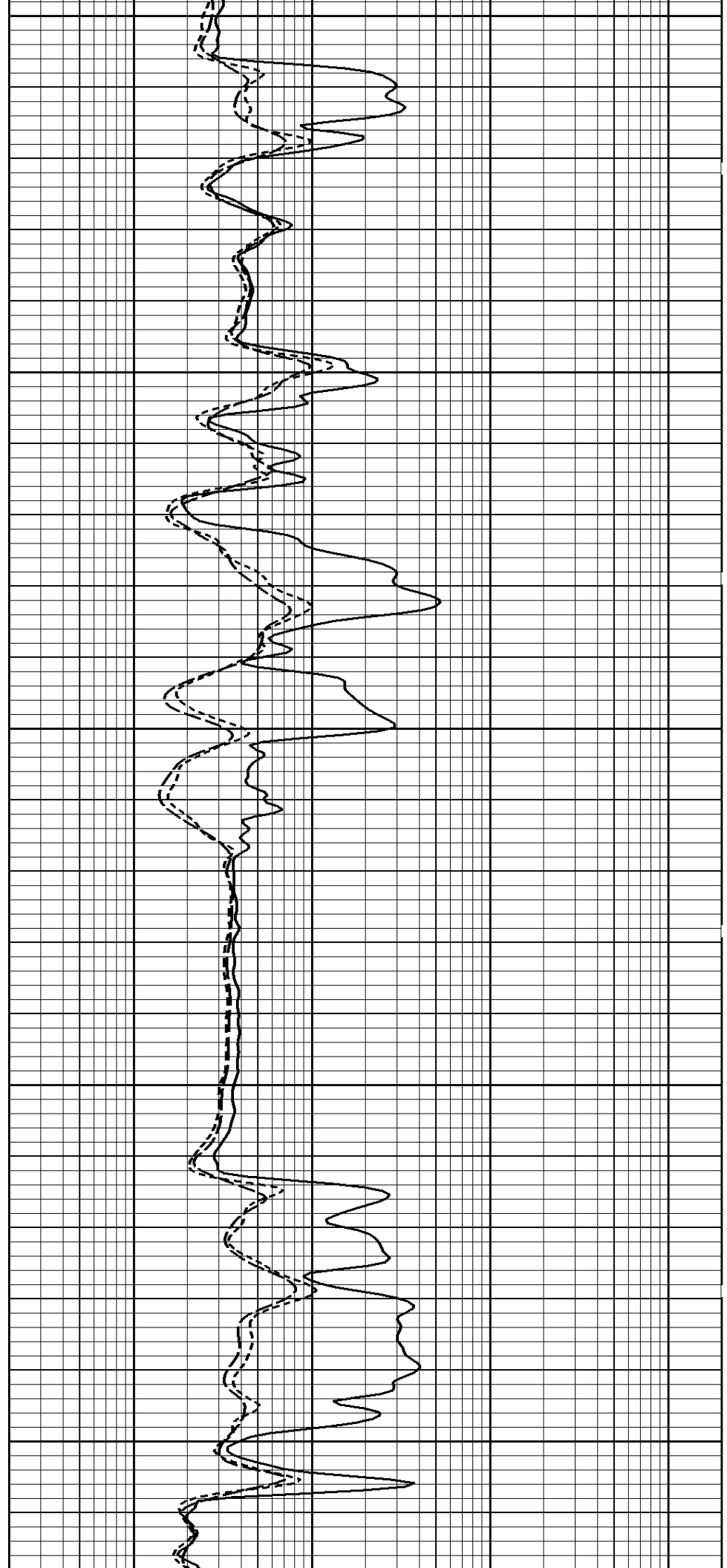
1300





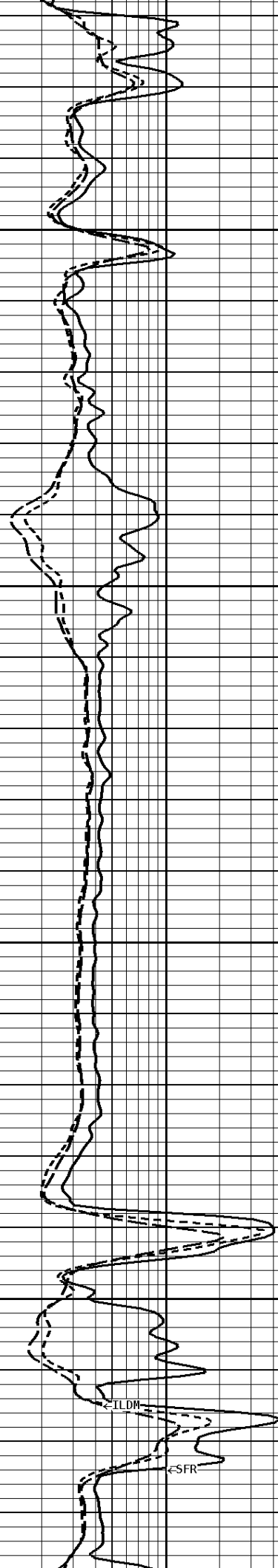
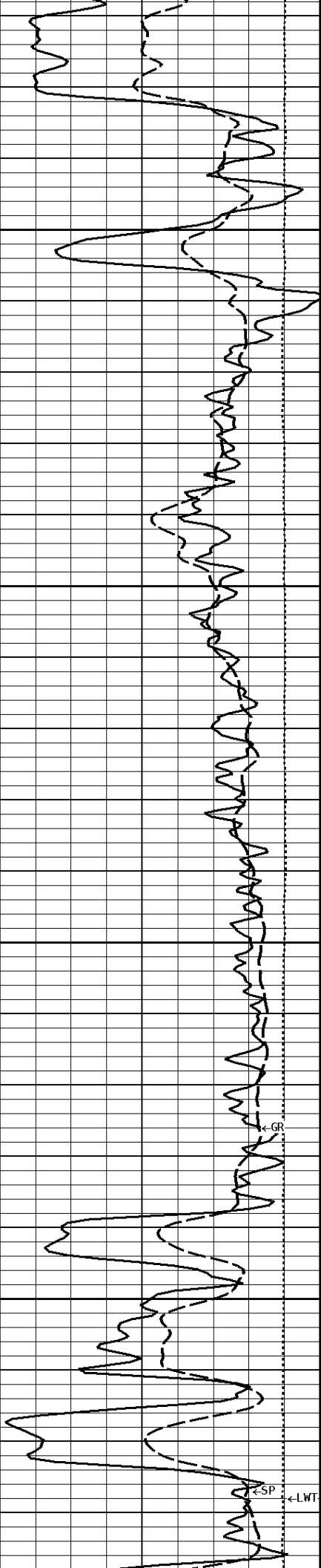
1400

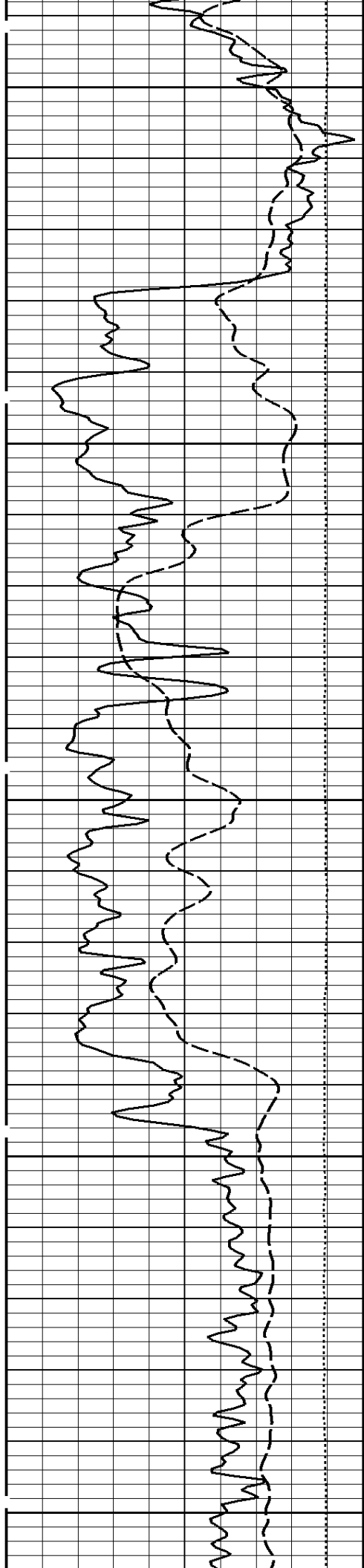
1500



1600

1700

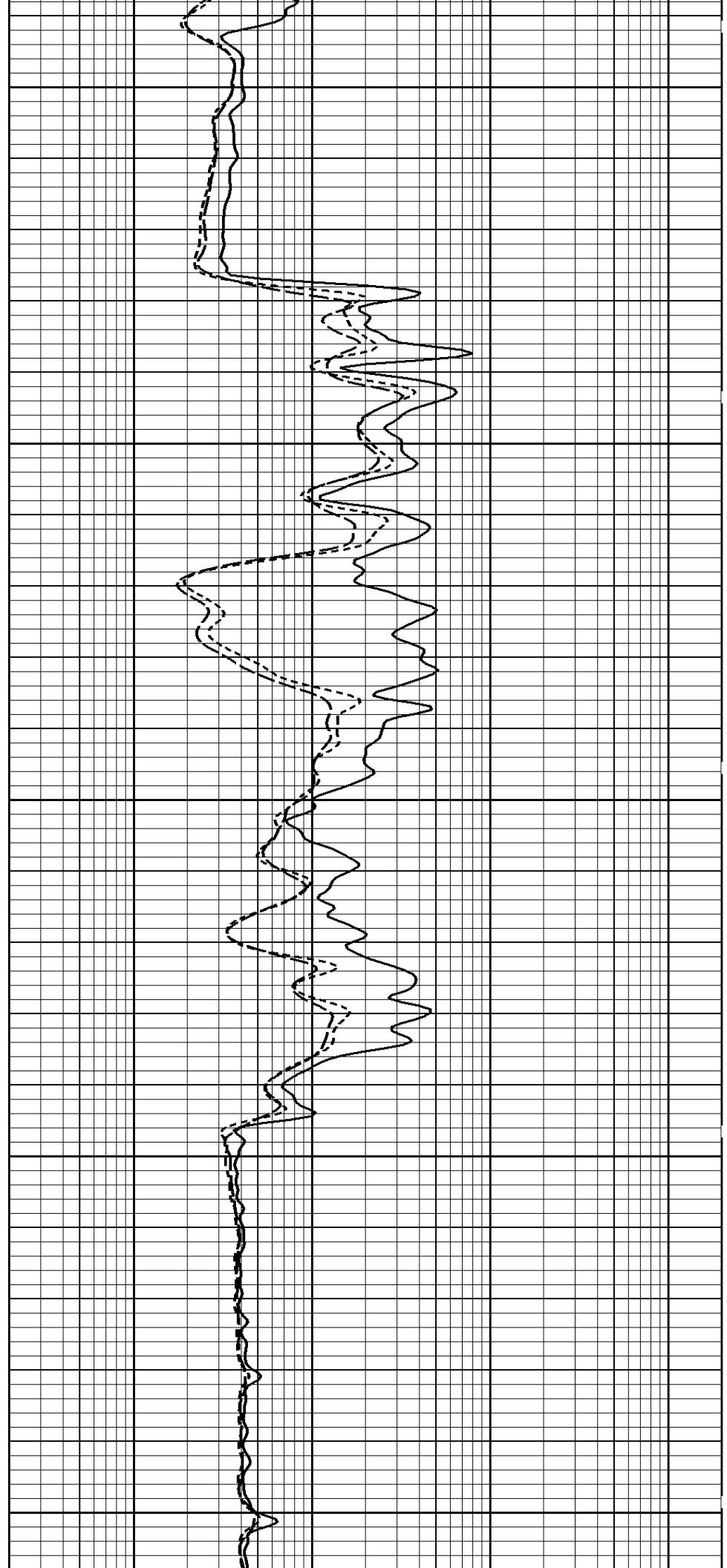


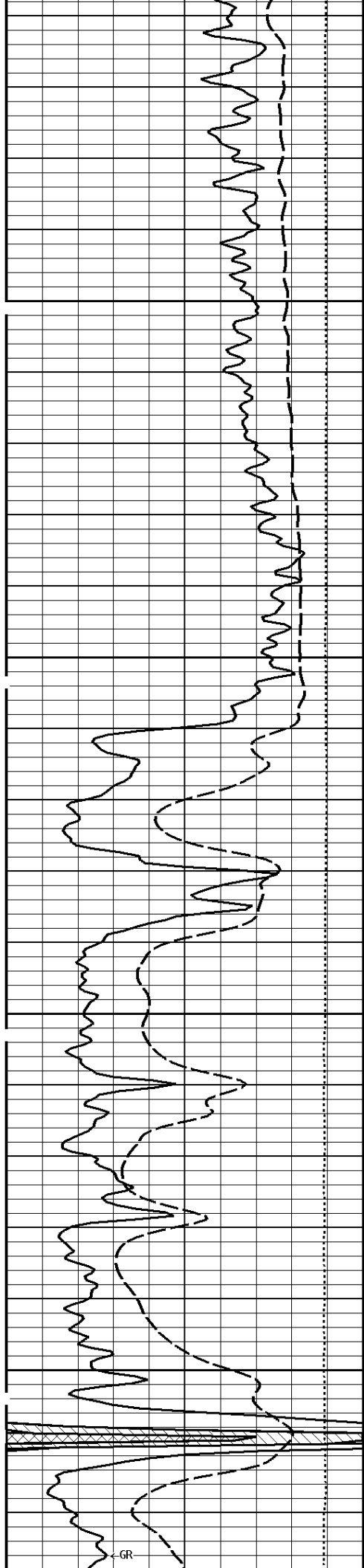


1800

1900

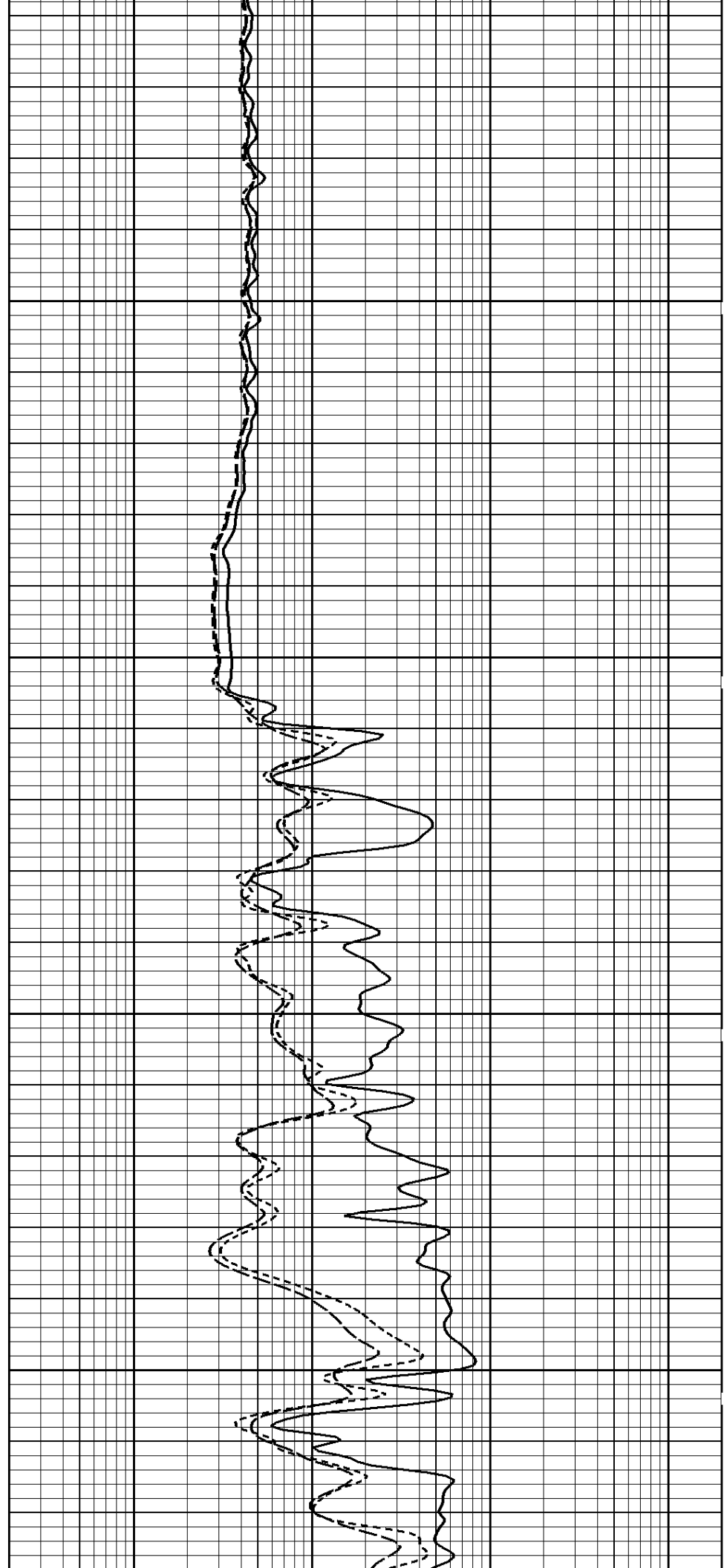
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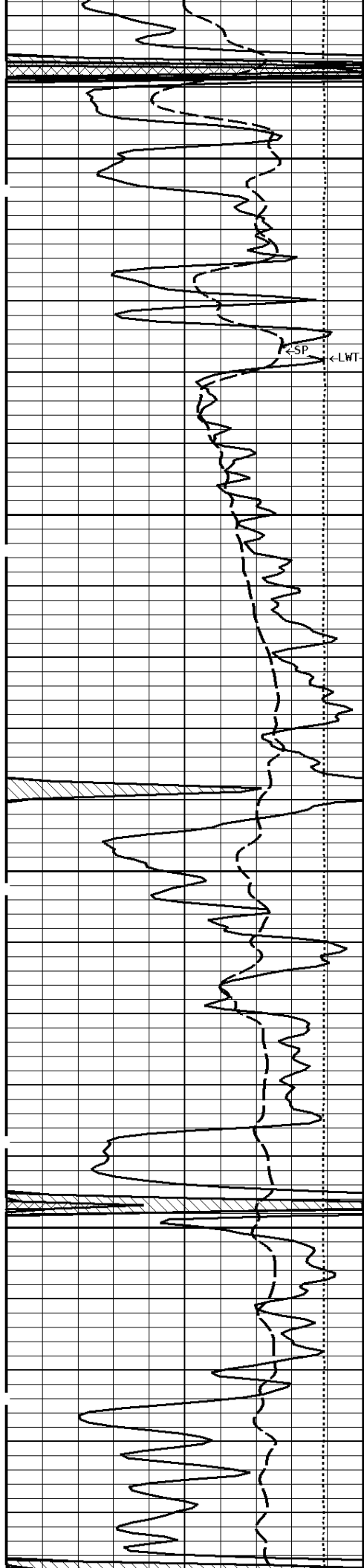




2100

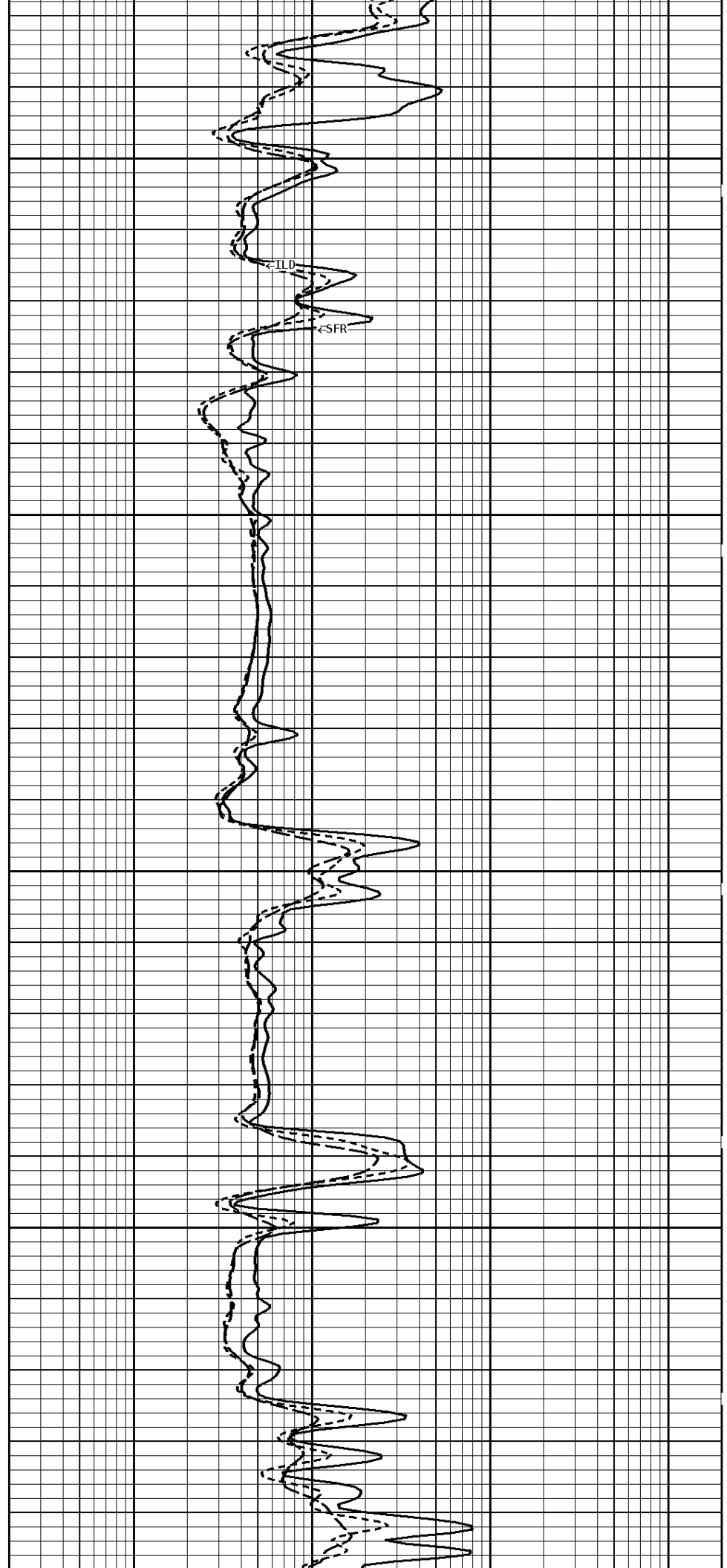
2200

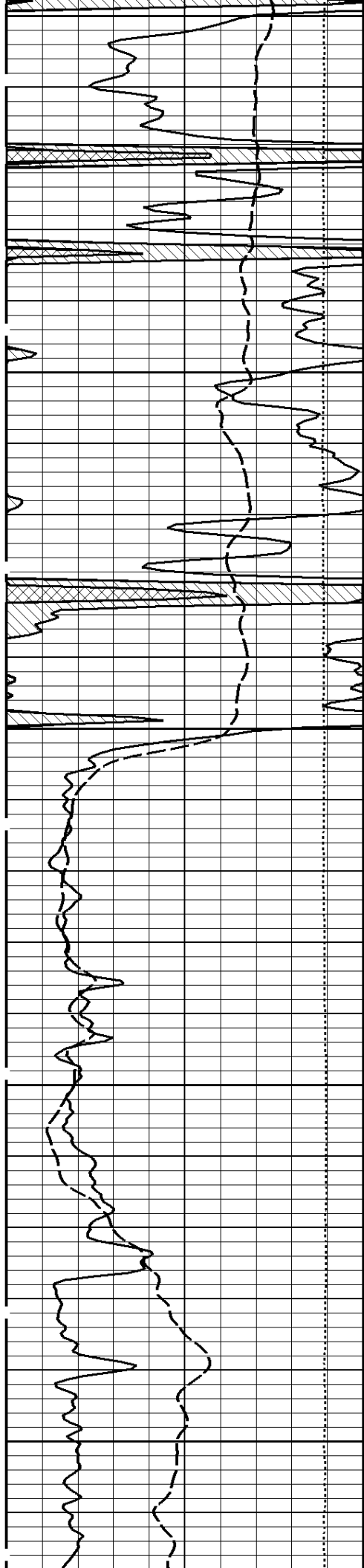




2300

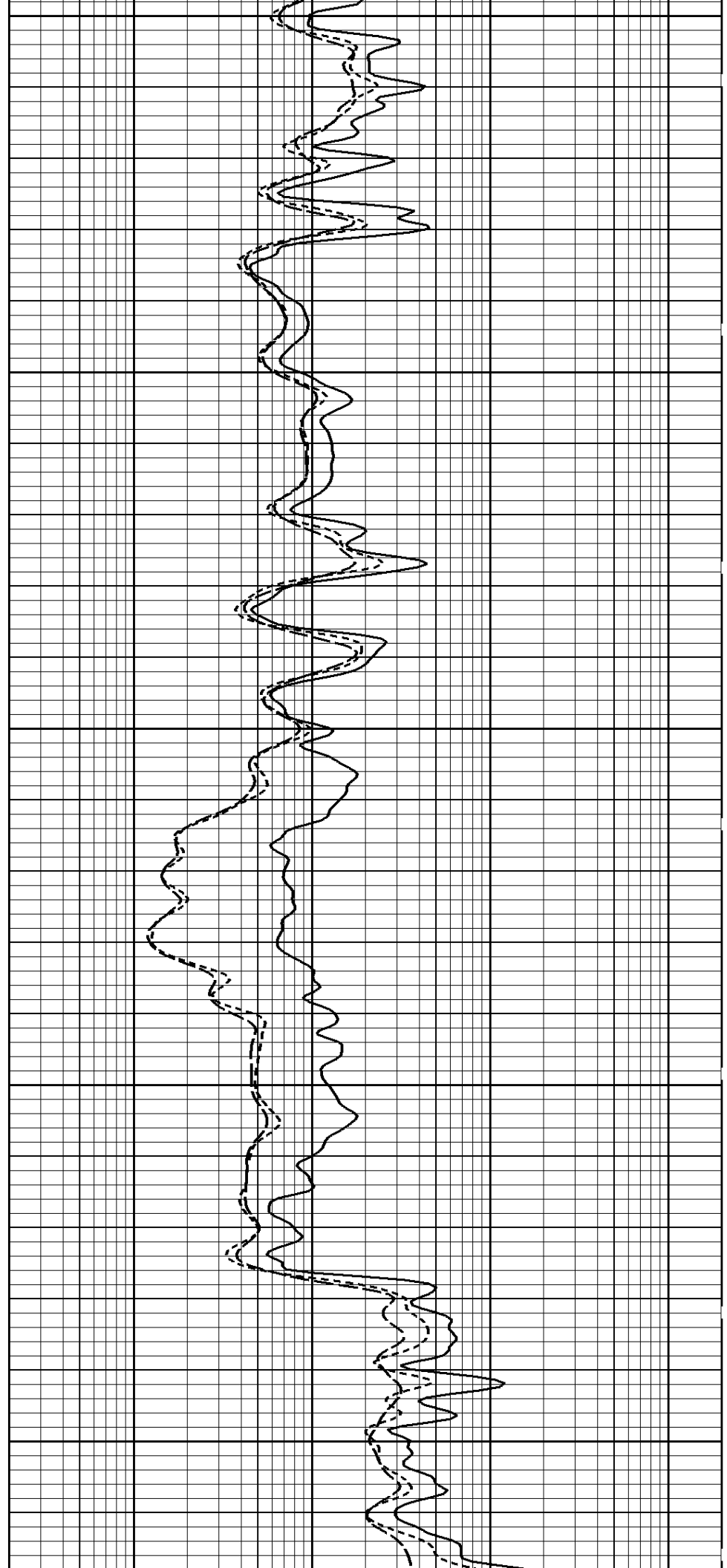
2400

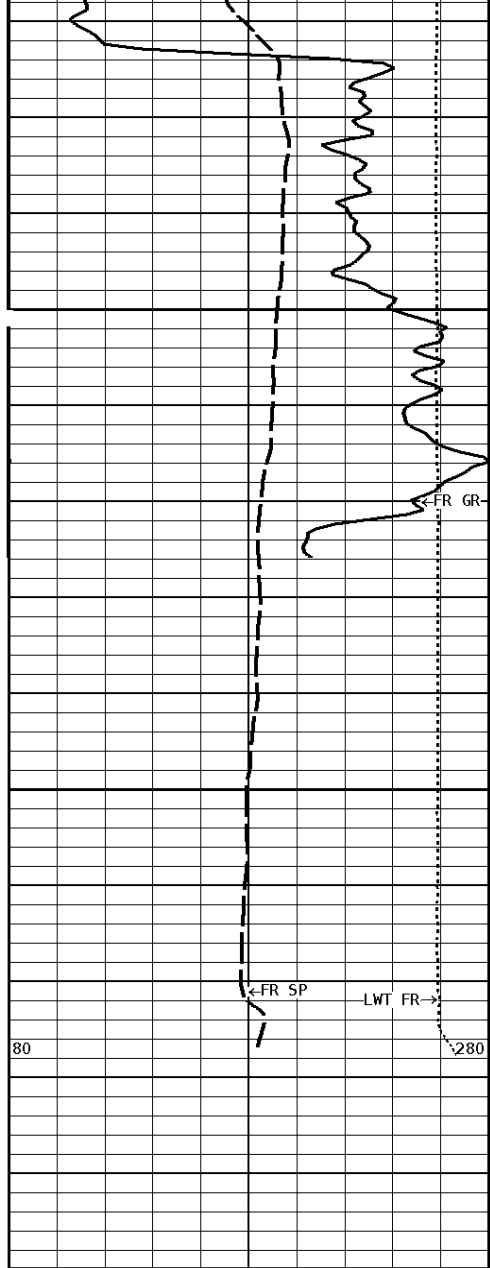




2500

2600

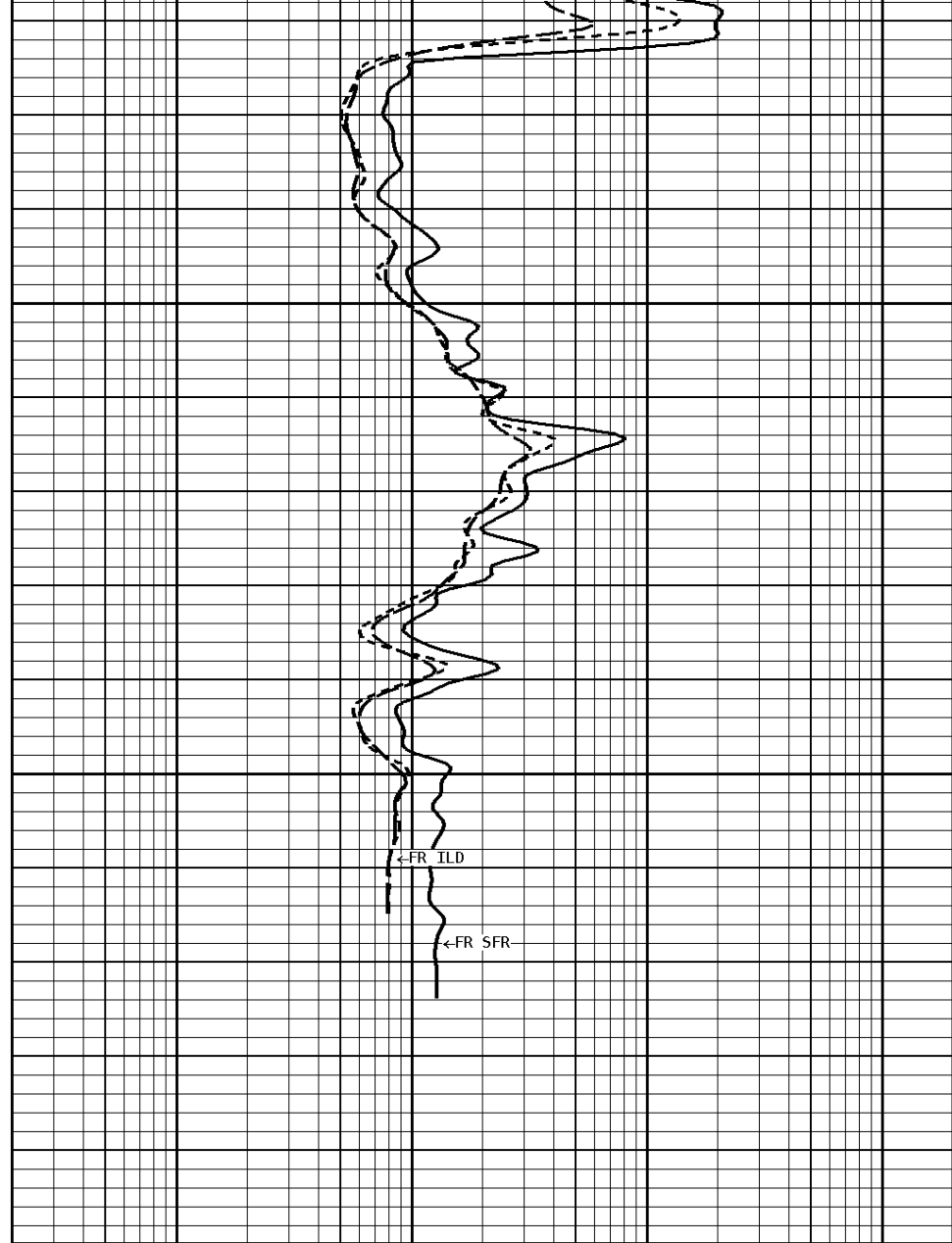




2700

2774

File #1.1.6



1:240 MAIN SECTION

GAMMA RAY API UNITS	
150 0	300 150
TENSION LBS	
10000	0
SPONTANEOUS POTENTIAL mV	
→	← 20

SHALLOW FOCUSED RESISTIVITY OHMM	
0.2	2000.0
MEDIUM INDUCTION OHMM	
0.2	2000.0
DEEP INDUCTION OHMM	
0.2	2000.0

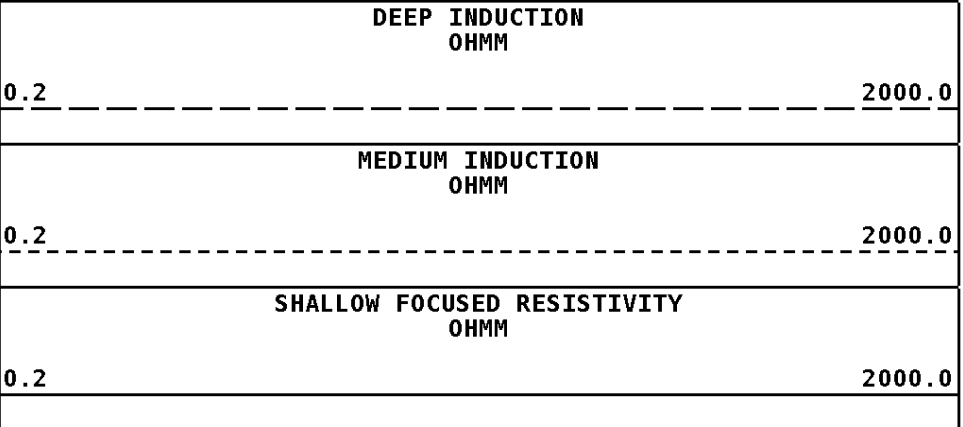
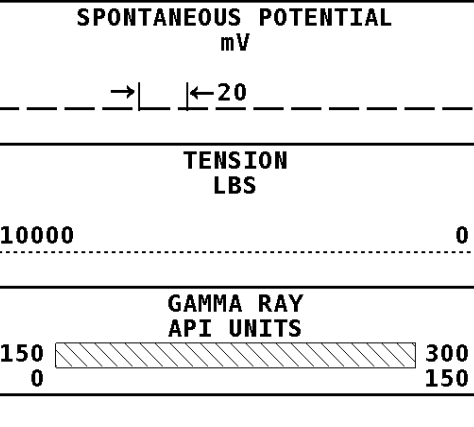
*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet		
Drill Bit Size	7.875	in
Casing Diameter	5.500	in
BHT Depth	2774.000	ft
Borehole Temperature	115.0	degF
Temperature Gradient	1.00	DEHF

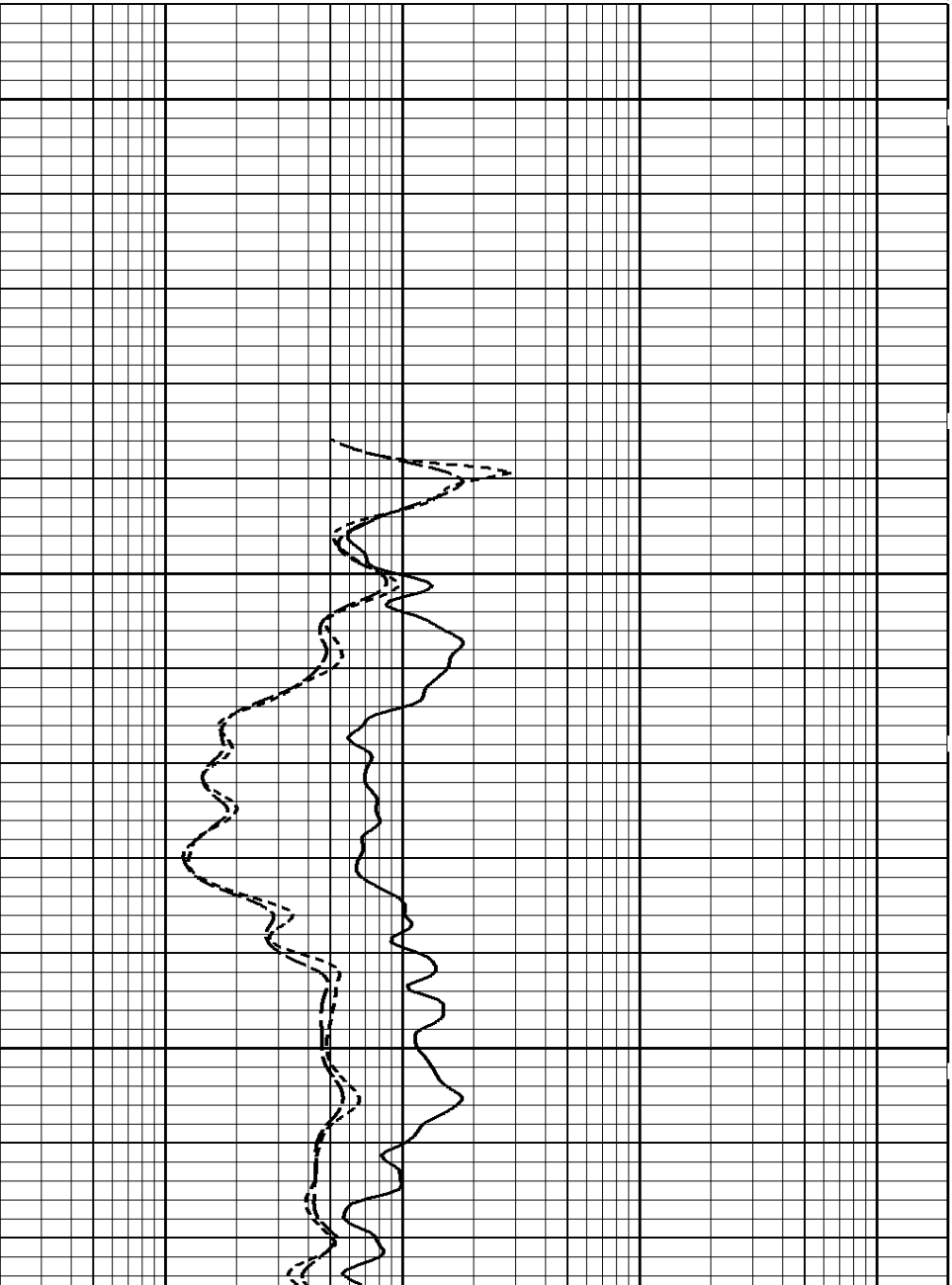
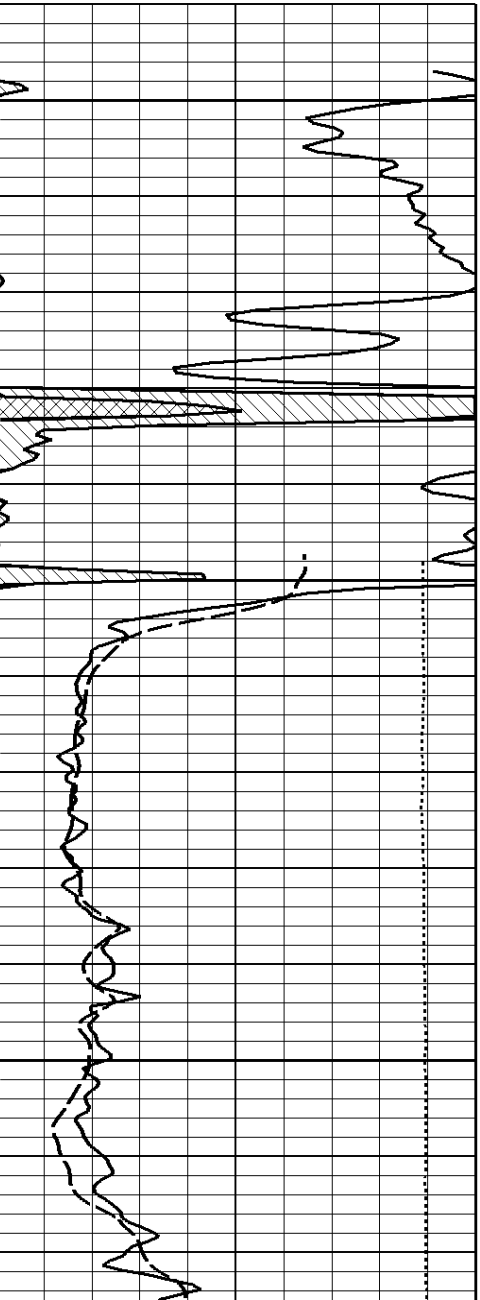
Temperature Gradient	2.000	ohm/m
Resistivity Of Mud	1.5	degF
Standoff	80.00	
Resistivity Of Mud Temperature		

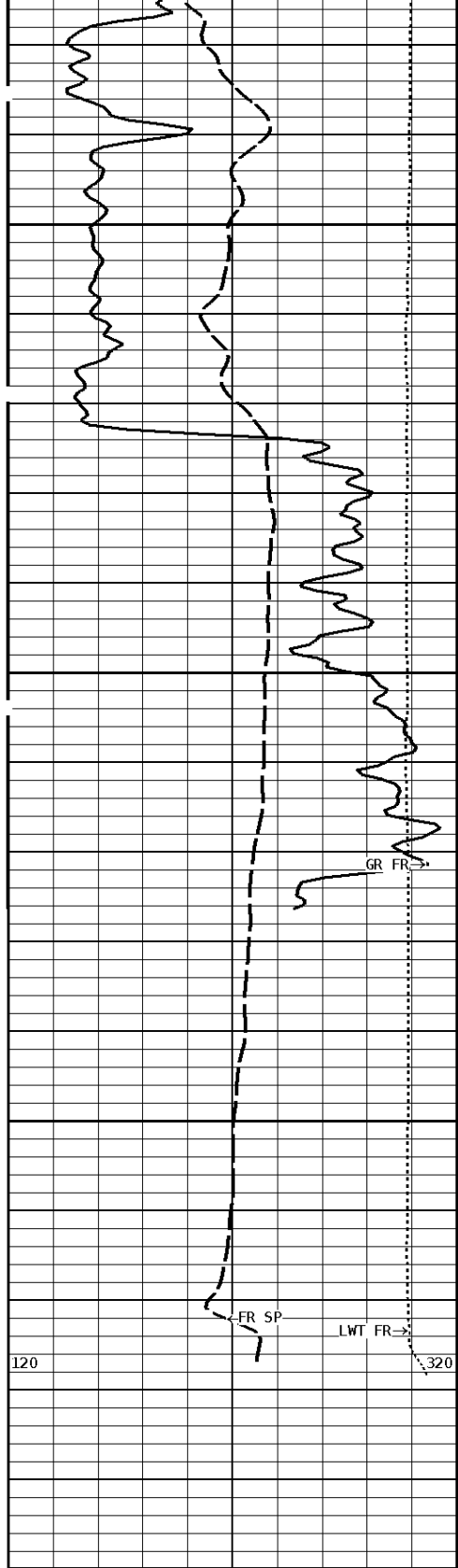
Well File: leo-web-b-6-mstk-jun-23
 Segment: V1.D1.S4 RP
 Reference: 0

Scale: 1:240 Format: DIL-240
 Acquired: 2014-06/23 17:25 3.3.0-12594
 Processed: 2014-06/23 18:33 3.3.0-12594



1:240 REPEAT SECTION

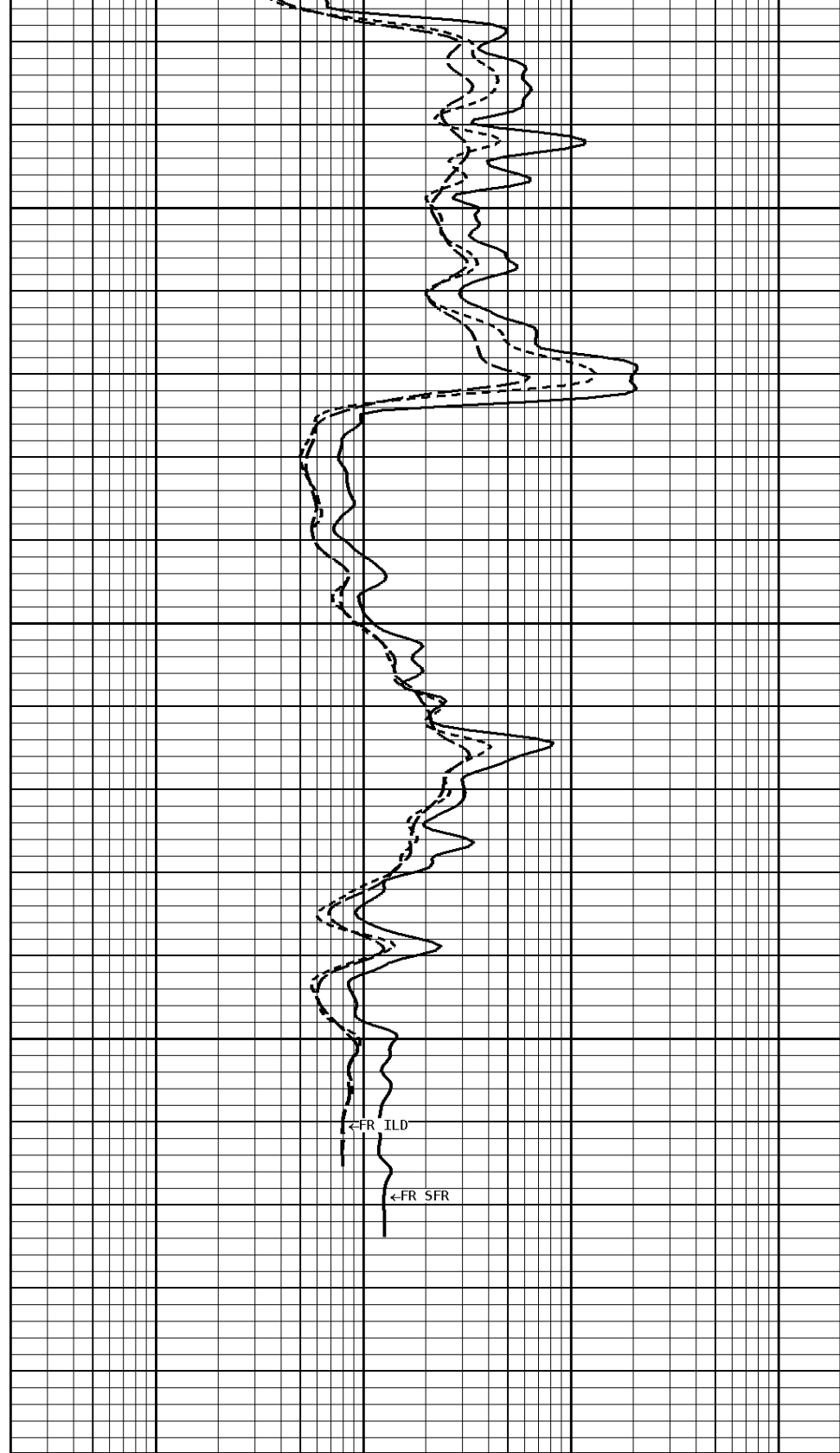




File #1.1.4

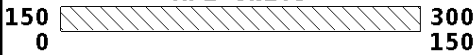
2700

2774



1:240 REPEAT SECTION

GAMMA RAY
API UNITS



TENSION
LBS



SHALLOW FOCUSED RESISTIVITY
OHMM

0.2

2000.0

MEDIUM INDUCTION
OHMM

0.2

2000.0

SPONTANEOUS POTENTIAL
mV

→ | ← 20

DEEP INDUCTION
OHMM

0.2

2000.0

*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet		
Drill Bit Size	_____	7.875 in
Casing Diameter	_____	5.500 in
BHT Depth	_____	2774.000 ft
Borehole Temperature	_____	115.0 degF
Temperature Gradient	_____	1.00 DFHF
Resistivity Of Mud	_____	2.000 ohm/m
Standoff	_____	1.5
Resistivity Of Mud Temperature	_____	80.00 degF

*** Calibration Summary ***

Shop Calibration GRT-B						
Performed : 21-APR-2014			Time : 11:21			
Sensor Suite : GR-GR5			ID : GRT-BB-107			
	Measured	Units	Calibrated	Units		
GR	Background	Jig	Jig	GRAPI		
	75	381	175			
Shop Calibration PIT-CA						
Performed : 20-JAN-2014			Time : 12:16			
Sensor Suite : P-IND-T			ID : PIT-AB-005			
Medium						
	Measured		Calibrated		Units	
	R	X	R	X		
Air	130436	130973	0.3	0.3	MMHOS	
Zero	131064	131069	27.2	2.3	MMHOS	
Reference	250278	251098	5142.2	4745.2	MMHOS	
Loop	127822	217880	3591.7	3538.5	MMHOS	
Sonde Error			-1.6	-2.1	MMHOS	
Cond			5142.2	4745.2	MMHOS	
Deep						
	Measured		Calibrated		Units	
	R	X	R	X		
Air	128989	131106	-3.7	-3.9	MMHOS	
Zero	131083	131072	40.1	-10.7	MMHOS	
Reference	232597	234445	2030.7	1916.3	MMHOS	
Loop	125792	219397	1633.8	1702.6	MMHOS	
Sonde Error			-3.5	-9.0	MMHOS	
Cond			2030.7	1916.3	MMHOS	
Temperature						
	Measured		Calibrated		Units	
	Low	High	Low	High		
	16980.0	56920.0	70.0	350.0	DEGF	
Performed : 20-Jan-2014			Time : 12:07			
Sensor Suite : SFL			ID : PIT-AB-005			
Internal						
	Measured		Calibrated		Units	
	Zero	Reference	Zero	Reference		
Im	32773.9	49477.8	0.0	7028.0	uA	
Ib	32760.9	48718.2	0.0	1750.0	mA	
MOM1	32720.3	56560.2	0.0	175.0	mV	
Equivalent SFL				43.97	OHMM	
Performed : 20-Jan-2014			Time : 12:05			
Sensor Suite : P-SP			ID : PIT-AB-005			
Internal						
	Measured		Calibrated		Units	
	Zero	Reference	Zero	Reference		
	32770.1	58920.2	0.0	1000.0	mV	

Segment: V1.D1.S6 MAIN

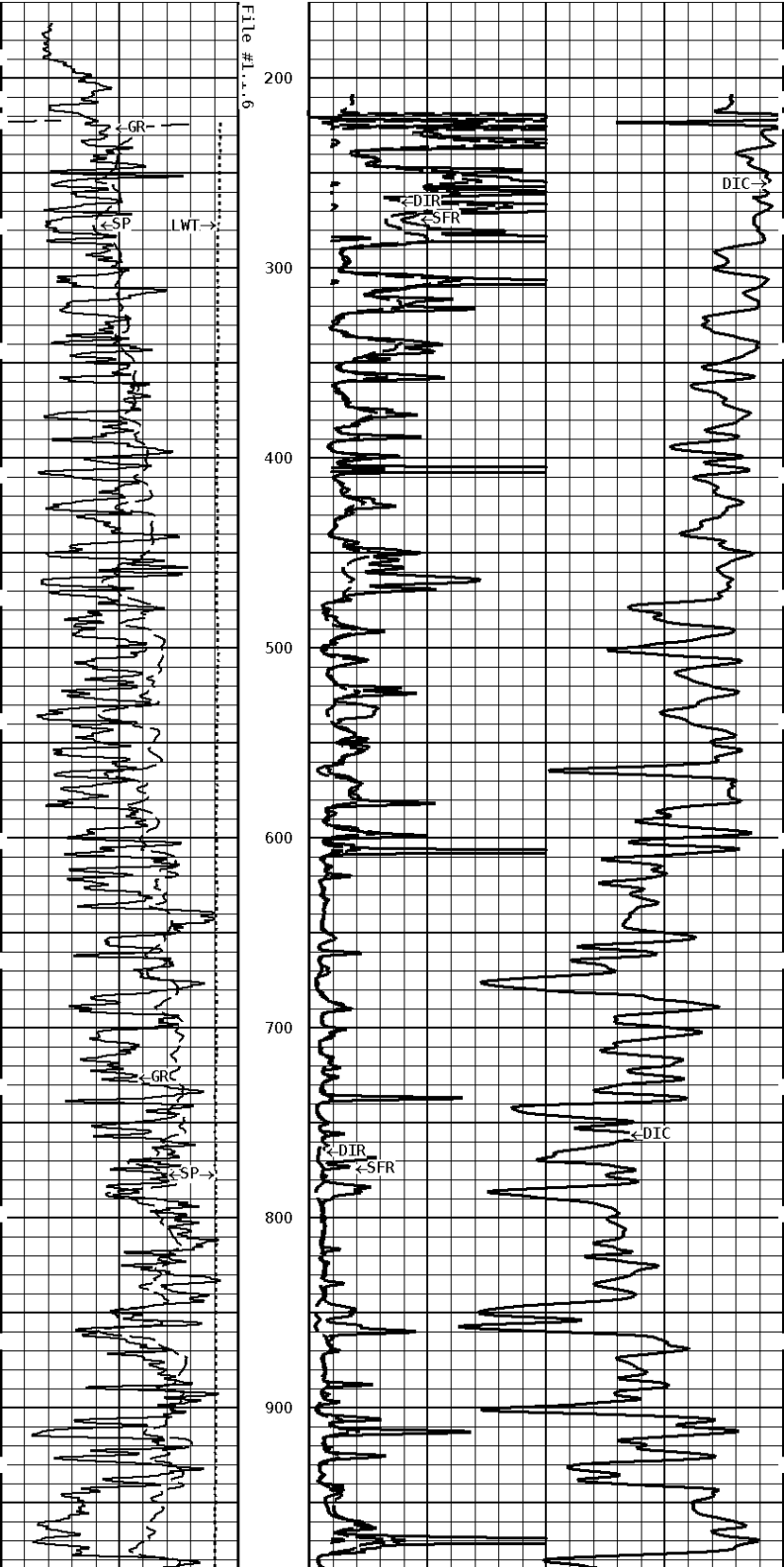
Acquired: 2014-06/23 17:39 3.3.0-12594

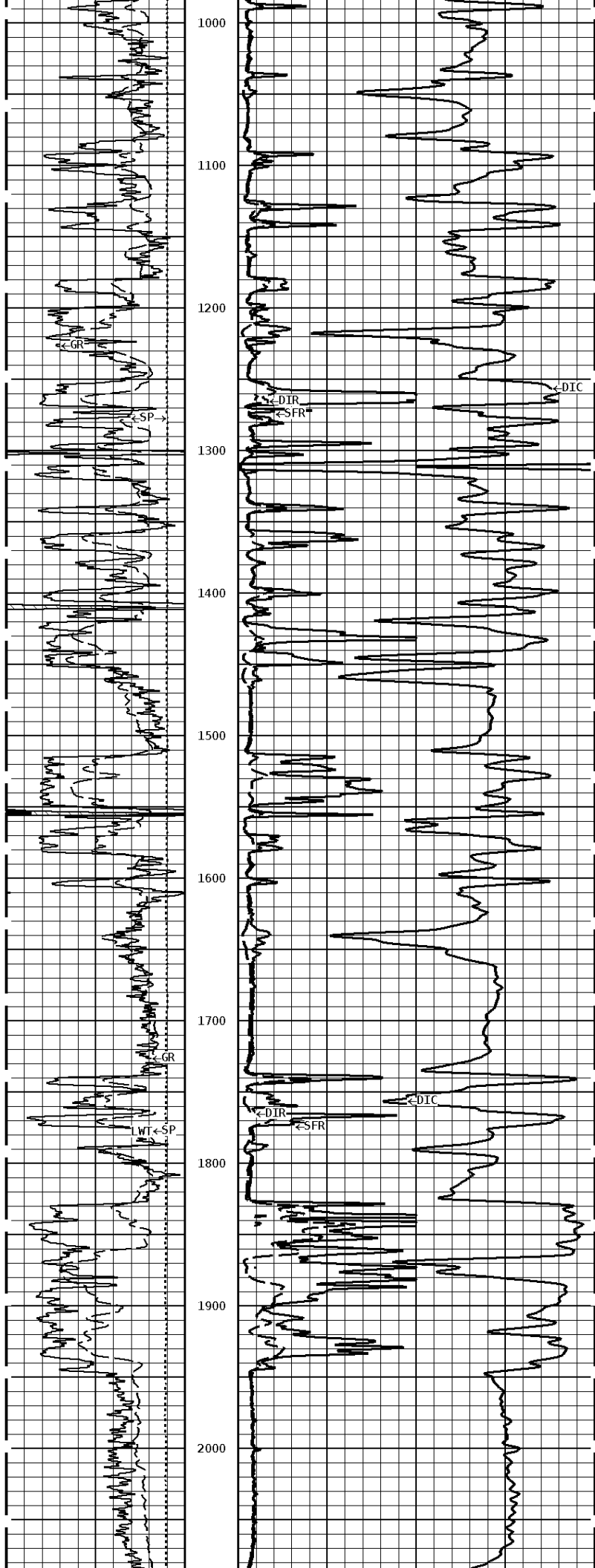
Reference: 0

Processed: 2014-06/23 18:33 3.3.0-12594

TENSION LBS	DEEP INDUCTION OHMM
10000 ----- 0	0.0 ----- 500.0 0.0 ----- 50.0
SPONTANEOUS POTENTIAL mV	SHALLOW FOCUSED OHMM
→ ← 20	0.0 ----- 500.0 0.0 ----- 50.0
GAMMA RAY API UNITS	DEEP CONDUCTIVITY MHMO
150 300 0 ----- 150	2000 ----- 1000 1000 ----- 0

1:1200 MAIN SECTION





1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000

GR

SP

DIR

SFR

DIR

WT

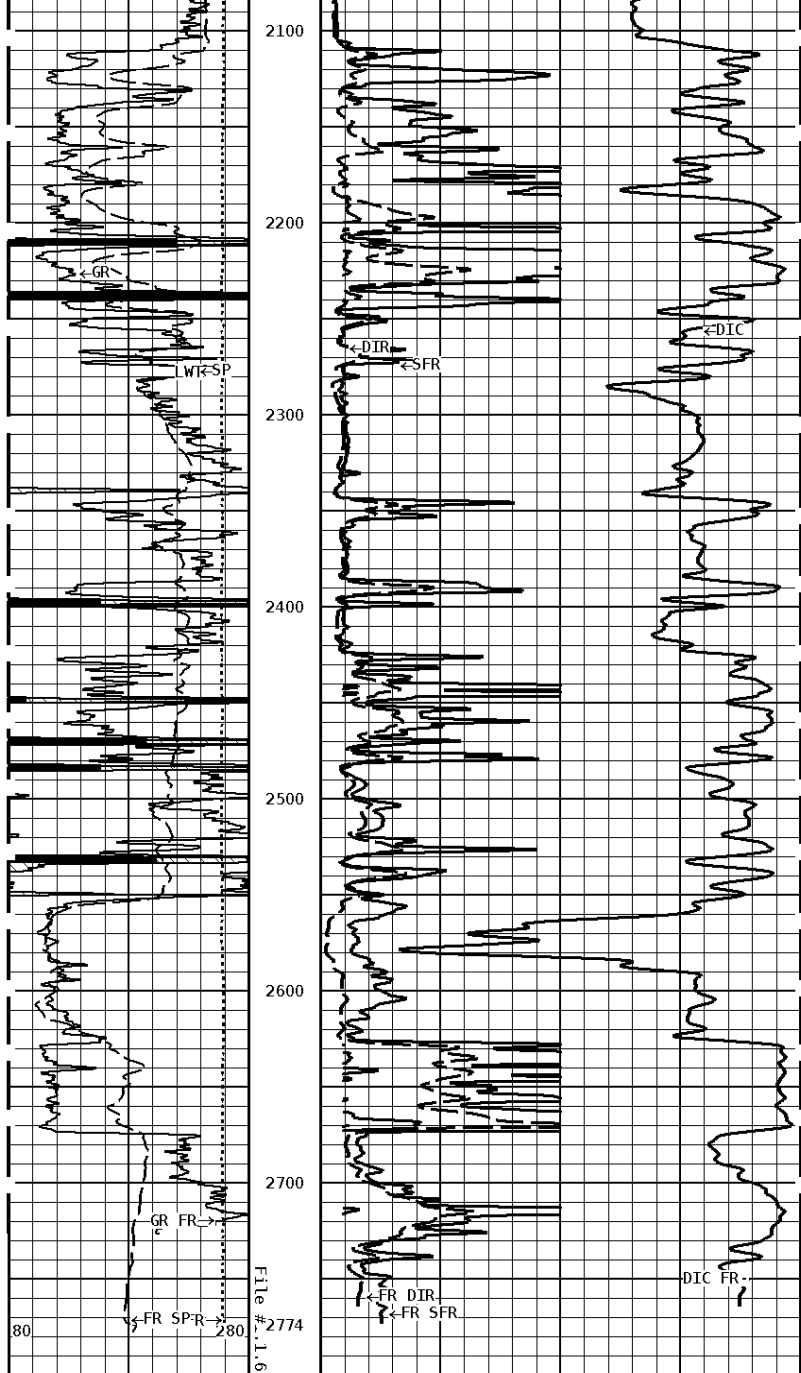
SP

DIR

SFR

DIR

GR



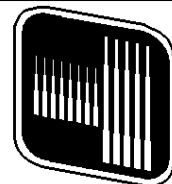
1:1200 MAIN SECTION

GAMMA RAY API UNITS 150 0 300 150	DEEP CONDUCTIVITY MHMO 2000 1000 1000 0
SPONTANEOUS POTENTIAL mV → ← 20	SHALLOW FOCUSED OHMM 0.0 500.0 0.0 50.0
TENSION LBS 10000 0	DEEP INDUCTION OHMM 0.0 500.0 0.0 50.0



Company: LEON C. SMITHERMAN JR.
 Well: WEBER B #6
 Location: 550' FSL & 984' FEL
 Logged: 06-23-2014
 K.B. Elev: 1430.0 Ft





Tucker
ENERGY SERVICES

COMPENSATED NEUTRON
PEL DENSITY MICRO LOG

Company LEON C. SMITHERMAN JR.
Well WEBER B #6
Field JOSEPH SOUTHEAST
Country BUTLER
State KANSAS
Country USA
API No. 15-015-24030

File No : TUL-596685
Company : LEON C. SMITHERMAN JR.
Well : WEBER B #6
Field : JOSEPH SOUTHEAST
Country : BUTLER
State : KANSAS
Country : USA
API No : 15-015-24030

Location :
 550' FSL & 984' FEL
 NE SW SE SE

LSD : **Sect** : 19 **Twp** : 24S **Rge** : 5E

Permanent Datum:	GL	Elevations:		Services:	
Drilling Measured From:	KB	KB 1430.00	Ft	CNT	PIT
Log Measured From:	KB	DF 1429.00	Ft	LDT	
Above Permanent Datum:	8.00 Ft	GL 1422.00	Ft	MLT	
Date	06-23-2014				
Run Number	1				
Depth--Driller	2774.0	Ft			
Depth--Logger	2774.0	Ft			
First Reading	2751.0	Ft			
Last Reading	222.0	Ft			
Casing--Driller	222.0	Ft			
Casing--Logger	222.0	Ft			
Bit Size	7.875	In			
Casing Size	8.625	In			
Hole Fluid Type	WBM				
Density	9.4				
Fluid Loss	8.6				
PH/Viscosity	9.0	40.0			
Sample Source	MEASURED				
RM@Measured Temp.	2.000	@ 80	F		
RMF@Measured Temp	1.700	@ 80	F		
RMG@Measured Temp.	2.310	@ 80	F		
Source RMF/RMC	CALCULATED/CALCULATED				
RM@BHT	1.430	@ 115	F		
Time Circulation Stopped	06-23-2014 2:00 pm				
Max Recorded Temp.	117 F				
Equipment/Base	T-123	TULSA			
Recorded By	S. DAVIS				
Witnessed By	B. STOUT				

The customer is hereby warned that by providing the log data herein, T. E. S. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. T. E. S. does not guarantee or warrant either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by T. E. S. personnel. Any interpretation, conversion or recommendation is not part of the consideration for the agreement between the parties and is not part of any part of the charge by T. E. S. for its services. Any user of the log data is warned that said user is not entitled to rely on interpretations, conversions or recommendations as aforesaid.

Bitsize Intervals		Casing Strings			
Size (In)	Bottom (Ft)	Size (In)	Weight (Lbs)	Bottom (Ft)	Top (Ft)
7.875	2774.00	8.625	24.00	222.00	0.00

Run Number	1
Date	06-23-2014
Date/Time On Bottom	06-23-2014 5:30 pm
Depth to Fluid	0.0 Ft
Salinity	1000.000
RMF@BHT	1.210 @ 115 F
RMC@BHT	1.640 @ 115 F

Run Number 1

Comments

ALL PRESENTATION PER CUSTOMER REQUEST
 GRT,CNT,LDT,PIT RUN IN COMBINATION
 CALIPERS ORIENTED ON X-Y AXIS
 2.71 G/CC USED TO CALCULATE POROSITY
 ANNULAR & BOREHOLE VOLUME CALCULATED USING 5.5 PRODUCTION CASING
 PHIN IS CALIPER CORRECTED
 DETAIL FROM TD TO 2000'

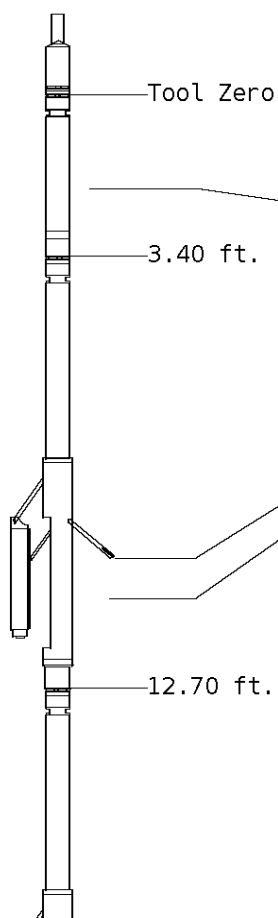
GRT; GRP,
 CNT; PHIN, CLCNIN
 LDT; PORL, LCORN, PECLN, LDENN, CLLDIN
 MLT; NOR.RF, INV.RF, MSCLPIN.
 PIT; ILD, ILM, SPU, SFLAEC, CIRD

OPERATORS;

C. GONZALES
 J. THOMAS

Tool String Schematic

Total Tool Length - 53.57 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 943.00 lbs.



Tool: GRT-B **Length:** 3.40 ft. **O.D.** 3.60 in.
 Gamma Ray Controller

Sonde ID :GRT-BB-107

Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	51.57

Tool: CNT-AA **Length:** 9.30 ft. **O.D.** 4.36 in.
 Compensated Neutron A Pad on NDT-A

Sonde ID :NDT-BD-133

Source ID :N-1045

Pad ID :CNP-AA-024

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLCN	6.00	9.40	44.17
PHIN	6.80	10.20	43.37

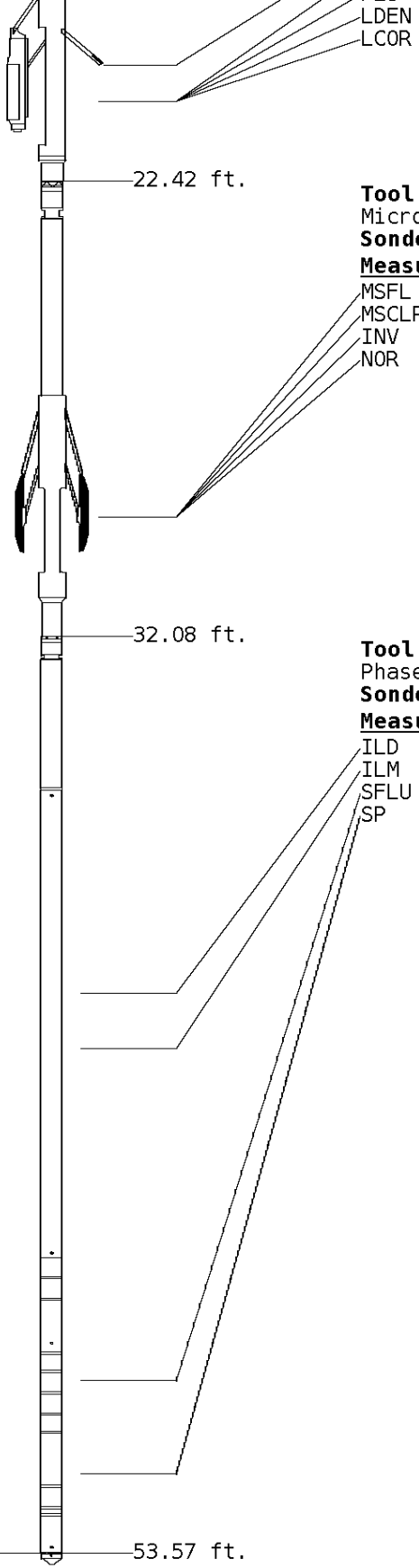
Tool: LDT-DF **Length:** 9.72 ft. **O.D.** 4.80 in.
 Litho Density D Pad on NDT-F

Sonde ID :PDT-GA-465

Source ID :2991GW

Pad ID :LDP-DA-065

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.42	19.12	34.45
PEL	7.42	20.12	33.45
PES	7.82	20.52	33.05



7.62	20.32	33.25
7.62	20.32	33.25

Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC)
Sonde ID :MST-DA-057

Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	30.02	23.55
MSCLP	7.60	30.02	23.55
INV	7.60	30.02	23.55
NOR	7.60	30.02	23.55

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AB-005

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	41.00	12.56
ILM	10.10	42.18	11.39
SFLU	17.49	49.57	4.00
SP	20.60	52.68	0.88

Well File: leo-web-b-6-mstj-jun-23	Scale: 1:240	Format: NLD-240
Segment: V1.D1.S6 MAIN	Acquired: 2014-06/23 17:39 3.3.0-12594	
Reference: 0	Processed: 2014-06/23 18:33 3.3.0-12594	

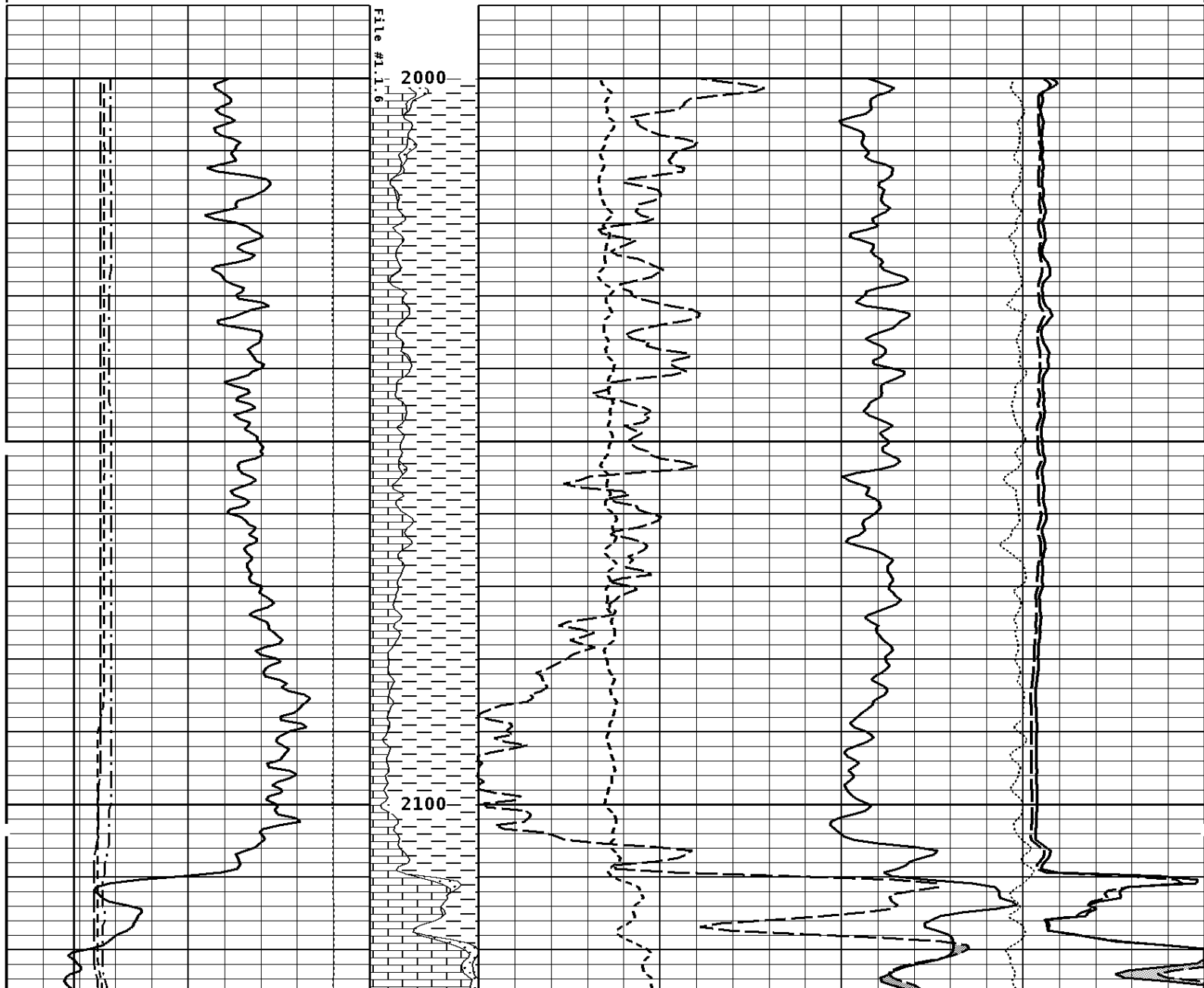
CALIPER MICRO INCHES (IN)	
16	26
6	16

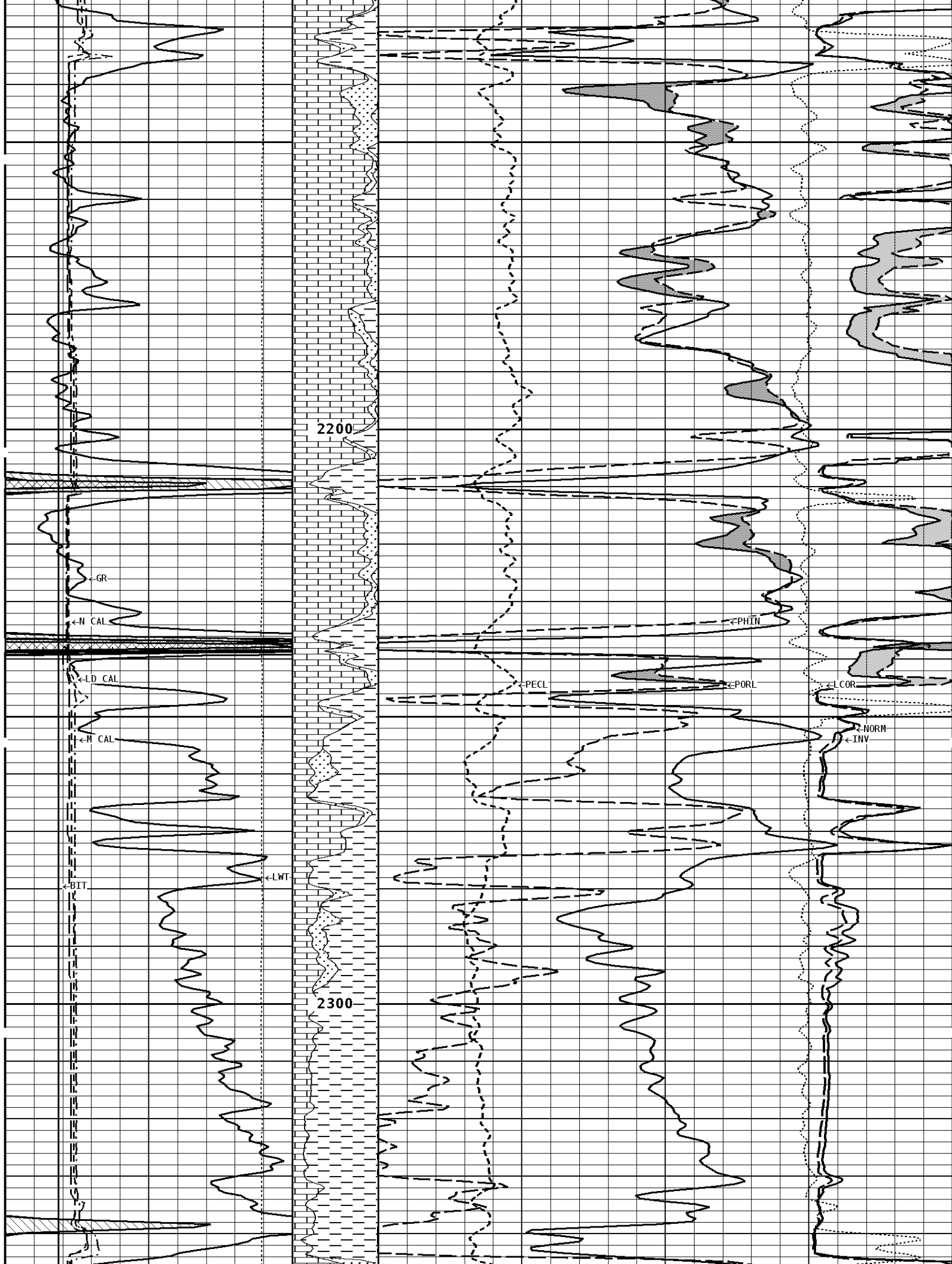
BIT SIZE INCHES (IN)

NORMAL OHMH

6	16			0	40
NEUTRON (Y) CALIPER INCHES (IN)				INVERSE OHMM	
16	26			0	40
6	16				
DENSITY (X) CALIPER INCHES (IN)		Volume Quartz	PE CROSS-SECTION BARN/ELECTRON	DENSITY CORRECTION G/CC	
16	26				
6	16	0	10	-0.25	0.25
TENSION LBS		Volume Calcite	DENSITY POROSITY (2.71g/cc) PERCENT		
10000	0		70		30
			30		-10
			-10		-50
GAMMA RAY API UNITS		Volume Dolo/Shale	NEUTRON POROSITY (LIMESTONE) PERCENT		
150	300				
0	150		30		-10

1:240 MAIN SECTION





2200

2300

← GR

← N CAL

← LD CAL

← M CAL

← BIT

← LWT

← PHIN

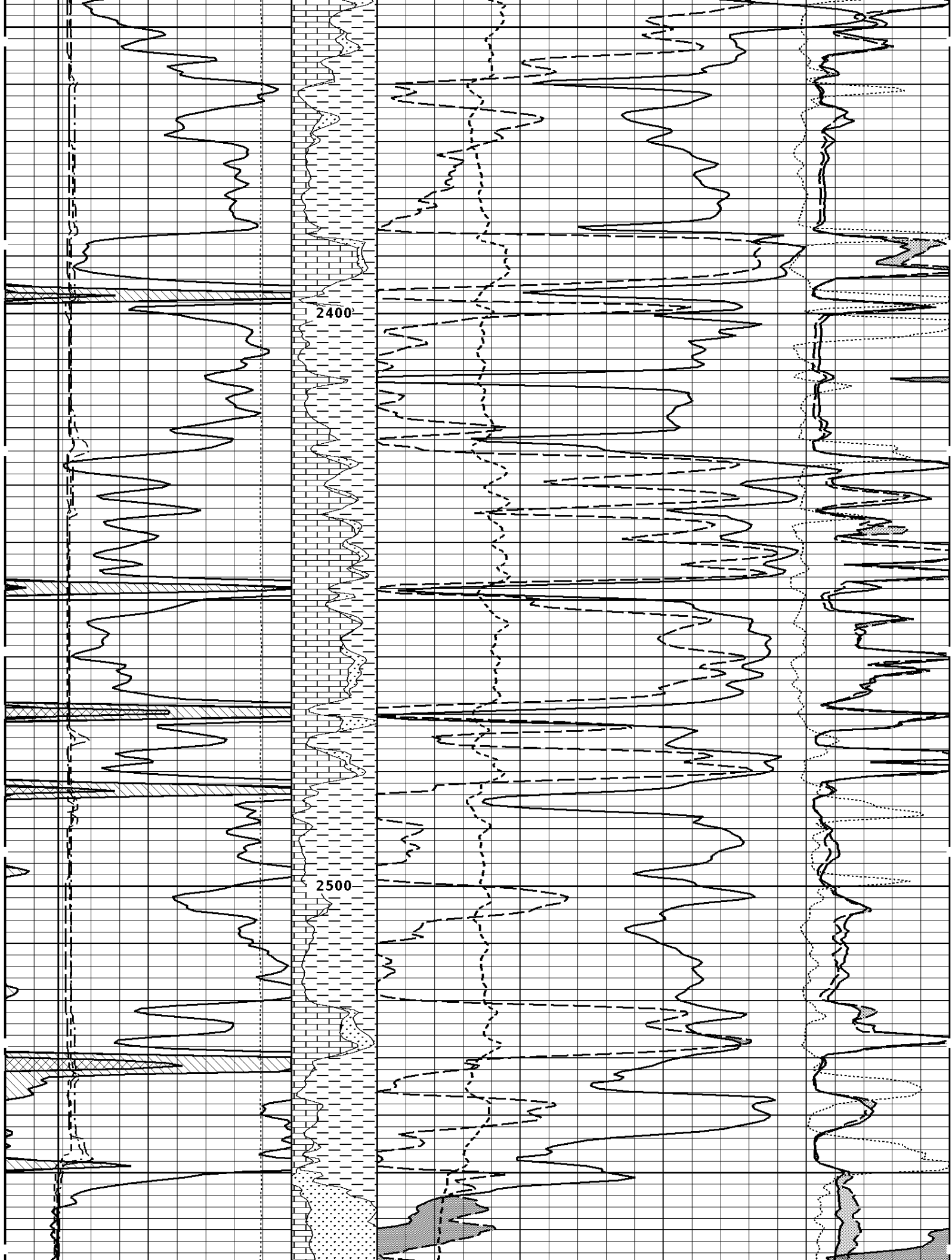
← PECL

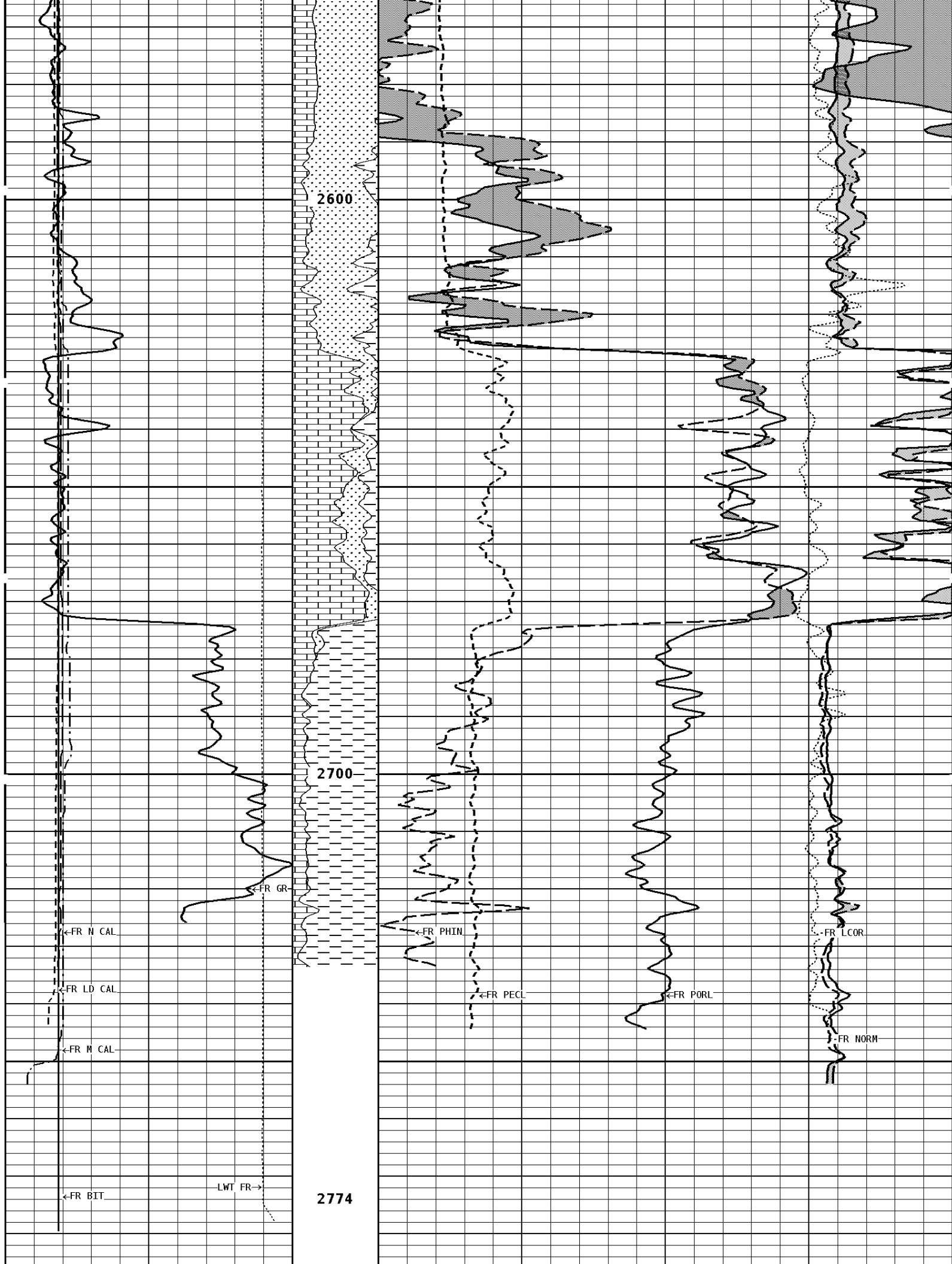
← PORL

← L COR

← NORM

← INV





2600

2700

2774

<FR N CAL

<FR LD CAL

<FR M CAL

<FR BIT

LWT FR->

<FR GR

<FR PHIN

<FR PECL

<FR PORL

<FR L COR

<FR NORM

1:240 MAIN SECTION

GAMMA RAY API UNITS 150 300 0 150	Volume Dolo/Shale 	NEUTRON POROSITY (LIMESTONE) PERCENT 30 ----- -10	
TENSION LBS 10000 ----- 0	Volume Calcite 	DENSITY POROSITY (2.71g/cc) PERCENT 70 30 ----- -10 ----- -50	
DENSITY (X) CALIPER INCHES (IN) 16 6 ----- 16	Volume Quartz 	PE CROSS-SECTION BARNs/ELECTRON 0 ----- 10	DENSITY CORRECTION G/CC -0.25 ----- 0.25
NEUTRON (Y) CALIPER INCHES (IN) 16 6 ----- 16			INVERSE OHMM 0 ----- 40
BIT SIZE INCHES (IN) 6 ----- 16			NORMAL OHMM 0 ----- 40
CALIPER MICRO INCHES (IN) 16 6 ----- 16			

* Borehole Zone Factors *

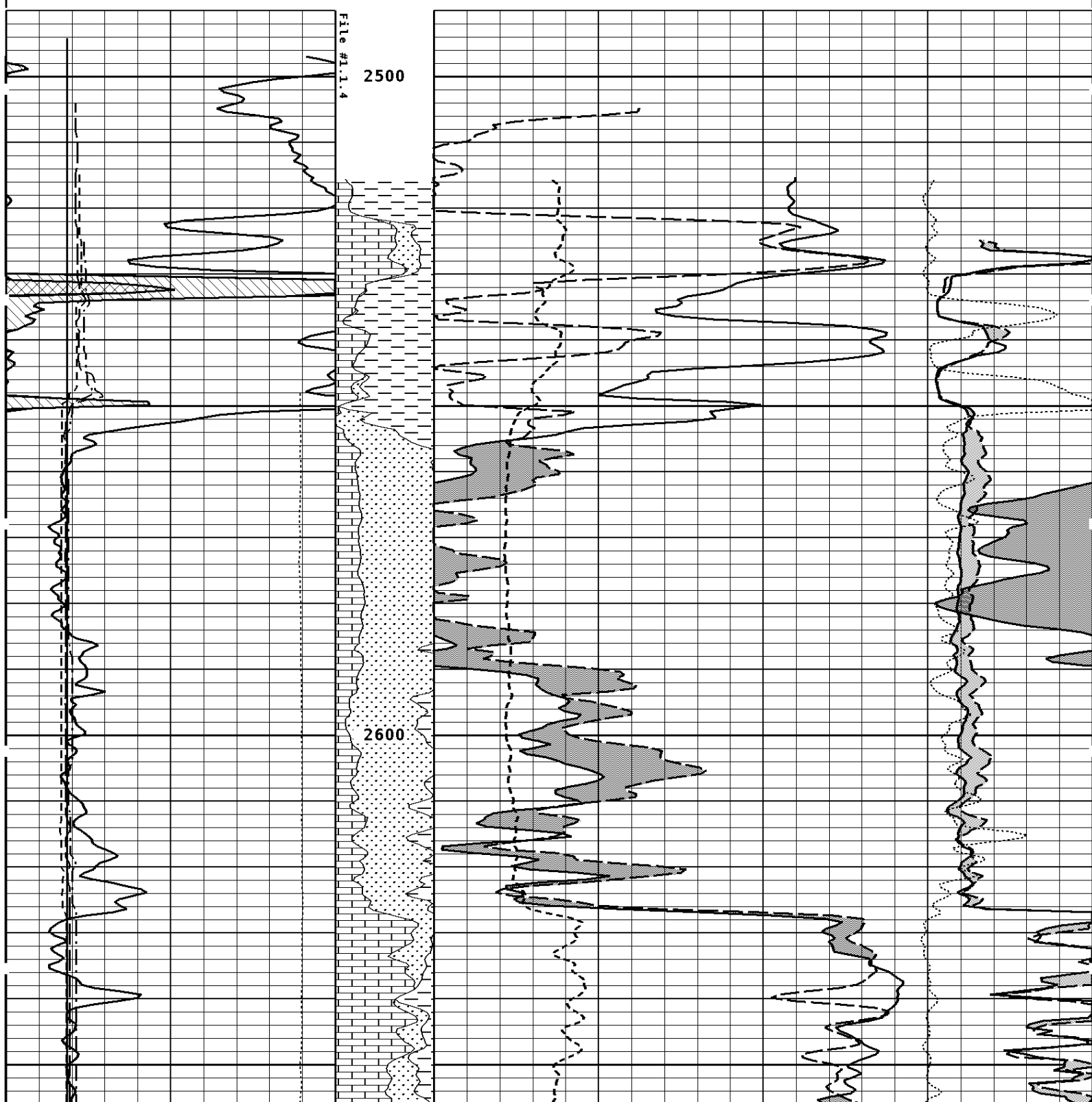
Zone 1 99999.0 to 0.0 Feet
Matrix Density _____ 2.71 g/cc Fluid Density _____ 1.00 g/cc Formation Matrix _____ Limestone Drill Bit Size _____ 7.875 in Casing Diameter _____ 5.500 in Casing Thickness _____ 0.250 in Casing Correction (PHI N) _____ Disable

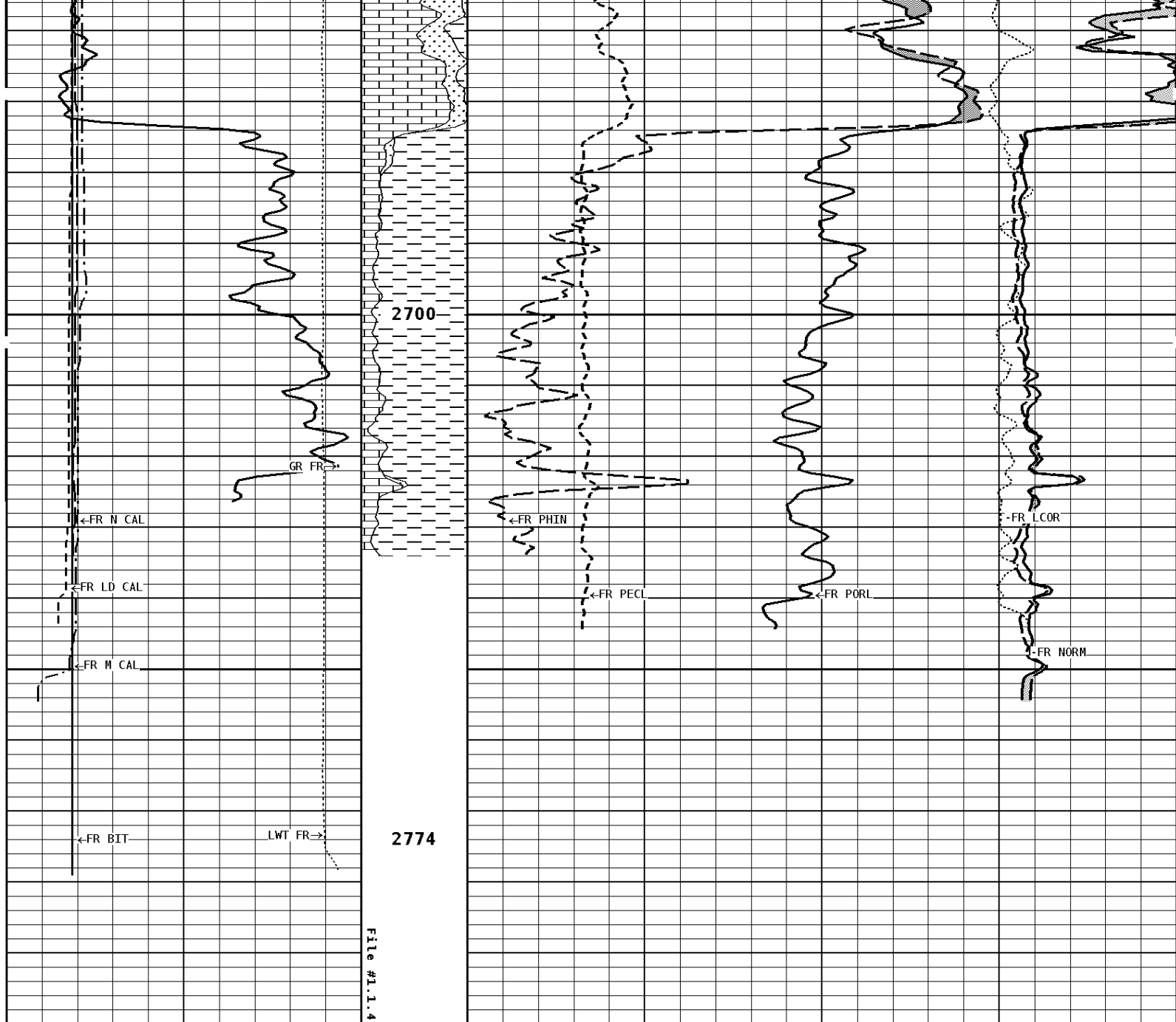
Well File: leo-web-b-6-mstk-jun-23	Scale: 1:240	Format: NLD-240
Segment: V1.D1.S4 RP	Acquired: 2014-06/23 17:25 3.3.0-12594	
Reference: 0	Processed: 2014-06/23 18:33 3.3.0-12594	

CALIPER MICRO INCHES (IN) 16 6 ----- 16				
BIT SIZE INCHES (IN) 6 ----- 16				NORMAL OHMM 0 ----- 40
NEUTRON (Y) CALIPER INCHES (IN) 16 6 ----- 16				INVERSE OHMM 0 ----- 40
DENSITY (X) CALIPER INCHES (IN) 16 6 ----- 16	Volume Quartz 	PE CROSS-SECTION BARNs/ELECTRON 0 ----- 10	DENSITY CORRECTION G/CC -0.25 ----- 0.25	

6	16	0	10	-0.25	0.25
TENSION LBS		Volume Calcite	DENSITY POROSITY (2.71g/cc) PERCENT		
10000	0	70 30 -10	30 -10 -50		
GAMMA RAY API UNITS		Volume Dolo/Shale	NEUTRON POROSITY (LIMESTONE) PERCENT		
150	300	30	-10		
0	150				

1:240 REPEAT SECTION





1:240 REPEAT SECTION

GAMMA RAY API UNITS 150 0 300 150		Volume Dolo/Shale 30	NEUTRON POROSITY (LIMESTONE) PERCENT -10	
TENSION LBS 10000 0		Volume Calcite 70 30 -10	DENSITY POROSITY (2.71g/cc) PERCENT 30 -10 -50	
DENSITY (X) CALIPER INCHES (IN) 16 6 26 16		Volume Quartz 0	PE CROSS-SECTION BARNs/ELECTRON 10	DENSITY CORRECTION G/CC -0.25 0.25
NEUTRON (Y) CALIPER INCHES (IN) 16 6 26 16				INVERSE OHM-H 0 40

BIT SIZE INCHES (IN)	
6	16
CALIPER MICRO INCHES (IN)	
16	26
6	16

NORMAL OHMM	
0	40

*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet		
Matrix Density	2.71	g/cc
Fluid Density	1.00	g/cc
Formation Matrix	Limestone	
Drill Bit Size	7.875	in
Casing Diameter	5.500	in
Casing Thickness	0.250	in
Casing Correction (PHI N)	Disable	

Well File: leo-web-b-6-mstk-jun-23 Scale: 1:240 Format: LDT-240
 Segment: V1.D1.S6 MAIN Acquired: 2014-06/23 17:39 3.3.0-12594
 Reference: 0 Processed: 2014-06/23 18:33 3.3.0-12594

BIT SIZE INCHES (IN)	
6	16

NEUTRON (Y) CALIPER INCHES (IN)	
16	26
6	16

DENSITY (X) CALIPER INCHES (IN)	
16	26
6	16

PE CROSS-SECTION BARN/ELECTRON	DENSITY CORRECTION G/CC
0	10

-0.25	0.25

TENSION LBS	
10000	0

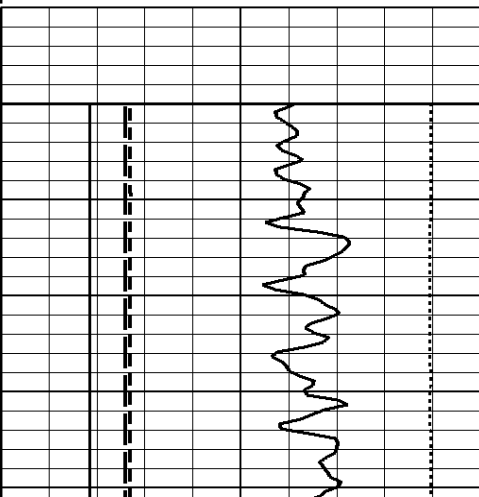
COMPENSATED BULK DENSITY G/CC	
3.0	4.0
2.0	3.0
1.0	2.0

GAMMA RAY API UNITS	
150	300
0	150

- BHV AHV -
CU. FT

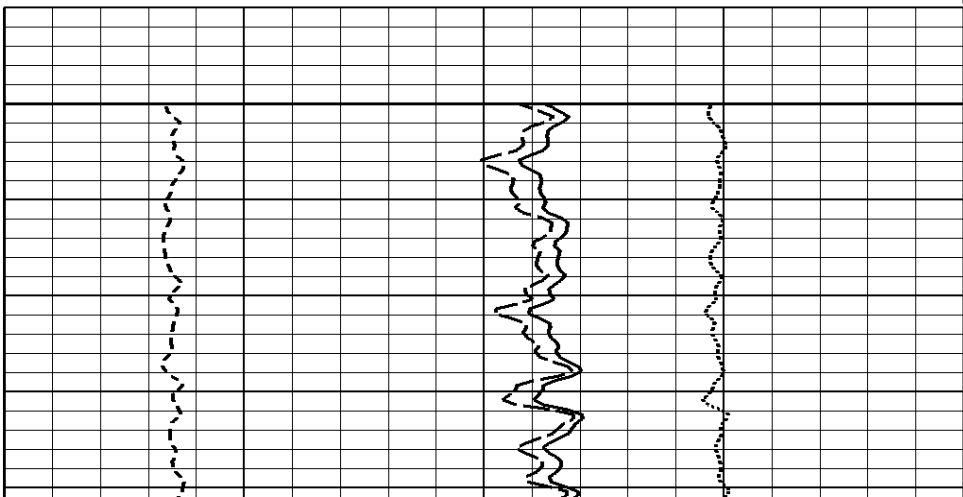
DENSITY POROSITY (2.71g/cc) PERCENT	
70	30
30	-10
-10	-50

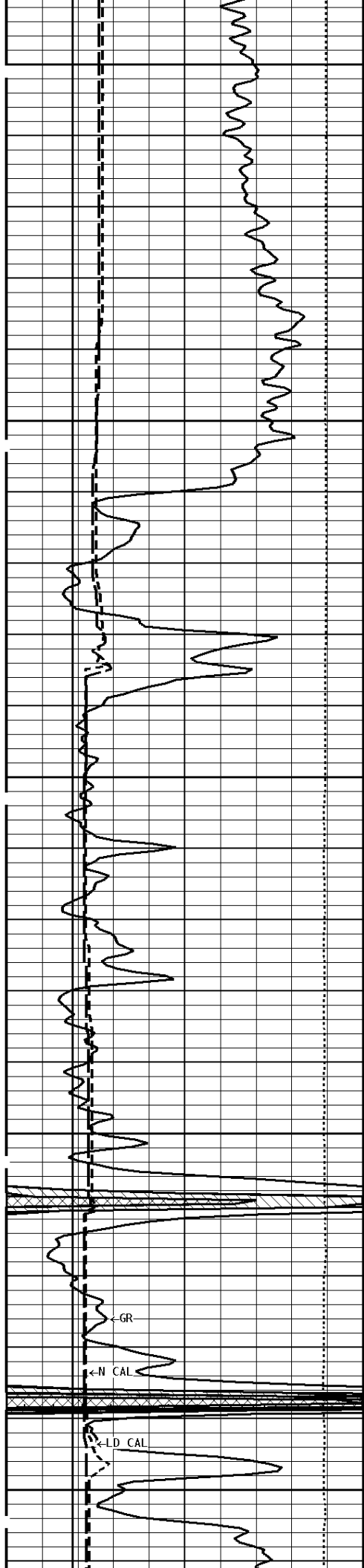
**1:240 MAIN SECTION
BULK DENSITY**



File #1.1.6

2000



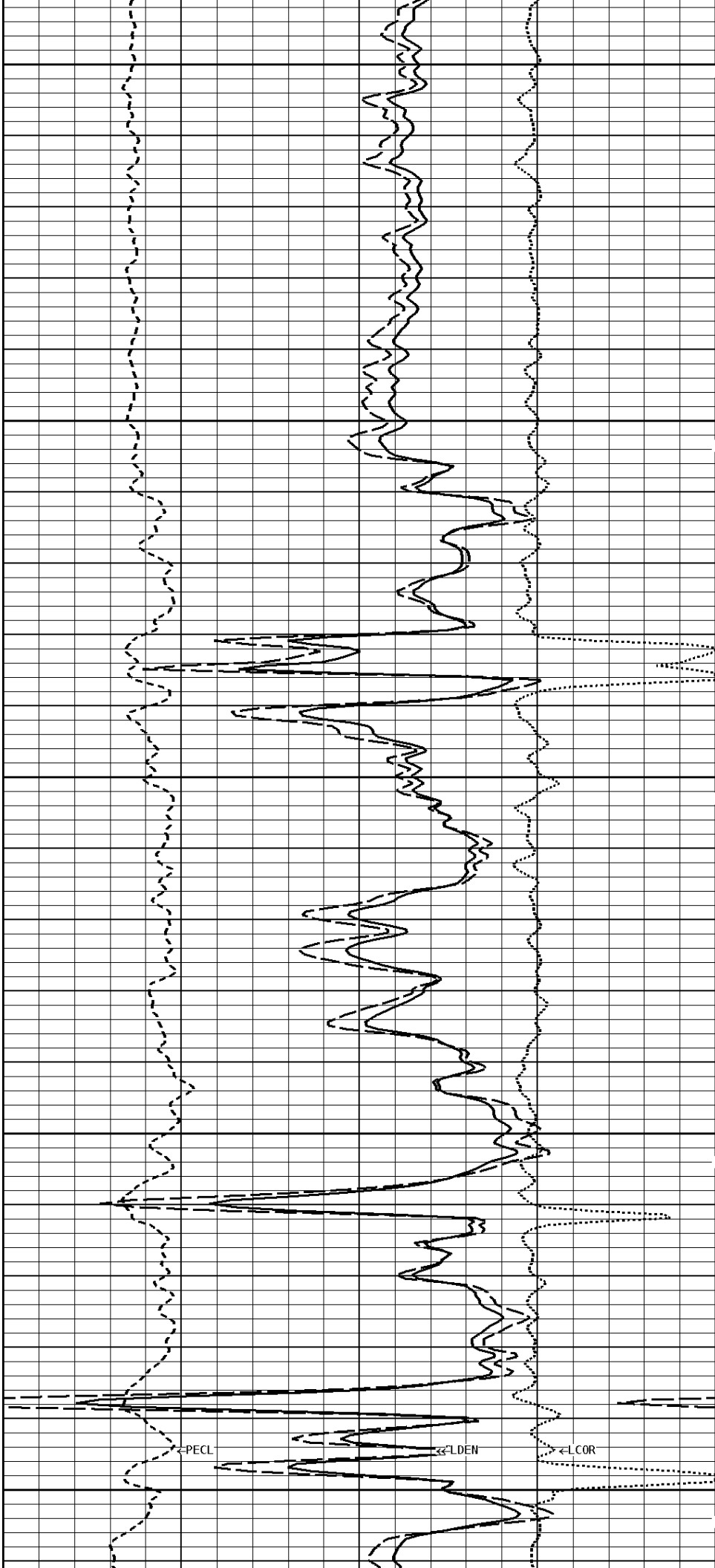


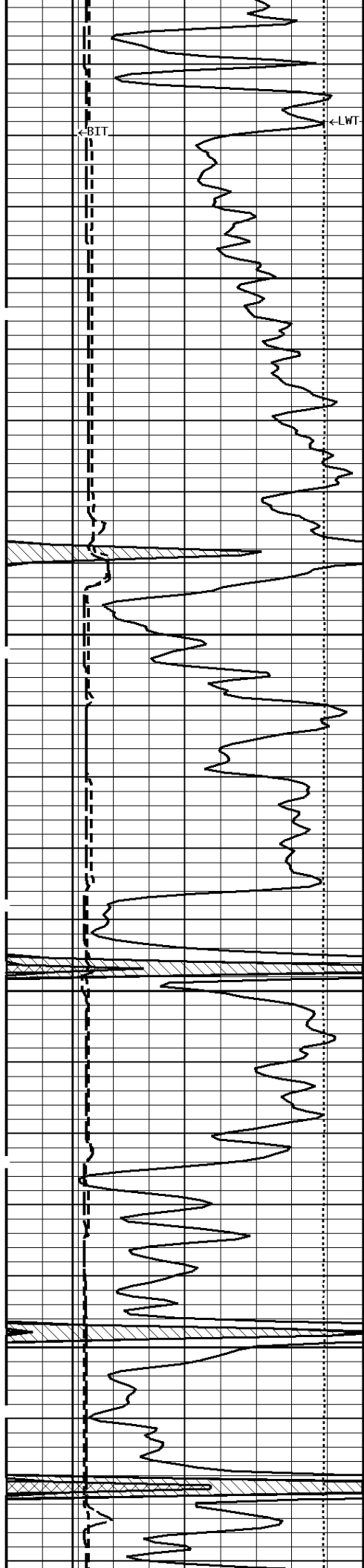
2100

200Cu.Ft

2200

100Cu.Ft

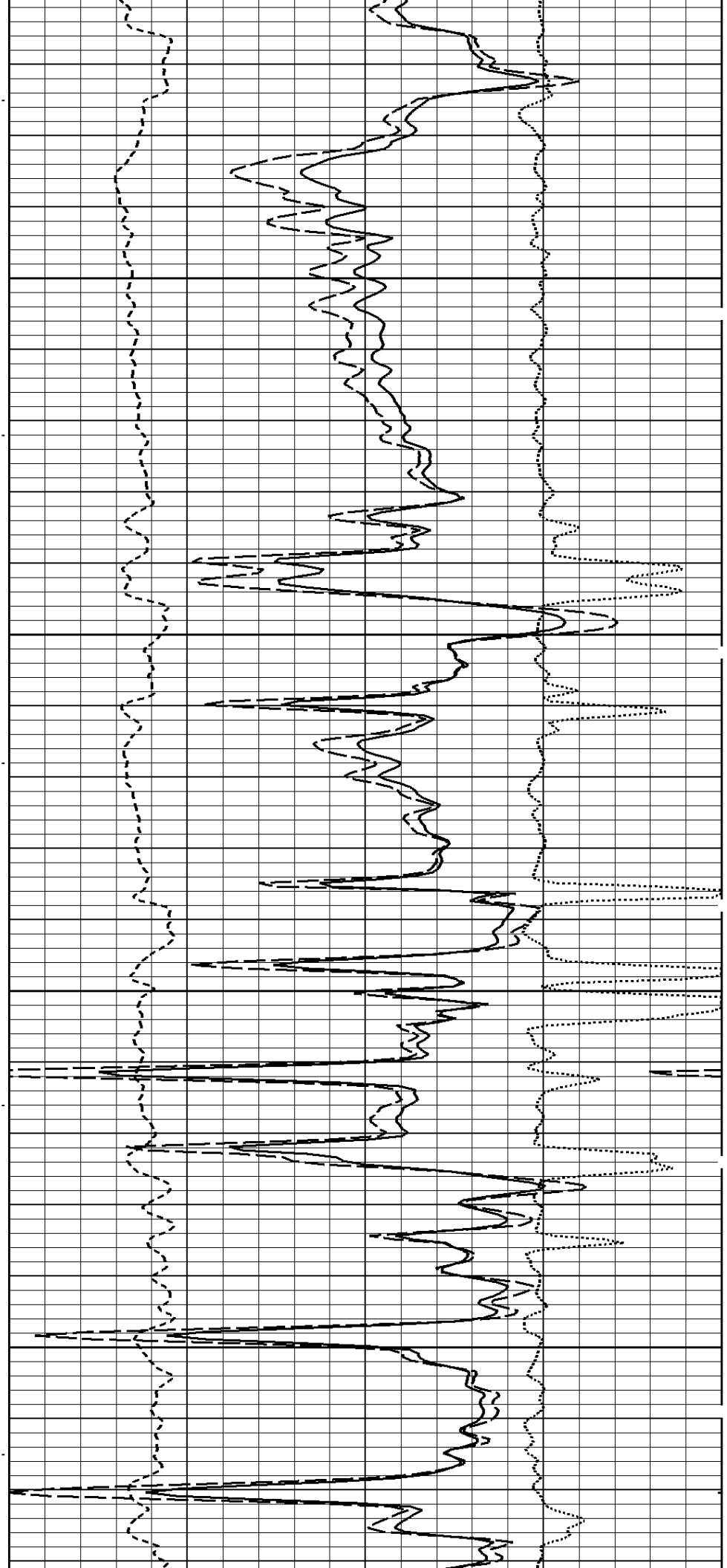


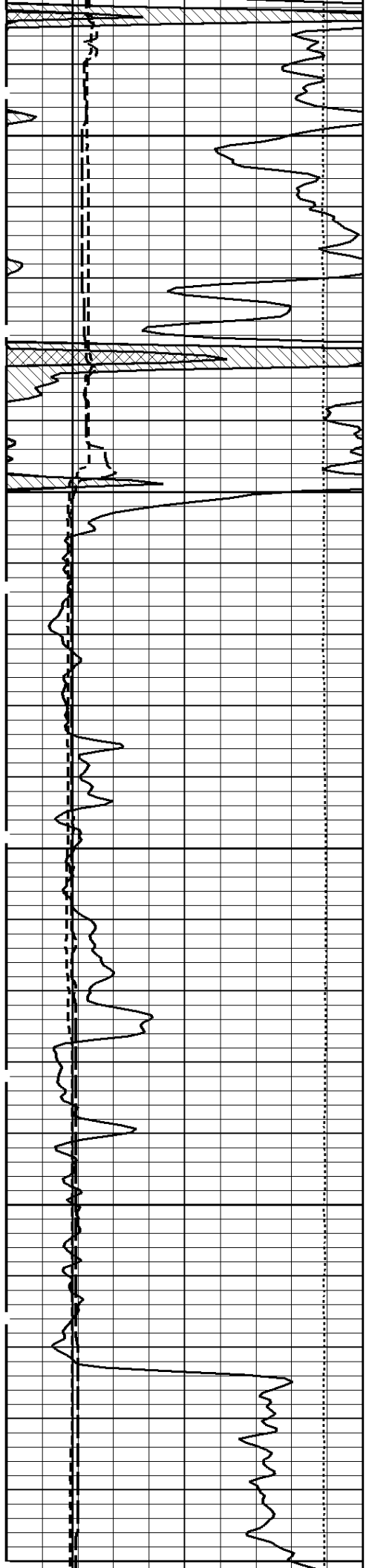


2300

2400

-100Cu.Ft

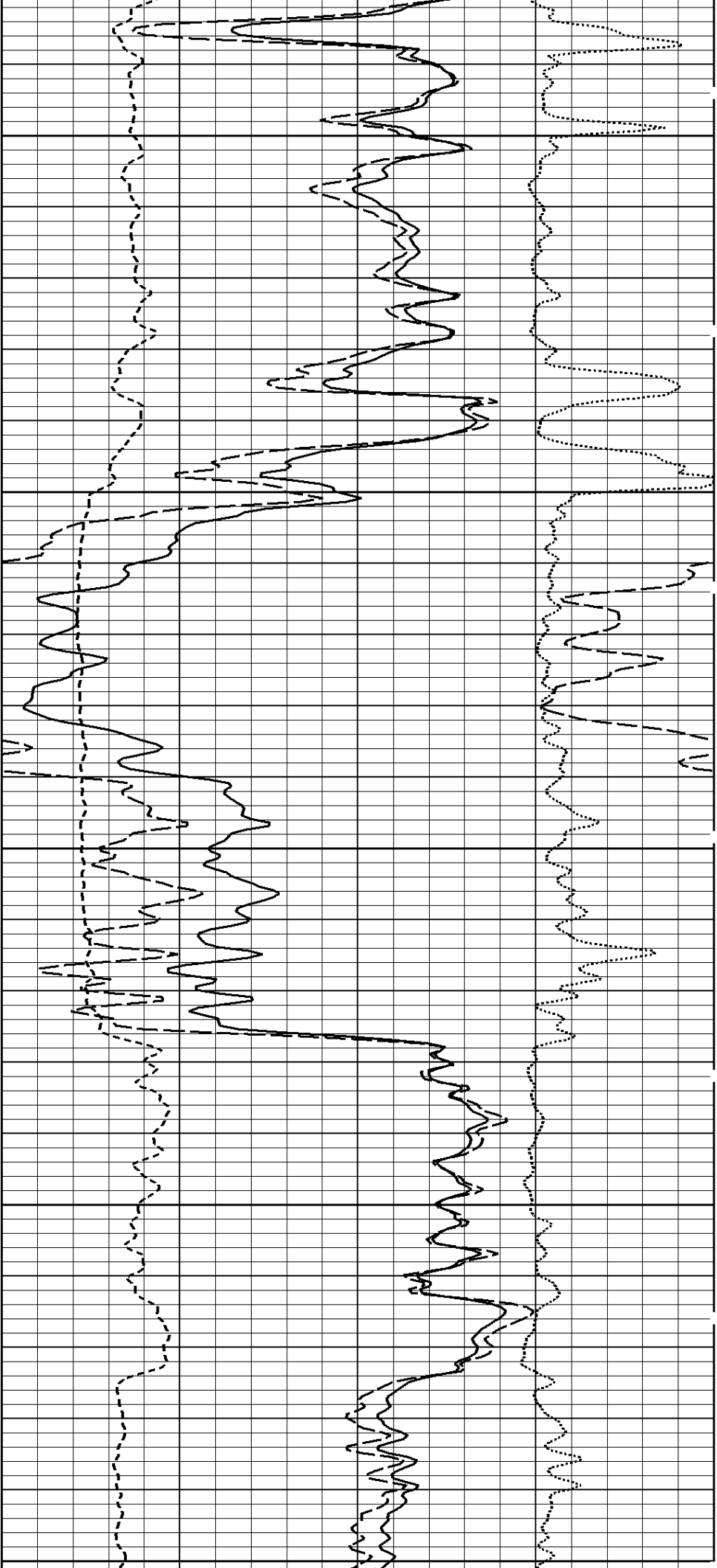


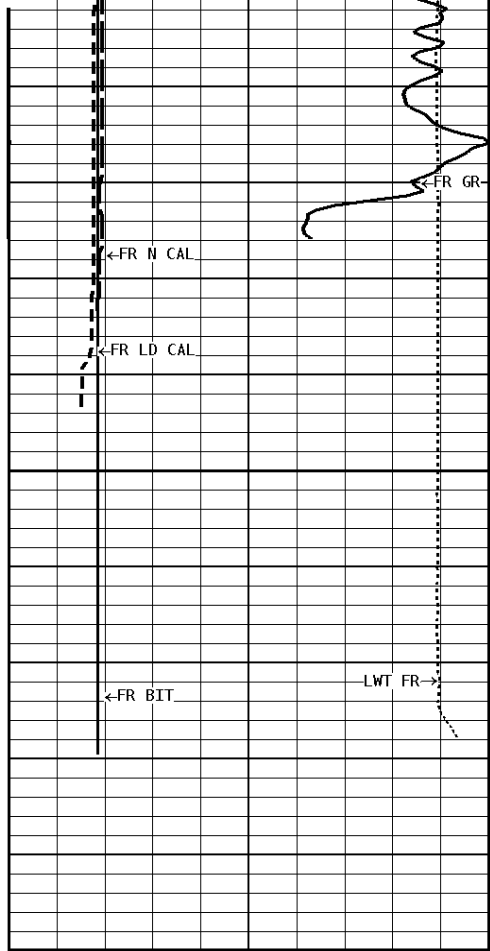


2500

2600

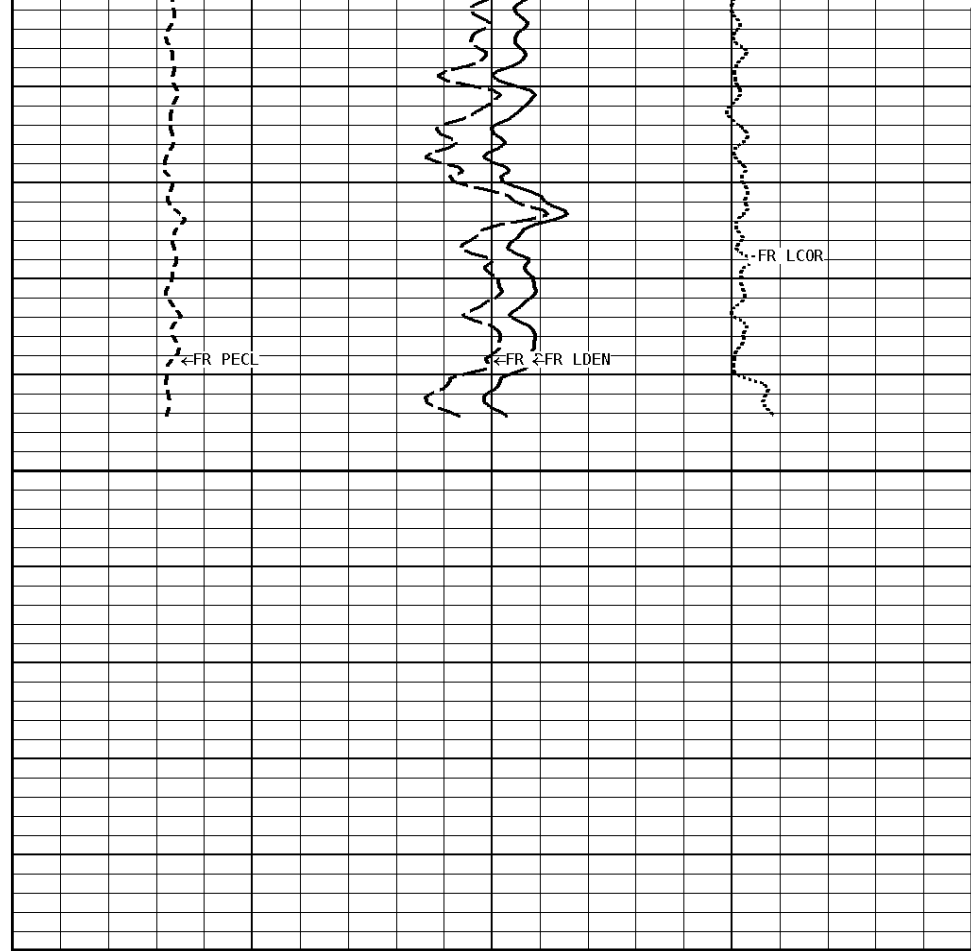
2700





2774

File #1.1.6



1:240 MAIN SECTION
BULK DENSITY

GAMMA RAY API UNITS	- BHV AHV - CU.FT
150 0 300 150	
TENSION LBS	
10000 0	
DENSITY (X) CALIPER INCHES (IN)	
16 6 26 16	
NEUTRON (Y) CALIPER INCHES (IN)	
16 6 26 16	
BIT SIZE INCHES (IN)	
6 16	

DENSITY POROSITY (2.71g/cc) PERCENT	
70 30 -10	30 -10 -50
COMPENSATED BULK DENSITY G/CC	
3.0 2.0 1.0	4.0 3.0 2.0
PE CROSS-SECTION BARN/ELECTRON	DENSITY CORRECTION G/CC
0 10	-0.25 0.25

*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet		
Matrix Density	_____	2.71 g/cc
Fluid Density	_____	1.00 g/cc
Formation Matrix	_____	Limestone
Drill Bit Size	_____	7.875 in
Casing Diameter	_____	5.500 in
Casing Correction (PHI N)	_____	Disable

*** Calibration Summary ***

Shop Calibration GRT-B					
Performed : 21-APR-2014			Time : 11:21		
Sensor Suite : GR-GR5			ID : GRT-BB-107		
	Background	Measured Jig	Units	Calibrated Jig	Units
GR	75	381	CPS	175	GRAPI

Shop Calibration CNT-AA					
Performed : 29-MAY-2014			Time : 10:57		
Sensor Suite : CALI-BCN			ID : NDT-BD-133		
	Jig - Measured		Jig - Calibrated		Units
CL # 1	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	9.3	13.9	6.0	12.0	

Performed : 29-May-2014			Time : 10:46		
Sensor Suite : BHC NEUT			ID : CNP-AA-024		
Source ID : N-1045					
	Tank		Verification		Units
	Measured	Calibrated	Jig		
N/F	3.8815	3.6893	3.7002		
Porosity	23.5	20.5	20.7		%

Shop Calibration LDT-DF					
Performed : 29-MAY-2014			Time : 13:15		
Sensor Suite : CALI-LTH			ID : PDT-GA-465		
	Jig - Measured		Jig - Calibrated		Units
CL # 1	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	7.2	10.9	6.0	12.0	

Performed : 29-May-2014			Time : 11:26		
Sensor Suite : BHCPENLNG			ID : LDP-DA-065		
Source ID : 2991GW					
Short Space					
	BKGD	Al	Mg	Al+Fe	Units
LSW1	69	1146	1855	747	CPS
LSW2	70	1383	2179	989	CPS
LSW3	266	3133	5006	2684	CPS
LSW4	324	2793	3933	2482	CPS
LSW5	30	56	85	52	CPS
LSW6	88	91	76	92	CPS
LSW7	55	59	56	58	CPS
LSW8	1	4	13	4	CPS
QS	0.231	0.214	0.154	0.225	
PES			2.778	5.967	
SSDN		2.600	1.680		G/CC
Long Space					
	BKGD	Al	Mg	Al+Fe	Units
LLW1	120	1329	5838	805	CPS
LLW2	147	2295	8846	1681	CPS
LLW3	463	4102	15035	3563	CPS
LLW4	519	1973	6097	1791	CPS
LLW5	63	75	160	73	CPS
LLW6	153	151	126	150	CPS
LLW7	103	101	89	100	CPS
LLW8	6	9	32	9	CPS
QL	0.196	0.197	0.172	0.201	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC

Shop Calibration MST-DA					
Performed : 12-May-2014			Time : 11:19		
Sensor Suite : CALI-MSN			ID : MST-DA-057		
	Jig - Measured		Jig - Calibrated		Units
CL # 1	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	7.1	11.4	6.0	12.0	

Performed : 12-May-2014			Time : 11:13		
Sensor Suite : MSTDA-NI			ID : MST-DA-057		

	Measured		Internal Units	Calibrated		Units
	Zero	Reference		Zero	Reference	
	INV-V	288.8		30429.7	0.00	
NOR-V	165.4	30363.3	0.00	1636.00	MV	
IN-C	163.6	30670.3	0.00	15.46	UA	
INV-R				32.14	OHMM	
NOR-R				58.31	OHMM	
Performed : 12-May-2014			Time : 11:15			
Sensor Suite : MSTDAMSF			ID : MST-DA-057			
	Measured		Internal Units	Calibrated		Units
	Zero	Reference		Zero	Reference	
	MSFC	20.2		42595.3	0.00	
MSFB	32762.1	52824.9	0.00	1522.00	MA	
MOM1	0.0	42313.5	0.00	1522.00	MV	
MSFRA				43.30	OHMM	



Tucker
ENERGY SERVICES

Company: LEON C. SMITHERMAN JR.

Well: WEBER B #6

Location: 550' FSL & 984' FEL

Logged: 06-23-2014

K.B. Elev: 1430.0 Ft

GEOLOGICAL REPORT

Leon C. Smitherman, Jr.

Weber B #6

NE SW SE SE Section 19-T24S-R5E

Butler County, Kansas

COMMENCED: 06-21-14
 COMPLETED: 06-24-14
 CONTRACTOR: Gillick Drilling Company
 SIZE OF HOLE: 7 7/8"
 SURFACE PIPE: 8 5/8"
 CEMENTED WITH: N/A
 LONG STRING: 5 1/2"
 CEMENTED WITH: N/A
 R.T.D.: 2774'

STATUS: Oil
 A.P.I. #: 15-015-24030
 OPERATOR LIC.: 33025
 FIELD: Plum Grove East
 ELEVATION: 1430 K.B.
 LOGS: PIT CNT/LDT MLT
 MUD SYSTEM: Chemical
 OTHER:

William M. Stout
 6-24-14

William M. Stout
 Geologist

FORMATION TOPS

1422 G.L. 1430 K.B.

	Sample	Log
Ardmore	2523 -1093	2521 -1091
Mississippi Chert	2555 -1125	2553 -1123
Mississippi Lime	2624 -1194	2626 -1196
Kinderhook	2676 -1246	2674 -1244
Total Depth	2774 -1344	2774 -1344

SAMPLE DESCRIPTIONS

Mississippi Chert 2555' (-1125)
 2555' - 2591'

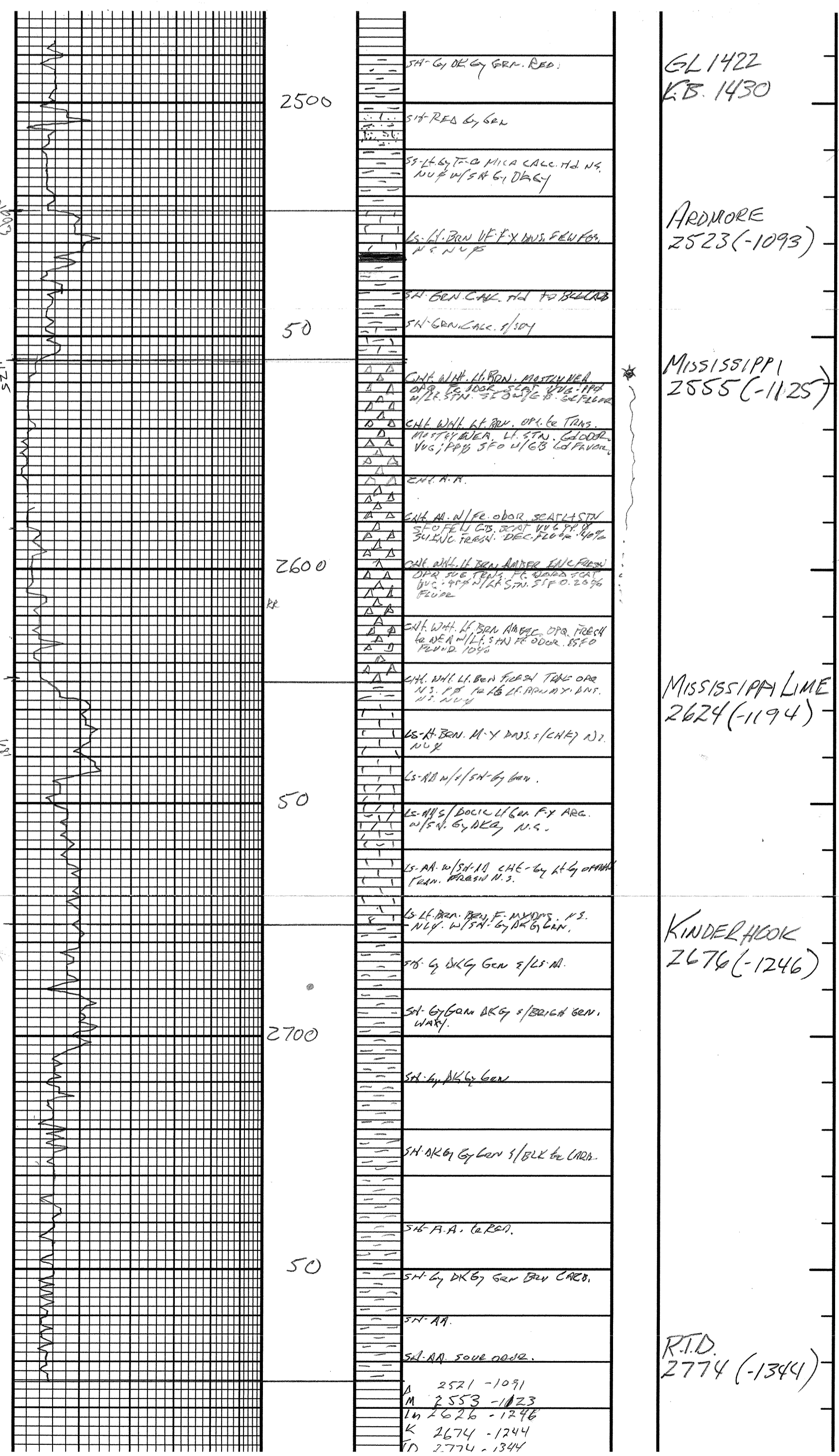
Chert - light brown, white, opaque trace translucent, mostly weathered, good odor, light stain, show free oil with gas bubbles, scattered pin point and vugular porosity, good fluorescence.

2592' - 2624'

Chert - light brown, white, amber, translucent to opaque, fresh, faint odor, scattered light stain, very slight show free oil, trace pip point and vugular porosity with fluorescence.

CONCLUSIONS

The decision was made to set and cement 51/2" casing to further evaluate the shows in the Mississippian through perforations.



GEOLOGICAL REPORT

Leon C. Smitherman, Jr.

Weber B #6

NE SW SE SE Section 19-T24S-R5E

Butler County, Kansas

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 FIELD: Plum Grove East
 ELEVATION: 1430 K.B.
 LOGS: PIT CNT/LDT MLT
 MUD SYSTEM: Chemical
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William M. Stout
 6-24-14

William M. Stout
 Geologist

FORMATION TOPS

1422 G.L. 1430 K.B.

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SAMPLE DESCRIPTIONS

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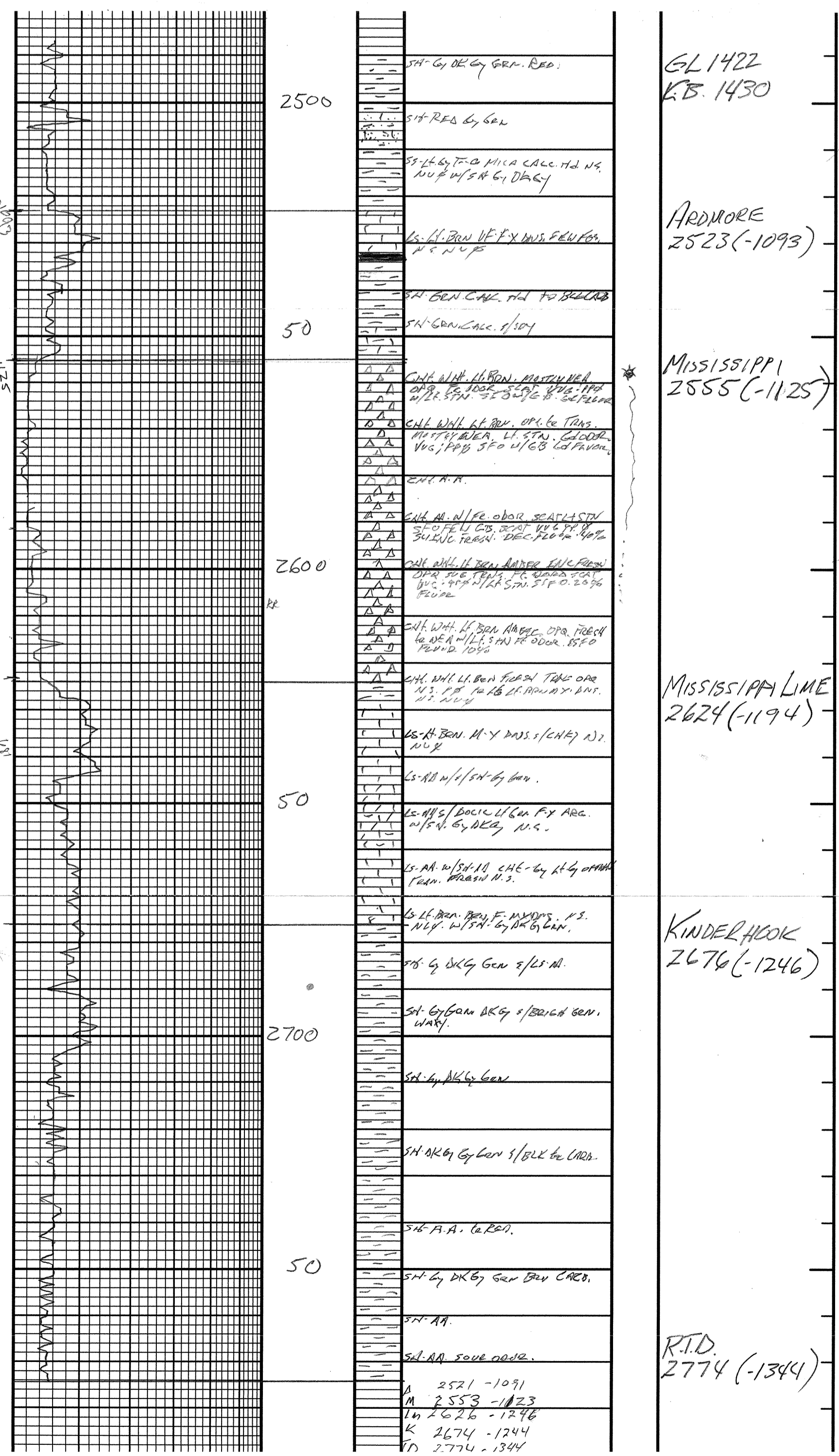
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CONCLUSIONS

The decision was made to set and cement 51/2" casing to further evaluate the shows in the Mississippian through perforations.





CONSOLIDATED
Oil Well Services, LLC

268978

TICKET NUMBER 46363

LOCATION 180

FOREMAN Jacob Storm

J Box 884, Chanute, KS 66720
20-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

Api. 1505-24030-00-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
6-20-14	7682	weber B #G	19	24	5	Butler																
CUSTOMER Leon Smitherman			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>467</td> <td>Ron</td> <td></td> <td></td> </tr> <tr> <td>502</td> <td>Larry</td> <td></td> <td></td> </tr> <tr> <td>702</td> <td>Jacob</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	467	Ron			502	Larry			702	Jacob		
TRUCK #	DRIVER	TRUCK #					DRIVER															
467	Ron																					
502	Larry																					
702	Jacob																					
MAILING ADDRESS 14331 Tipperary circle																						
CITY Wichita	STATE KS	ZIP CODE 67230																				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 22.5 CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 21' + 13 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15 lb SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 14 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting Break calculation mix 125.5 lbs class A
3/4 cc gel 2/4 gal 1/2 lb poly displaced with 13 bbl circulating
cement to surface shut in

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	870 870	870.00
5406	12	MILEAGE	4.20	50.40
5407	1	min bulk delivery	368.00	368.00
1104S	125	class A	15.70	1962.50
1102	300	calcium chloride	.78	234.00
1118B	250	gel	.22	55.00
1107	50	poly-flake	2.47	123.50
			Subtotal	3663.40
				712.50
			total	2950.90
			SALES TAX	106.40
			ESTIMATED TOTAL	3057.30

See B-6 Drilling file for invoice
comp.



CONSOLIDATED
Oil Well Services, LLC

269046

TICKET NUMBER 46396
LOCATION El Dorado
FOREMAN Fuzz

0 Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

125

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-24-14	7682	Webber B-6	19	24	5	Butler
CUSTOMER Smitherman Oil Co.			shop N-50th Hoppers Switch 310 EIN			
MAILING ADDRESS 14331 Tipperary Circle						
CITY Wichita	STATE KS	ZIP CODE 67230				
TRUCK #	DRIVER	TRUCK #				
			446	Josh		
			502	Mark		

JOB TYPE Production HOLE SIZE 7 7/8 HOLE DEPTH 2774 CASING SIZE & WEIGHT 5 1/2
CASING DEPTH 2753 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 15.2 SLURRY VOL 1.48 WATER gal/sk _____ CEMENT LEFT in CASING 13 80
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Gullet #1. Float equip Turbo 1-3-5-7-9-11
Basket #12. Rig up and circulate. Pump 5 BBL water, 500 gal
mud flush, 5 BBL water. Mix 150 SKS class 'A' 30 gal 20 cc
5* Kolseal. Wash pump and lines. Drop plug and displace
66 BBL. 750* lift press, 1150* land. Float hold

Thanks Fuzz & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085 ⁰⁰	1085 ⁰⁰
5406	NA	MILEAGE	420	W/C
5407	7.1 Ton	Tow mileage Delivery	368 ⁰⁰	368 ⁰⁰
1104S	150 SKS	CLASS 'A'	1520	2355 ⁰⁰
1102	282 #	Calcium Chloride	.78	219 ⁹⁶
1118B	423 #	Bentonite	.22	93 ⁰⁶
1110A	750 #	Kolseal	.46	345 ⁰⁰
1144G	500 gal	Mud Flush	1.10	550 ⁰⁰
4159	1	5 1/2 - AFU Float shoe	361 ⁰⁰	361 ⁰⁰
4454	1	5 1/2 - hatchdown Assy	266 ²⁵	266 ²⁵
4136	6	5 1/2 - S-band Turbolizers	75 ²⁵	454 ⁵⁰
4104	1	5 1/2 - Basket	290 ⁰⁰	290 ⁰⁰
		subtotal		6388 ²¹
		30% disc-cement materials		903 ⁹⁰
		subtotal		5484 ³⁷
		SALES TAX		258.01
		ESTIMATED TOTAL		5742.38