

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 16541 A

ml-34

1 of 2

DATE _____ TICKET NO. _____

DATE OF JOB 4-19-18 DISTRICT Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:				
CUSTOMER Raney Oil Company		LEASE WOLF		WELL NO. 4		
ADDRESS		COUNTY Sumner		STATE KS		
CITY		STATE		SERVICE CREW MATTAL HANSON Clyrec		
AUTHORIZED BY		JOB TYPE: 2-42 5 1/2" Long string				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 4-19-18 AM 2:00
27463	1	LS				ARRIVED AT JOB AM 6:15
73768	.5					START OPERATION AM 10:17
						FINISH OPERATION AM 11:44
						RELEASED 4:20 PM 12:17
						MILES FROM STATION TO WELL 100

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA-2	sq	275		4,675 00
CP 105	AA-2	sq	50		850 00
CC 109	C-4IP	lb	151		604 00
CC 111	SALT	lb	1844		922 00
CC 113	SYP	lb	301		225 75
CC 200	CMT gel	lb	301		75 25
CC 201	oil solvent	lb	1602		1,073 34
CC 148	C 17	lb	181		3,620 00
CC 112	CMT FRICTION REDUCER	lb	91		546 00
CF 120	AUTO FILL FLOAT SHOE	ea	1		300 00
CF 607	LATCH DOWN PLUG + BARRIER	ea	1		400 00
CF 1901	BASKET	ea	3		870 00
CF 169	TURBOLIZER	ea	15		6650 00
CC 151	MUD PLUGS	gal	500		750 00
CT 04	CLAYMAY	gal	4		140 00
E 100	P. W. miles	mi	100	.	450 00
E 101	heavy eq. miles	mi	200	.	1,500 00
E 113	prop + bulk gel	tm	1806	.	3,762 50
CE 204	depth charge 3001-4000	lbs	1	.	2,160 00

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

SERVICE REPRESENTATIVE *Mike Mattal* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



ogy services, L.P.

TREATMENT REPORT

for Raney Oil Company		Lease No.	Date	
Well # WOLF		Well # 4	4-19-18	
Field/Order # 16541	Station Pratt	Casing 5 1/2	Depth	County Sumner State KS
Type Job 2-42 5 1/2 Long string	Formation		Legal Description 29-34-2	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid 325 AA-2	2 cmg	RATE	PRESS	ISIP
Depth 3810.71	Depth 3854.67	From	To	Pre Pad	Max			5 Min.
Volume 70.4	Volume 89.6	From	To	Pad	Min			10 Min.
Max Press 1500	Max Press	From	To	Frac	Avg			15 Min.
Well Connection PC	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 3876.51	Packer Depth 3870	From	To	Flush 89.3	Gas Volume			Total Load

Customer Representative JASON BRUNS	Station Manager WESTERN	Treater MATT
Service Units 83353	27463	19903 73768
Driver Names MATT	HANSON	CLYMER

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
6:15					6:15 on location / safety meeting
6:30					Run 5 1/2" 17th casing / BARRIS on 1, 18, 25'
					TUBES 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 26, 28, 31'
					LTD 3890 RTD 3892
9:15					CSNG ON BOTTOM / hook to CSNG
9:15					BREAK circ w. RIG
10:17			7.5		Plug RAT + mouse holes
10:25	300		12	5	Pump 12 bbl mud flush
10:30	300		5	5	Pump 5 bbl water
10:34	200		76.4	4	MIX 275 SUS AA-2
10:51	-		4	4	WASH Pump + Line / DIOP Plug
10:54	200			5-7	START 2% KCl DISPLACEMENT
11:04	300		50	5.4	LIFT Pressure
11:10	800		80	3	SLOW RATE
11:14	150				Plug DOWN / released + hold
					CIRCULATION thru JOB
					JOB COMPLETE
					THANK YOU!
					M, Ue MATT
					JOSH + MICHAEL

Cement Callsheet



Company	Raney Oil Company		Service Point	Pratt, KS	
Well Type	<input checked="" type="checkbox"/> New	CONTRACTOR	Contact Person	Justin Westerman	620-672-1201
LEASE	Wolf		Duke #2	COUNTY	Sumner
	WELL #	4	SEC	29	TWP
				34	RANGE
					2

DIRECTIONS:

South Haven, Kansas - East to Rock Road, 1/2 North, East Into

Job Type	3950' Production Casing		Casing Size	5 1/2	Thread	8 rd	Weight	17
Equipment	plug rat & mouse holes 1st		Tubing/Drill Pipe Size		Thread		Weight	
			Hole Size	7 7/8	Packer		Bridge Plug	
Remarks:	2% KCL for 1st 50 bbl of displacement		Plug Container	Yes	Casing Swivel		Squeeze Manifold	No

5 1/2" Production Casing

CEMENT DATA

LEAD 1	Weight PPG	Type	Additives	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	
TAIL 1	Weight PPG	Type	Additives	
CP105	14.56	AA2 Cement	6% gypsum + 10% salt + 1% gel 0.6% fluid loss + 0.5% defoamer	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	0.3% friction reducer + 5 pps gilsonite
275	35%	1.56	6.91	
LEAD 2	Weight PPG	Type	Additives	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	
TAIL 2	Weight PPG	Type	Additives	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	
Rat Hole	Weight PPG	Type	Additives	
CP105	14.56	AA2 Cement	6% gypsum + 10% salt + 1% gel 0.6% fluid loss + 0.5% defoamer	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	0.3% friction reducer + 5 pps gilsonite
50		1.56	6.91	

Float Equipment

Part #	Quantity	Description	# Used	# Returned
CF1251	1	Auto Fill Float Shoe 5 1/2" (Blue)		
CF607	1	Latch Down Plug & Baffle, 5 1/2" (Blue)		
CF1901	3	5 1/2" Basket (Blue)		
CF1651	15	Turbolizer, 5 1/2" (Blue)		

Misc. Chemicals

Part #	Quantity	Description	# Used	# Returned
CC151	500	Mud Flush		
C704	4	Claymax KCL Substitute		

Ordered By	Jason Bruns	Phone 620-440-0170	Fax	Date of Job	04/19/18
Call Taken By	Scotty	Phone 620-770-1468	Email	Time Ready	6:30 PM
Operator or Driver Called	Dion Vasquez - pusher cell: 620-793-0840			Call Out Time	

GEOLOGIC REPORT

DANIEL T. JOHNSON

CONSULTING GEOLOGIST

19749 121ST RD, WINFIELD, KANSAS 67156

620-229-3258

**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: Wolfe #4

Location: 2310' FNL & 650' FWL S/2 SW NW S29-T34S-R2E

License Number: 32705

Region: Midcon

Spud Date: 4/13/18

Drilling Completed: 4/19/18

Surface Coordinates:

Bottom Hole

Coordinates:

Ground Elevation (ft): 1198'

K.B. Elevation (ft): 1206'

Logged Interval (ft): 2700'

To: 3892'

Total Depth (ft): 3892'

Formation: Arbuckle

Type of Drilling Fluid: Chemical

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Raney Oil Company, LLC

**Address: 4556 Bauer Brook Ct
Lawrence, Kansas**

GEOLOGIST

Name: Daniel T. Johnson

Company: Consulting Geologist

**Address: 19749 121st Rd
Winfield, Kansas 67156
620-229-3258**

Progress:

4/13: Move in,Rig up,Drilled 265', set 265' 8 5/8" surface casing

4/14: 265' WOC

4/15:1391' Drilling ahead

4/16:2310' Drilling

4/17:3056' Drilling

4/18:3515' Drilling

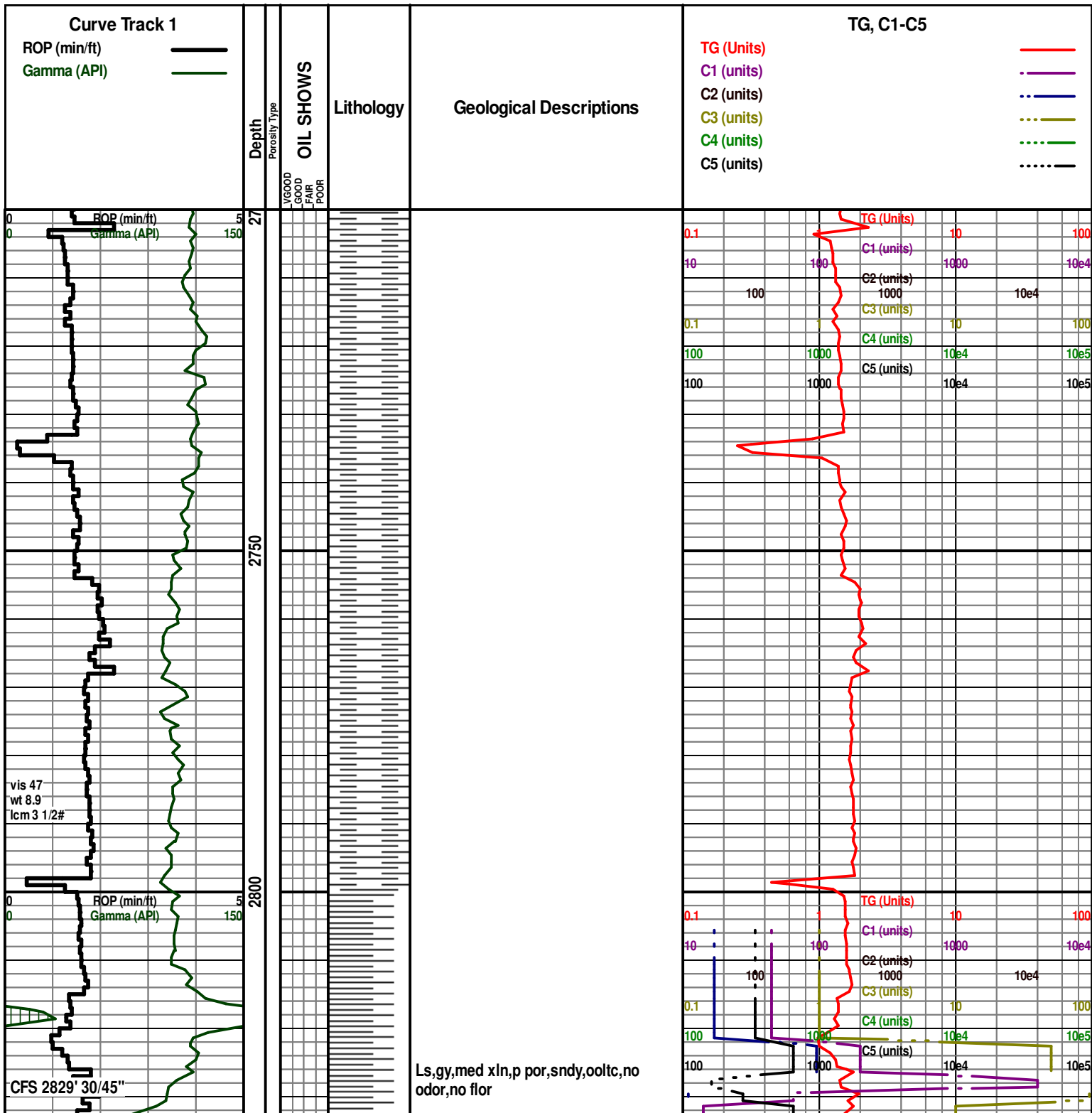
4/19:3892'RTD,ran elogs,set 5 1/2" 17# @ 3854'

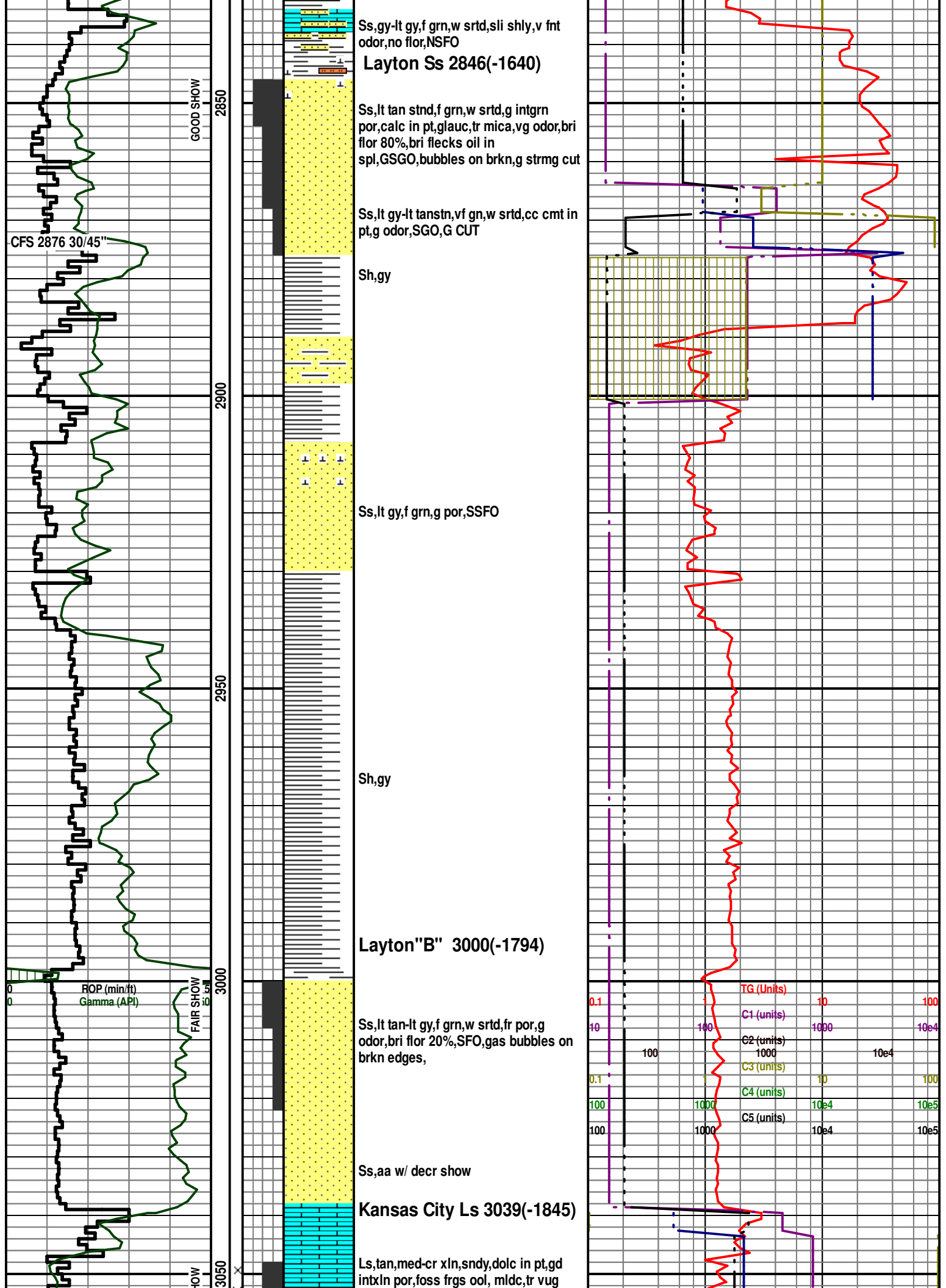
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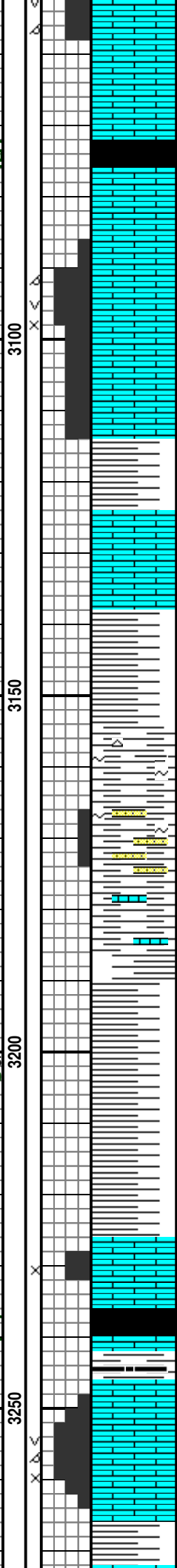
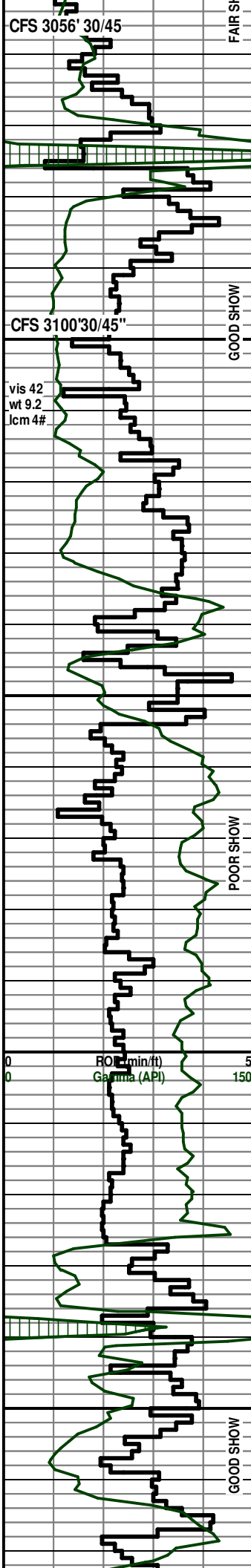
#1 0-265 12 1/4" PDC
 #2 265- 3785' 7 7/8" J2 1721788
 #3 3785'-3892' 7 7/8" J2 F16868

Deviation Surveys:

265' 0*
 734' 1/4*
 1267' 1/2*
 1734' 1/2*
 2423' 3/4*
 3100' 1/2*
 3785' 1*







por, bri sptd flor 30%, FSFO, GD ODOR

Sh, blk, fiss

Ls, gy-lt brn, med-crs xln, gd intxn por, tr moldic and vuglr por, sec calc filled frags, gd odor, bri edge flor 40% abnd bri specks of oil in tray, fr-gd SFO, Gd cut

Ls, aa, decr in xln size, flor, show

Sh, dk gy

Ls, wht-lt gy, f xln, p intxn por, ns

Base Kansas City 3138(-1944)

Sh, vcol

Cleveland Ss 3154(-1960)

Ss, in pt, lt grn gy, vf grn, shly, tite, cht, glauc, abndt f-med grns loose in tray, fluor specks in tray

Ls, lt brn, med xln, dolc in pt, fr intxn por, sctrd fluor

Sh gy-dk gy

Marmaton 3227(-2033)

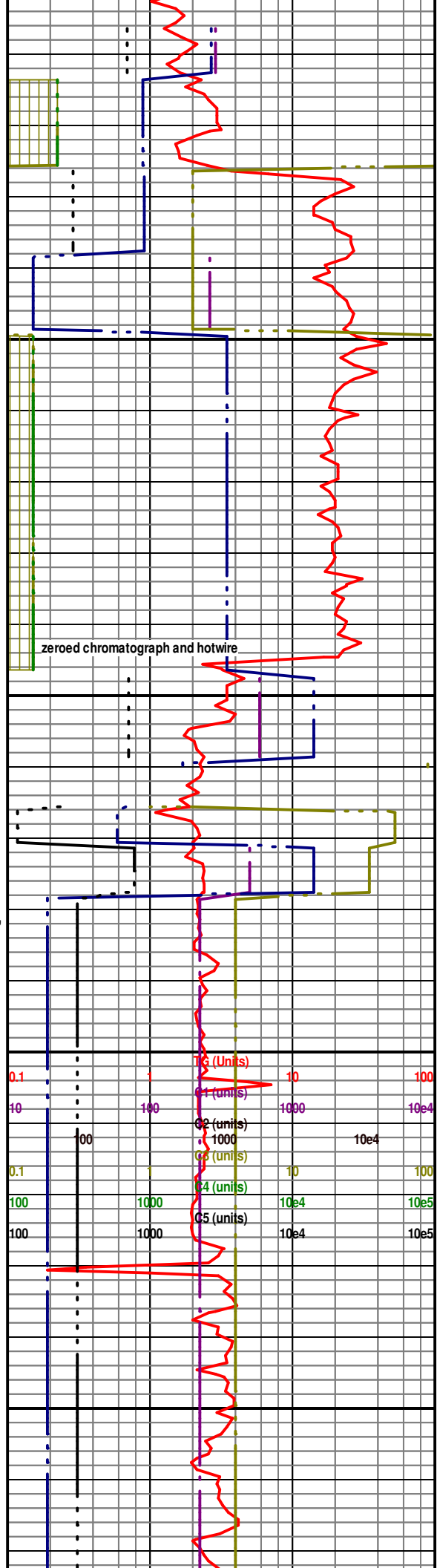
Altamont

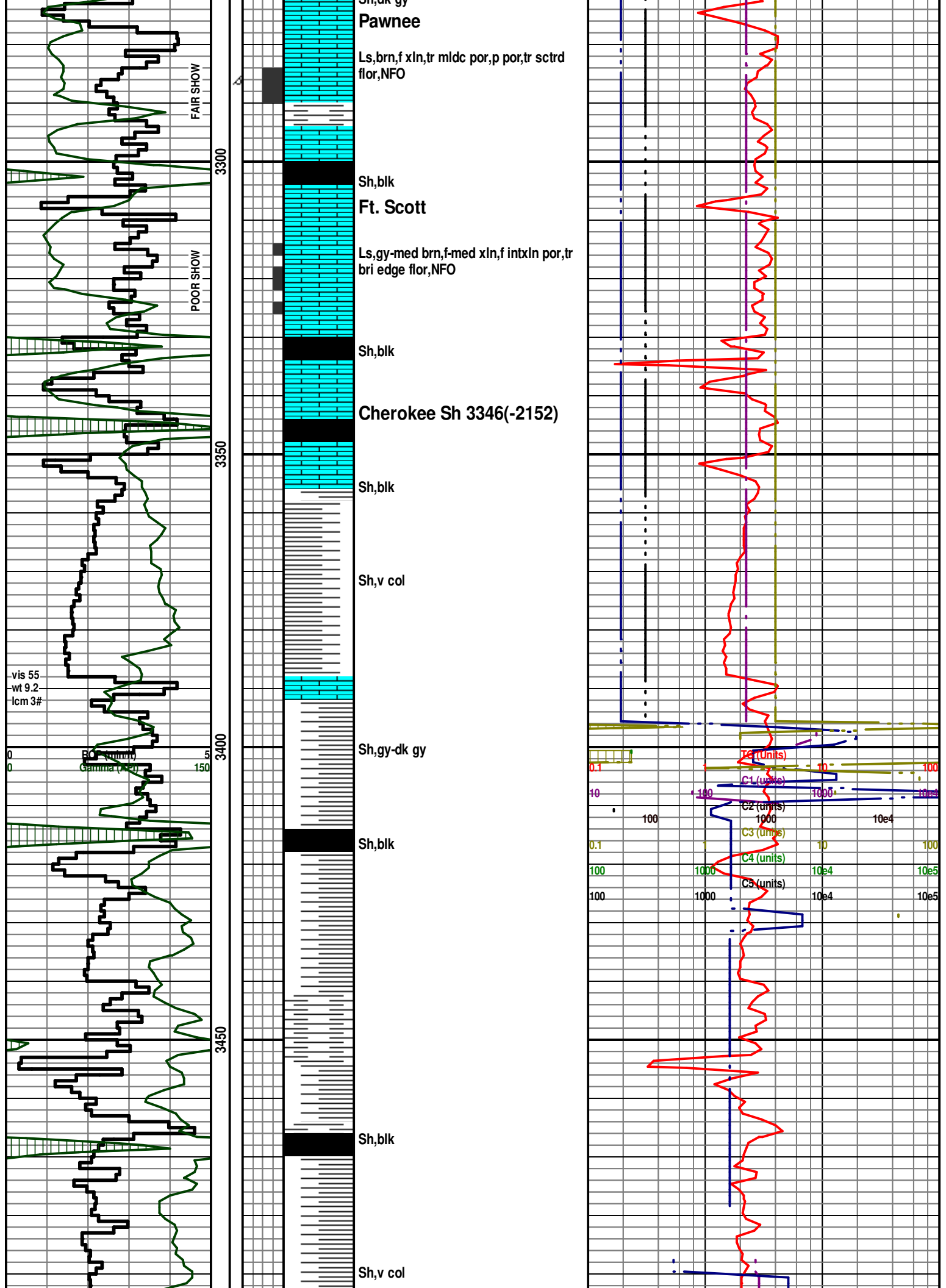
Sh, blk

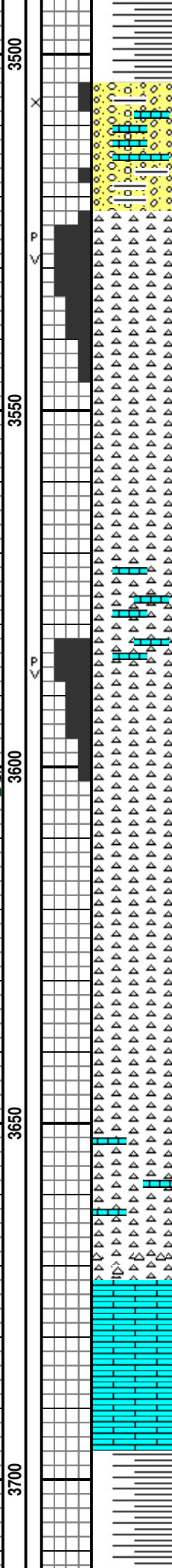
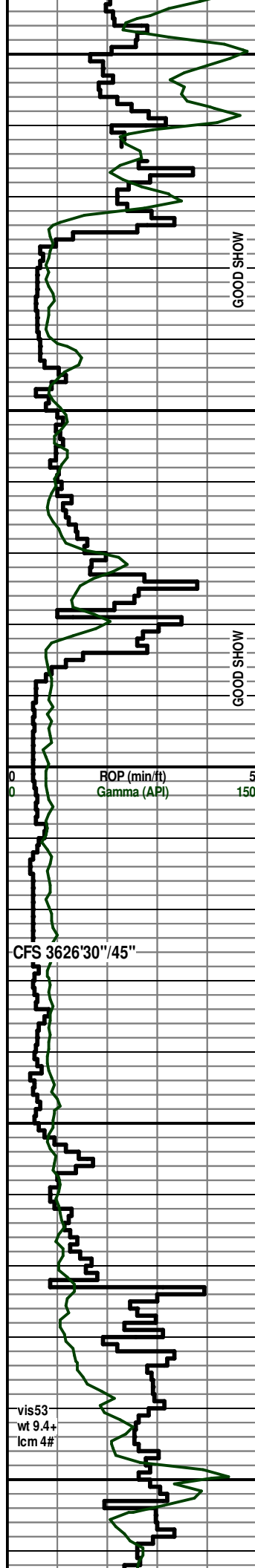
Oswego

Ls, brn, med-cr xln, clr sec calc, foss frag framework, gd intxn por, some mlcdand vuglr por, gd odor, bri even flor 40% smp, SFO, slow cloudlike cut

Sh dk gy







Congl, Ss, lt gy, f grn, clstr wSO, Sh, v col, Ls, lt brn, f xln, NS

Mississippi "Chert" 3522(-2316)

Cht, wht-lt tan, 90% wthrd, g ppt por, g wthrd por, 10% fresh sharp, gd odor, G show oil bldg from rock face, v bri flor 90% smpl, gd strmg cut

Cht, wht-lt tan, gd ppt wthrd por, gd odor, bri flor 25% smple, SFO

Cht, wht, mstly fresh, sharp, Ls, lt brn, f xln, p por, NS

Lower Chert 3553(-2347)

Cht, wht-lt brn stn, 70% wthrd and ppt por, gd odor, SFO, bri flor on wthrd portion, slow cloudy cut

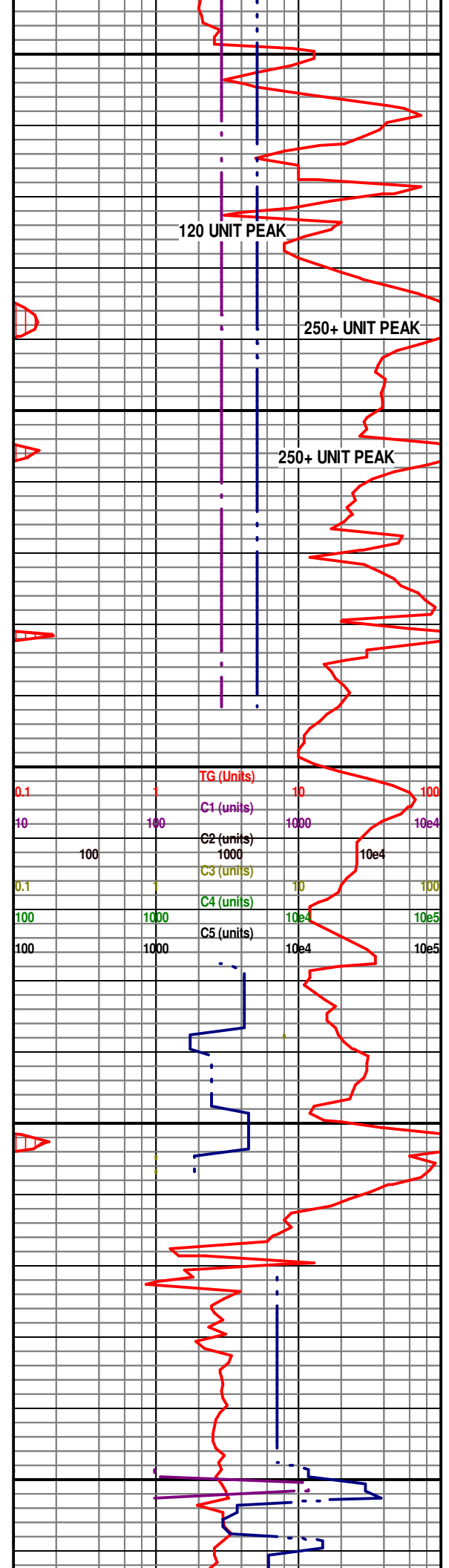
Cht, aa, decr in odor, decr SO

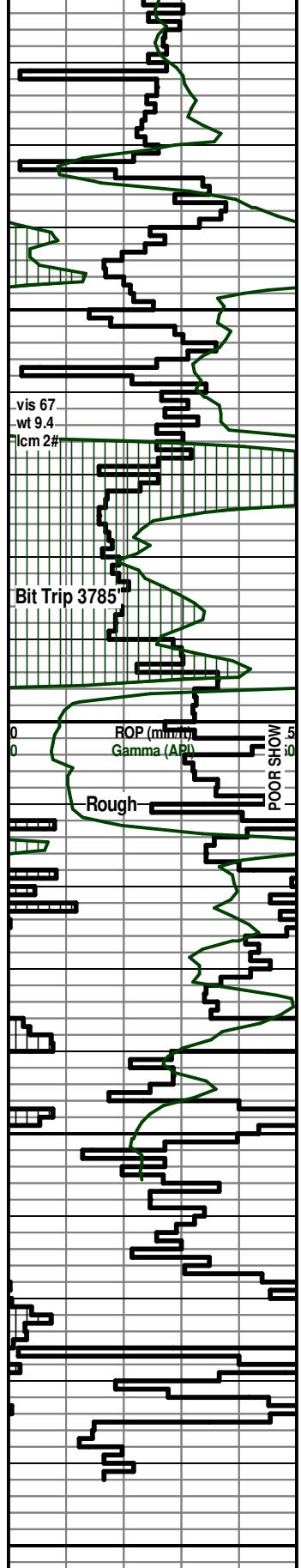
Cht, wht, fresh, sharp, NS

Kinderhook 3672(-2466)

Ls, gy-dk gy, f xln, dns

Sh, gy-bl gy, dolc





3750
3600
3650
3900

Dol,dk gy,med xln,p por,dns

Chattanooga Sh
3736(-2530)

Sh,dk gy-blk

Simpson Group 3796
(-2590)
Ss,clr-wht,lt stn in pt,f-med grn,rnd,mod srt'd,tr f-gd por,mst tite si cmt,tr glauc,fr odor,bri flor on a few pcs,SSFO

Qtz,clr,lg xln

Sh,gy-dk brn
Glauc,

Ss,lt gy,vf grn,shly,ns

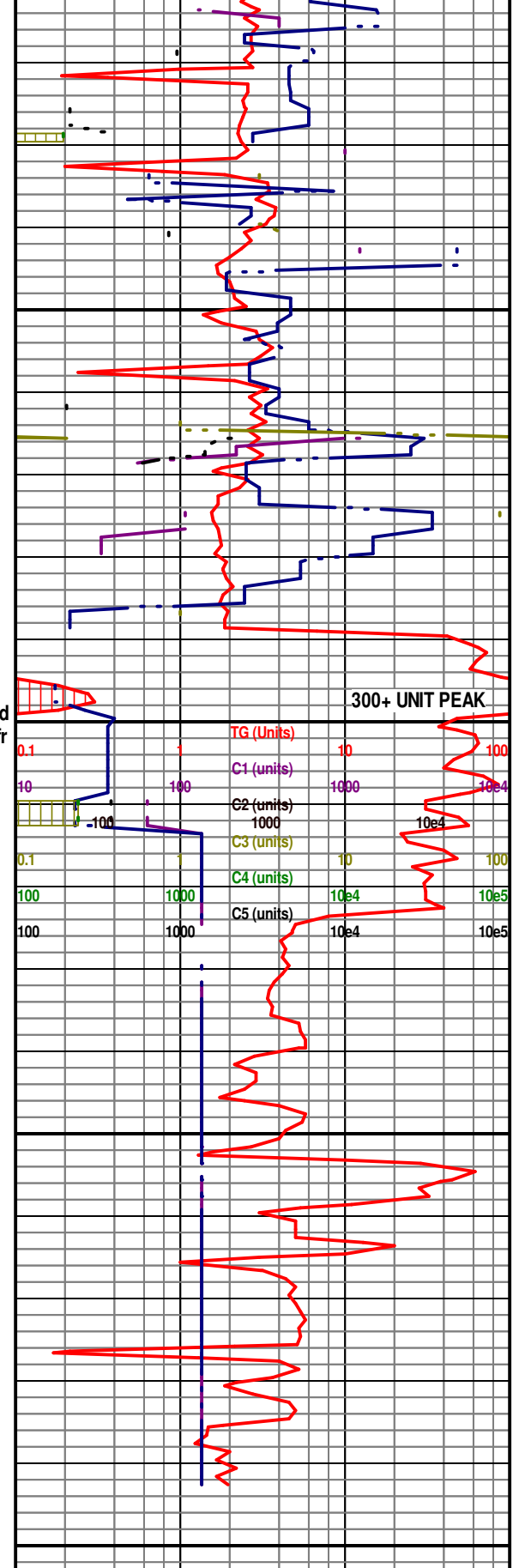
Sh,grn-lt grn gy

Ss,wht,f grn,mst tite,tr stn,no odor,no florNS

Ss,clr,med grn,abnd carb mat,glauc,g por,ns

Arbuckle 3888(-2682)
Dol,brn,med-crs xln,g por,ns

Rotary Total Depth
3892(-2686)



50

2310' FNL & 650' FWL
Approx S/2 SW NW
29-T34S-R2E
Sumner County, Kansas
KB1206'



10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 16541 A

ml-34

1 of 2

DATE _____ TICKET NO. _____

DATE OF JOB 4-19-18 DISTRICT Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:				
CUSTOMER Raney Oil Company		LEASE WOLF		WELL NO. 4		
ADDRESS		COUNTY Sumner		STATE KS		
CITY		STATE		SERVICE CREW MATTAL HANSON Clymer		
AUTHORIZED BY		JOB TYPE: 2-42 5 1/2" Long string				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 4-19-18 AM 2:00
27463	1	LS				ARRIVED AT JOB AM 6:15
73768	.5					START OPERATION AM 10:17
						FINISH OPERATION AM 11:44
						RELEASED 4:20 PM 12:17
						MILES FROM STATION TO WELL 100

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CC111	SALT	lb	1844		922 00
CC113	SYP	lb	301		225 75
CC200	CMT gel	lb	301		75 25
CC201	oil solvent	lb	1602		1,073 34
CC148	C 17	lb	181		3,620 00
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CF120	AUTO FILL FLOAT SHOE	ea	1		300 00
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CF1901	BASKET	ea	3		870 00
CF169	TURBOLIZER	ea	15		6650 00
CC151	MUD PLUGS	gal	500		750 00
CT04	CLAYMAY	gal	4		140 00
E100	P. u. miles	mi	100	.	450 00
E101	heavy eq. miles	mi	200	.	1,500 00
E113	prop + bulk gel	tm	1806	.	3,762 50
CE204	depth charge 3001-4000	lbs	1	.	2,160 00

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

SERVICE REPRESENTATIVE *Mike Mattal* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



ogy services, L.P.

TREATMENT REPORT

for **Raney Oil Company** Lease No. _____ Date **4-19-18**
 se **WOLF** Well # **4**
 Field/Order # **16541** Station **Pratt** Casing **5 1/2** Depth _____ County **Sumner** State **KS**
 Type Job **2-42 5 1/2 Long string** Formation _____ Legal Description **29-34-2**

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size _____	Shots/Ft _____	_____	Acid 325 AA-2	2 cmg	RATE	PRESS	ISIP
Depth 3810.71	Depth 3854.67	From _____	To _____	Pre Pad _____	Max _____			5 Min.
Volume 70.4	Volume 89.6	From _____	To _____	Pad _____	Min _____			10 Min.
Max Press 1500	Max Press _____	From _____	To _____	Frac _____	Avg _____			15 Min.
Well Connection PC	Annulus Vol. _____	From _____	To _____	Flush 89.3	HHP Used _____			Annulus Pressure
Plug Depth 3816.51	Packer Depth 3840	From _____	To _____	Gas Volume _____				Total Load

Customer Representative **JASON BRUNS** Station Manager **WESTERN** Treater **MATT**
 Service Units **83353** **27463** **19903** **73768**
 Driver Names **MATT** **HANSON** **CLYMER**

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
6:15					6:15 on location / safety meeting
6:30					Run 5 1/2" 17th casing / STARTS ON 1, 18, 25
					TUBES 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 26, 28, 31
					LTD 3890 RTD 3892
9:15					CSNG ON BOTTOM / hook to CSNG
9:15					BREAK circ w. RIG
10:17			7.5		Plug RAT + mouse holes
10:25	300		12	5	Pump 12 bbl mud flush
10:30	300		5	5	Pump 5 bbl water
10:34	200		76.4	4	MIX 275 SUS AA-2
10:51	-		4	4	WASH Pump + Line / DIOP Plug
10:54	200			5-7	START 2% KCl DISPLACEMENT
11:04	300		50	5.4	LIFT Pressure
11:10	800		80	3	SLOW RATE
11:14	150				Plug DOWN / released + hold
					CIRCULATION thru JOB
					JOB COMPLETE
					THANK YOU!
					M, Ue MATT
					JOSH + MICHAEL

Cement Callsheet



Company	Raney Oil Company		Service Point	Pratt, KS	
Well Type	New	CONTRACTOR	Contact Person	Justin Westerman	620-672-1201
LEASE	Wolf	Duke #2	COUNTY	Sumner	STATE KS
		WELL # 4	SEC 29	TWP 34	RANGE 2

DIRECTIONS:

South Haven, Kansas - East to Rock Road, 1/2 North, East Into

Job Type	3950' Production Casing	Casing Size	5 1/2	Thread	8 rd	Weight	17
Equipment	plug rat & mouse holes 1st	Tubing/Drill Pipe Size		Thread		Weight	
		Hole Size	7 7/8	Packer		Bridge Plug	
Remarks:	2% KCL for 1st 50 bbl of displacement	Plug Container	Yes	Casing Swivel		Squeeze Manifold	No

5 1/2" Production Casing

CEMENT DATA

LEAD 1	Weight PPG	Type	Additives	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	
TAIL 1	Weight PPG	Type	Additives	
CP105	14.56	AA2 Cement	6% gypsum + 10% salt + 1% gel 0.6% fluid loss + 0.5% defoamer	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	0.3% friction reducer + 5 pps gilsonite
275	35%	1.56	6.91	
LEAD 2	Weight PPG	Type	Additives	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	
TAIL 2	Weight PPG	Type	Additives	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	
Rat Hole	Weight PPG	Type	Additives	
CP105	14.56	AA2 Cement	6% gypsum + 10% salt + 1% gel 0.6% fluid loss + 0.5% defoamer	
Sacks	Excess	Yield Ft ³ /sk	Water Gal/sk	0.3% friction reducer + 5 pps gilsonite
50		1.56	6.91	

Float Equipment

Part #	Quantity	Description	# Used	# Returned
CF1251	1	Auto Fill Float Shoe 5 1/2" (Blue)		
CF607	1	Latch Down Plug & Baffle, 5 1/2" (Blue)		
CF1901	3	5 1/2" Basket (Blue)		
CF1651	15	Turbolizer, 5 1/2" (Blue)		

Misc. Chemicals

Part #	Quantity	Description	# Used	# Returned
CC151	500	Mud Flush		
C704	4	Claymax KCL Substitute		

Ordered By	Jason Bruns	Phone 620-440-0170	Fax	Date of Job	04/19/18
Call Taken By	Scotty	Phone 620-770-1468	Email	Time Ready	6:30 PM
Operator or Driver Called	Dion Vasquez - pusher cell: 620-793-0840			Call Out Time	



DUAL INDUCTION LOG

Company RANEY OIL COMPANY, LLC
 Well WOLF NO.4
 Field ASHTON SE
 County SUMNER
 State KANSAS

Company RANEY OIL COMPANY, LLC
 Well WOLF NO.4
 Field ASHTON SE
 County SUMNER State KANSAS

Location: API #: 15-191-22801-00-00
 2310' FNL & 650' FWL
 SEC 29 TWP 34S RGE 2E
 Permanent Datum GROUND LEVEL Elevation 1198'
 Log Measured From KELLY BUSHING
 Drilling Measured From KELLY BUSHING
 Other Services
 CNL/CDL
 MEL
 Elevation
 K.B. 1206'
 D.F. N/A
 G.L. 1198'

Date	4/19/2018
Run Number	ONE
Depth Driller	3892'
Depth Logger	3890'
Bottom Logged Interval	3889'
Top Log Interval	250'
Casing Driller	8.625" @ 265'
Casing Logger	263'
Bit Size	7.875"
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	2000
Density / Viscosity	9.4 53
pH / Fluid Loss	10.5 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.90 @ 63
Rmt @ Meas. Temp	.68 @ 63
Rmc @ Meas. Temp	1.22 @ 63
Source of Rmf / Rmc	CHARTS
Rm @ BHT	.49 @ 115
Operating Rig Time	2 HOURS
Max Rec. Temp. F	115 DEGF
Equipment Number	108
Location	HAYS
Recorded By	J. HENRICKSON
Witnessed By	DAN JOHNSON

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
 SOUTH HAVEN EXIT
 EAST TO ASHTON ROAD, 1 NORTH, EAST INTO

Log Measured From: KELLY BUSHING 8 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

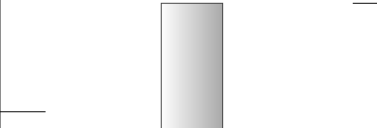
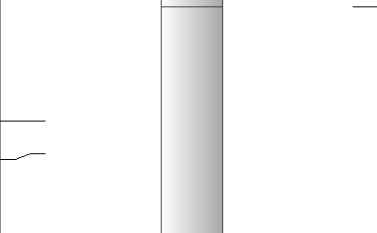
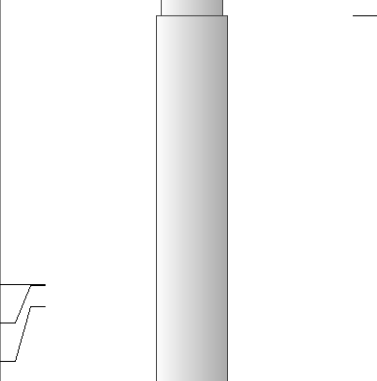
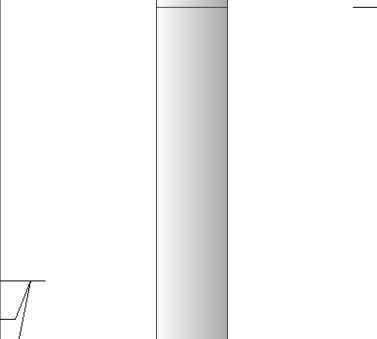
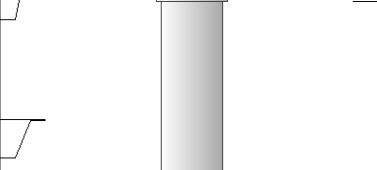
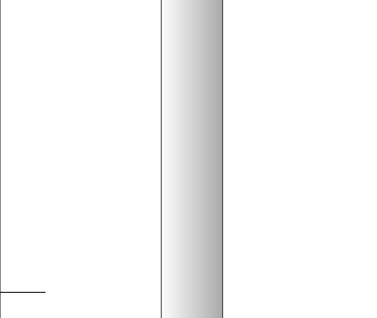
Your Pioneer Energy Services Crew Engineer: J. HENRICKSON Operator: Operator: Operator:	This Log Record Was Witnessed By Primary Witness: DAN JOHNSON Secondary Witness: Secondary Witness: Secondary Witness:
---	--

Log Variables

DatabaseC:\ProgramData\Warrior\Data\raney_wolf_4.db
 Dataset field/well/stackml/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	115	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	2	-210	51	Off	3890

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93		CDL-M&W (168-986)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83		ML-PSI STKBL ML (PSI-02) Stackable Microlog Tools	7.58	4.00	65.00
RLL3 RLL3F	15.80 15.79					
CILD	8.00		DIL-M&W (PSI 978)	18.50	3.50	220.00

CILM 4.70

SP 0.20

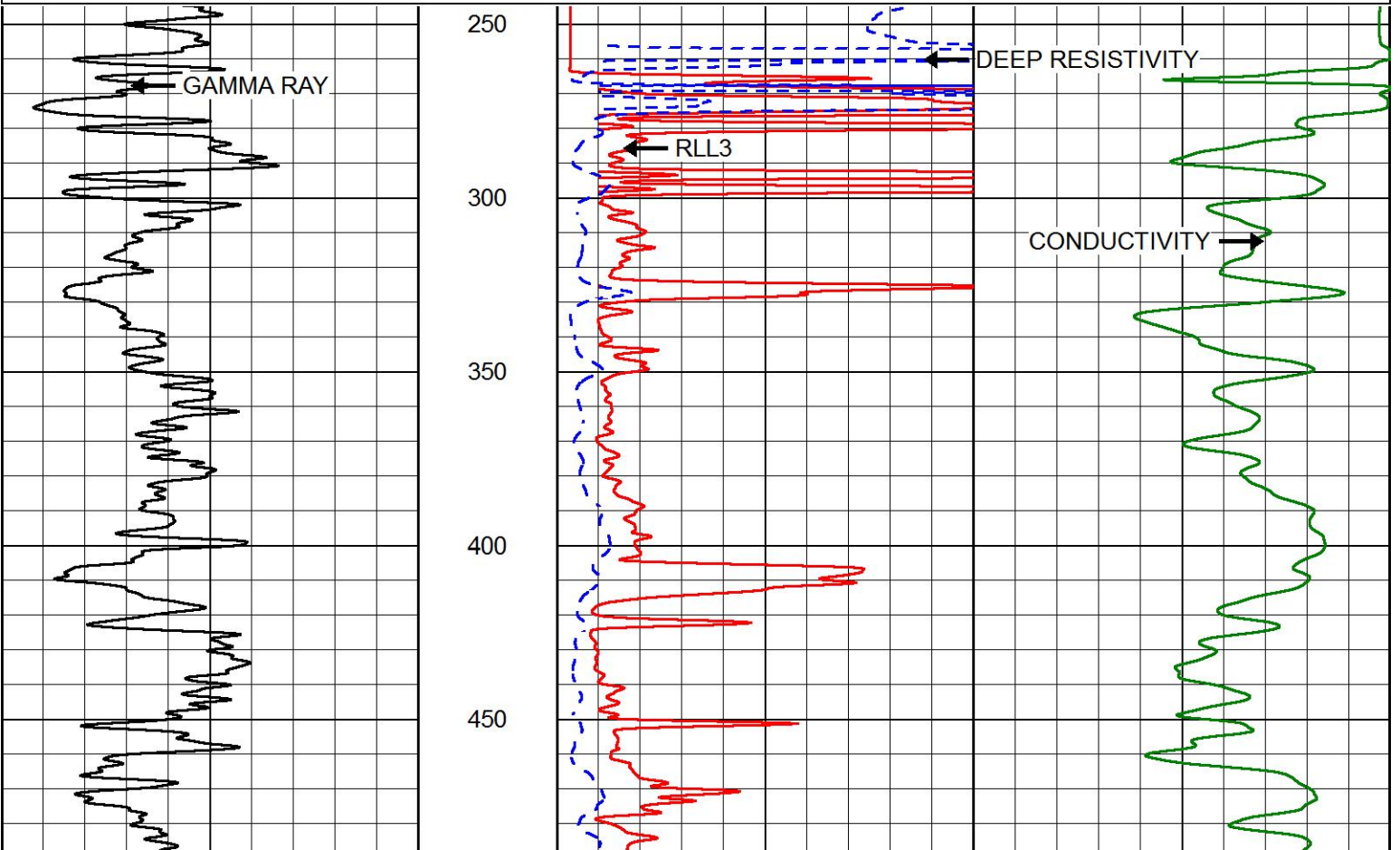
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 Total length: 43.08 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in

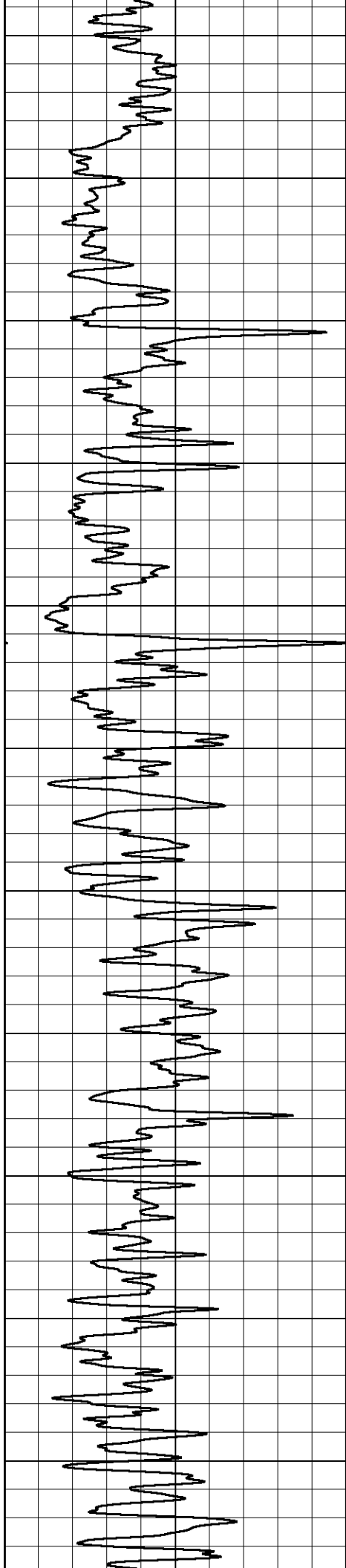


MAIN PASS

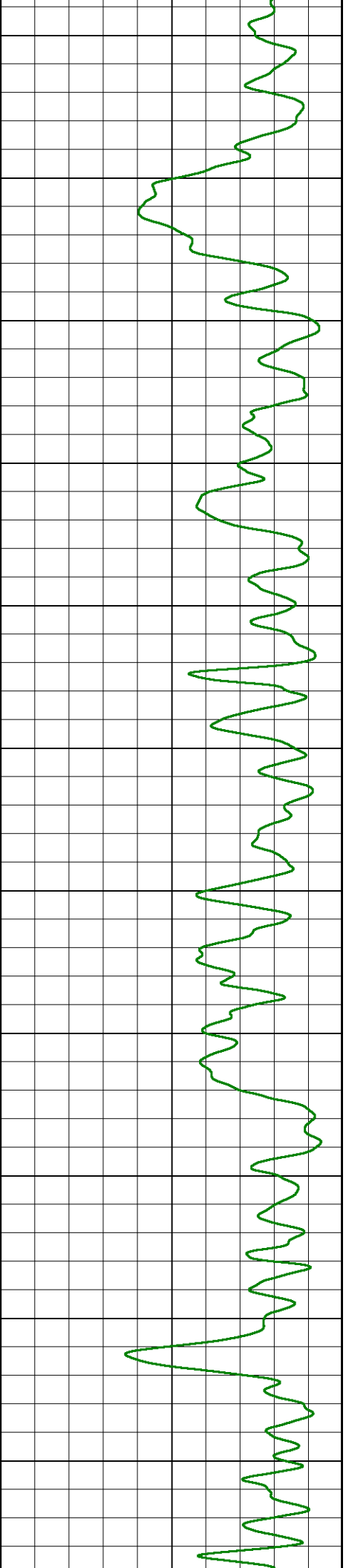
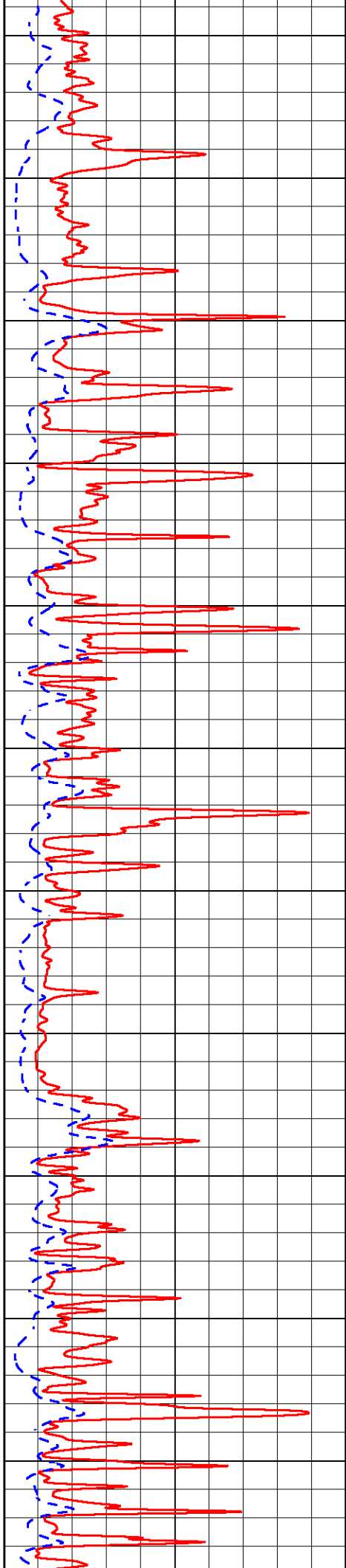
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 Dataset Pathname stackml/pass3.1
 Presentation Format dil2in
 Dataset Creation Thu Apr 19 10:59:30 2018
 Charted by Depth in Feet scaled 1:600

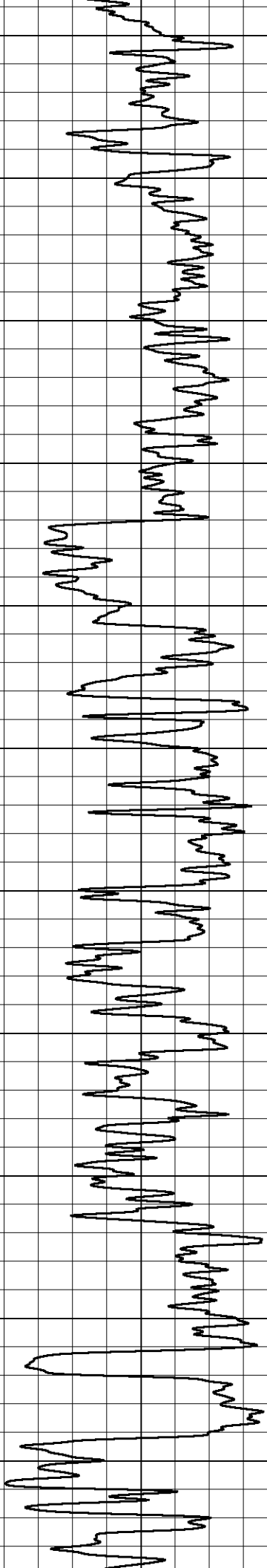
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			0	RLL3 (Ohm-m)	50
			0	DEEP RESISTIVITY (Ohm-m)	50
			50	RLL3 (Ohm-m)	500
				DEEP RESISTIVITY	
			50	(Ohm-m)	500





500
550
600
650
700
750
800
850
900
950
1000





1050

1100

1150

1200

1250

1300

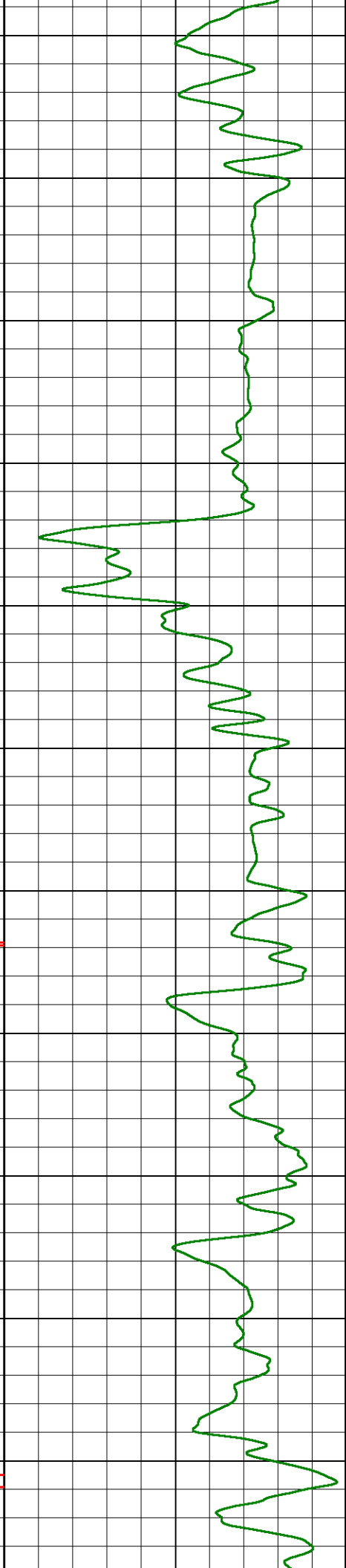
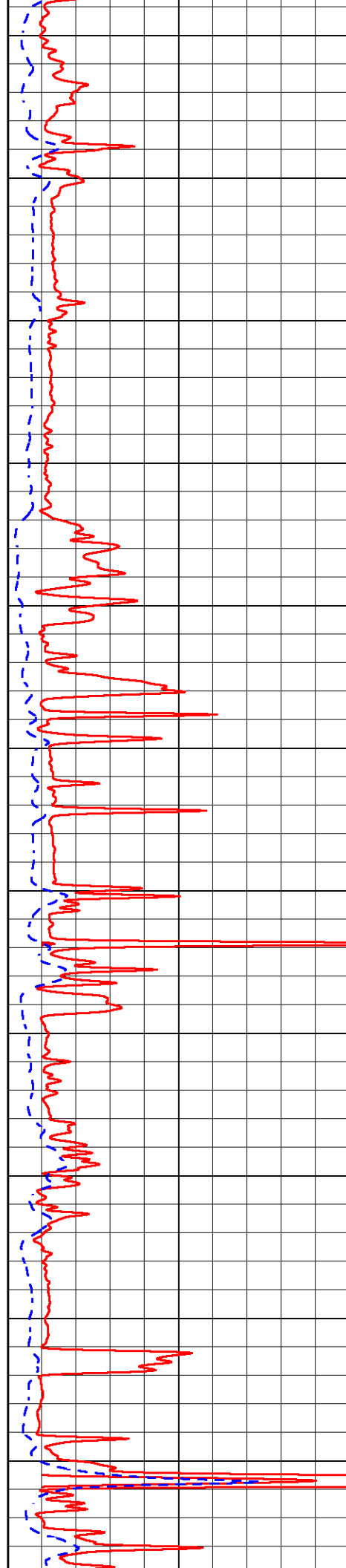
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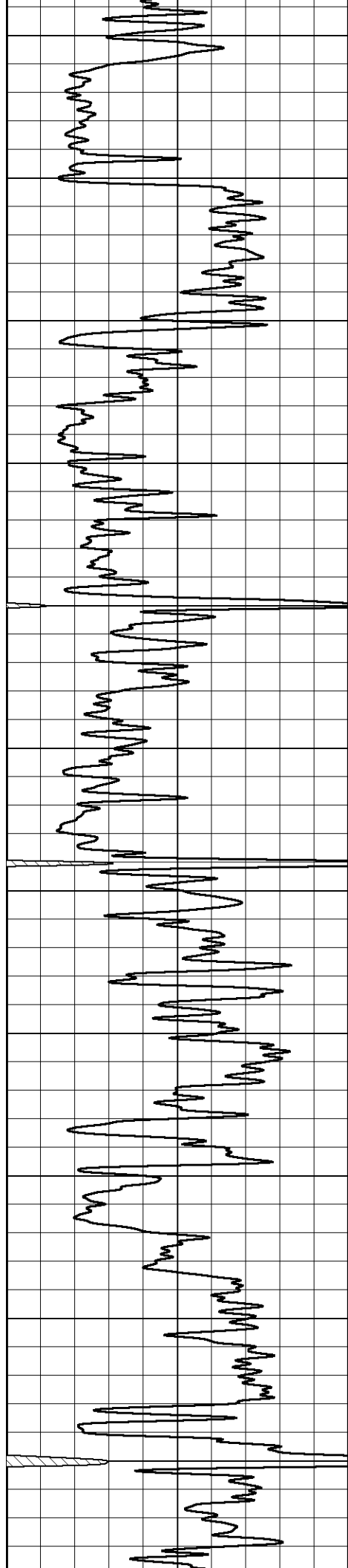
1400

1450

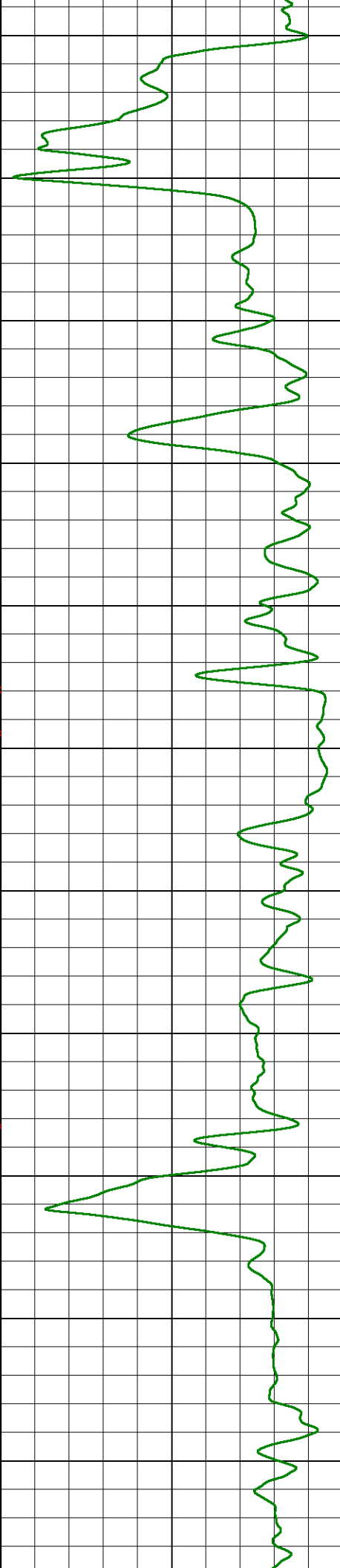
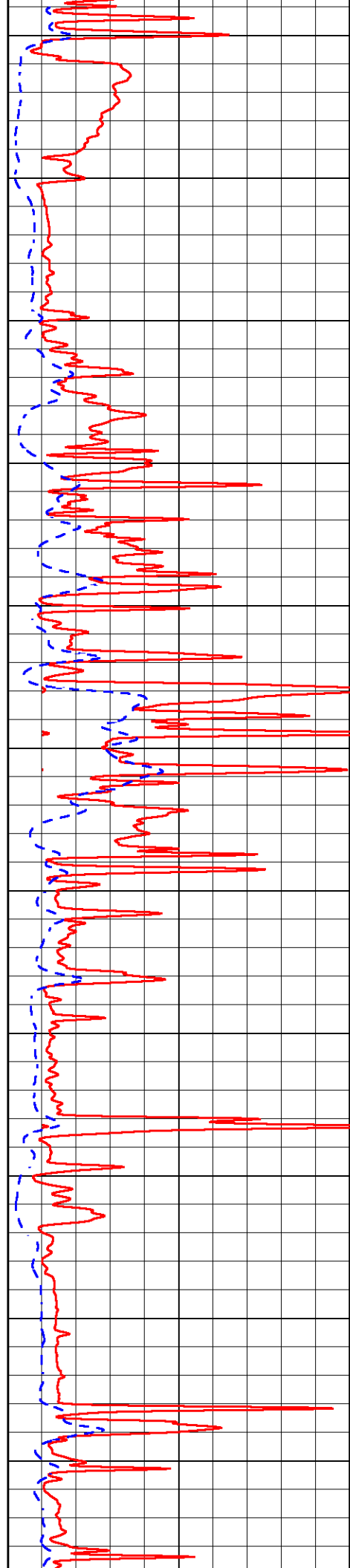
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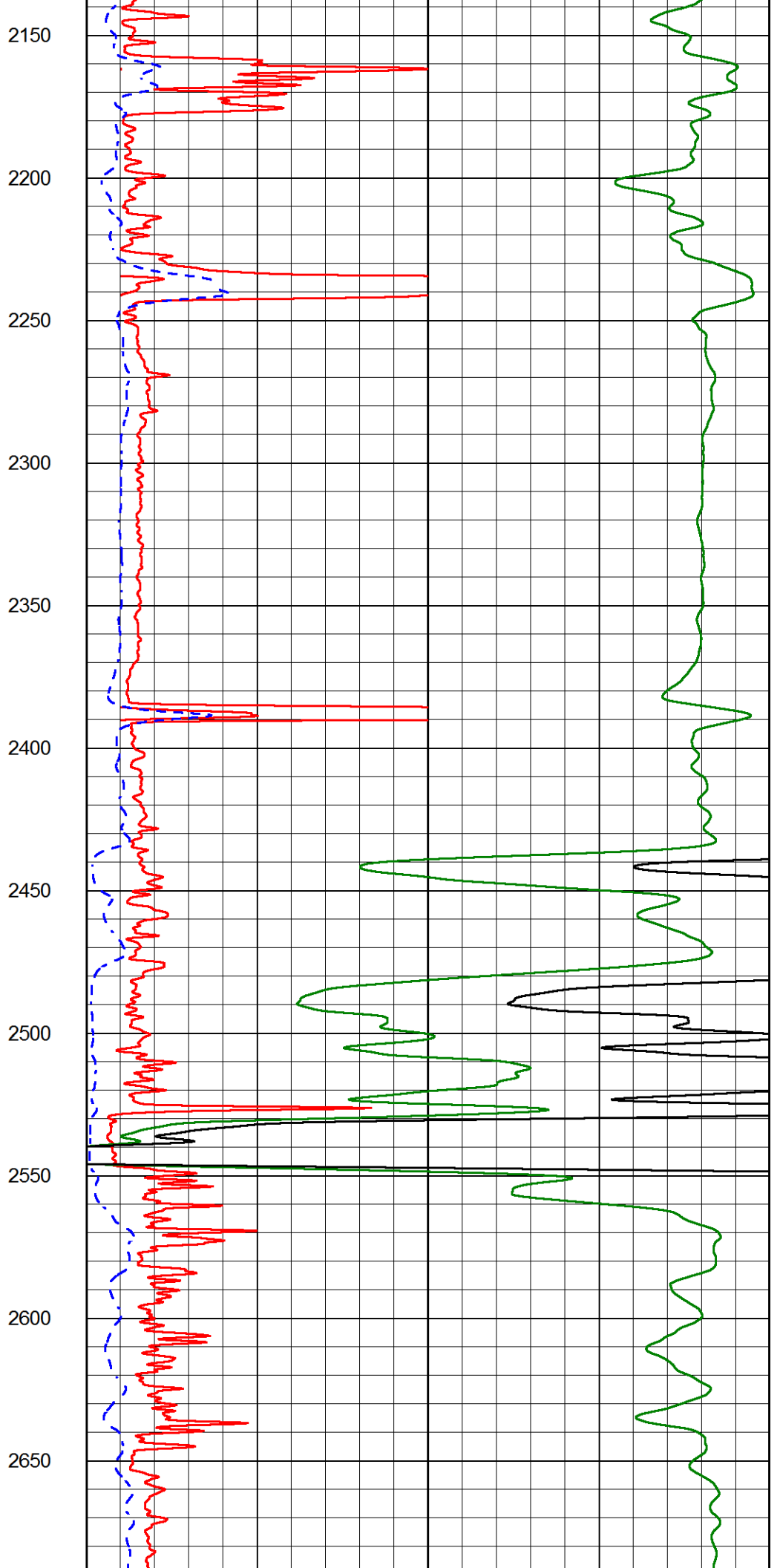
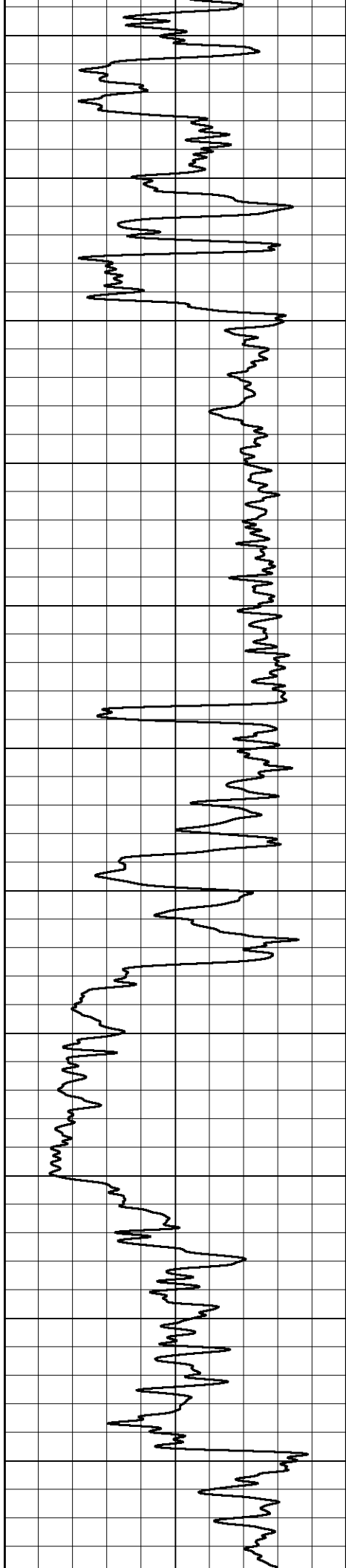
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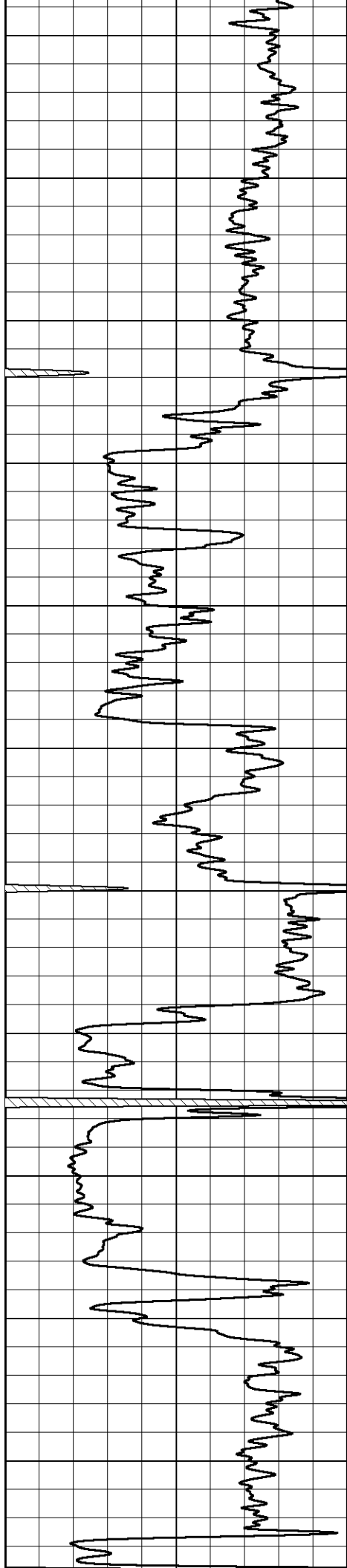




1600
1650
1700
1750
1800
1850
1900
1950
2000
2050
2100







2700

2750

2800

2850

2900

2950

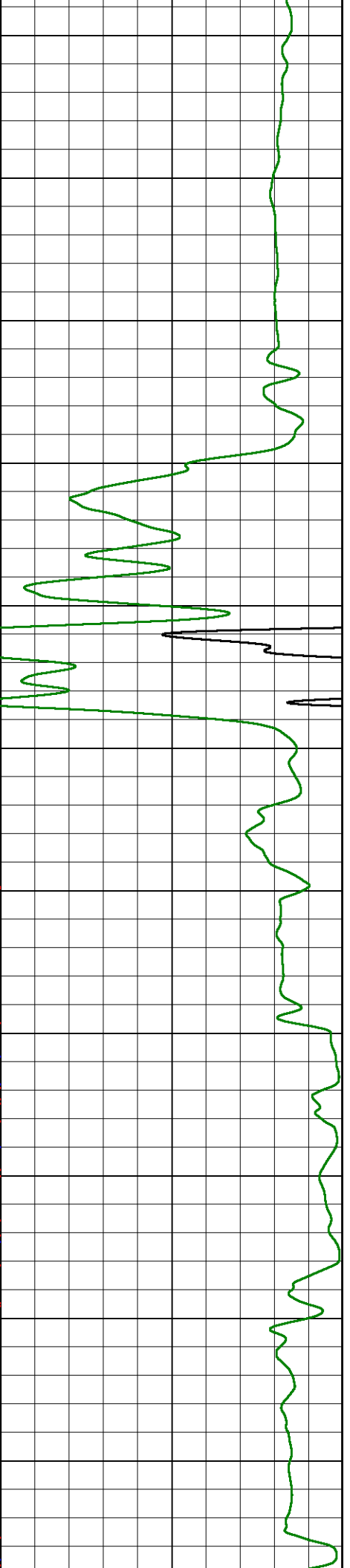
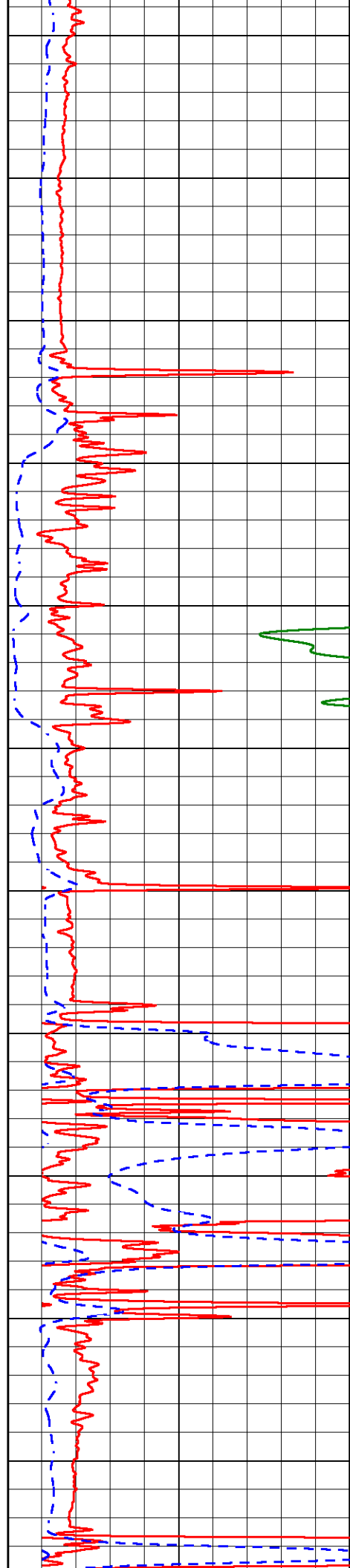
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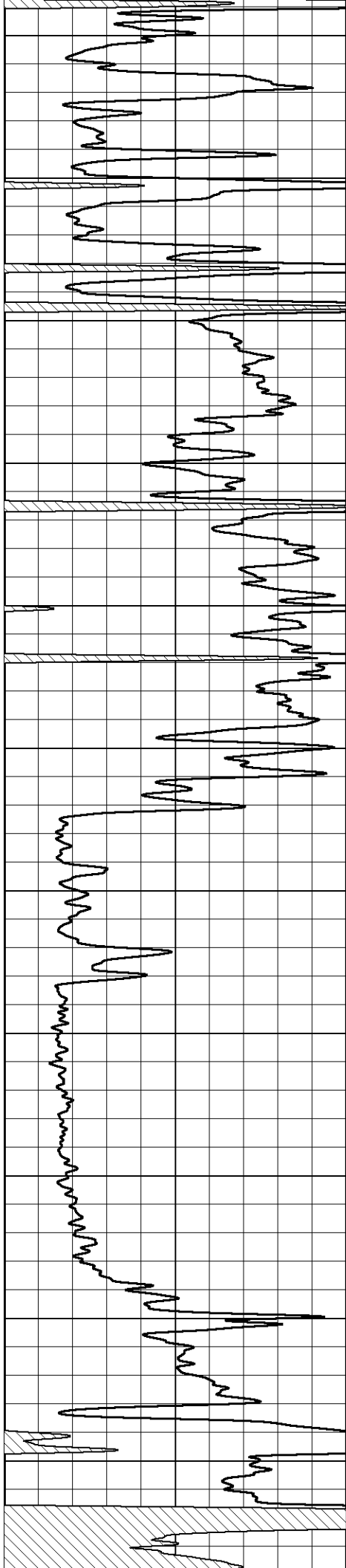
3050

3100

3150

3200





3250

3300

3350

3400

3450

3500

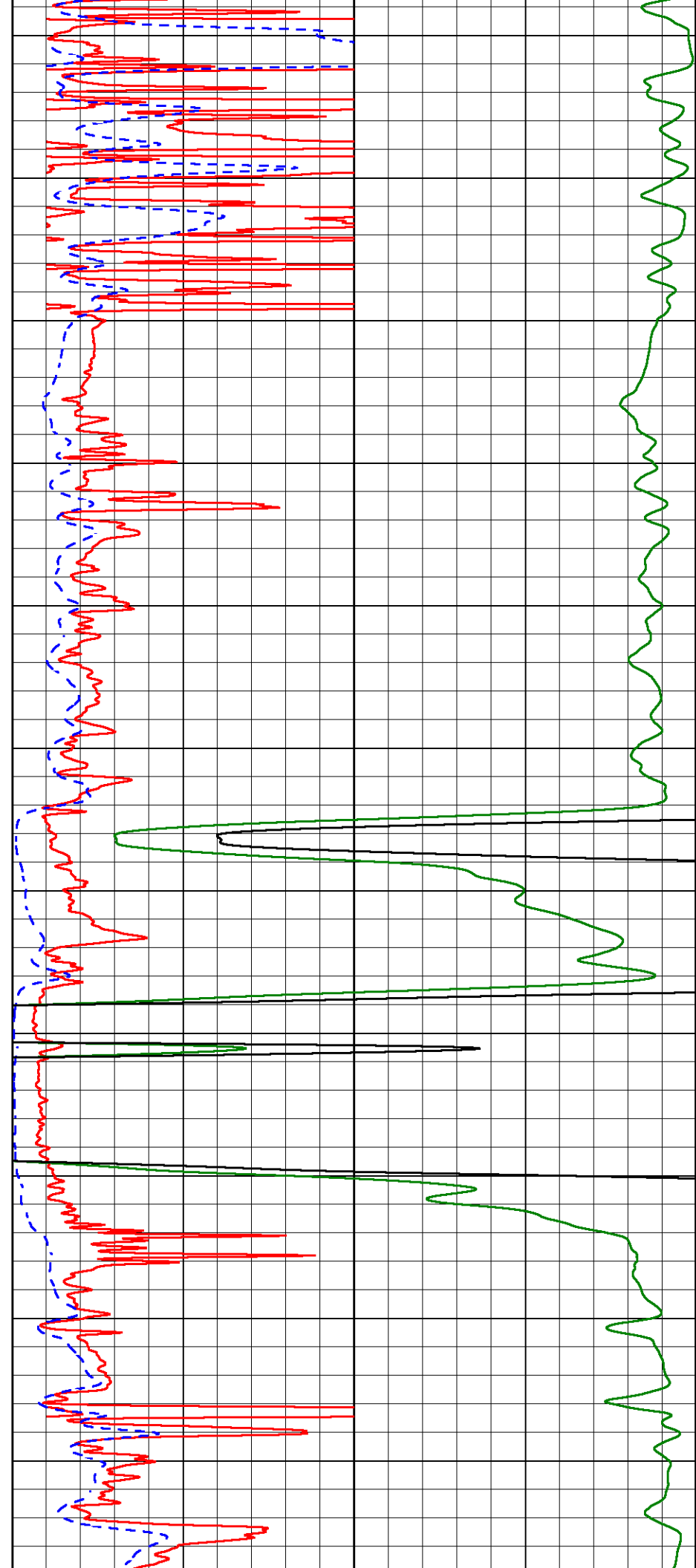
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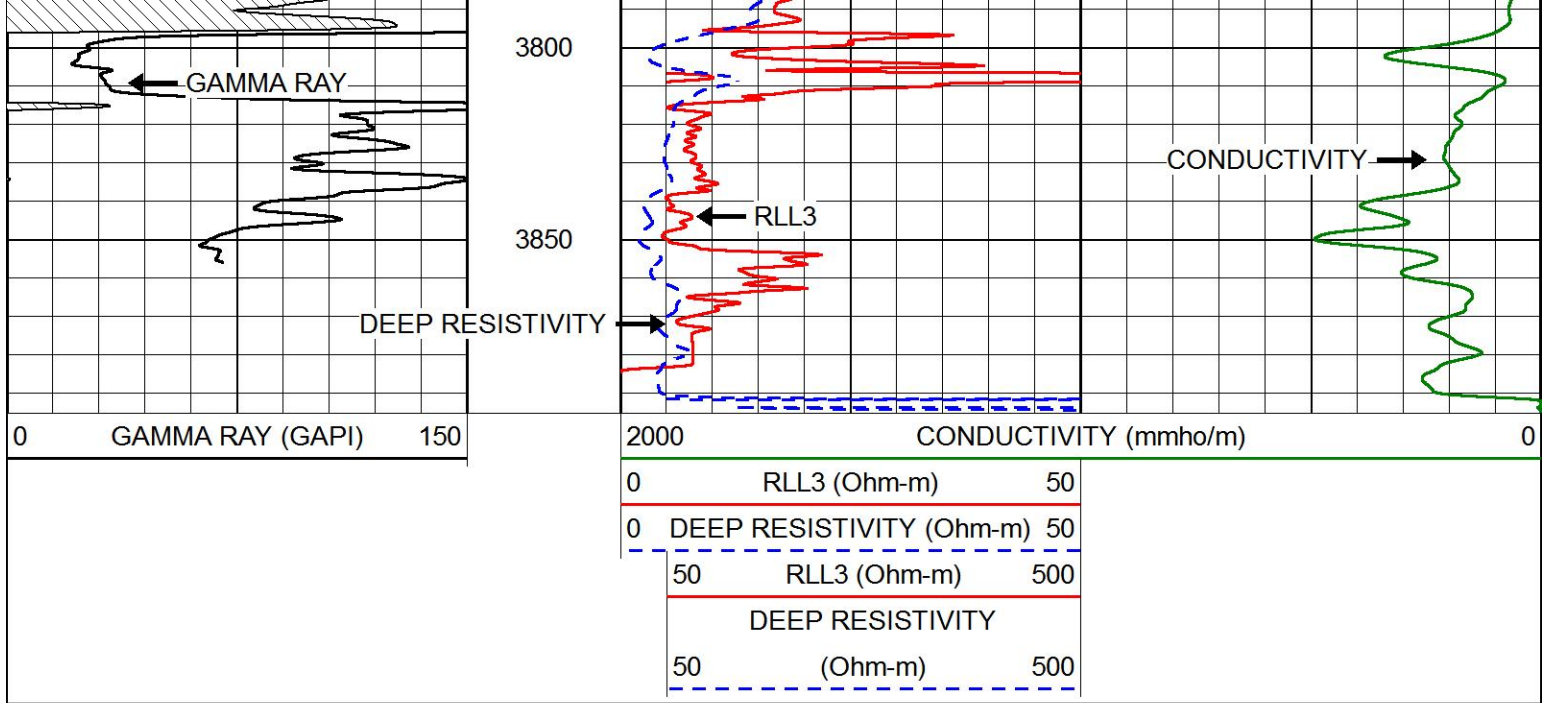
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3650

3700

3750

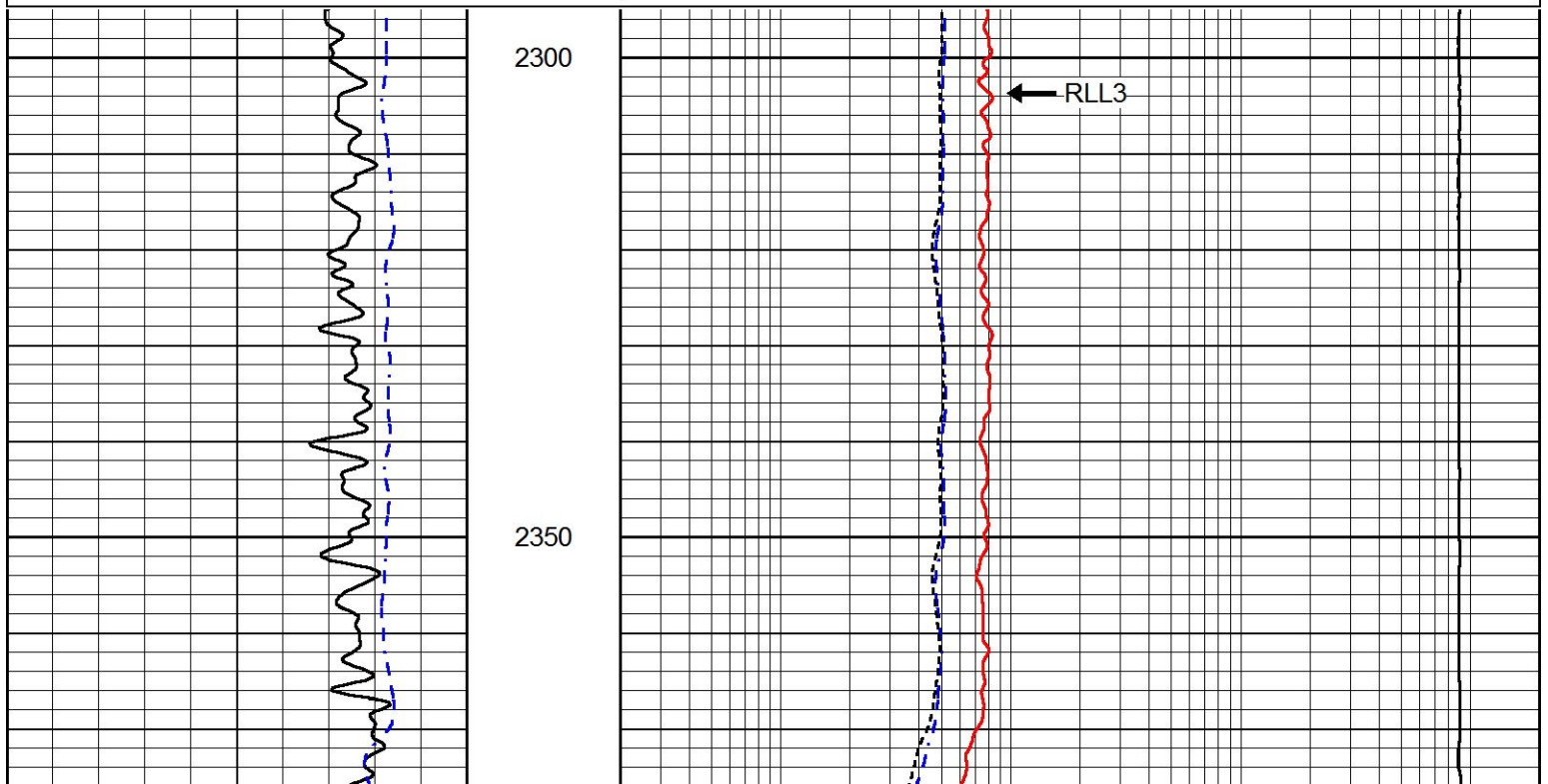


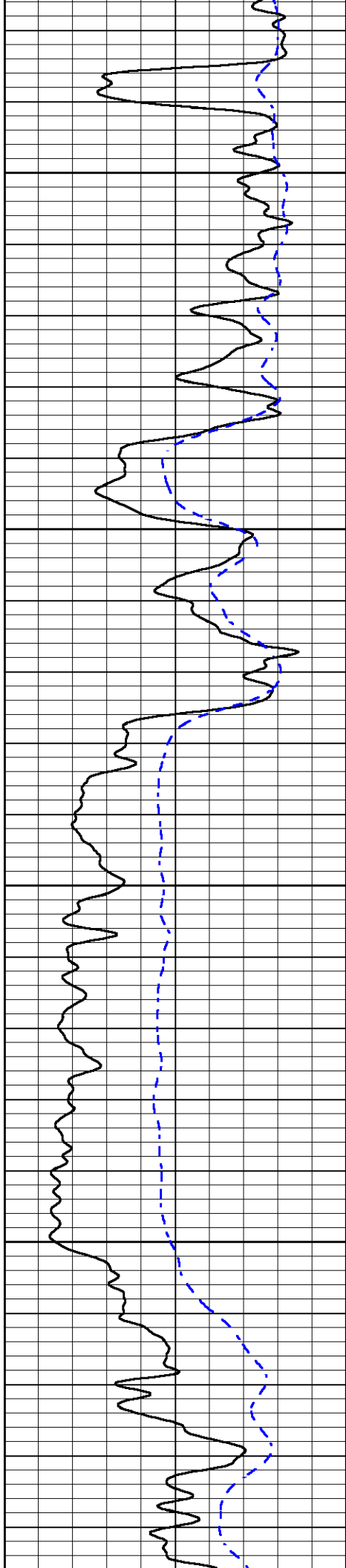


MAIN PASS

Database File raney_wolf_4.db
 Dataset Pathname stackml/pass3.1
 Presentation Format dil
 Dataset Creation Thu Apr 19 10:59:30 2018
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	DEEP RESISTIVITY (Ohm-m)	2000
-200	SP (mV)	0	0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000
			15000	LINE TENSION (lb)	0



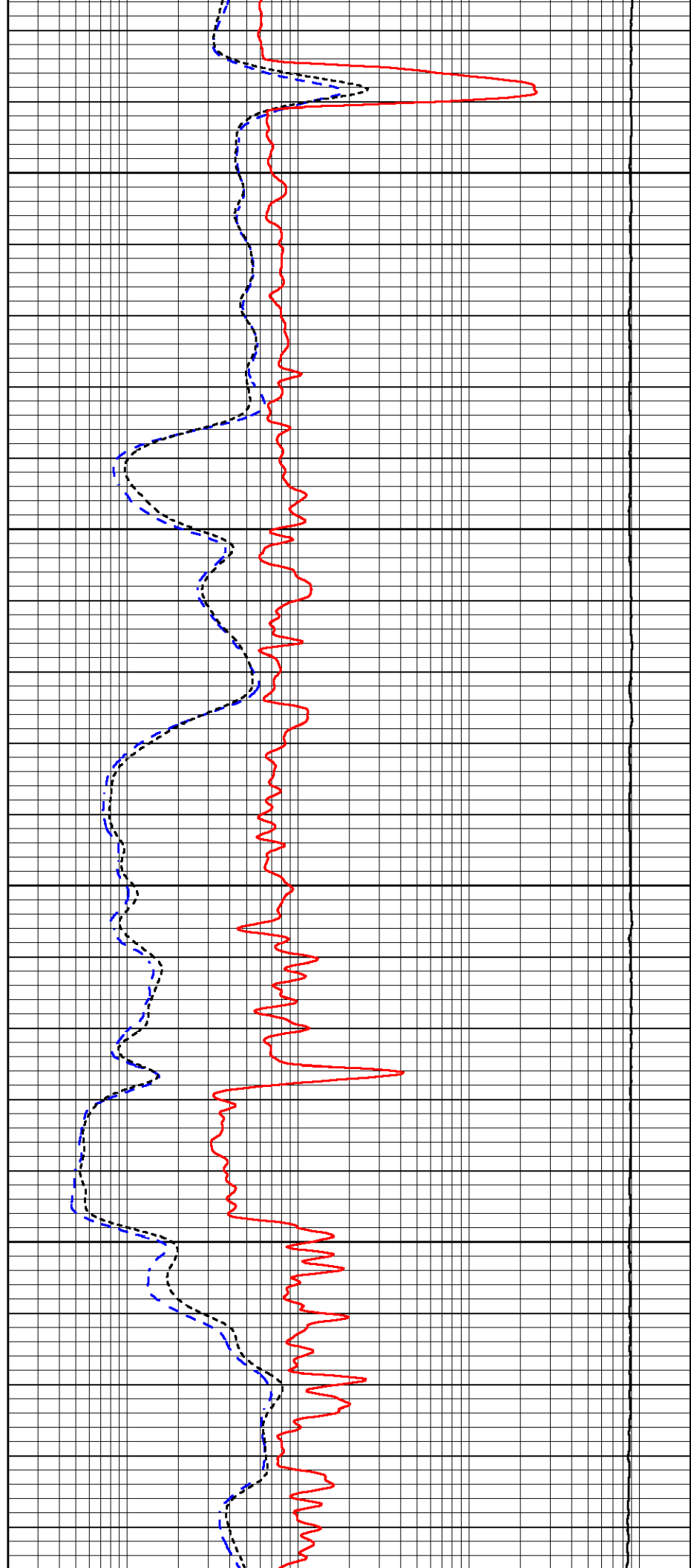


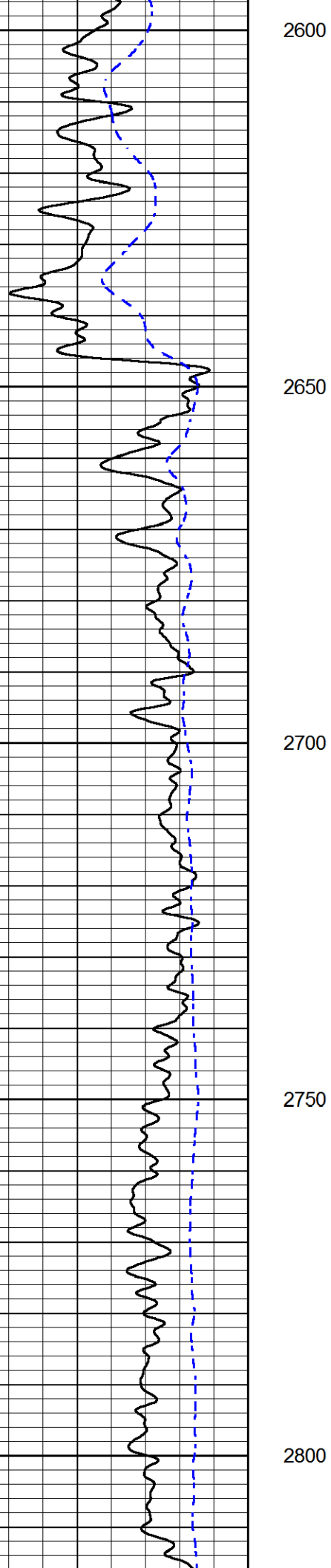
2400

2450

2500

2550





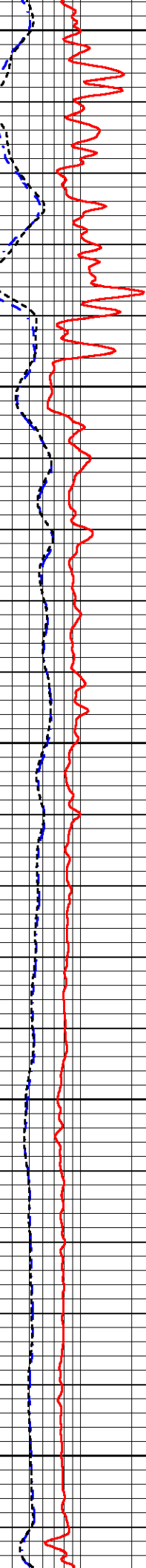
2600

2650

2700

2750

2800



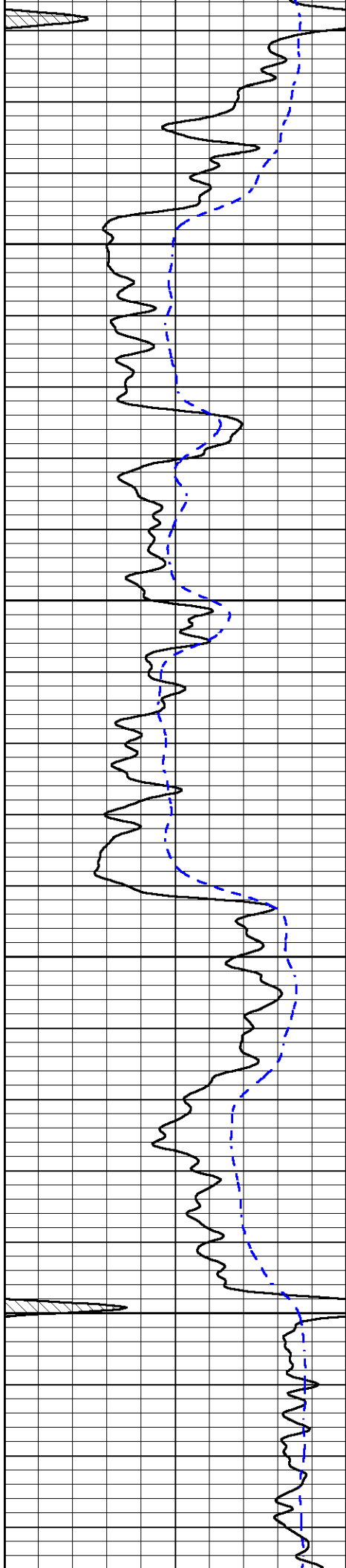
2600

2650

2700

2750

2800

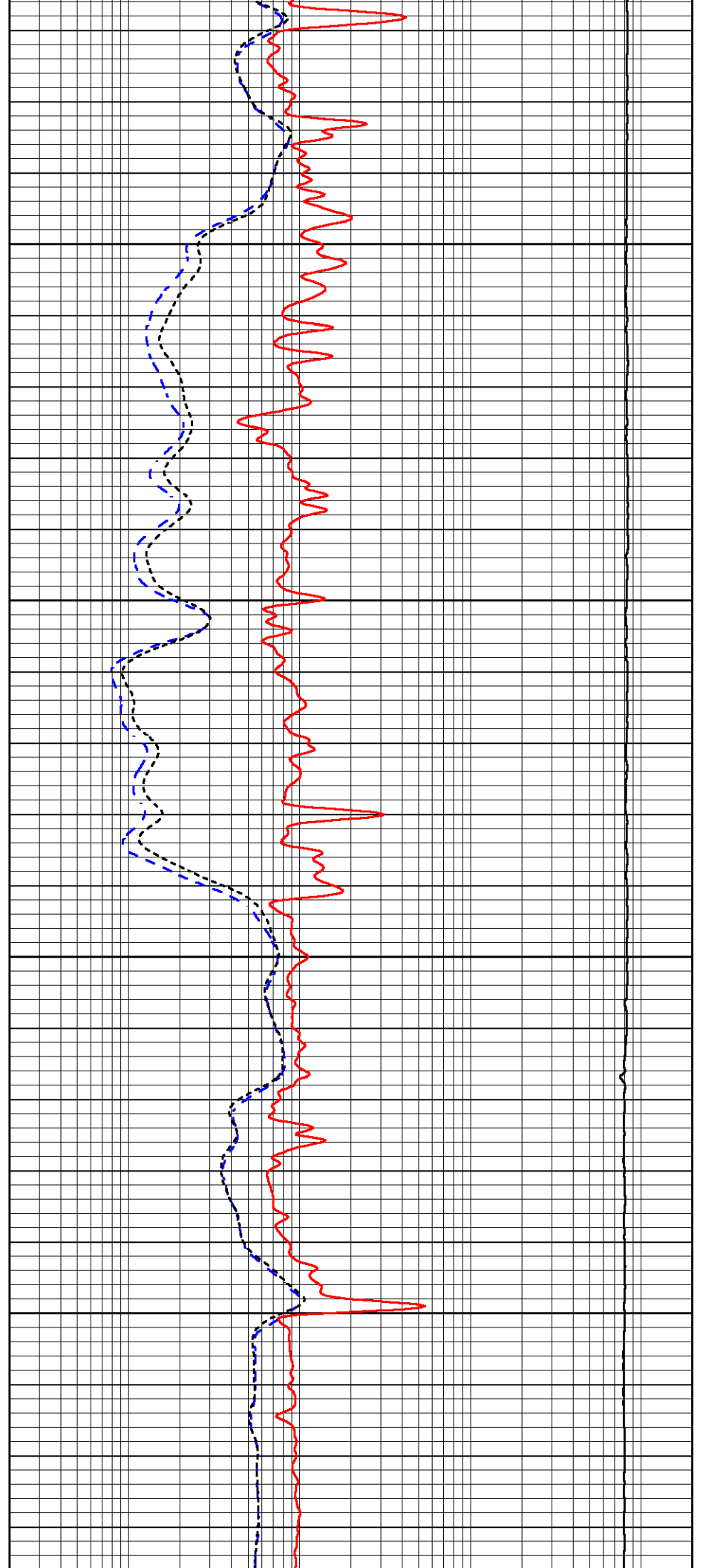


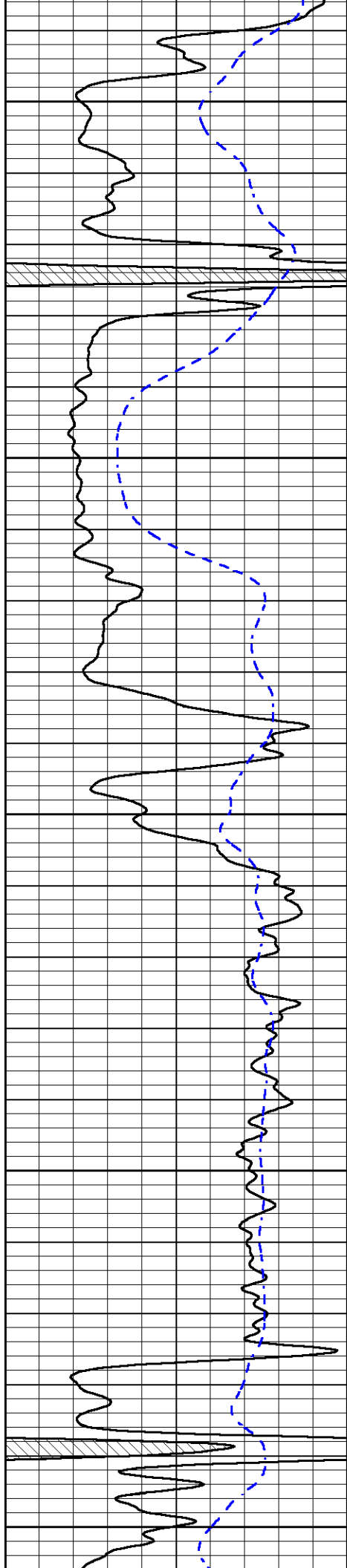
2850

2900

2950

3000





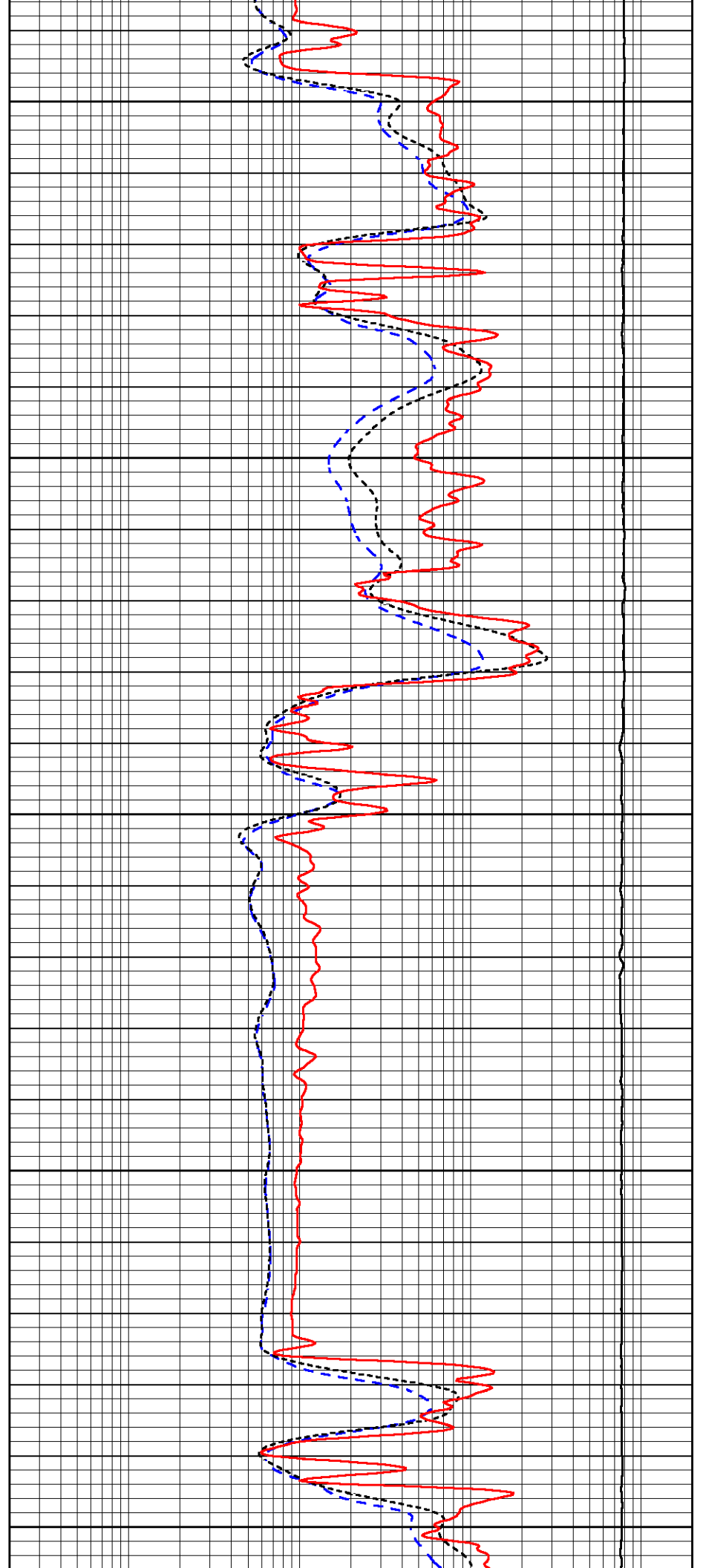
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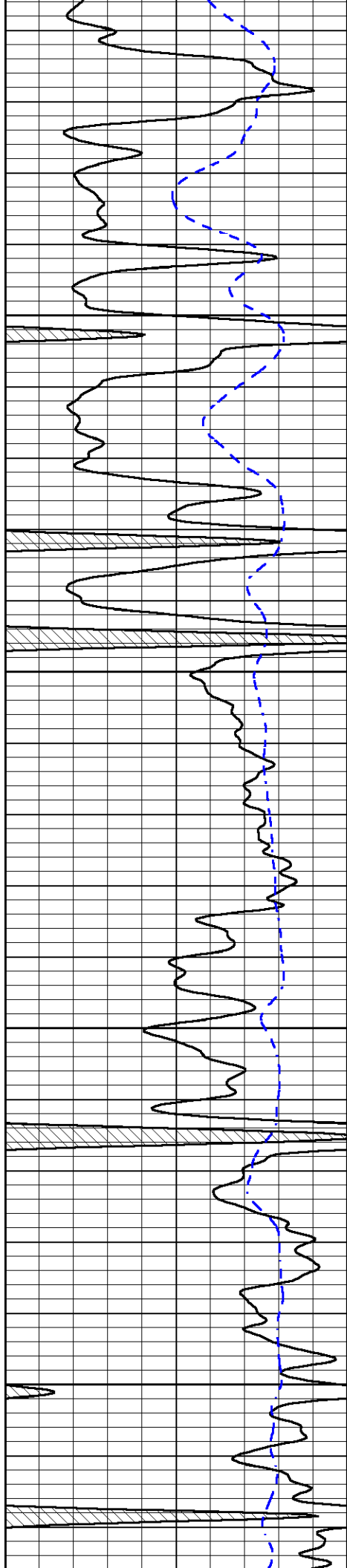
3100

3150

3200

3250



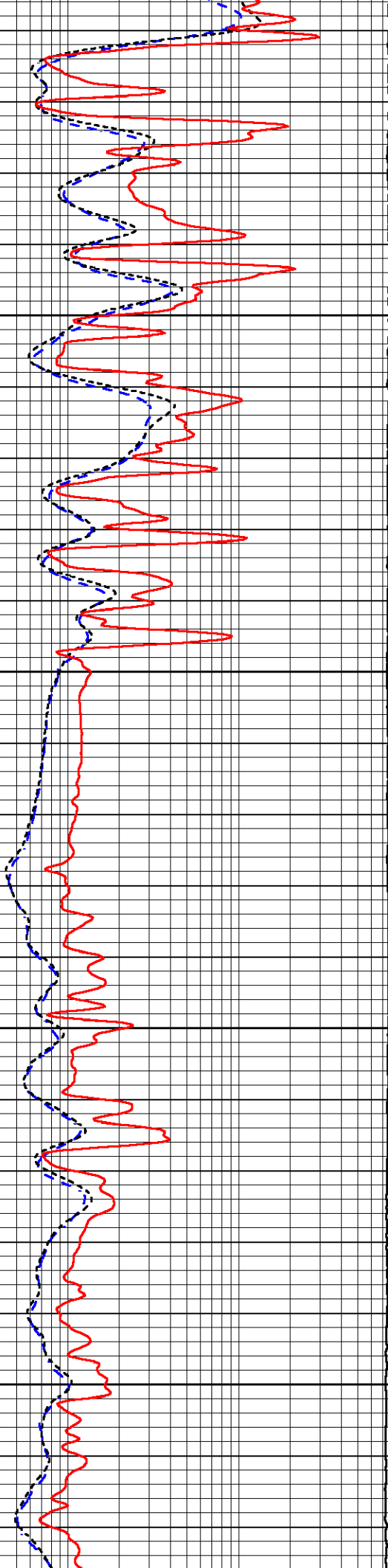


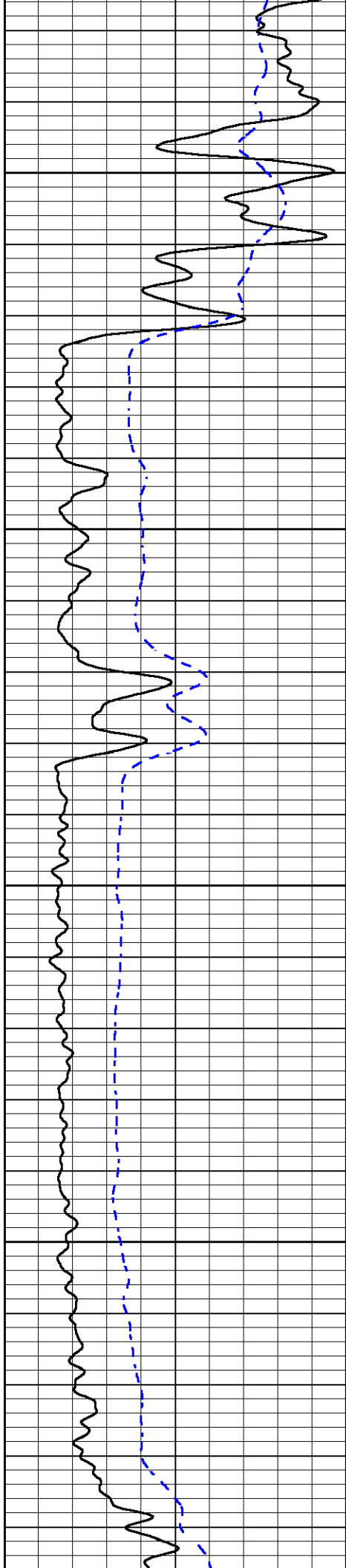
3300

3350

3400

3450



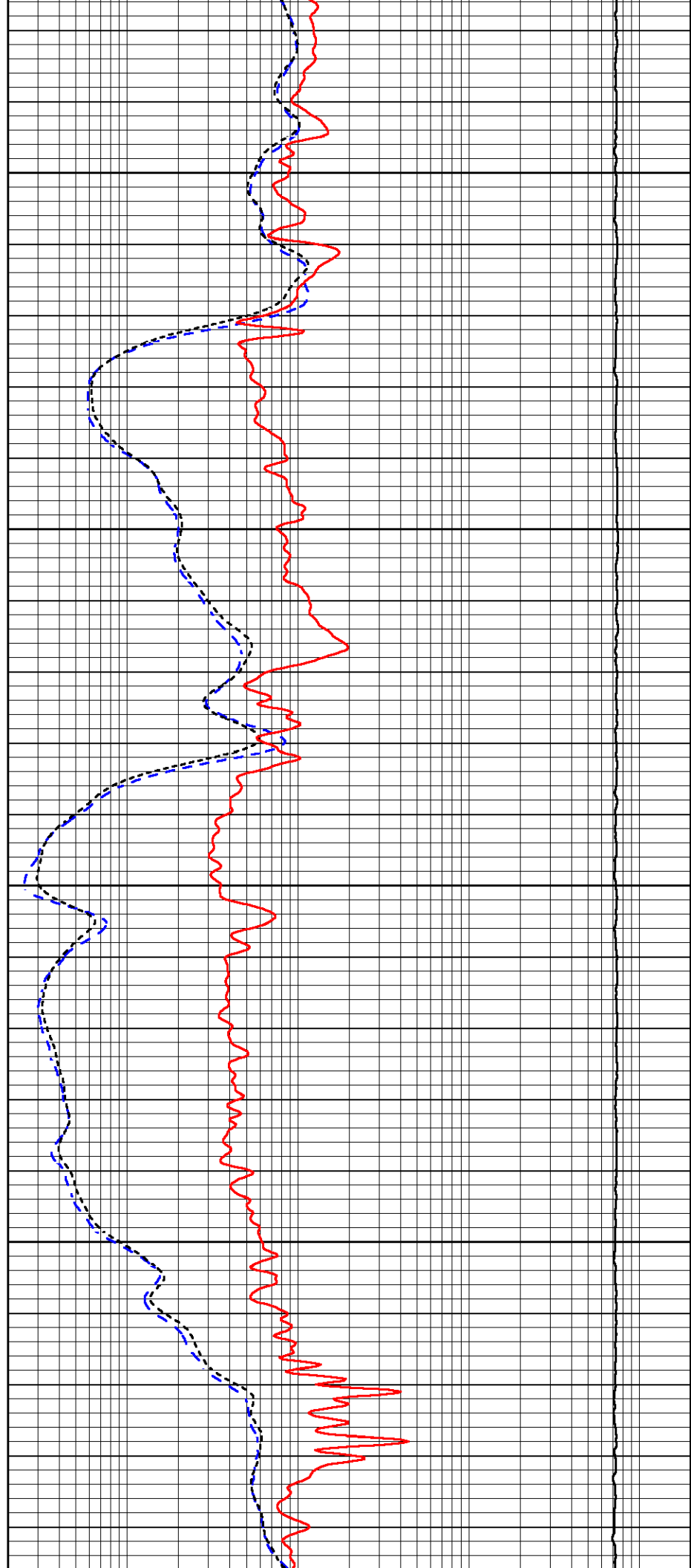


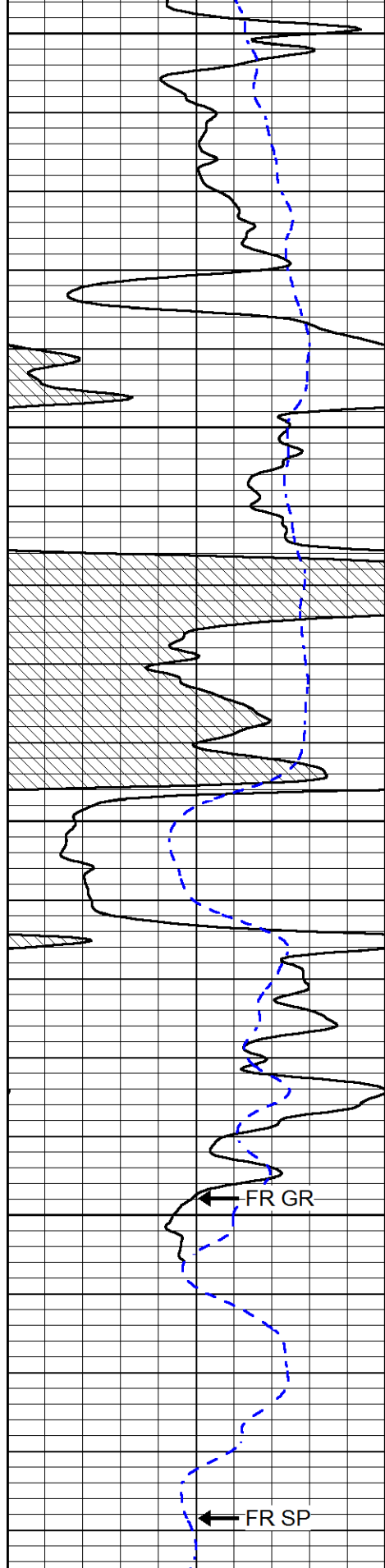
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3550

3600

3650





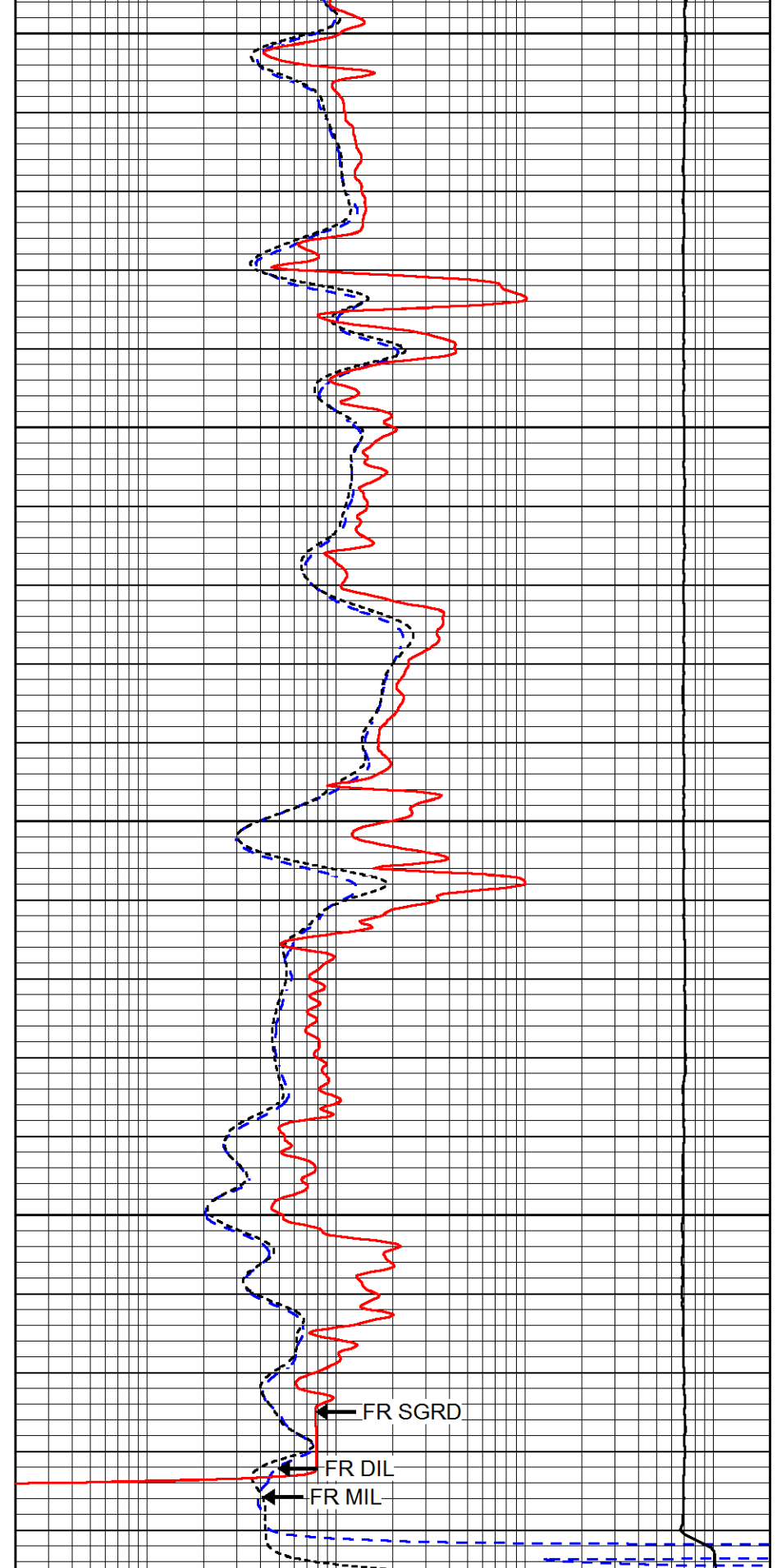
3700

3750

3800

3850

0 GAMMA RAY (GAPI) 150
 -200 SP (mV) 0



0.2 DEEP RESISTIVITY (Ohm-m) 2000
 0.2 MEDIUM RESISTIVITY (Ohm-m) 2000
 0.2 RLL3 (Ohm-m) 2000
 15000 LINE TENSION (lb) 0

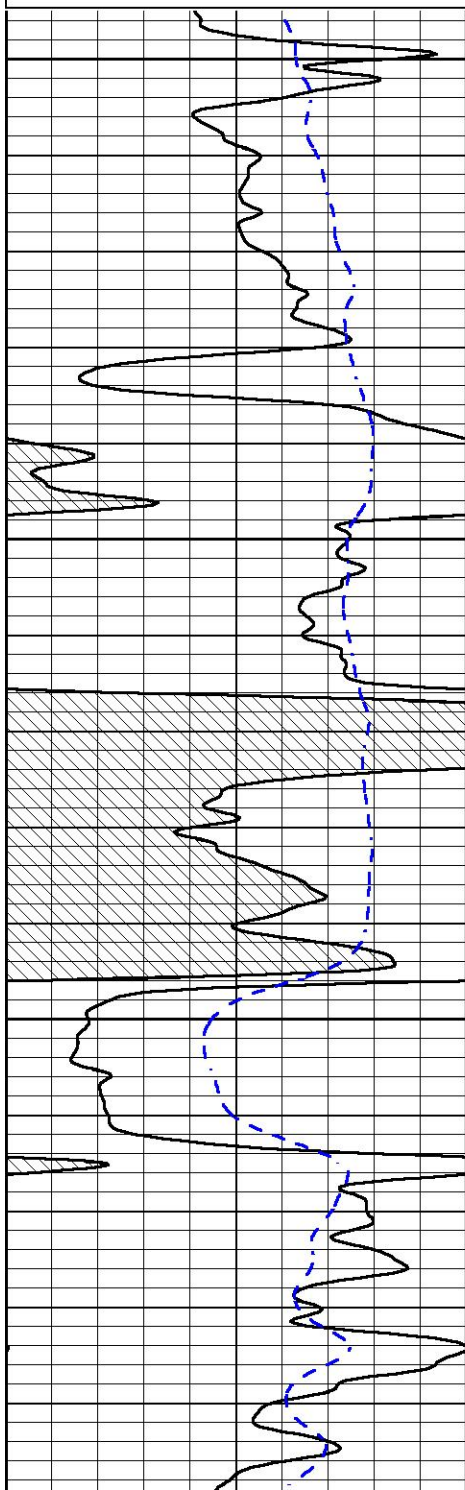


REPEAT SECTION

Database File raney_wolf_4.db
 Dataset Pathname stackml/pass2.1
 Presentation Format dil
 Dataset Creation Thu Apr 19 10:59:45 2018
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0

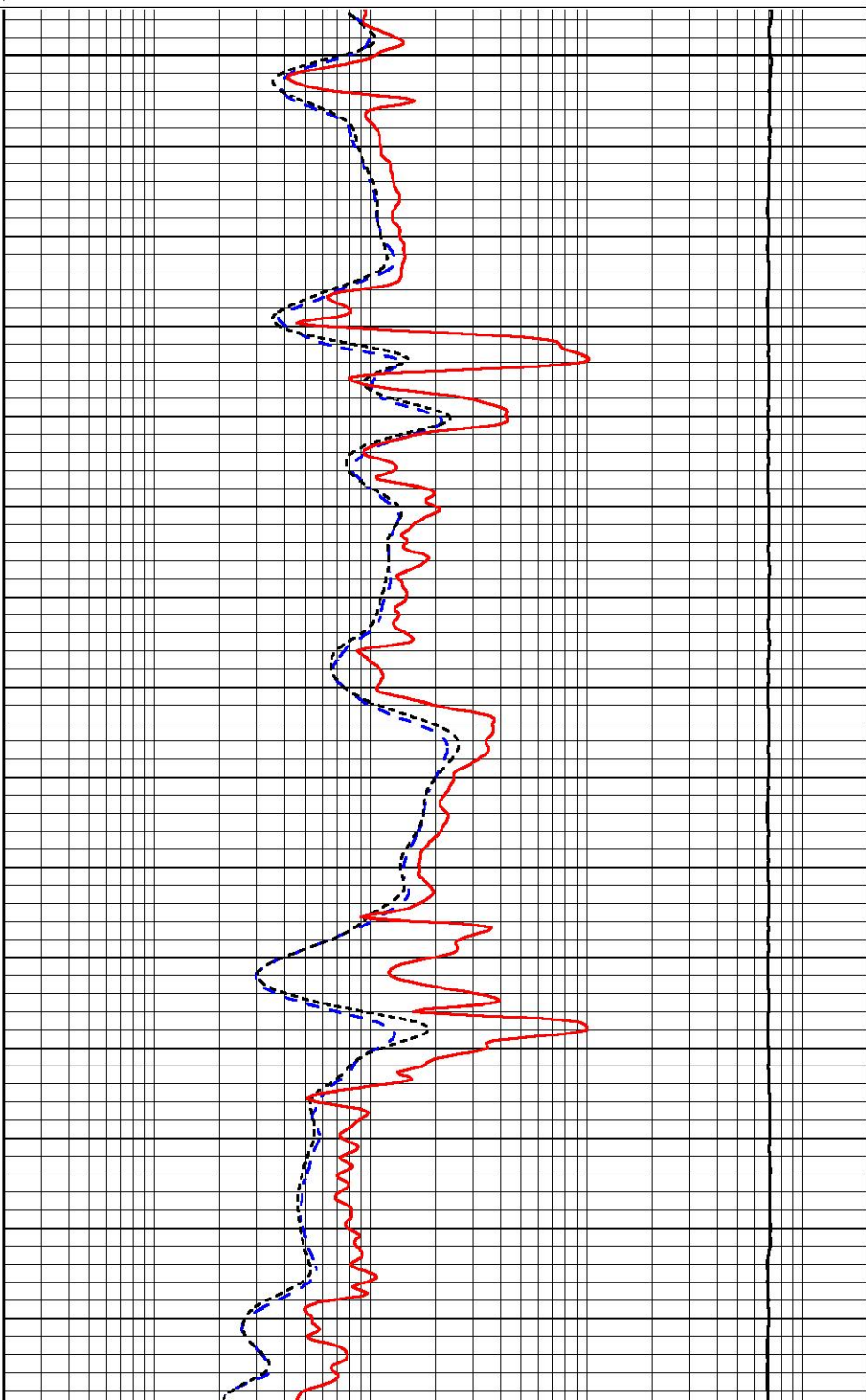
0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
15000	LINE TENSION (lb)	0

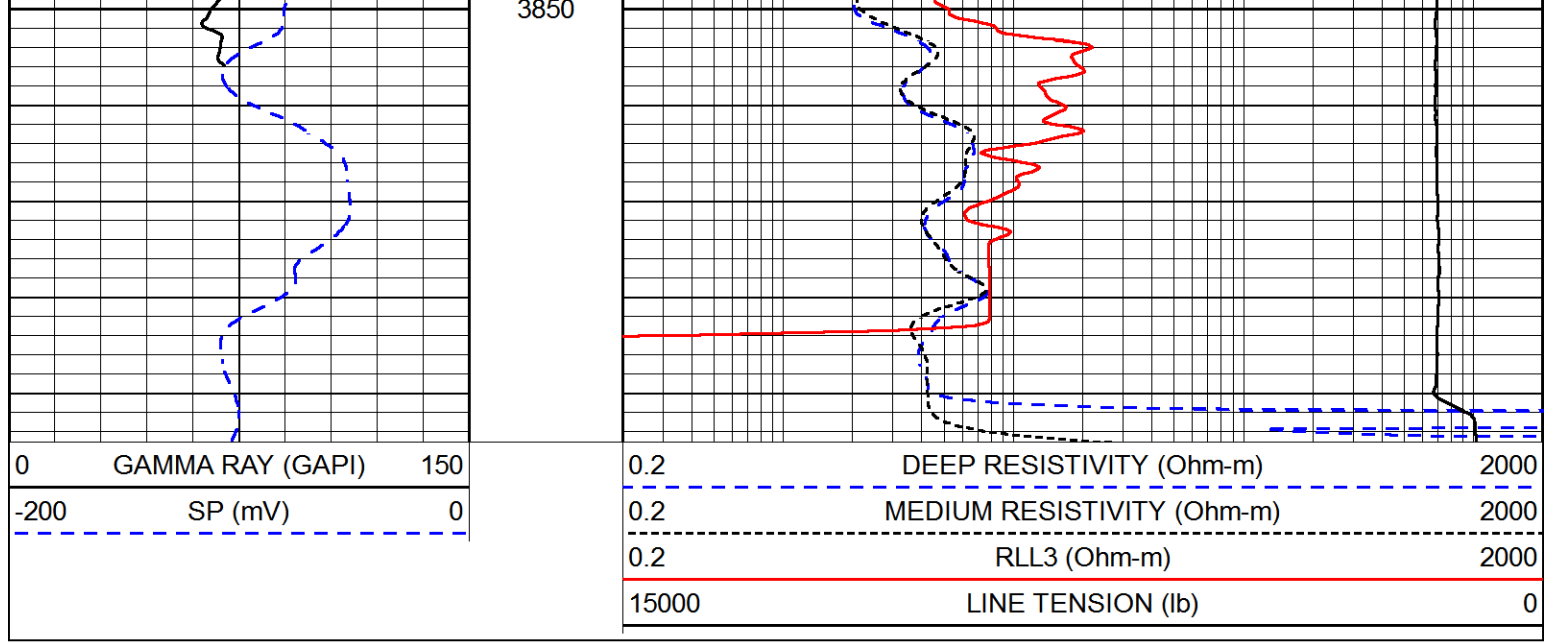


3700

3750

3800





Calibration Report

Database File raney_wolf_4.db
 Dataset Pathname stackml/pass3.1
 Dataset Creation Thu Apr 19 10:59:30 2018

Dual Induction Calibration Report

Serial-Model: PSI 978-M&W
 Calibration Performed: Sun Feb 04 11:50:02 2018

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		Gain	Offset
Deep	178.615	710.235	0.000	255.800	mmho/m	0.570	-40.500
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.400	-37.000

Microlog Calibration Report

Serial-Model: PSI-02-PSI STKBL ML
 Performed: Sat Apr 07 12:01:20 2018

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0031	0.0043	0.0000	10.0000	Ohm-m	17000.0000	-1.0000
Inverse	0.0000	0.0013	0.0000	10.0000	Ohm-m	14000.0000	0.0000
Caliper	1.0020	1.0834	5.5000	16.5000	in	135.1560	-131.8000

Compensated Density Calibration Report

Serial-Model: 168-986-M&W
 Source / Verifier: /
 Master Calibration Performed: Tue Apr 11 17:07:47 2017

Master Calibration

	Density		Far Detector	Near Detector
Magnesium	1.755	g/cc	4601.86	4818.10

Magnesium	1.755	g/cc	4891.88	4818.19	cps
Aluminum	2.690	g/cc	859.57	3020.22	cps

Spine Angle = 74.61

Density/Spine Ratio = 0.531

	Size		Reading
Small Ring	4.00	in	1.00
Large Ring	14.00	in	1.20

Compensated Neutron Calibration Report

Serial Number: tk10-MW
 Tool Model: M&W
 Calibration Performed: Wed Nov 16 11:21:36 2016

Detector	Readings	Target	Normalization
Short Space	6240.00 cps	1000.00 cps	1.6025
Long Space	460.00 cps	1000.00 cps	1.9500

Gamma Ray Calibration Report

Serial Number: 89-M&W
 Tool Model: M&W
 Calibration Performed: Tue Apr 11 17:08:01 2017

Calibrator Value: 1000.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 6.2 cps

Sensitivity: 0.5200 GAPI/cps



PIONEER
 Pioneer Energy Services

Company RANEY OIL COMPANY, LLC
 Well WOLF NO.4
 Field ASHTON SE
 County SUMNER
 State KANSAS



MICRORESISTIVITY LOG

Company RANEY OIL COMPANY, LLC
 Well WOLF NO.4
 Field ASHTON SE
 County SUMNER
 State KANSAS

Company RANEY OIL COMPANY, LLC
 Well WOLF NO.4
 Field ASHTON SE
 County SUMNER State KANSAS

Location: API #: 15-191-22801-00-00
 2310' FNL & 650' FWL
 SEC 29 TWP 34S RGE 2E
 Permanent Datum GROUND LEVEL Elevation 1198'
 Log Measured From KELLY BUSHING
 Drilling Measured From KELLY BUSHING
 Other Services
 CNL/CDL
 DIL
 Elevation
 K.B. 1206'
 D.F. N/A
 G.L. 1198'

Date	4/19/2018
Run Number	ONE
Depth Driller	3892'
Depth Logger	3890'
Bottom Logged Interval	3889'
Top Log Interval	2300'
Casing Driller	8.625" @ 265'
Casing Logger	263'
Bit Size	7.875"
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	2000
Density / Viscosity	9.4 53
pH / Fluid Loss	10.5 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.90 @ 63
Rmt @ Meas. Temp	.68 @ 63
Rmc @ Meas. Temp	1.22 @ 63
Source of Rmf / Rmc	CHARTS
Rm @ BHT	.49 @ 115
Operating Rig Time	2 HOURS
Max Rec. Temp. F	115 DEGF
Equipment Number	108
Location	HAYS
Recorded By	J. HENRICKSON
Witnessed By	DAN JOHNSON

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
 SOUTH HAVEN EXIT
 EAST TO ASHTON ROAD, 1 NORTH, EAST INTO

Log Measured From: KELLY BUSHING 8 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

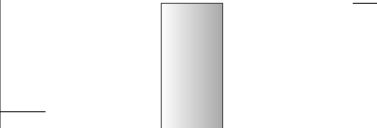
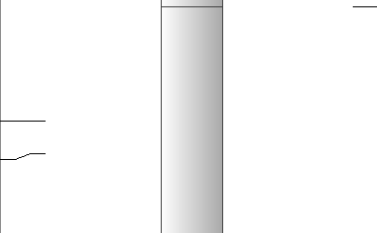
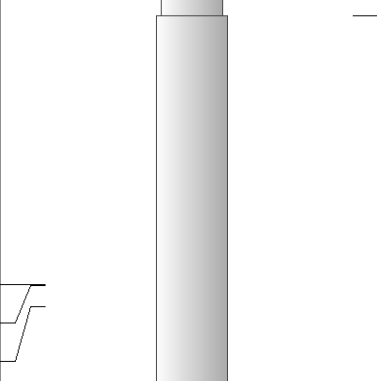
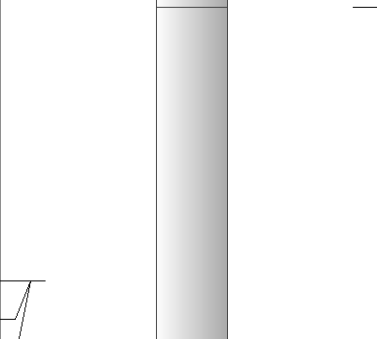
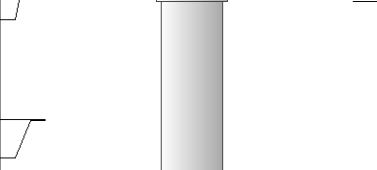
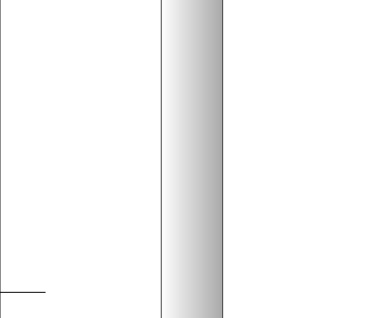
Your Pioneer Energy Services Crew Engineer: J. HENRICKSON Operator: Operator: Operator:	This Log Record Was Witnessed By Primary Witness: DAN JOHNSON Secondary Witness: Secondary Witness: Secondary Witness:
---	--

Log Variables

DatabaseC:\ProgramData\Warrior\Data\raney_wolf_4.db
 Dataset field/well/stackml/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	115	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	2	-210	51	Off	3890

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93		CDL-M&W (168-986)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83		ML-PSI STKBL ML (PSI-02) Stackable Microlog Tools	7.58	4.00	65.00
RLL3 RLL3F	15.80 15.79					
CILD	8.00		DIL-M&W (PSI 978)	18.50	3.50	220.00

CILM 4.70

SP 0.20

Dataset: raney_wolf_4.db: field/well/stackml/pass3.1
 Total length: 43.08 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in

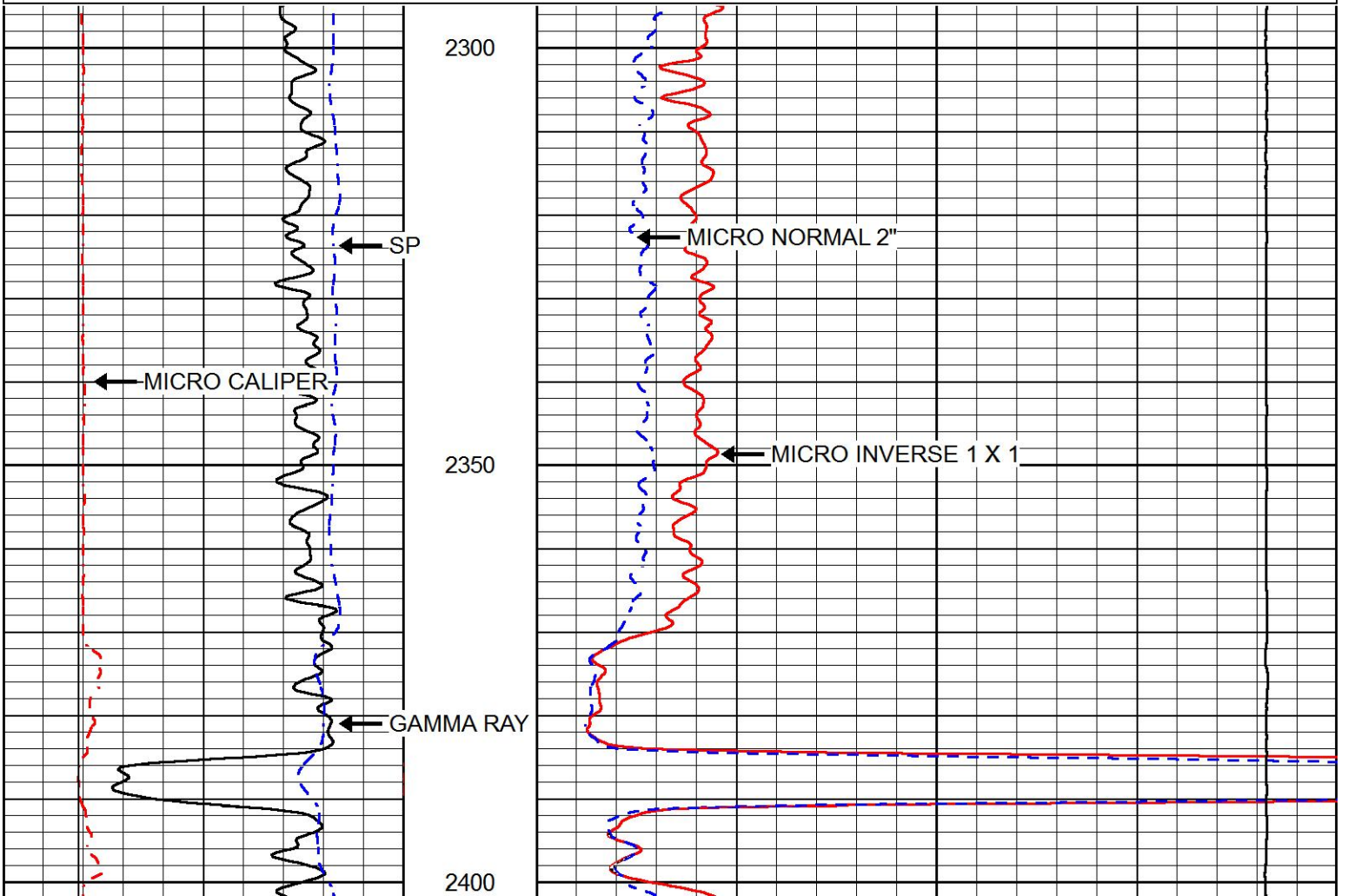


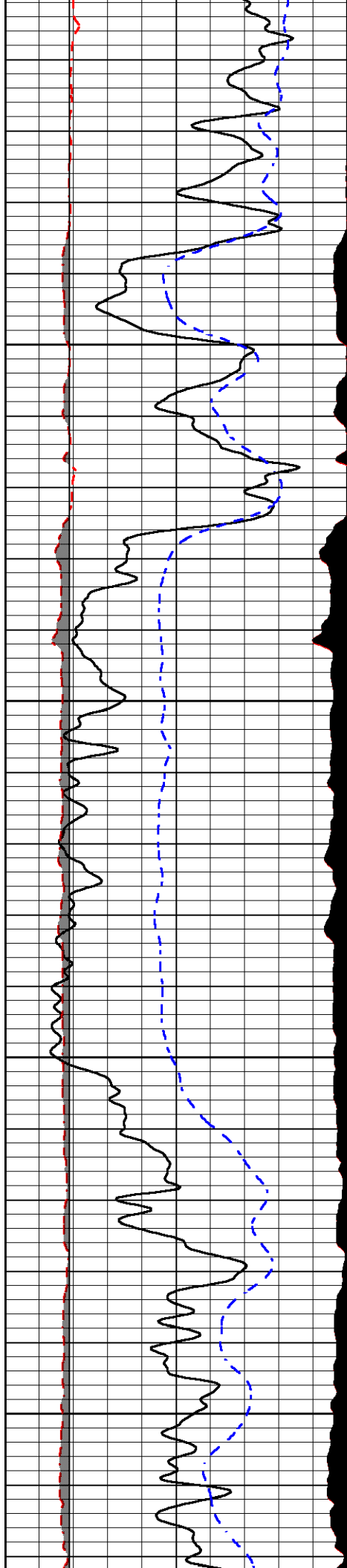
MAIN PASS

Database File raney_wolf_4.db
 Dataset Pathname stackml/pass3.1
 Presentation Format micro
 Dataset Creation Thu Apr 19 10:59:30 2018
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0



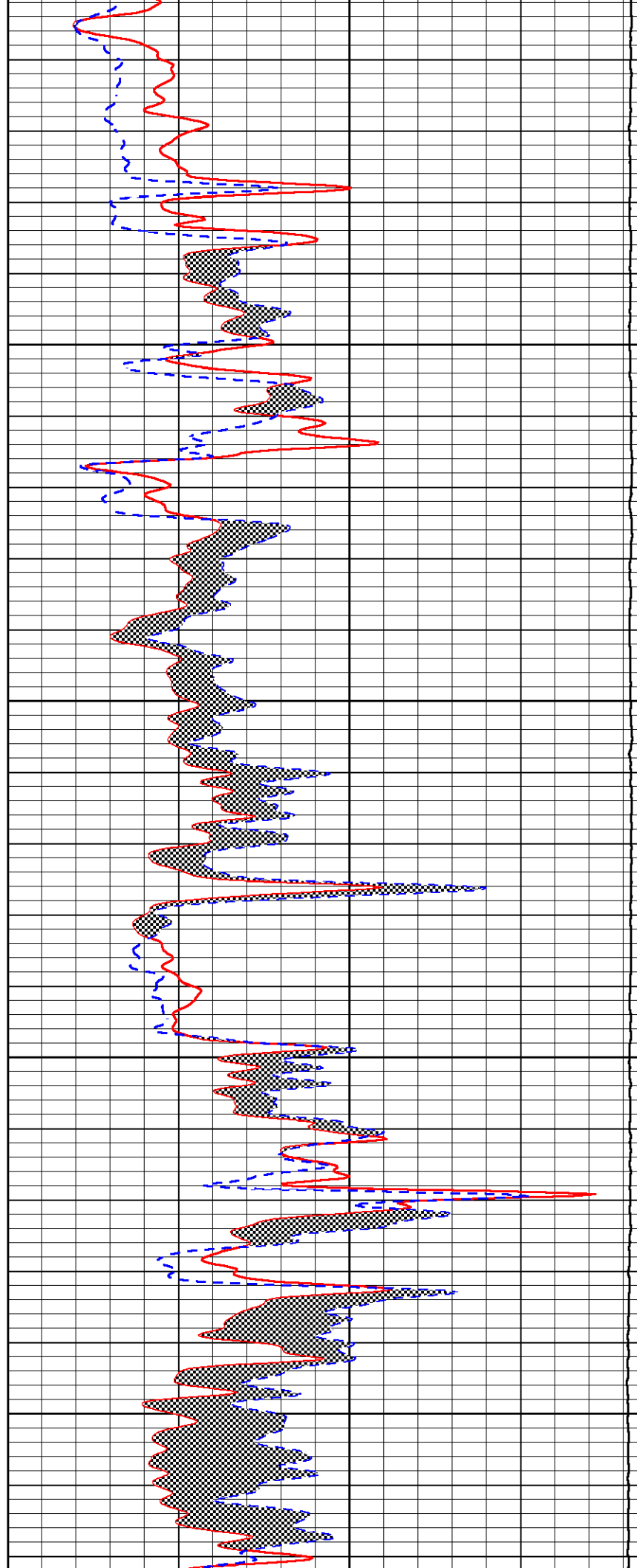


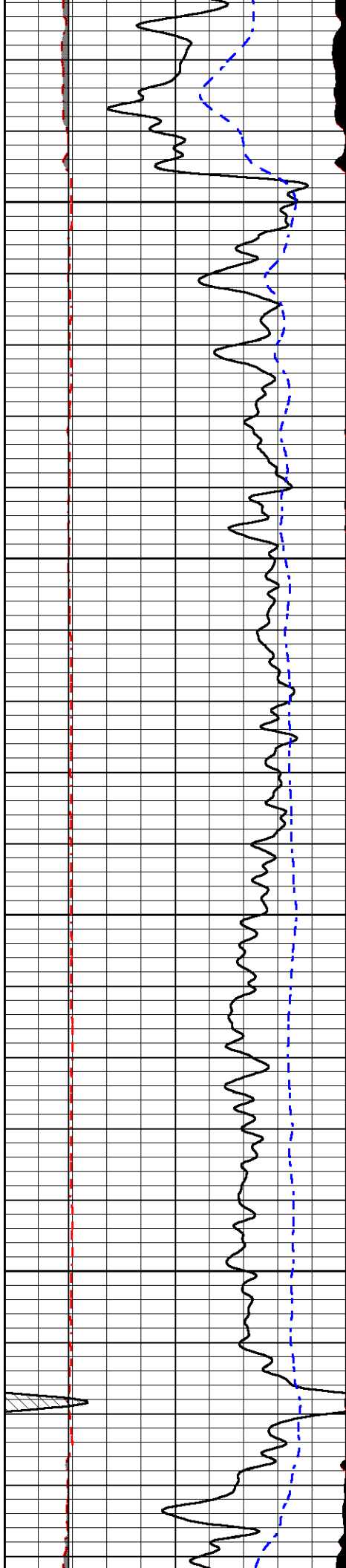
2450

2500

2550

2600



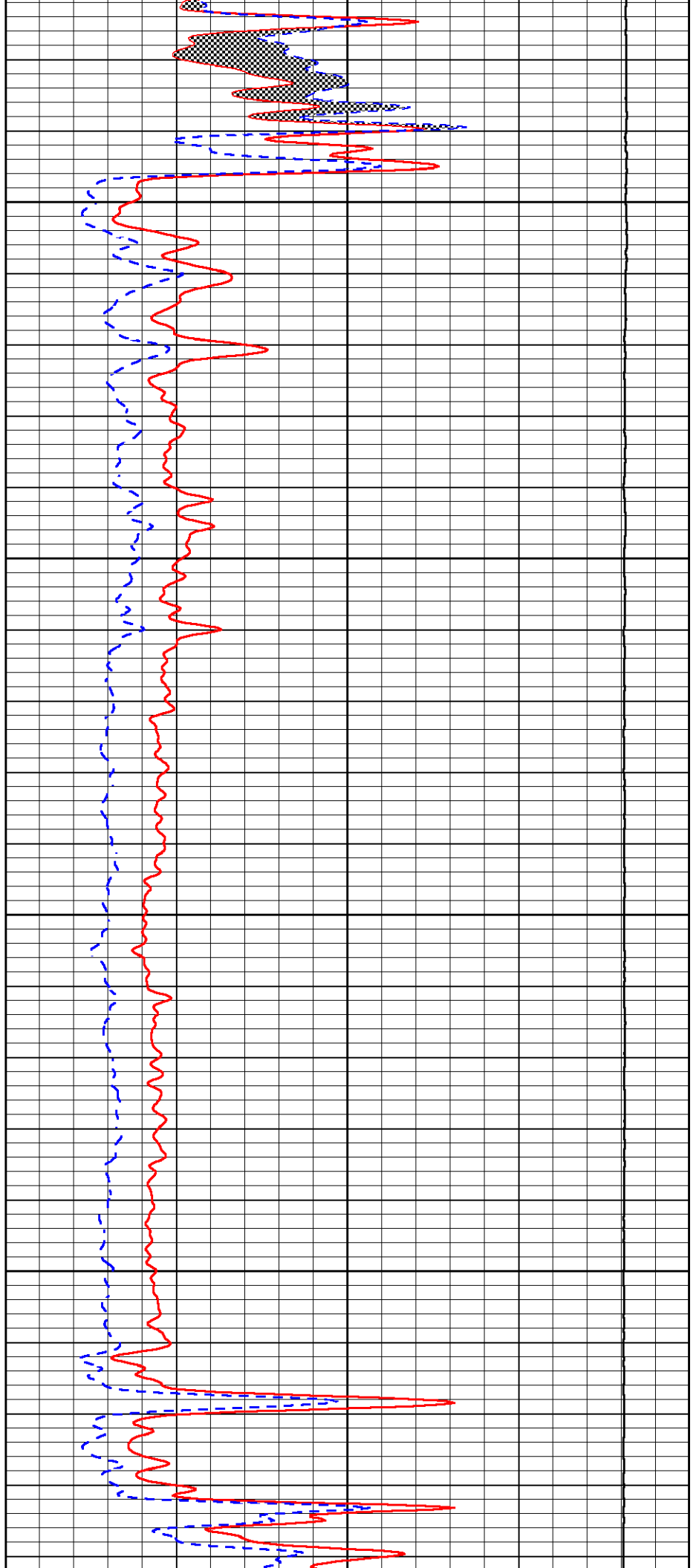


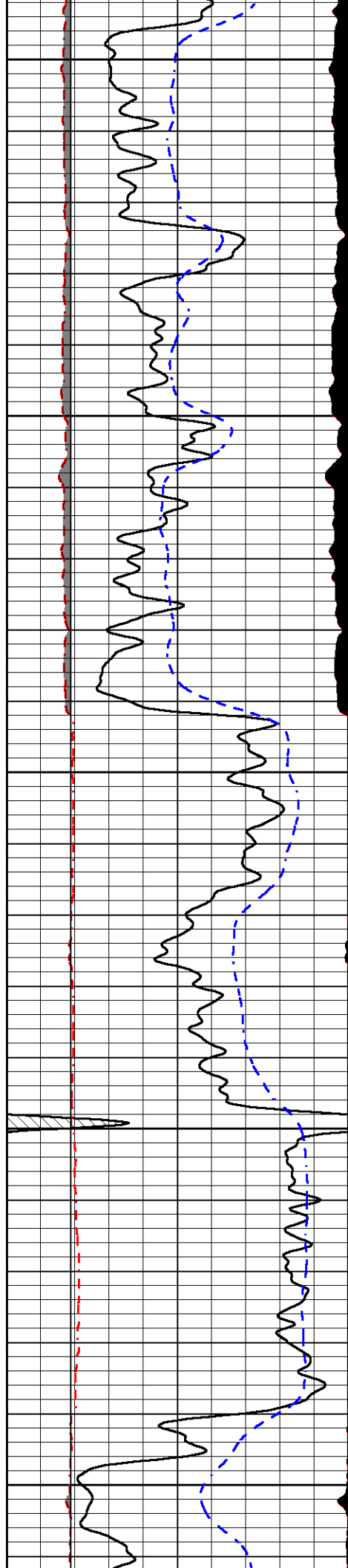
2650

2700

2750

2800





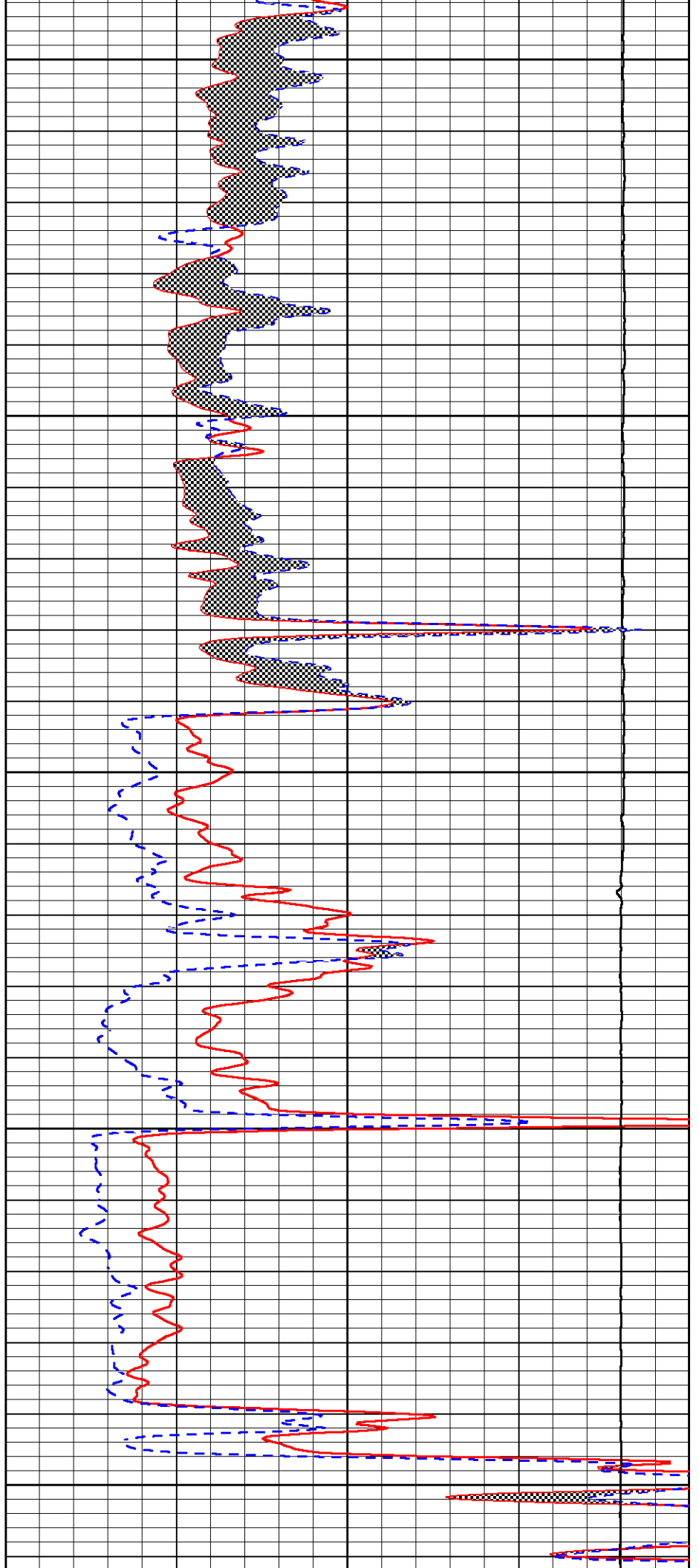
2850

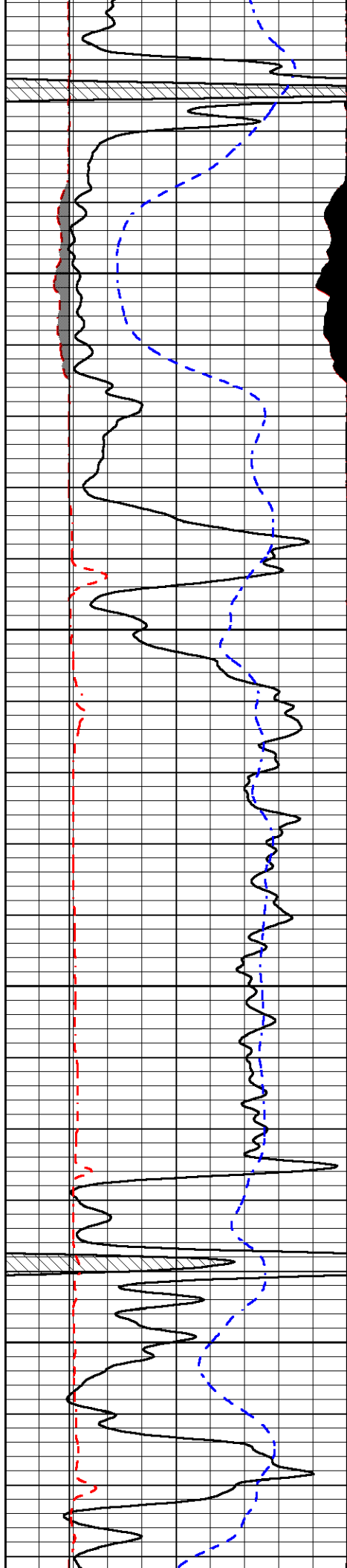
2900

2950

3000

3050



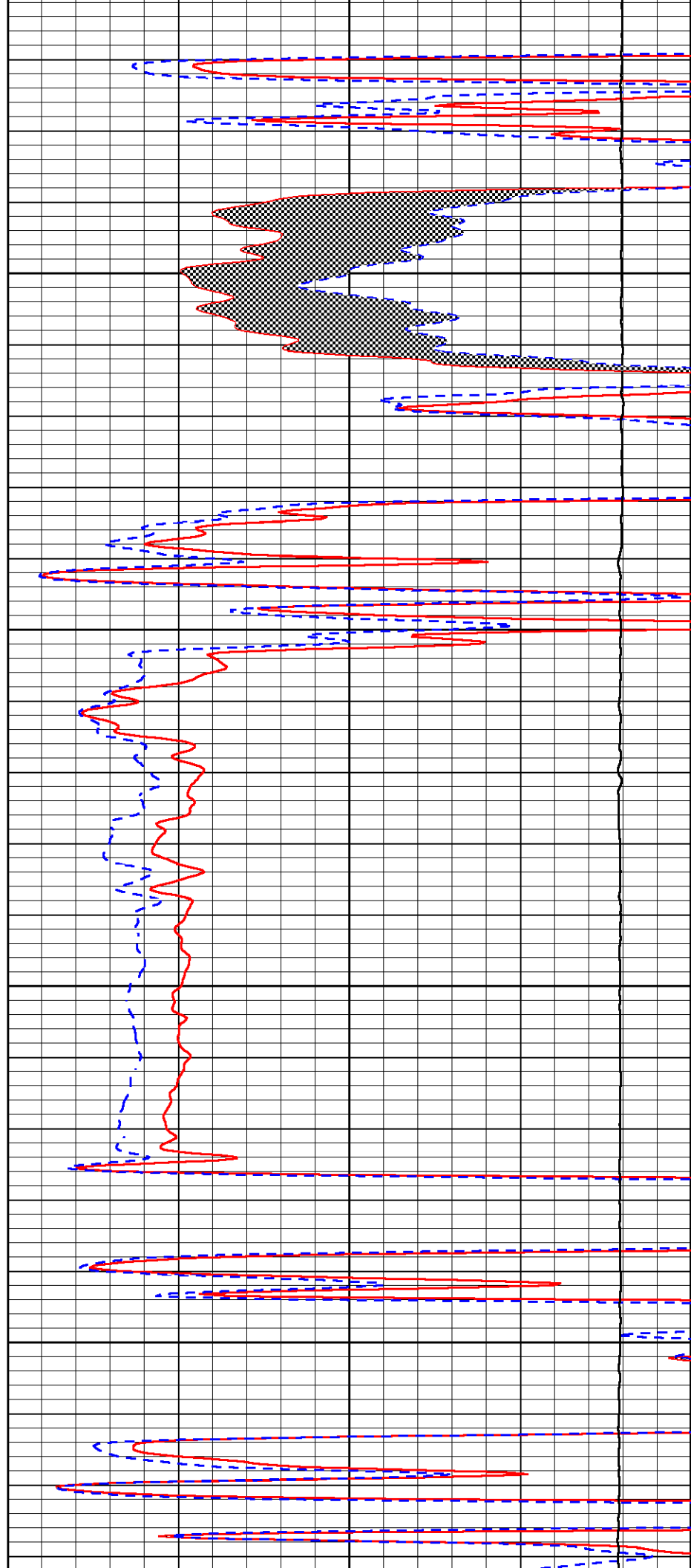


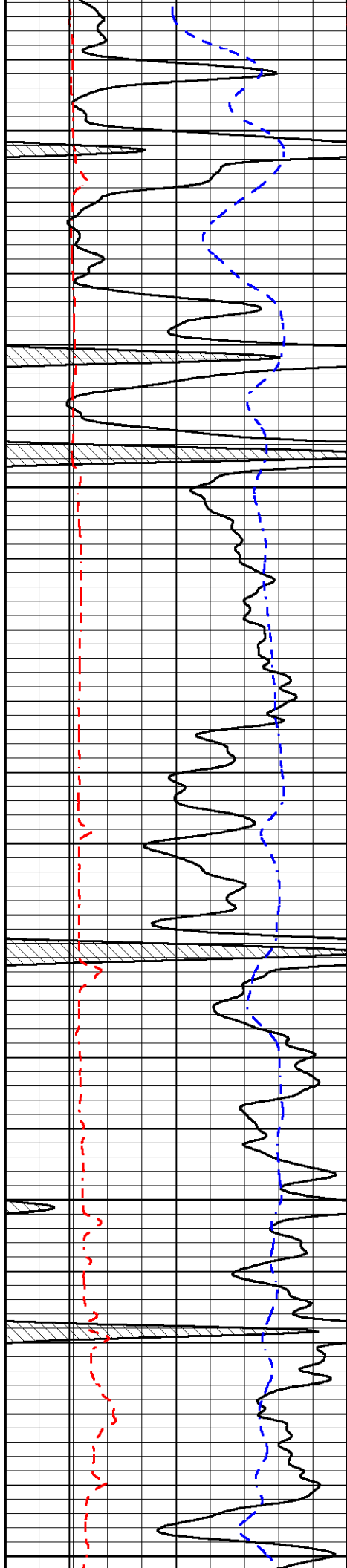
3100

3150

3200

3250





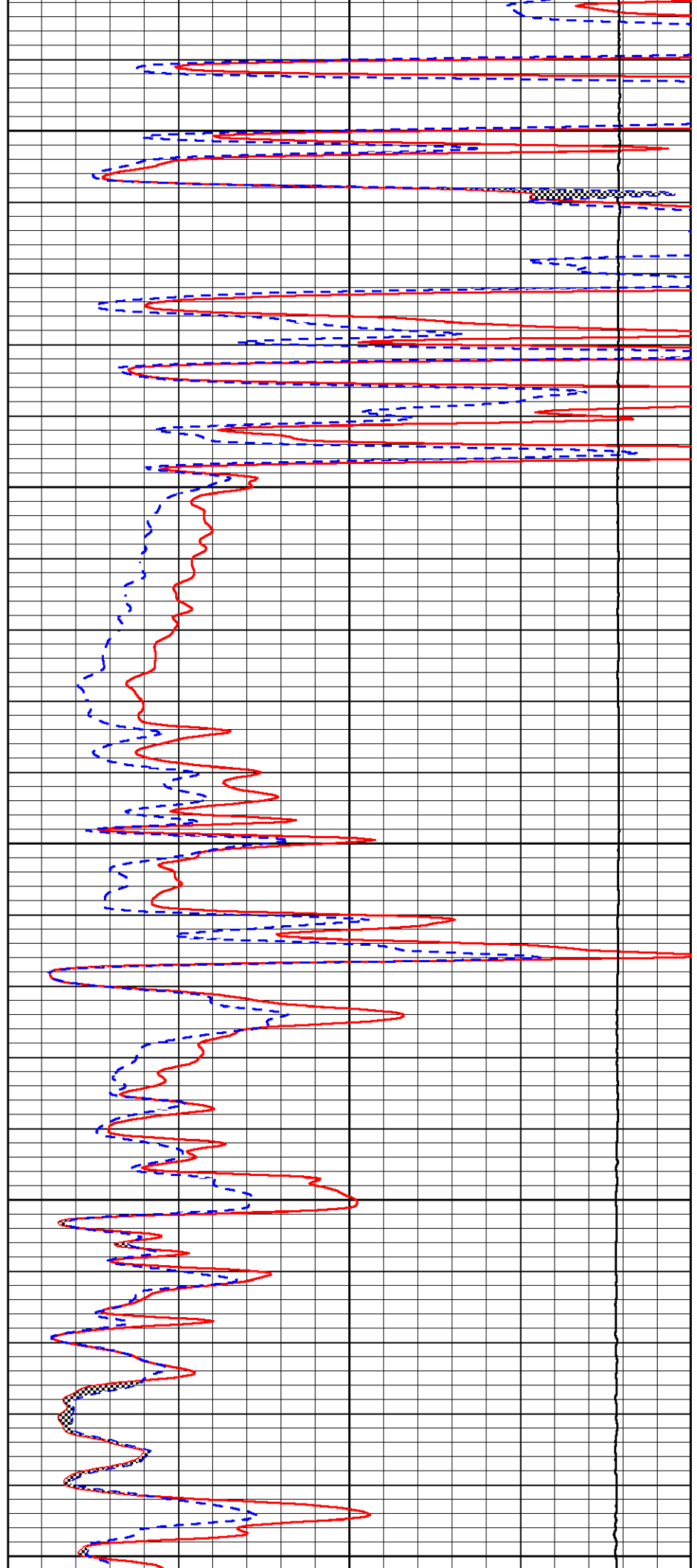
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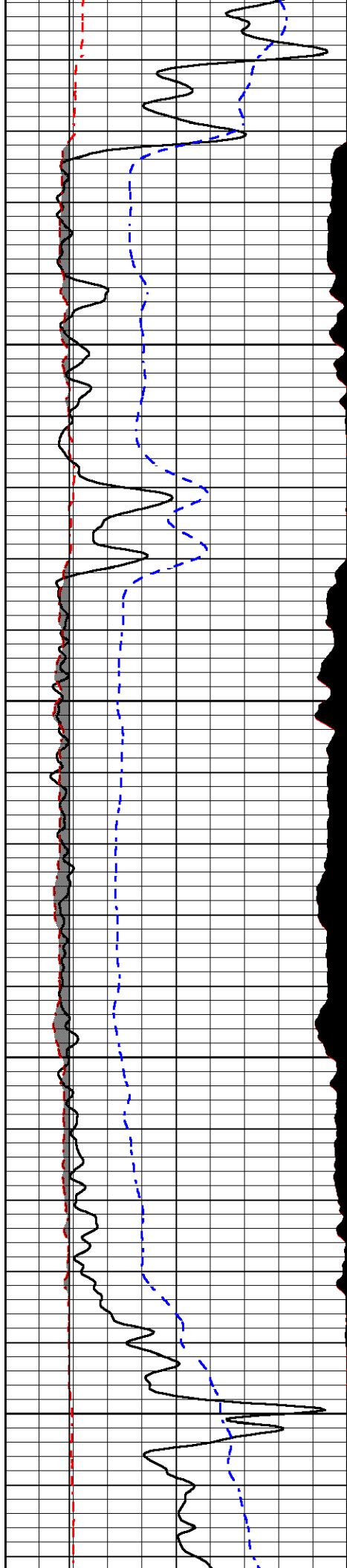
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3400

3450

3500



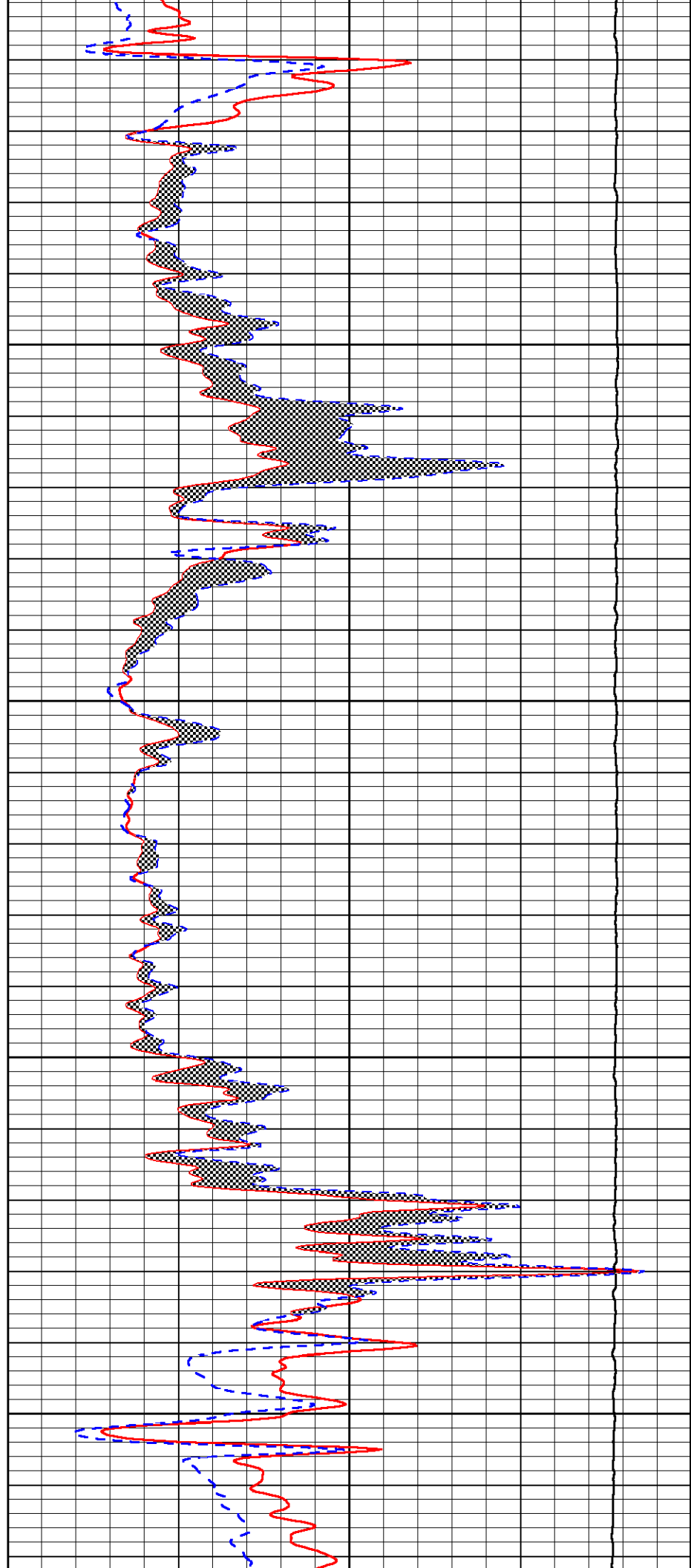


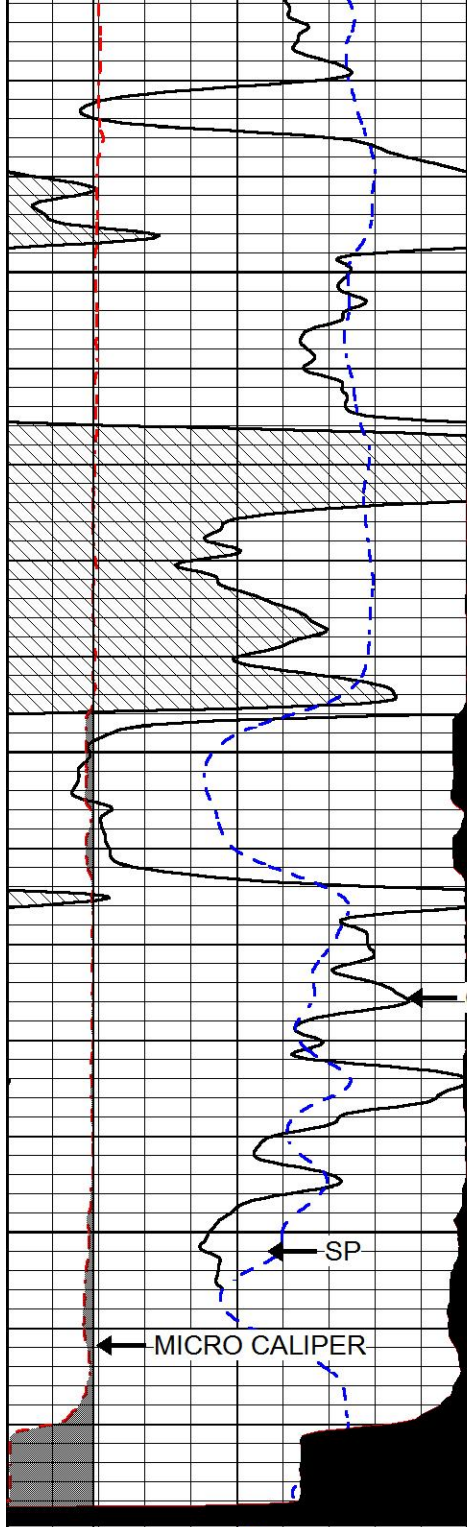
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3600

3650

3700





3750

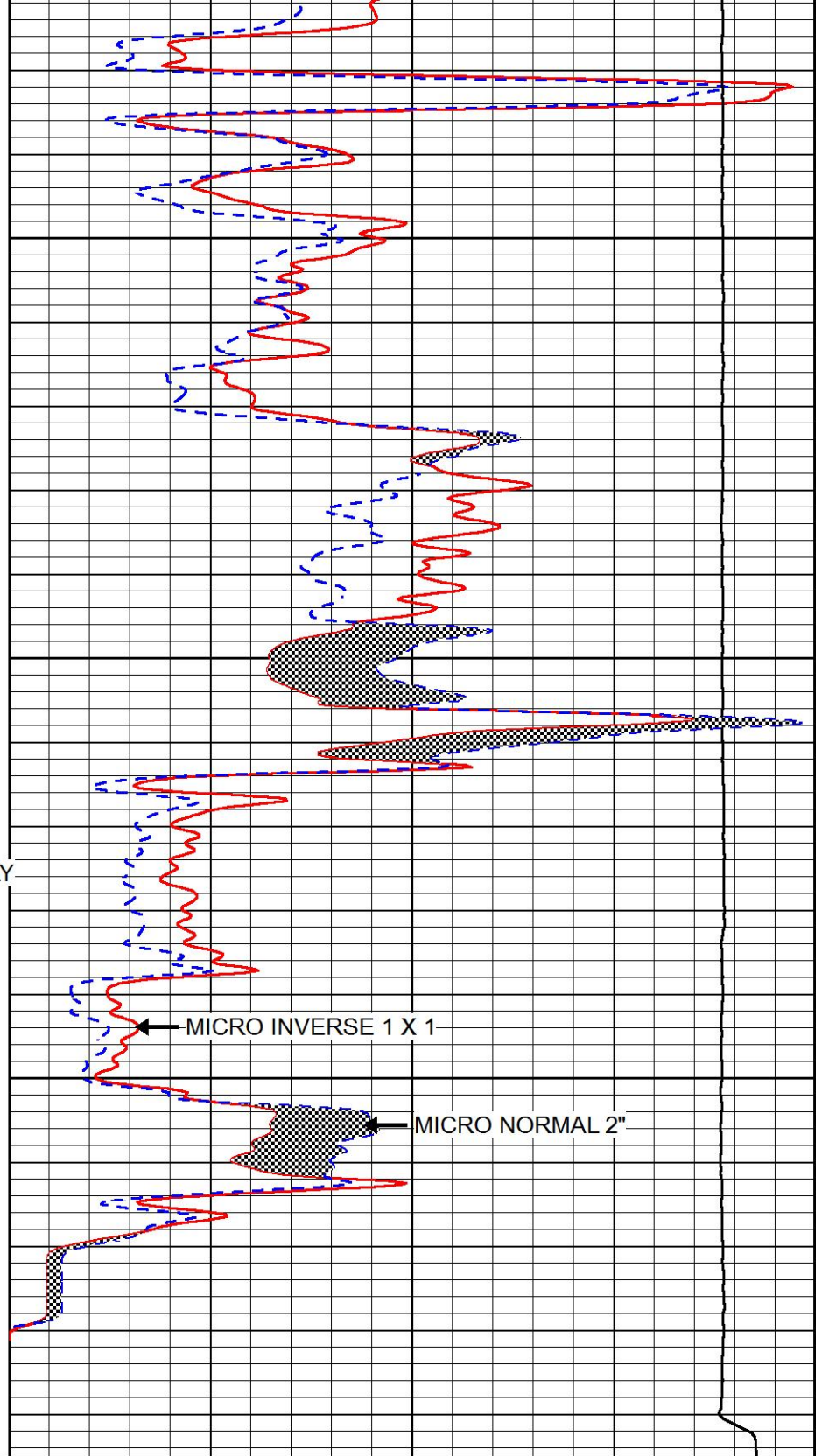
3800

GAMMA RAY

SP

MICRO CALIPER

0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0



MICRO INVERSE 1 X 1

MICRO NORMAL 2"

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0

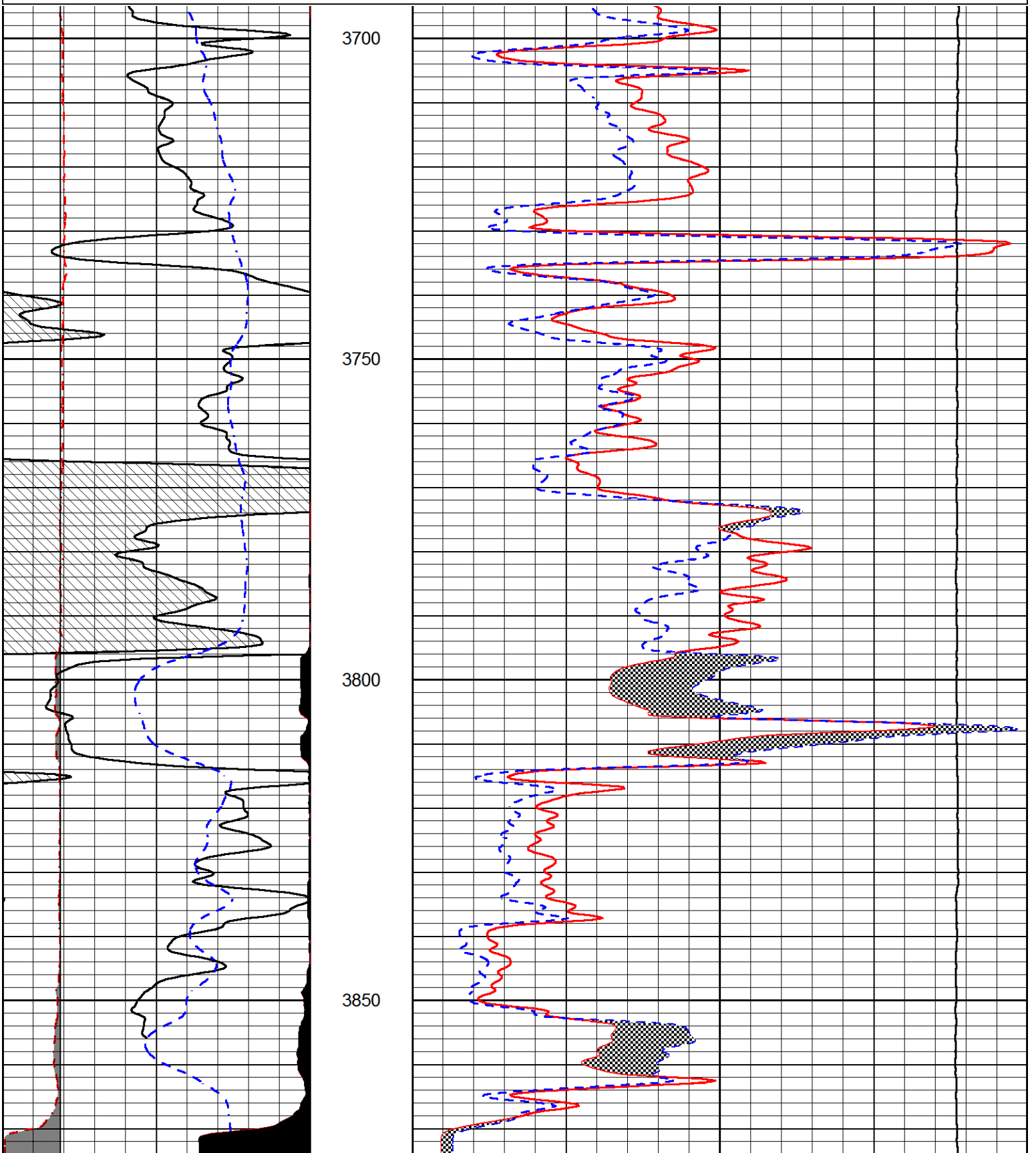


REPEAT SECTION

Database File raney_wolf_4.db
 Dataset Pathname stackml/pass2.1
 Presentation Format micro
 Dataset Creation Thu Apr 19 10:59:45 2018
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0



0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0

Calibration Report

Database File raney_wolf_4.db
 Dataset Pathname stackml/pass3.1
 Dataset Creation Thu Apr 19 10:59:30 2018

Dual Induction Calibration Report

Serial-Model: PSI 978-M&W
 Calibration Performed: Sun Feb 04 11:50:02 2018

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		Gain	Offset
Deep	178.615	710.235	0.000	255.800	mmho/m	0.570	-40.500
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.400	-37.000

Microlog Calibration Report

Serial-Model: PSI-02-PSI STKBL ML
 Performed: Sat Apr 07 12:01:20 2018

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0031	0.0043	0.0000	10.0000	Ohm-m	17000.0000	-1.0000
Inverse	0.0000	0.0013	0.0000	10.0000	Ohm-m	14000.0000	0.0000
Caliper	1.0020	1.0834	5.5000	16.5000	in	135.1560	-131.8000

Compensated Density Calibration Report

Serial-Model: 168-986-M&W
 Source / Verifier: /
 Master Calibration Performed: Tue Apr 11 17:07:47 2017

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	4691.86	4818.19	cps
Aluminum	2.690	g/cc	859.57	3020.22	cps

Spine Angle = 74.61

Density/Spine Ratio = 0.531

	Size	Reading
Small Ring	4.00 in	1.00
Large Ring	14.00 in	1.20

Compensated Neutron Calibration Report

Serial Number: tk10-MW
Tool Model: M&W
Calibration Performed: Wed Nov 16 11:21:36 2016

Detector	Readings	Target	Normalization
Short Space	6240.00 cps	1000.00 cps	1.6025
Long Space	460.00 cps	1000.00 cps	1.9500

Gamma Ray Calibration Report

Serial Number: 89-M&W
Tool Model: M&W
Calibration Performed: Tue Apr 11 17:08:01 2017

Calibrator Value: 1000.0 GAPI
Background Reading: 0.0 cps
Calibrator Reading: 6.2 cps
Sensitivity: 0.5200 GAPI/cps



Company RANEY OIL COMPANY, LLC
Well WOLF NO.4
Field ASHTON SE
County SUMNER
State KANSAS

STATE OF KANSAS



CORPORATION COMMISSION
CONSERVATION DIVISION
266 N. MAIN ST., STE. 220
WICHITA, KS 67202-1513

PHONE: 316-337-6200
FAX: 316-337-6211
<http://kcc.ks.gov/>

GOVERNOR JEFF COLYER, M.D.

SHARI FEIST ALBRECHT, CHAIR | JAY SCOTT EMLER, COMMISSIONER | DWIGHT D. KEEN, COMMISSIONER

September 13, 2018

Thomas Raney
Raney Oil Company, LLC
4665 BAUER BROOK CT.
LAWRENCE, KS 66049-9013

Re: ACO-1
API 15-191-22801-00-00
WOLF 4
NW/4 Sec.29-34S-02E
Sumner County, Kansas

Dear Thomas Raney:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 04/13/2018 and the ACO-1 was received on September 13, 2018 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **3855**
 Foreman Russell McCoy
 Camp Eureka

APR 15-191-22801

Date	Cust. ID #	Lease & Well Number		Section	Township	Range	County	State
4-14-18	1258	Wolf # 4					Sumner	Ks
Customer			Safety Meeting RM AB RIL	Unit #	Driver	Unit #	Driver	
Mailing Address				104	AB			
City				112	RICK			
State		Zip Code						
Lawrence		66049						

Job Type Surface Hole Depth 269 Slurry Vol. 46 Bbl Tubing _____
 Casing Depth 254 G.L. Hole Size 12 1/4 Slurry Wt. 15[#] Drill Pipe _____
 Casing Size & Wt. B^{5/8} 23[#] Cement Left in Casing 15 7/- Water Gal/SK _____ Other _____
 Displacement 15 1/2 Bbl Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety meeting, Rig to B^{5/8} casing, Break circulation w/ 10 Bbl fresh water. Mix 190 SK's class A Reg w/ 3% CACIZ 2% Gel 1/4[#] Flo-Seal / SK @ 15[#] gallon w/ yield of 1.35 = 46 Bbl slurry. Displace w/ 15 1/2 Bbl fresh water. 2 Bbl cement returns in cellar. Job complete, Trip Down.

Thank you
 Russell McCoy

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-101	1	Pump Charge	840.00	840.00
C-107	75	Mileage	3.95	296.25
C-200	190	SK's class A cement	15.00	2850.00
C-205	535 [#]	CACIZ = 3%	.60	321.00
C-206	360 [#]	Gel = 2%	.20	72.00
C-209	50 [#]	Flo-Seal	2.25	112.50
C-1088	8.73	Tow Mileage 75 miles	1.35	904.16
		Sub Total		5,395.91
		1		
		1,590 [#]	Sales Tax	251.68

Authorization Deion Vasquez Title Toolpusher Total 5647.59

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.