KOLAR Document ID: 1371092

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 # 3959
Name: Siroky Oil Management
Address 1: PO BOX 464
Address 2:
City: PRATT State: KS Zip: 67124 + 0464
Contact Person: Brian Siroky
Phone: (620) 672-5625
CONTRACTOR: License # 34484
Name: Fossil Drilling, Inc.
Wellsite Geologist: Patrick Deenihan
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 #:

10/05/2017 Spud Date or Recompletion Date
10/15/2017 Date Reached TD
11/20/2017 Completion Date or Recompletion Date

API No.: 15-151-22464-00-00
Spot Description:
_ - NW - NW - NE Sec. 21 Twp. 27 S. R. 12 ☐ East ☑ West
330 Feet from ☑ North / ☐ South Line of Section
2310 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Pratt
Lease Name: STULL Well #: 1
Field Name:
Producing Formation: Lansing
Elevation: Ground: 1842 Kelly Bushing: 1854
Total Vertical Depth: 4557 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 340 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: 6000 ppm Fluid volume: 400 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Siroky Oil Management
Lease Name: Siroky SWD #2 License #: 3959
Quarter SW Sec. 20 Twp. 27 S. R. 12 ☐ East ☑ West
County: Pratt Permit #: D-31512

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: 02/01/2018
☐ **Confidential Release Date:** 02/01/2020
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 02/05/2018

Operator Name: Siroky Oil Management Lease Name: STULL Well #: 1

Sec. 21 Twp. 27 S. R. 12 ☐ East ☑ West County: Pratt

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Micro Log
Dual Induction Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Lansing	3696	-1842
Miss	4124	-2270
Viola	4272	-2418
Arbuckle	4472	-2618

CASING RECORD ☐ New ☑ 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
Surface	12.25	10.75	32.75	340	common	300	3
Production	7.875	5.5	15.5	4502	AA2	175	2

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

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

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Siroky Oil Management
Well Name	STULL 1
Doc ID	1371092

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	10.75	32.75	340	common	300	3
Production	7.875	5.5	15.5	4502	AA2	175	2

DRILL STEM TEST REPORT

Siroky Oil Management

PO Box 464
Pratt, KS 67124

ATTN: Pat Deenihan

21-27S-12W Pratt, KS

Stull #1

Job Ticket: 55393 **DST#: 1**

Test Start: 2017.10.10 @ 00:48:50

GENERAL INFORMATION:

Formation: **Lansing**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:05:11
Time Test Ended: 11:05:25

Test Type: Conventional Bottom Hole (Initial)
Tester: Brannan Lonsdale
Unit No: 73

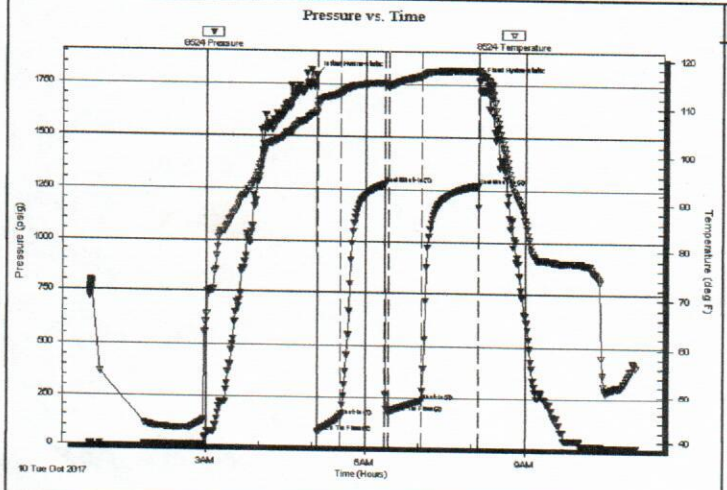
Interval: 3696.00 ft (KB) To 3760.00 ft (KB) (TVD)
Total Depth: 3760.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1854.00 ft (KB)
1842.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8524 **Outside**
Press@RunDepth: 235.48 psig @ 3697.00 ft (KB)
Start Date: 2017.10.10 End Date: 2017.10.10
Start Time: 00:48:50 End Time: 11:05:25

Capacity: 8000.00 psig
Last Calib.: 2017.10.10
Time On Btm: 2017.10.10 @ 05:04:41
Time Off Btm: 2017.10.10 @ 08:08:11

TEST COMMENT: 30- IF- BOB 1min
45- ISI- .75" blow slowly died back to .25"
45- FF- BOB 15secs
60- FSI- 3" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1792.39	109.11	Initial Hydro-static
1	70.18	108.89	Open To Flow (1)
27	151.66	112.87	Shut-In(1)
77	1275.26	115.07	End Shut-In(1)
81	174.11	114.28	Open To Flow (2)
118	235.48	116.40	Shut-In(2)
183	1272.72	117.66	End Shut-In(2)
184	1770.21	117.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
313.00	GMCO, 40%G 10%M 50%O	2.66
111.00	OCM, 10%O 90%M	1.20
0.00	Gas to surface(TSTM)	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 55393

Well Name & No. Stull #1 Test No. 1 Date 10/10/17

Company Siroky Oil Management Elevation 1854 KB 1842 GL

Address PO Box 464 Pratt, KS 67124

Co. Rep / Geo. Pat Deenihan Rig Fossil

Location: Sec. 21 Twp. 27 S Rge. 12 W Co. Pratt State KS

Interval Tested 3696 - 3760 Zone Tested Lansing

Anchor Length 64' Drill Pipe Run 3575 Mud Wt. 8.4

Top Packer Depth 3691 Drill Collars Run 123 Vis 205

Bottom Packer Depth 3696 Wt. Pipe Run — WL 9.2

Total Depth 3760 Chlorides 3,000 ppm System LCM 4#

Blow Description IF - BOB 1 min

ISI - 3/4" blow slowly died back to 1/4"

FF - BOB 15 secs

FSI - 3" blow

Rec 313	Feet of GMCO	40 %gas	50 %oil	%water	10 %mud
Rec 111	Feet of OCM	%gas	10 %oil	%water	90 %mud
Rec	Feet of Gas to surface (TSTM)	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

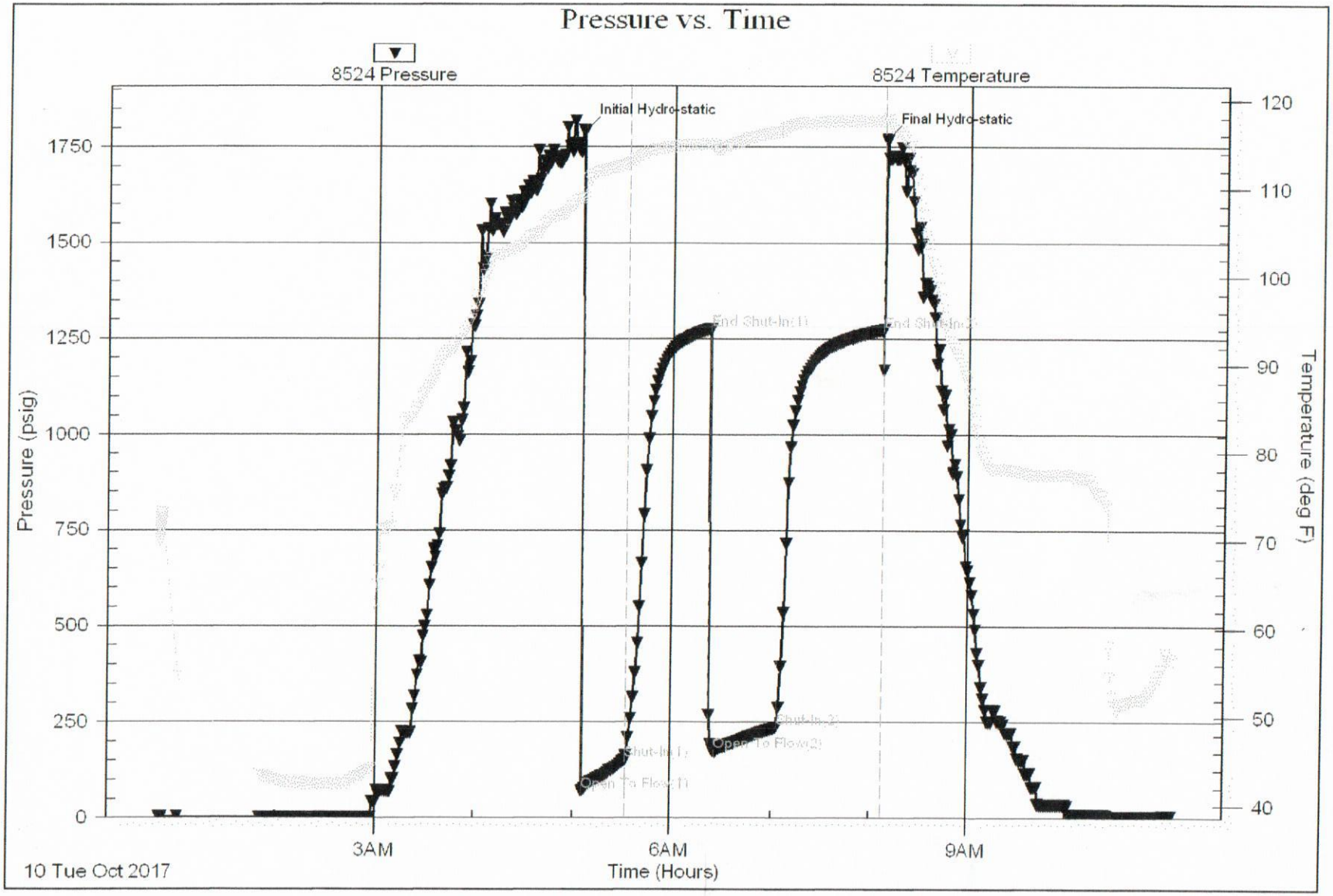
Rec Total 424 BHT 118° Gravity 30 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	1792	☒ Test		T-On Location	0043
(B) First Initial Flow	70	☐ Jars		T-Started	0048
(C) First Final Flow	152	☐ Safety Joint		T-Open	0504
(D) Initial Shut-In	1275	☐ Circ Sub		T-Pulled	0804
(E) Second Initial Flow	174	☐ Hourly Standby		T-Out	1104
(F) Second Final Flow	235	☒ Mileage	240 RT	Comments	
(G) Final Shut-In	1273	☐ Sampler			
(H) Final Hydrostatic	1770	☐ Straddle			
		☒ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	45	☐ Extra Recorder		☐ Extra Copies	
Final Flow	45	☐ Day Standby		Sub Total	
Final Shut-In	60	☐ Accessibility		Total	
		Sub Total		MP/DST Disc't	

Approved By _____ Our Representative Brannon Lonsdale

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Serial #: 8524 **Outside** Siroky Oil Management Stull #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 55393 Printed: 2017.10.10 @ 11:14:20

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sirokv Oil Management

PO Box 464
Pratt, KS 67124

ATTN: Pat Deenihan

21-27S-12W Pratt, KS

Stull #1

Job Ticket: 55394 **DST#: 2**

Test Start: 2017.10.10 @ 22:14:53

GENERAL INFORMATION:

Formation: LKC "H&I"

Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:22:44
Time Test Ended: 08:04:43

Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 73

Interval: 3853.00 ft (KB) To 3885.00 ft (KB) (TVD)
Total Depth: 3885.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1854.00 ft (KB)
1842.00 ft (CF)
KB to GR/CF: 12.00 ft

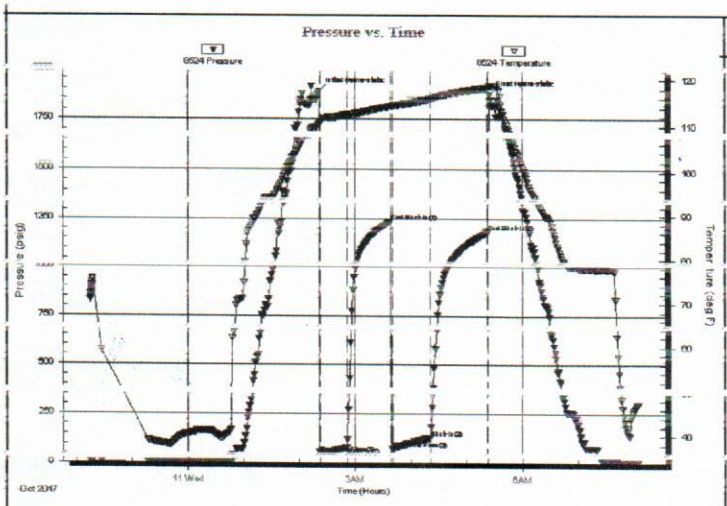
Serial #: 8524 **Outside**

Press@RunDepth: 124.60 psig @ 3854.00 ft (KB)
Start Date: 2017.10.10 End Date: 2017.10.11
Start Time: 22:14:53 End Time: 08:04:43

Capacity: 8000.00 psig
Last Calib.: 2017.10.11
Time On Btm: 2017.10.11 @ 02:21:29
Time Off Btm: 2017.10.11 @ 05:24:29

TEST COMMENT: IF- BOB 1

45- ISI- 1" blow slowly died back to .5"
45- FF- BOB 5secs
60- FSI- 6" blow slowly died back to 3"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1884.41	110.46	Initial Hydro-static
2	43.99	110.58	Open To Flow (1)
30	77.94	112.56	Shut-In(1)
77	1239.05	114.35	End Shut-In(1)
79	68.38	114.44	Open To Flow (2)
120	124.60	115.98	Shut-In(2)
182	1183.05	118.33	End Shut-In(2)
183	1870.55	118.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
218.00	GMCO, 40%G 20%M 40%O	1.63
0.00	Gas to surface(TSTM)	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 55394

Well Name & No. Fall #1 Test No. 2 Date 10/10/17

Company Sirocky Oil Management Elevation 1854 KB 1842 GL

Address PO Box 464 Pratt, KS 67124

Co. Rep / Geo. Pat Deenihan Rig Fossil #3

Location: Sec. 21 Twp. 27 S Rge. 12 W Co. Pratt State KS

Interval Tested 3853-3885 Zone Tested LKC "H&I"

Anchor Length 32' Drill Pipe Run 3731 Mud Wt. 8.9

Top Packer Depth 3848 Drill Collars Run 123 Vis 74

Bottom Packer Depth 3853 Wt. Pipe Run — WL 9.2

Total Depth 3885 Chlorides 4,000 ppm System LCM 3#

Blow Description IF- BOB 10secs

ISI- 1" blow slowly died back to 1/2"

FF- BOB 5secs

FSI- 6" blow slowly died back to 3"

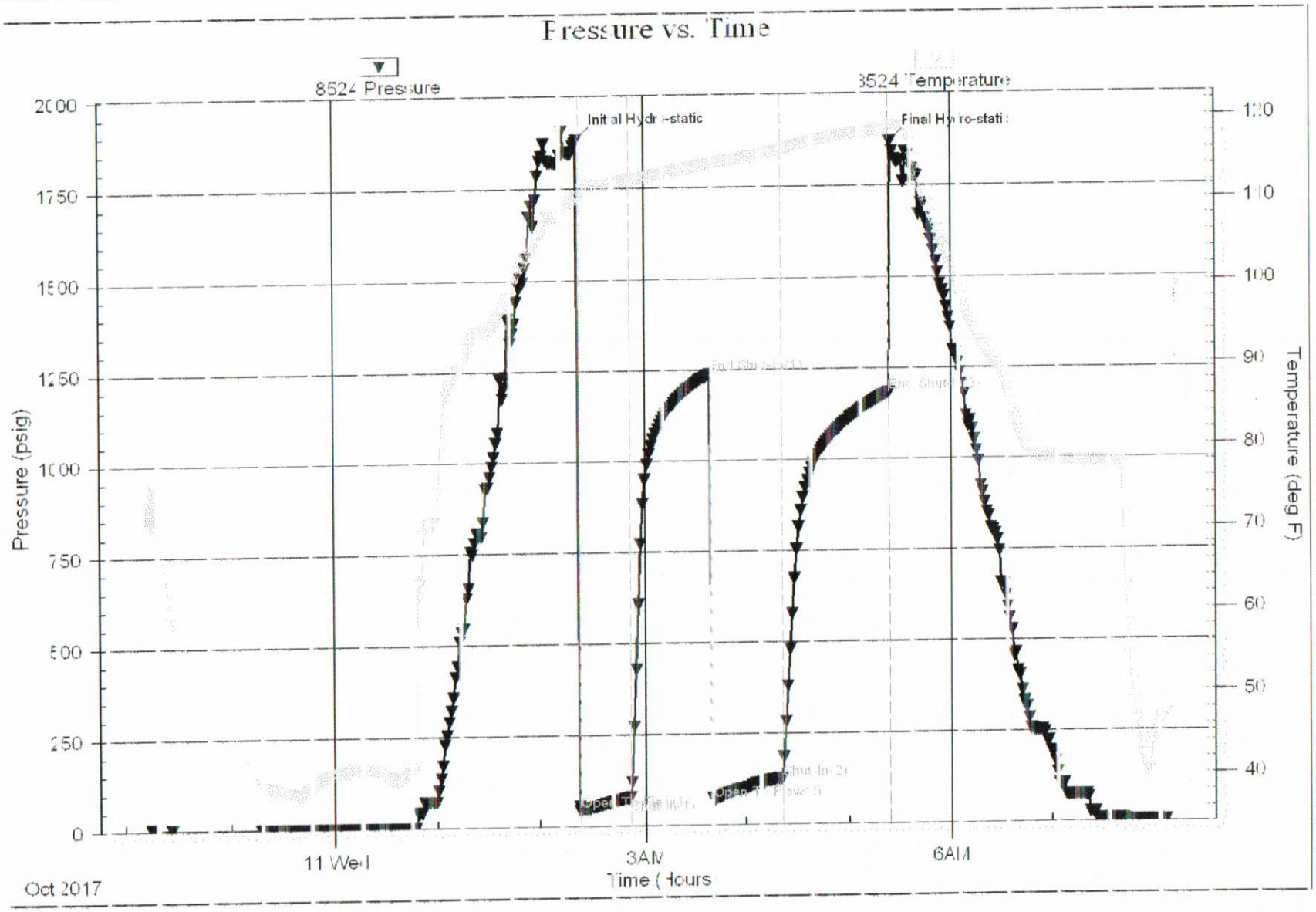
Rec 218	Feet of GMCO	40 %gas	40 %oil	%water	20 %mud
Rec	Feet of Gas to surface (TSTM)	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 218' BHT 118°~~126~~ Gravity 26 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	1884	☒ Test		T-On Location	2211
(B) First Initial Flow	44	☐ Jars		T-Started	2214
(C) First Final Flow	78	☐ Safety Joint		T-Open	0221
(D) Initial Shut-In	1239	☐ Circ Sub		T-Pulled	0521
(E) Second Initial Flow	68	☐ Hourly Standby		T-Out	0804
(F) Second Final Flow	125	☒ Mileage	240 RT	Comments	
(G) Final Shut-In	1183	☐ Sampler			
(H) Final Hydrostatic	1871	☐ Straddle		☐ Ruined Shale Packer	
		☒ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	45	☐ Extra Recorder		Sub Total	
Final Flow	45	☐ Day Standby		Total	
Final Shut-In	60	☐ Accessibility		MP/DST Disc't	
		Sub Total			

Approved By _____ Our Representative Brannan Lonsdale

Serial #: 8524 Outside Sinoky Oil Management Stull #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 55394 Printed: 2017.10.11 @ 08:11:47

DRILL STEM TEST REPORT

Siroky Oil Management

PO Box 464
Pratt, KS 67124

ATTN: Pat Deenihan

21-27S-12W Pratt, KS

Stull #1

Job Ticket: 55395 **DST#: 3**

Test Start: 2017.10.11 @ 16.24.20

GENERAL INFORMATION:

Formation: **LKC "J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:28:56
Time Test Ended: 01:05:40

Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 73

Interval: 3886.00 ft (KB) To 3920.00 ft (KB) (TVD)
Total Depth: 3920.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

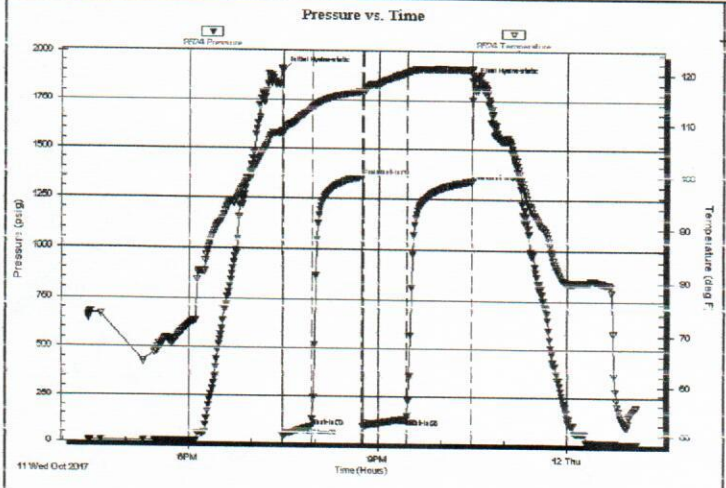
Reference Elevations: 1854.00 ft (KB)
1842.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8524 **Outside**

Press@RunDepth: [illegible] psig @ [illegible] ft (KB)
Start Date: 2017.10.11 End Date: 2017.10.12
Start Time: 16:24:20 End Time: 01:05:40

Capacity: [illegible] psig
Last Calib.: 2017.10.12
Time On Btm: 2017.10.11 @ 19:28:41
Time Off Btm: 2017.10.11 @ 22:29:41

TEST COMMENT: 30- IF- BOB 17mins
45- ISI- No blow
45- FF- BOB 13mins
60- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1904.98	108.68	Initial Hydro-static
1	35.98	108.10	Open To Flow (1)
28	88.61	113.08	Shut-In(1)
76	1360.09	116.54	End Shut-In(1)
77	93.52	116.45	Open To Flow (2)
118	132.71	120.16	Shut-In(2)
181	1338.79	120.93	End Shut-In(2)
181	1856.10	119.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
[illegible]	[illegible]	[illegible]
32.00	SOCM, 5%O 95%M	0.35

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 55395

Well Name & No. Stull #1 Test No. 3 Date 10/11/17

Company Sinoky Oil Management Elevation 1854 KB 1842 GL

Address PO Box 464 Pratt, KS 67124

Co. Rep / Geo. Pat Deenihan Rig Fossil #3

Location: Sec. 21 Twp. 27 S Rge. 12 W Co. Pratt State KS

Interval Tested 3886-3920 Zone Tested LKC "J"

Anchor Length 34' Drill Pipe Run 3763 Mud Wt. 8.7

Top Packer Depth 3881 Drill Collars Run 123 Vis 72

Bottom Packer Depth 3886 Wt. Pipe Run — WL 10.4

Total Depth 3920 Chlorides 6,000 ppm System LCM 3#

Blow Description IF- BOB 17mins

ISI- No blow

FF- BOB 13mins

FSI- No blow

Rec	186	Feet of	SOCMW	%gas		%oil	75	%water 20 %mud
Rec	32	Feet of	SOCM	%gas		%oil	5	%water 95 %mud
Rec		Feet of		%gas		%oil		%water %mud
Rec		Feet of		%gas		%oil		%water %mud
Rec		Feet of		%gas		%oil		%water %mud

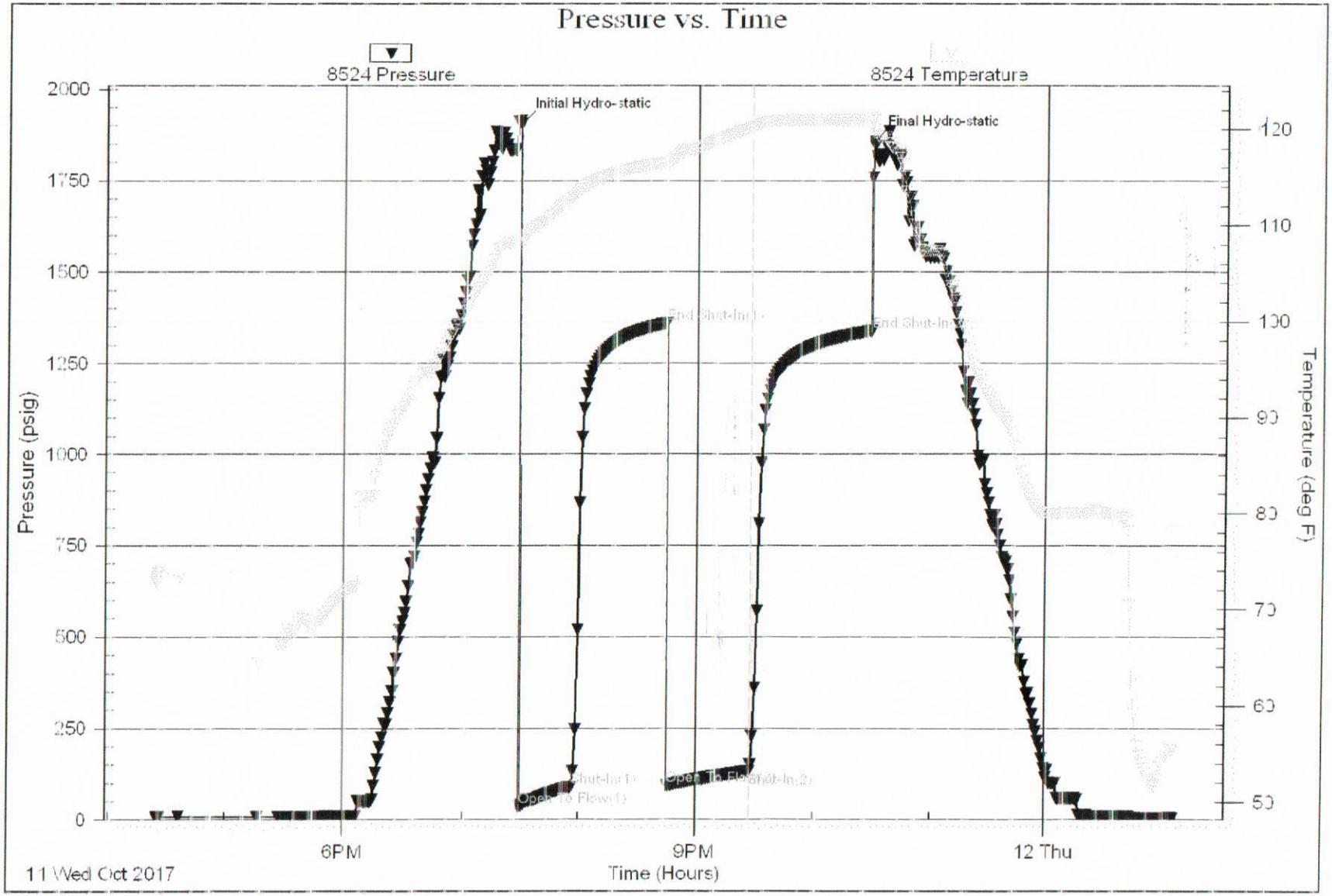
Rec Total 218' BHT 121° Gravity 30 API RW .07 @ 57 °F Chlorides 13,000 ppm

(A) Initial Hydrostatic	1905	☒ Test		T-On Location	1620
(B) First Initial Flow	36	☐ Jars		T-Started	1624
(C) First Final Flow	89	☐ Safety Joint		T-Open	1928
(D) Initial Shut-In	1360	☐ Circ Sub		T-Pulled	2228
(E) Second Initial Flow	94	☐ Hourly Standby		T-Out	9/12 0105
(F) Second Final Flow	133	☒ Mileage	240 RT	Comments	
(G) Final Shut-In	1339	☐ Sampler			
(H) Final Hydrostatic	1856	☐ Straddle			
		☒ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	45	☐ Extra Recorder		☐ Extra Copies	
Final Flow	45	☐ Day Standby		Sub Total	
Final Shut-In	60	☐ Accessibility		Total	
		Sub Total		MP/DST Disc't	

Approved By _____ Our Representative Brannan Lonsdale

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Serial #: 8524 Outside Siroky Oil Management Stull #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 55395 Printed: 2017.10.12 @ 01:13:18

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

PO Box 464
Pratt, KS 67124

Stull #1

Job Ticket: 55396 DST #: 1

GENERAL INFORMATION:

Formation: LKC "L"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:24:35
Time Test Ended: 02:23:19

Test Type: Conventional Bottom Hole (Reset)
Tester: Brennan Lonsdale
Unit No: 73

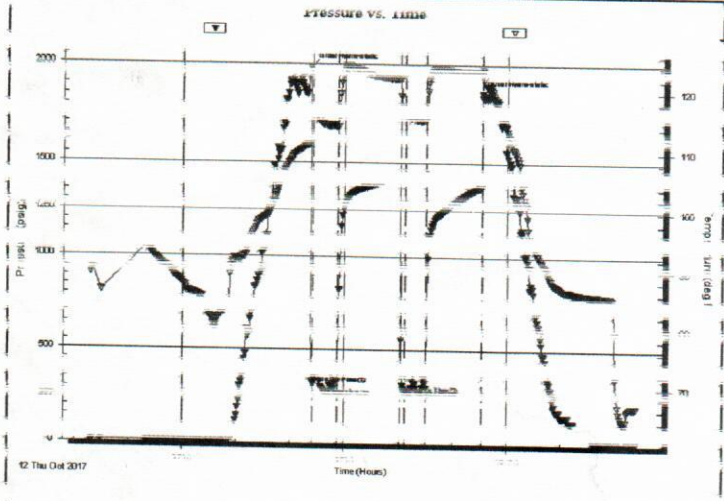
Interval: 3979.00 ft (MD) to 4042.00 ft (MD) (TVD)
Total Depth: 4042.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1854.00 ft (KB)
1842.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8524 **Outside**

Start Date: 2017.10.12 End Date: 2017.10.13 Last Calib.: 2017.10.13
Start Time: 16:17:44 End Time: 02:23:19 Time On Btm: 2017.10.12 @ 20:21:35
Time Off Btm: 2017.10.12 @ 23:32:35

TEST COMMENT: 30- IF- BOB instantly
60- ISI- No blow
30- FF- BOB instantly
60- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.21	111.54	Initial Hydro-static
3	218.36	116.53	Open To Flow (1)
31	253.92	114.11	Shut-In(1)
101	1421.86	122.15	End Shut-In(1)
106	268.82	116.03	Open To Flow (2)
129	301.10	115.24	Shut-In(2)
191	1372.41	123.35	End Shut-In(2)
191	1967.00	123.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
252.00	GOCM 15%G 10%O 75%M	2.37
32.00	M	0.35

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)
Last Gas Rate	1.00	200.00	6163.75
Max. Gas Rate	1.00	200.00	6163.75

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 55396

Well Name & No. Stull #1 Test No. 4 Date 10/12/17

Company Sirsky Oil Management Elevation 1854 KB 1842 GL

Address PO Box 464 Pratt, KS 67124

Co. Rep / Geo. Pat Deenihan Rig Fossil #3

Location: Sec. 21 Twp. 27 S Rge. 12 W Co. Pratt State KS

Interval Tested 3970-4042 Zone Tested LKC "L"

Anchor Length 72' Drill Pipe Run 3856 Mud Wt. 8.9

Top Packer Depth 3965 Drill Collars Run 123 Vis 53

Bottom Packer Depth 3970 Wt. Pipe Run — WL 9.6

Total Depth 4042 Chlorides 3000 ppm System LCM 2#

Blow Description IF- BOB instantly

ISI- No blow

FF- BOB instantly

FSI- No blow

Rec		Feet of	%gas	%oil	%water	%mud
Rec ~~80~~		Feet of ~~XX~~	%gas	%oil	%water	%mud
Rec 62		Feet of MCO	%gas 85	%oil	%water 15	%mud
Rec 252		Feet of GOCM	%gas 15	%oil 10	%water 75	%mud
Rec 32		Feet of M	%gas	%oil	%water	%mud

Rec Total 346' BHT 123° Gravity 34 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	1983	☒ Test	T-On Location 1508
(B) First Initial Flow	318	☐ Jars	T-Started 1617
(C) First Final Flow	254	☐ Safety Joint	T-Open 2021
(D) Initial Shut-In	1422	☐ Circ Sub	T-Pulled 2331
(E) Second Initial Flow	269	☐ Hourly Standby	T-Out 10/13 0223
(F) Second Final Flow	301	☒ Mileage 240 RT	Comments
(G) Final Shut-In	1372	☐ Sampler	
(H) Final Hydrostatic	1858	☐ Straddle	
		☒ Shale Packer	☐ Ruined Shale Packer
Initial Open	30	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In	70	☐ Extra Recorder	☐ Extra Copies
Final Flow	30	☐ Day Standby	Sub Total
Final Shut-In	60	☐ Accessibility	Total
		Sub Total	MP/DST Disc't

Approved By Our Representative Brannan Lonsdale

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

Smoky Oil Management — OPERATOR

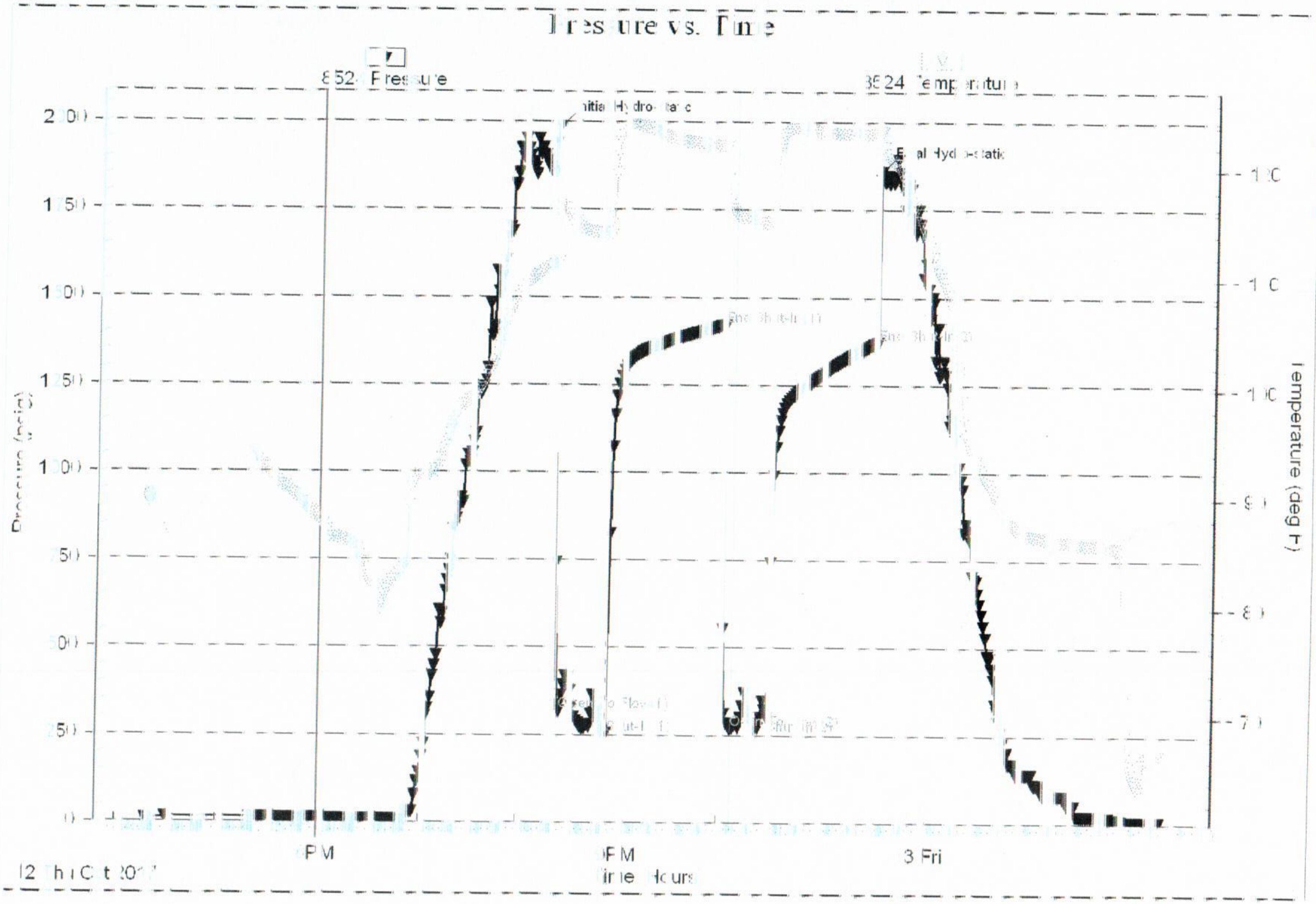
Stull #1 — WELL NAME AND NO.

4 — DST NO.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
30	200	1"	6,163,746	15	200	1"	6,163,746
				25	"	"	"

Remarks:

Serial #: 8524 Outside Stoky Oil Management Stu #1 DST Test Number: 4



Triobit Testing, Inc Ref. No: 5396 Printed: 2011.10.13

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Siroky Oil Management

PO Box 464
Pratt, KS 67124

ATTN: Pat Deenihan

21 27S 12W Pratt, KS

Stull #1

Job Ticket: 55397 **DST#: 5**

Test Start: 2017.10.13 @ 16:32:35

GENERAL INFORMATION:

Formation: **Pleasanton & Marmato**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:16:26
Time Test Ended: 23:32:41

Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 73

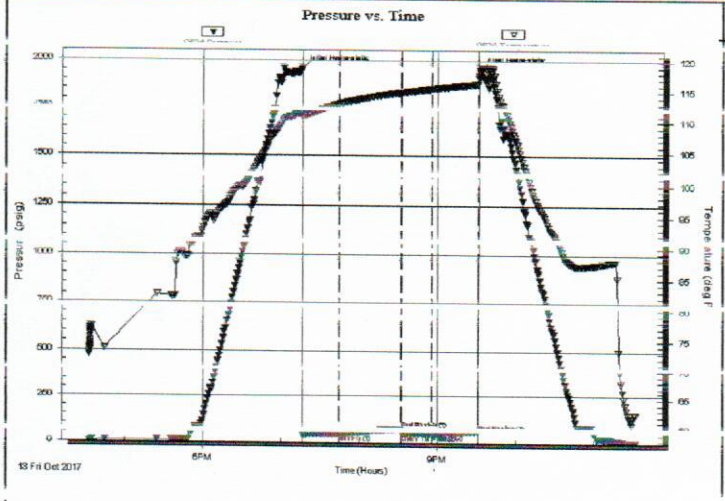
Interval: 4042.00 ft (KB) To 4115.00 ft (KB) (TVD)
Total Depth: 4115.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1854.00 ft (KB)
1842.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8524 **Outside**

Start Date: 2017.10.13 End Date: 2017.10.13 Last Calib.: 2017.10.13
Start Time: 16:32:35 End Time: 23:32:41 Time On Btm: 2017.10.13 @ 19:16:11
Time Off Btm: 2017.10.13 @ 21:32:41

TEST COMMENT: 30- IF- 1" blow throughout
45- ISI- No blow
30- FF- Very weak surface blow died in 1min
30- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.59	111.49	Initial Hydro-static
1	38.62	110.78	Open To Flow (1)
29	43.70	112.97	Shut-In(1)
76	72.00	114.85	End Shut-In(1)
77	44.79	114.87	Open To Flow (2)
100	47.50	115.46	Shut-In(2)
136	58.54	116.23	End Shut-In(2)
137	1954.19	118.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 55397

Well Name & No. Stull #1 Test No. 5 Date 10/13/17

Company Sirocky Oil Management Elevation 1854 KB 1842 GL

Address PO Box 464 Pratt, KS 67124

Co. Rep / Geo. Pat Deenihan Rig Fossil #3

Location: Sec. 21 Twp. 27 S Rge. 12 W Co. Pratt State KS

Interval Tested 4042-4115 Zone Tested Pleasanton + Marmaton

Anchor Length 73' Drill Pipe Run 3919 Mud Wt. 8.9

Top Packer Depth 4037 Drill Collars Run 123 Vis 45

Bottom Packer Depth 4042 Wt. Pipe Run — WL 10.4

Total Depth 4115 Chlorides 7,000 ppm System LCM 4#

Blow Description IF- 1" blow throughout

ISI- No blow

FF- Very weak surface blow died in 1 min

FSI- No blow

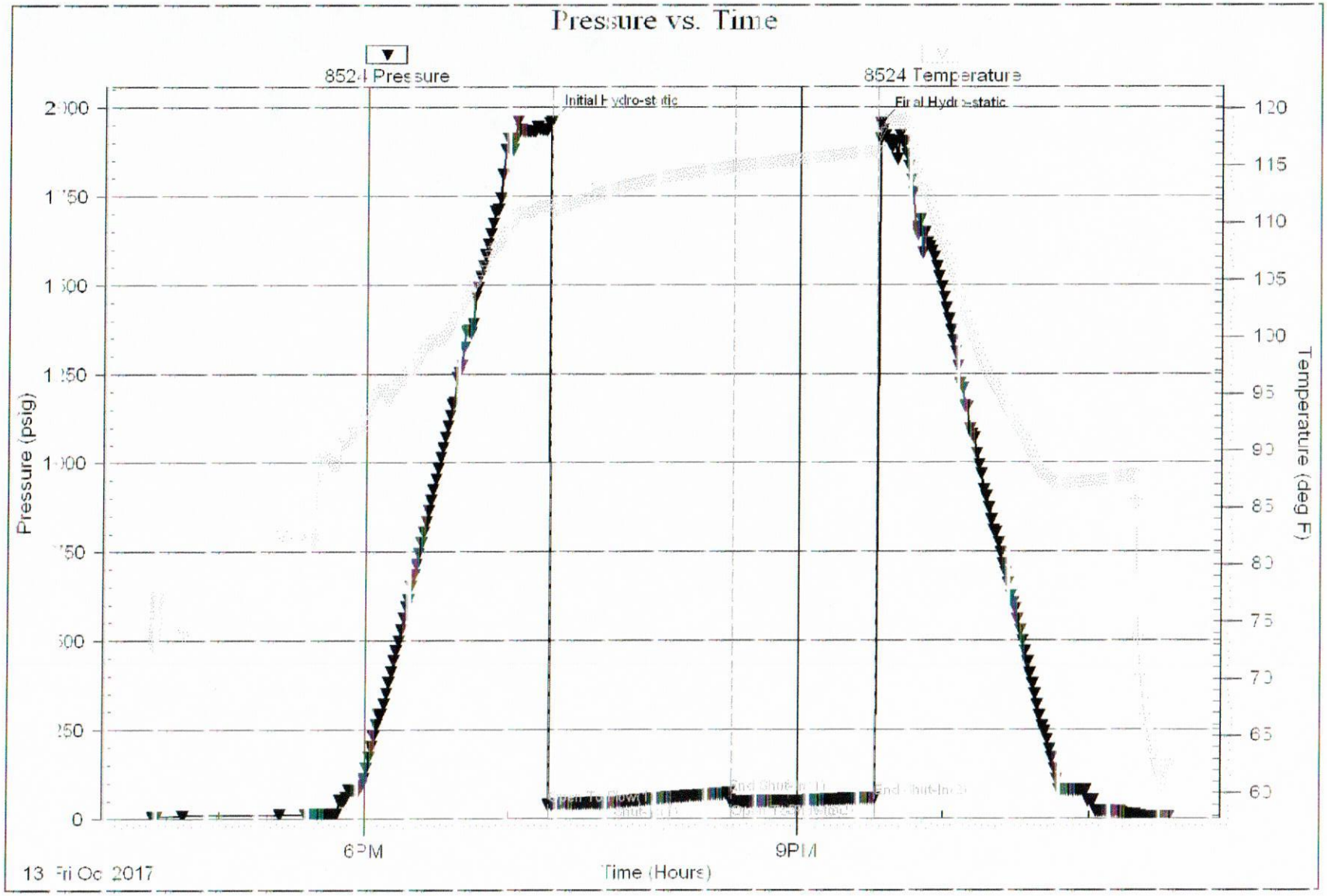
Rec 30	Feet of M	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30' BHT 116° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1960	☒ Test	T-On Location 1626
(B) First Initial Flow 39	☐ Jars	T-Started 1632
(C) First Final Flow 44	☐ Safety Joint	T-Open 1916
(D) Initial Shut-In 72	☐ Circ Sub	T-Pulled 2131
(E) Second Initial Flow 45	☐ Hourly Standby	T-Out 2332
(F) Second Final Flow 48	☒ Mileage 240 RT	Comments
(G) Final Shut-In 59	☐ Sampler	
(H) Final Hydrostatic 1954	☐ Straddle	☐ Ruined Shale Packer
	☒ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 45	☐ Extra Recorder	Sub Total
Final Flow 30	☐ Day Standby	Total
Final Shut-In 30	☐ Accessibility	MP/DST Disc't
	Sub Total	

Approved By _____ Our Representative Brannon Longdale

Serial #: 8524 Outside Slinky Oil Management Stull #1 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 5397 Printed: 2017.10.13 @ 13:41:06

BASIC ENERGY SERVICES

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1003821	1718	10/20/2017

INVOICE NUMBER

92549254

Pratt (620) 672-1201

BILL TO
SIROKY OIL MANAGEMENT
PO Box: 464
PRATT
KS US 67124

ATTN: ACCOUNTS PAYABLE

JOB SITE

LEASE NAME	Stull #1
LOCATION	
COUNTY	Pratt
STATE	KS
JOB DESCRIPTION	Cement-New Well Casing/Pi
JOB CONTACT	

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41063734	78868		Net - 30 days	11/19/2017

For Service Dates: 10/17/2017 to 10/17/2017

0041063734

171816076A Cement-New Well Casing/Pi 10/17/2017
Cement-5 1/2" Long String

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
AA2 Cement	175.00	EA		
60/40 POZ	50.00	EA		
Celloflake	44.00	EA		
Salt	883.00	EA		
FLA-322	132.00	EA		
Gilsonite	877.00	EA		
Cement Gel	84.00	EA		
Mag Chem 10CR	495.00	EA		
Gypsum	825.00	EA		
"Auto Fill Float Shoe 5 1/2"" (Blue)"	1.00	EA		
"Latch Down Plug & Baffle, 5 1/2"" (Blu	1.00	EA		
"5 1/2"" Basket (Blue)"	1.00	EA		
"Turbolizer, 5 1/2"" (Blue)"	12.00	EA		
Mud Flush	500.00	EA		
Claymax KCL Substitute	1.00	EA		
"Unit Mileage Chg (PU, cars one way)"	10.00	MI		
Heavy Equipment Mileage	20.00	MI		
104 Prop & Bulk Del.Chg per ton mil	1.00	EA		
Depth Charge; 4001'-5000'	1.00	EA		
Blending & Mixing Service Charge	225.00	BAG		
"Service Supervisor, first 8 hrs on loc.	1.00	EA		
Plug Container Util. Chg.	1.00	EA		

PAID

ENTERED
NOV 0 2 2017
BY:

PLEASE REMIT TO:

BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES,LP
801 CHERRY ST, STE 2100
FORT WORTH, TX 76102

SUB TOTAL
TAX
INVOICE TOTAL

BASIC energy services, L.P.

TREATMENT REPORT

Customer: SIROKY OIL MNGMT.	Lease No.	Date: 10-16-17 / 10-16-2017	
Lease: STULL	Well #: 1		
Field Order #: 16076	Station: PRATT, KS.	Casing: 5 1/2"	Depth: 4555'
County: PRATT	State: KS		
Type Job: CNW - 5 1/2" L.S.	Formation	Legal Description: 21-27S-12W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5.5	Tubing Size	Shots/Ft	CMT -	Acid: 175 SK AA2	RATE	PRESS	ISIP
Depth: 4501'	Depth	From	To	Pre Pad: 15# / GAL	Max		5 Min.
Volume: 107 BBL	Volume	From	To	Pad	Min		10 Min.
Max Press: 1500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 4439'	Packer Depth	From	To	Flush: 106 BBL	Gas Volume		Total Load

Customer Representative: BRYAN SIROKY | Station Manager: J. WESTERMAN | Treater: K. LESLEY / D. SCOTT

Service Units	788608	84980	20920	19889	19860						
Driver Names	LESLEY	McGRAW	—	COBB	—	SCOTTY					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00PM					ON LOCATION - SAFETY MEETING
					RUN JTS. 5 1/2" X 15.5# CSG
					CENT - 1,10,11,12,13,14,15,16,17,18,19,20
					BASKET - 1
1:15PM					CSG. ON BOTTOM - BREAK CIRC.. W/ RIG
1:00AM					CIRC. FOR 2 HR W/ MUD / TRUCK BROKE DOWN
1:15AM	500		24	5	KCL H2O AHEAD
1:19AM	500		12	5	MUD FLUSH
1:30AM	500		5	5	H2O SPACER
1:21AM	500		0	5	MIX CMT @ 15 PPG
1:29AM	300		46	5	SHUT DOWN / CLEAR PUMP & LINE
1:30AM	0		0	6	DROP PLUG / START DISPLACEMENT
1:45AM	200		62	5	LIFT PRESSURE
1:50AM	500		15	4	SLOW RATE
2:00AM	1500		106	3.5	PLUG DOWN - HELD
2:20AM			7,5		PLUG R.H. & M.H.
					CIRC. THRU JOB
					JOB COMPLETE,
					THANKS -
					KELLEN / LESLEY

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

BASIC ENERGY SERVICES

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1003821	1718	10/09/2017

INVOICE NUMBER
92538465

Pratt (620) 672-1201

BILL TO
SIROKY OIL MANAGEMENT
PO Box: 464
PRATT
KS US 67124
ATTN: ACCOUNTS PAYABLE

JOB SITE
LEASE NAME Stull #1
LOCATION
COUNTY Pratt
STATE KS
JOB DESCRIPTION Cement-New Well Casing/Pi
JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41060949	86779		Net - 30 days	11/08/2017

For Service Dates: 10/06/2017 to 10/06/2017

0041060949

171813992A Cement-New Well Casing/Pi 10/06/2017
Cement-10 3/4" Surface Casing

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Common Cement	300.00	EA		
Celloflake	75.00	EA		
Calcium Chloride	846.00	EA		
"Unit Mileage Chg (PU, cars one way)"	10.00	MI		
Heavy Equipment Mileage	20.00	MI		
Proppant & Bulk Del. Chgs., per ton mil	141.00	EA		
Depth Charge; 0-500'	1.00	EA		
Blending & Mixing Service Charge	300.00	BAG		
"Service Supervisor, first 8 hrs on loc.	1.00	EA		

PAID 11/2/17

PLEASE REMIT TO:
BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
BASIC ENERGY SERVICES,LP
801 CHERRY ST, STE 2100
FORT WORTH, TX 76102

SUB TOTAL
TAX
INVOICE TOTAL

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Sooky Oil Mayna	Lease No.	Date: 10/6/17	
Lease: Stull	Well #: 1		
Field Order #: 13997 A	Station: Pratt	Casing: 10 3/4	Depth: 339
County: Pratt	State: KS		
Type Job: 10 3/4 Surface Pipe	Formation	Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED
Casing Size: 10 3/4	Tubing Size	Shots/Ft		Acid
Depth: 339	Depth	From	To	Pre Pad
Volume	Volume	From	To	Pad
Max Press	Max Press	From	To	Frac
Well Connection	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	Flush

TREATMENT RESUME		
RATE	PRESS	ISIP
Max		5 Min.
Min		10 Min.
Avg		15 Min.
HHP Used		Annulus Pressure
Gas Volume		Total Load

Customer Representative: Rick

Station Manager: Justin Christensen

Treater: Scott Graves

Service Units	35750	51775	25982	19559	19560						
Driver Names											

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10'15	10/5/17				On location Safety Meeting Rig up
5:00					Break Circulation
5:19	150			4	Pump 1120 Spacer
5:20	150		3	4	Start Cement 300sks 3%cc Cummon
5:37	100		65	4	Start Displacement
5:45	200		32.7	0	Shut down
					Cement did not Circulate
6:40					Top Cement at 6'
					Job Complete

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	Stull #1-21		
API:	15-151-22464-00-00		
Location:	Sec: 21-27S-12W		
License Number:	3959	**Region:**	Pratt County, KS.
Spud Date:	10/05/2017	**Drilling Completed:**	10/16/2017
Surface Coordinates:	NW-NW-NE 330' FNL & 2310' FEL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	1842'	**K.B. Elevation (ft):**	1854'
Logged Interval (ft):	2600' To: 4557'	**Total Depth (ft):**	4557'
Formation:	Arbuckle		
Type of Drilling Fluid:	Polymer/Chemical		

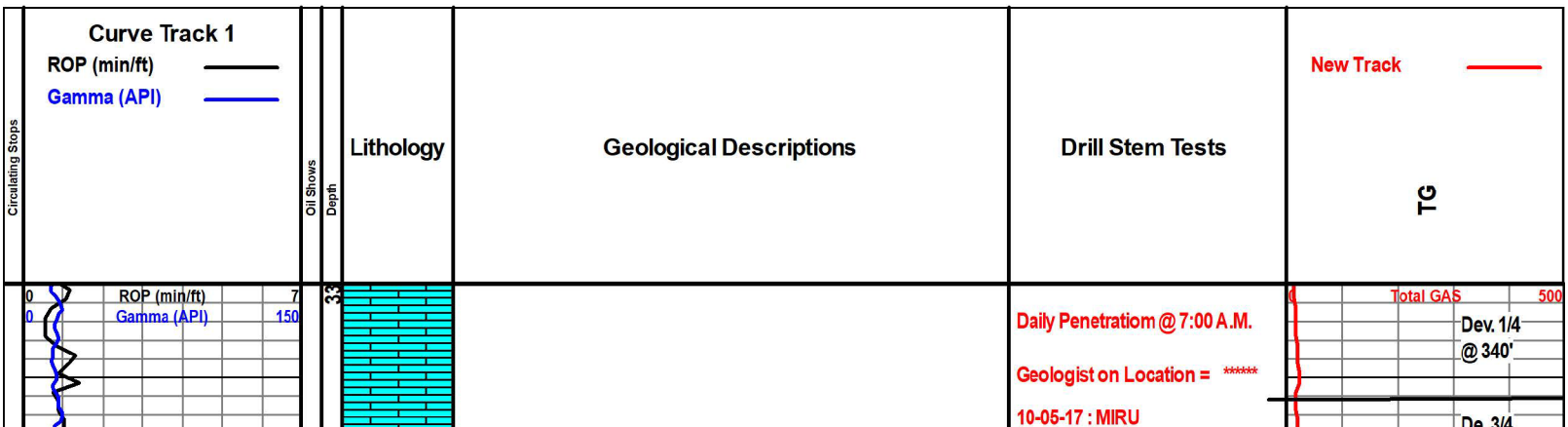
Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

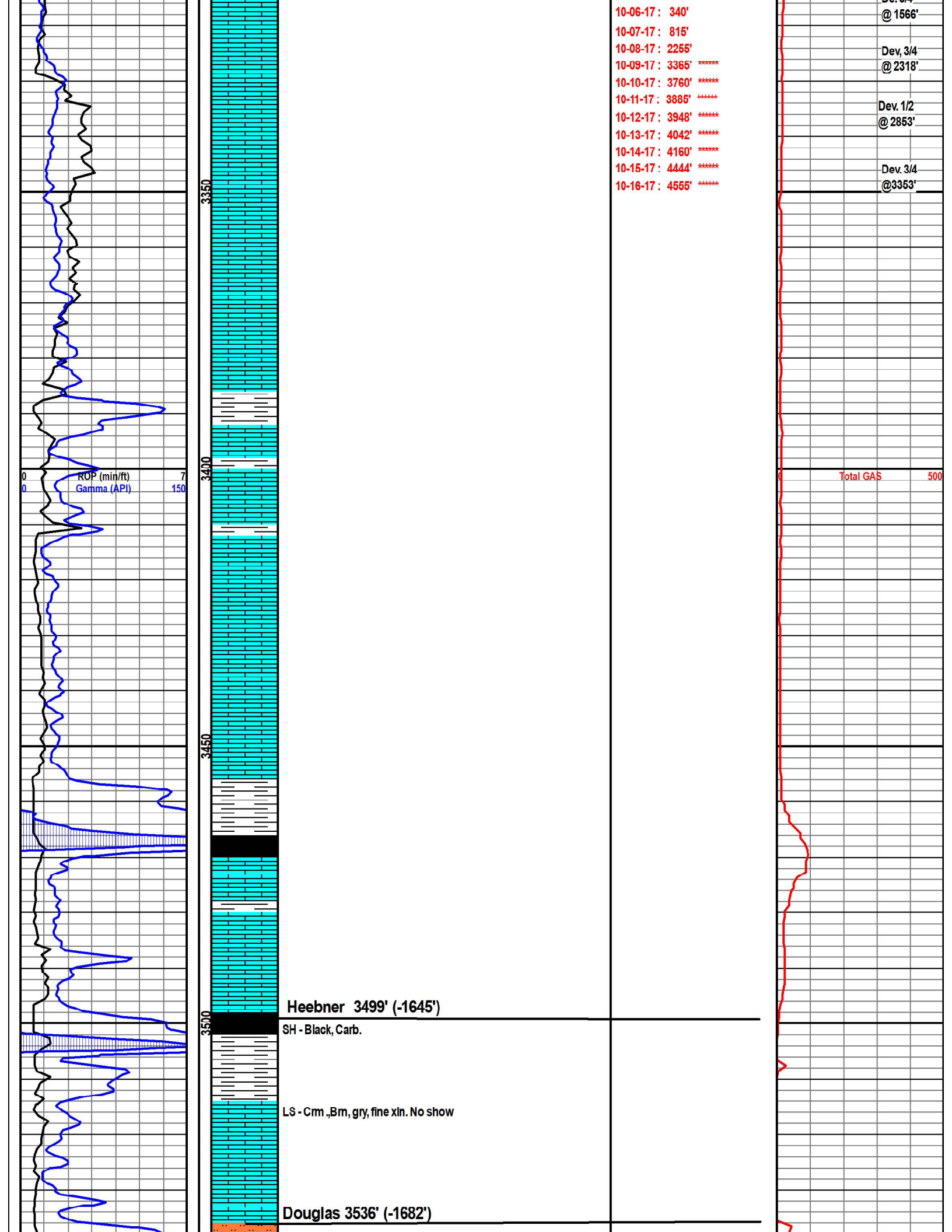
OPERATOR

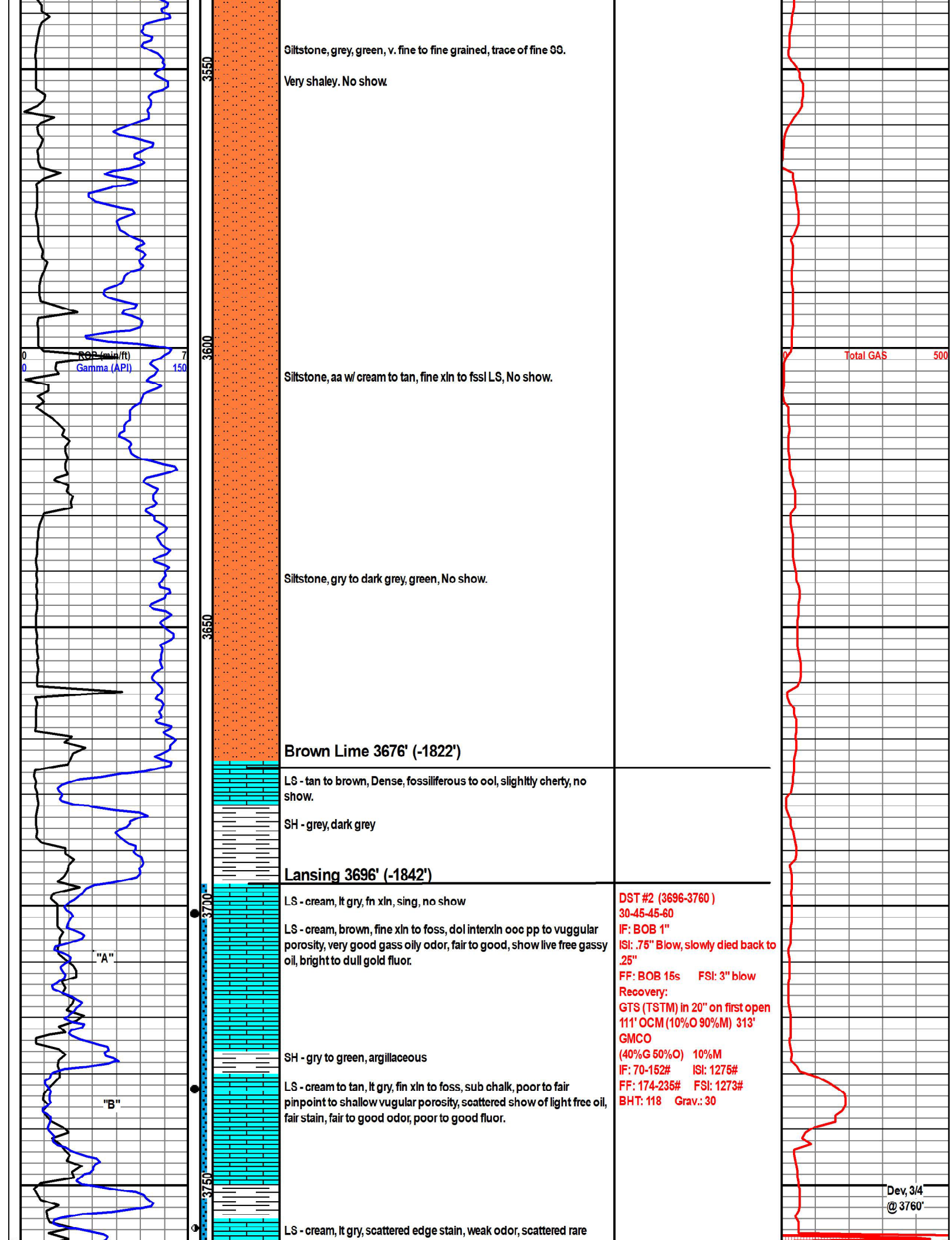
Company: Siroky Oil Management, Inc.
Address: P.O. Box464
Pratt, KS. 67124-0464

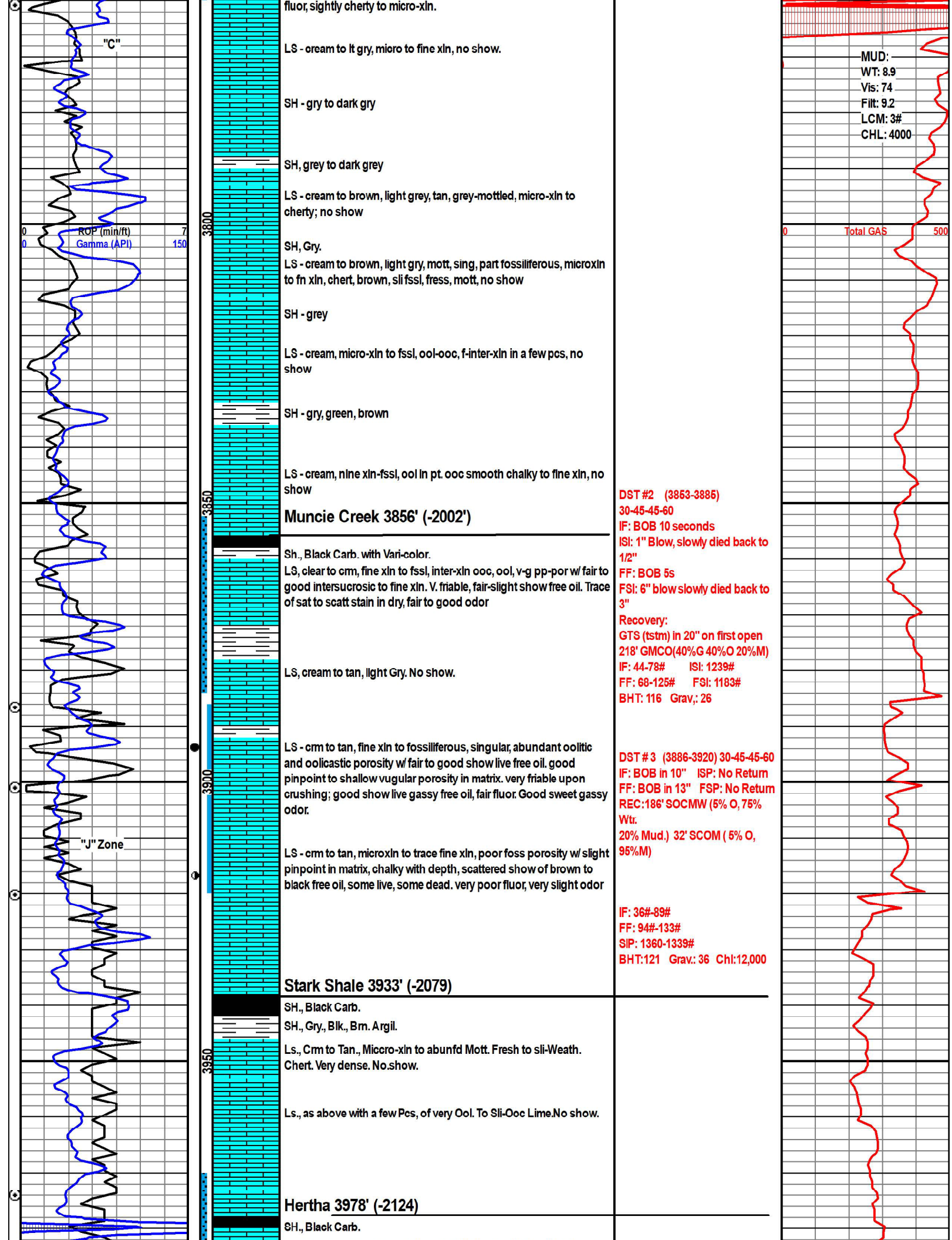
GEOLOGIST

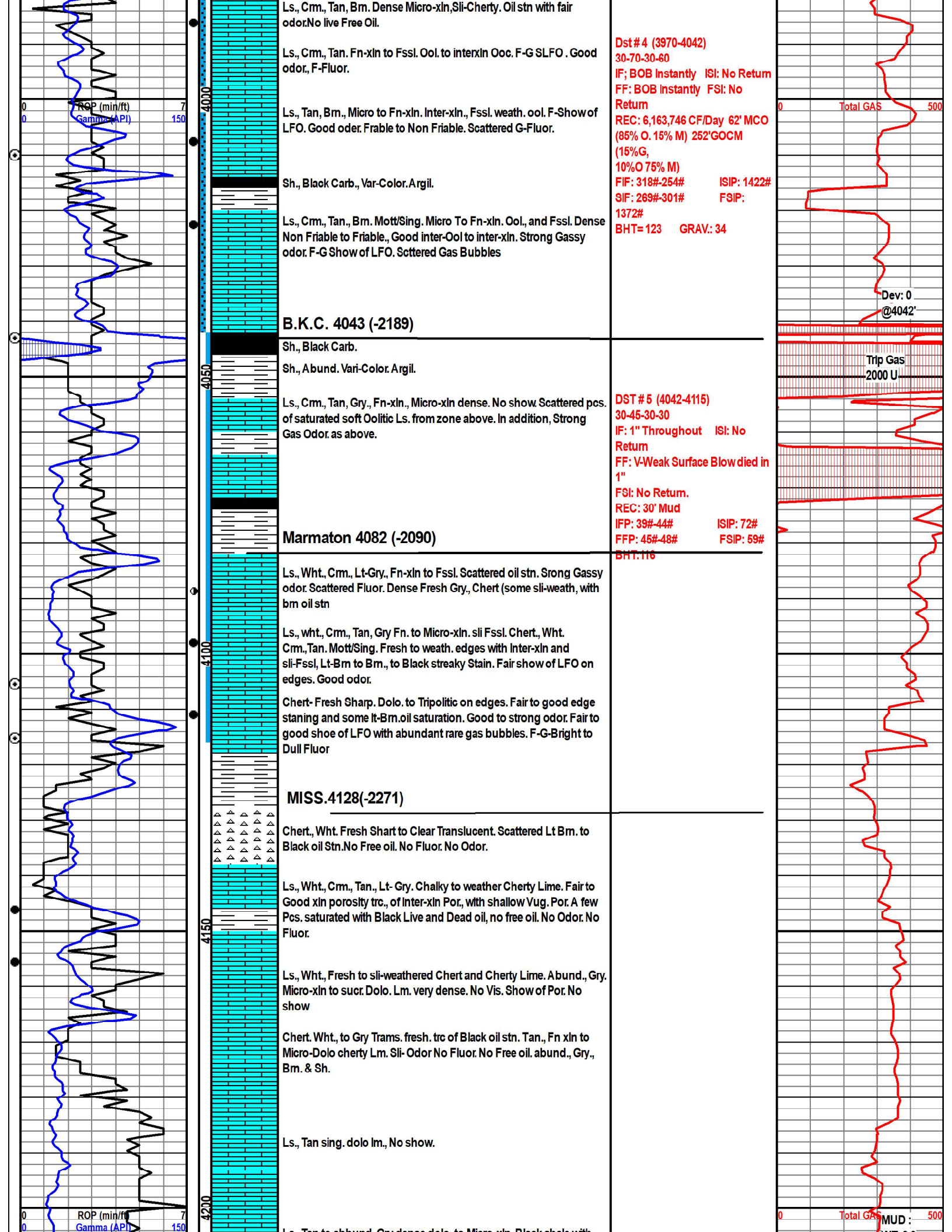
Name: Patrick J. Deenihan
Company: Independant Consultant
Address: 1407 N. Stratford Ln.
Wichita, KS. 67206

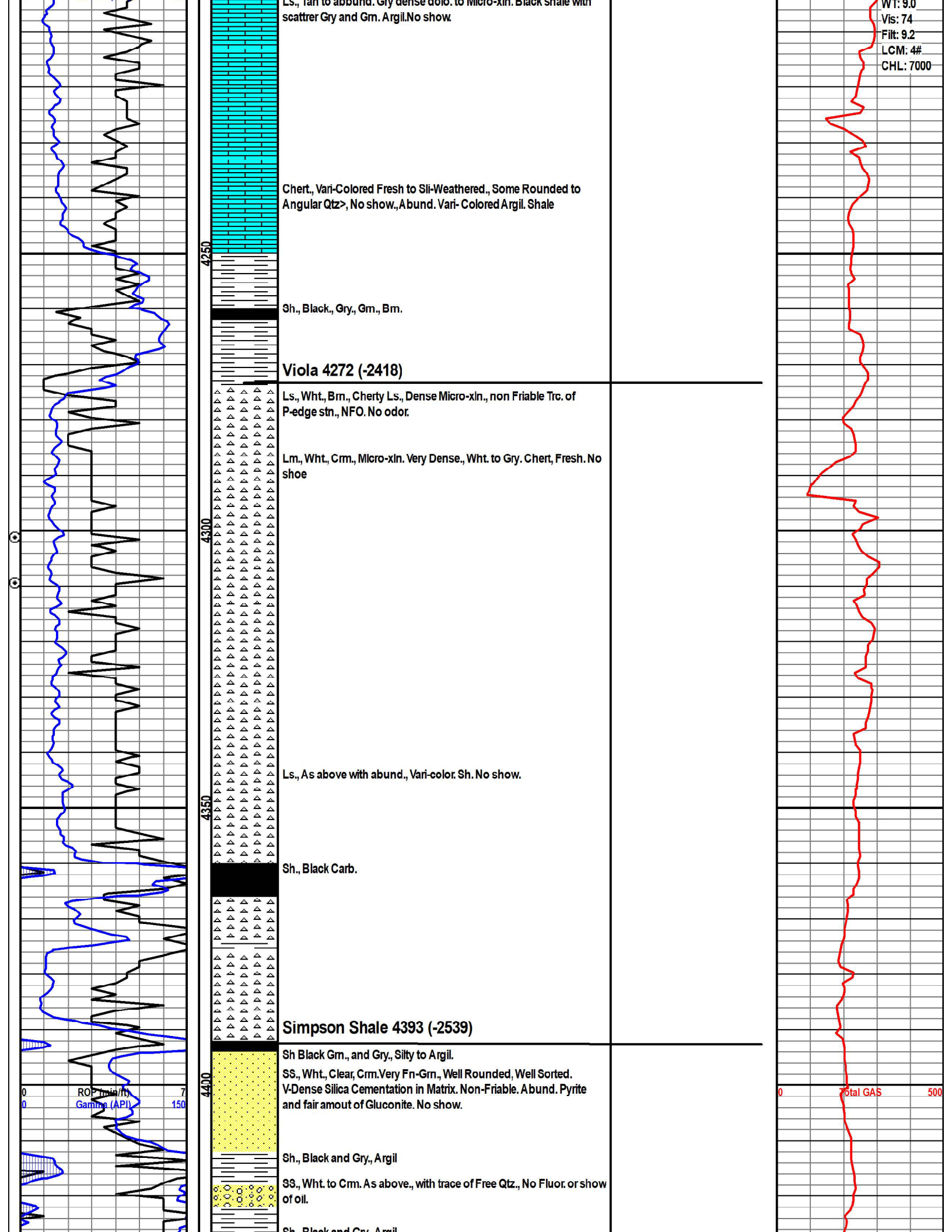


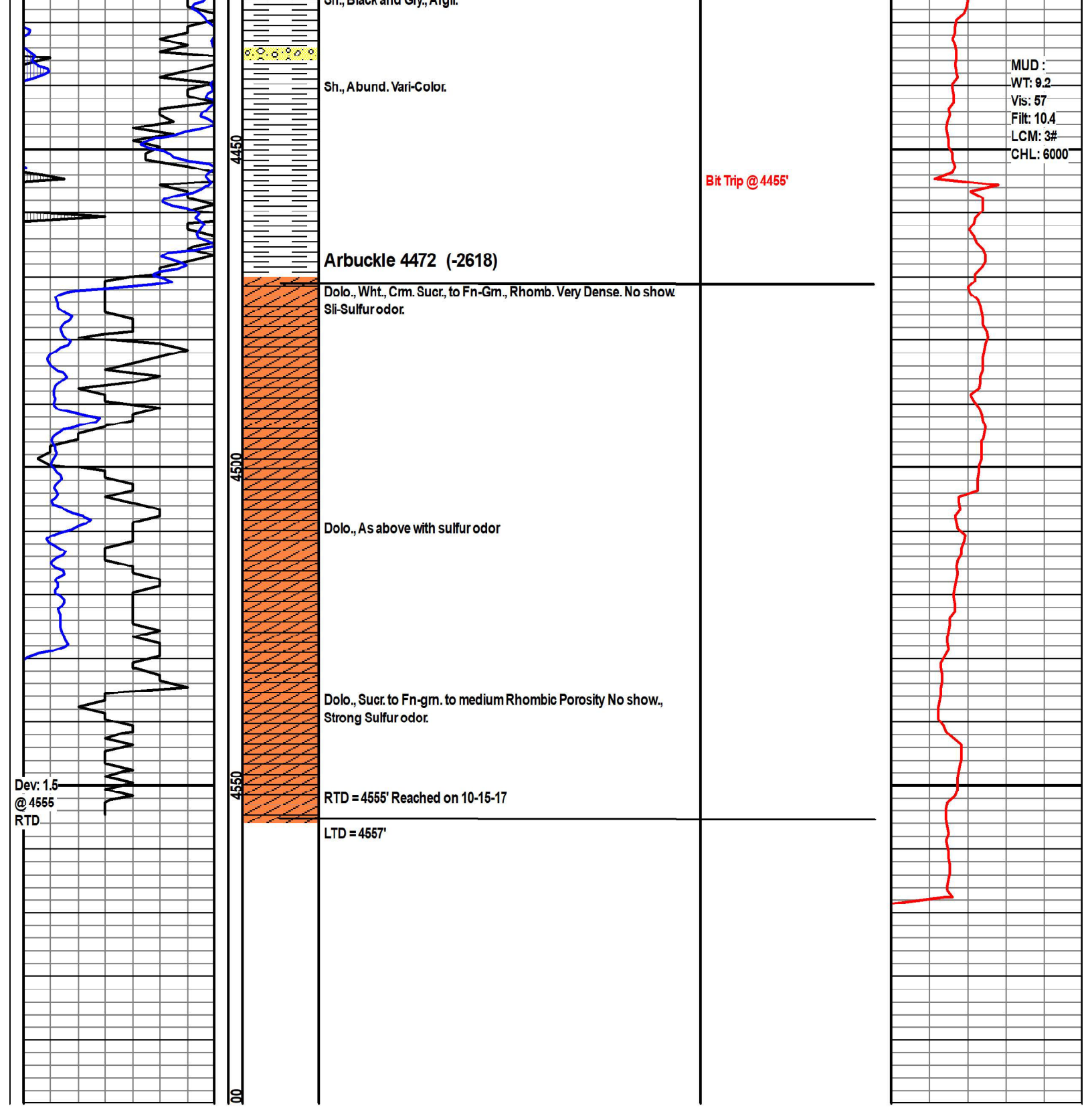

10-06-17 : 340'
10-07-17 : 815'
10-08-17 : 2255'
10-09-17 : 3365' ******
10-10-17 : 3760' ******
10-11-17 : 3885' ******
10-12-17 : 3948' ******
10-13-17 : 4042' ******
10-14-17 : 4160' ******
10-15-17 : 4444' ******
10-16-17 : 4555' ******
Dev, 3/4 @ 1566'
Dev, 3/4 @ 2318'
Dev. 1/2 @ 2853'
Dev. 3/4 @3353'
3350
3400
3450
3500
0 ROP (min/ft) 7
0 Gamma (API) 150
0 Total GAS 500
Heebner 3499' (-1645')
SH - Black, Carb.
LS - Crm „Brn, gry, fine xln. No show
Douglas 3536' (-1682')


0 ROP (min/ft) 7
0 Gamma (API) 150
0 Total GAS 500
3550
3600
3650
3700
3750
"A"
"B"
Siltstone, grey, green, v. fine to fine grained, trace of fine SS.
Very shaley. No show.
Siltstone, aa w/ cream to tan, fine xln to fssl LS, No show.
Siltstone, gry to dark grey, green, No show.
Brown Lime 3676' (-1822')
LS - tan to brown, Dense, fossiliferous to ool, slighltly cherty, no show.
SH - grey, dark grey
Lansing 3696' (-1842')
LS - cream, lt gry, fn xln, sing, no show
LS - cream, brown, fine xln to foss, dol interxln ooc pp to vuggular porosity, very good gass oily odor, fair to good, show live free gassy oil, bright to dull gold fluor.
SH - gry to green, argillaceous
LS - cream to tan, lt gry, fin xln to foss, sub chalk, poor to fair pinpoint to shallow vugular porosity, scattered show of light free oil, fair stain, fair to good odor, poor to good fluor.
LS - cream, lt gry, scattered edge stain, weak odor, scattered rare
DST #2 (3696-3760)
30-45-45-60
IF: BOB 1"
ISI: .75" Blow, slowly died back to .25"
FF: BOB 15s FSI: 3" blow
Recovery:
GTS (TSTM) in 20" on first open
111' OCM (10%O 90%M) 313'
GMCO
(40%G 50%O) 10%M
IF: 70-152# ISI: 1275#
FF: 174-235# FSI: 1273#
BHT: 118 Grav.: 30
Dev, 3/4
@ 3760'


"C"
0 ROP (min/ft) 7
0 Gamma (API) 150
"J" Zone
3800
3850
3900
3950
fluor, sightly cherty to micro-xln.
LS - cream to lt gry, micro to fine xln, no show.
SH - gry to dark gry
SH, grey to dark grey
LS - cream to brown, light grey, tan, grey-mottled, micro-xln to cherty; no show
SH, Gry.
LS - cream to brown, light gry, mott, sing, part fossiliferous, microxln to fn xln, chert, brown, sli fssl, fress, mott, no show
SH - grey
LS - cream, micro-xln to fssl, ool-ooc, f-inter-xln in a few pcs, no show
SH - gry, green, brown
LS - cream, nine xln-fssl, ool in pt. ooc smooth chalky to fine xln, no show
Muncie Creek 3856' (-2002')
Sh., Black Carb. with Vari-color.
LS, clear to crm, fine xln to fssl, inter-xln ooc, ool, v-g pp-por w/ fair to good intersucrosic to fine xln. V. friable, fair-slight show free oil. Trace of sat to scatt stain in dry, fair to good odor
LS, cream to tan, light Gry. No show.
LS - crm to tan, fine xln to fossiliferous, singular, abundant oolitic and oolicastic porosity w/ fair to good show live free oil. good pinpoint to shallow vugular porosity in matrix. very friable upon crushing; good show live gassy free oil, fair fluor. Good sweet gassy odor.
LS - crm to tan, microxln to trace fine xln, poor foss porosity w/ slight pinpoint in matrix, chalky with depth, scattered show of brown to black free oil, some live, some dead. very poor fluor, very slight odor
Stark Shale 3933' (-2079)
SH., Black Carb.
SH., Gry., Blk., Brn. Argil.
Ls., Crm to Tan., Miccro-xln to abunfd Mott. Fresh to sli-Weath. Chert. Very dense. No.show.
Ls., as above with a few Pcs, of very Ool. To Sli-Ooc Lime.No show.
Hertha 3978' (-2124)
SH., Black Carb.
DST #2 (3853-3885)
30-45-45-60
IF: BOB 10 seconds
ISI: 1" Blow, slowly died back to 1/2"
FF: BOB 5s
FSI: 6" blow slowly died back to 3"
Recovery:
GTS (tstm) in 20" on first open
218' GMCO(40%G 40%O 20%M)
IF: 44-78# ISI: 1239#
FF: 68-125# FSI: 1183#
BHT: 116 Grav,: 26
DST # 3 (3886-3920) 30-45-45-60
IF: BOB in 10" ISP: No Return
FF: BOB in 13" FSP: No Return
REC:186' SOCMW (5% O, 75% Wtr.
20% Mud.) 32' SCOM (5% O, 95%M)
IF: 36#-89#
FF: 94#-133#
SIP: 1360-1339#
BHT:121 Grav.: 36 Chl:12,000
MUD:
WT: 8.9
Vis: 74
Filt: 9.2
LCM: 3#
CHL: 4000
0 Total GAS 500


0
ROP (min/ft)
7
0
Gamma (API)
150
4000
4050
4100
4150
4200
Ls., Crm., Tan, Brn. Dense Micro-xln,Sli-Cherty. Oil stn with fair odor.No live Free Oil.
Ls., Crm., Tan. Fn-xln to Fssl. Ool. to interxln Ooc. F-G SLFO . Good odor., F-Fluor.
Ls., Tan, Brn., Micro to Fn-xln. Inter-xln., Fssl. weath. ool. F-Show of LFO. Good oder. Frable to Non Friable. Scattered G-Fluor.
Sh., Black Carb., Var-Color. Argil.
Ls., Crm., Tan., Brn. Mott/Sing. Micro To Fn-xln. Ool., and Fssl. Dense Non Friable to Friable., Good inter-Ool to inter-xln. Strong Gassy odor. F-G Show of LFO. Scttered Gas Bubbles
B.K.C. 4043 (-2189)
Sh., Black Carb.
Sh., Abund. Vari-Color. Argil.
Ls., Crm., Tan, Gry., Fn-xln., Micro-xln dense. No show. Scattered pcs. of saturated soft Oolitic Ls. from zone above. In addition, Strong Gas Odor. as above.
Marmaton 4082 (-2090)
Ls., Wht., Crm., Lt-Gry., Fn-xln to Fssl. Scattered oil stn. Srong Gassy odor. Scattered Fluor. Dense Fresh Gry., Chert (some sli-weath, with brn oil stn
Ls., wht., Crm., Tan, Gry Fn. to Micro-xln. sli Fssl. Chert., Wht. Crm.,Tan. Mott/Sing. Fresh to weath. edges with Inter-xln and sli-Fssl, Lt-Brn to Brn., to Black streaky Stain. Fair show of LFO on edges. Good odor.
Chert- Fresh Sharp. Dolo. to Tripolitic on edges. Fair to good edge staning and some lt-Brn.oil saturation. Good to strong odor. Fair to good shoe of LFO with abundant rare gas bubbles. F-G-Bright to Dull Fluor
MISS.4128(-2271)
Chert., Wht. Fresh Shart to Clear Translucent. Scattered Lt Brn. to Black oil Stn.No Free oil. No Fluor. No Odor.
Ls., Wht., Crm., Tan., Lt- Gry. Chalky to weather Cherty Lime. Fair to Good xln porosity trc., of Inter-xln Por., with shallow Vug. Por. A few Pcs. saturated with Black Live and Dead oil, no free oil. No Odor. No Fluor.
Ls., Wht., Fresh to sli-weathered Chert and Cherty Lime. Abund., Gry. Micro-xln to sucr. Dolo. Lm. very dense. No Vis. Show of Por. No show
Chert. Wht., to Gry Trams. fresh. trc of Black oil stn. Tan., Fn xln to Micro-Dolo cherty Lm. Sli- Odor No Fluor. No Free oil. abund., Gry., Brn. & Sh.
Ls., Tan sing. dolo lm., No show.
Dst # 4 (3970-4042)
30-70-30-60
IF; BOB Instantly ISI: No Return
FF: BOB Instantly FSI: No Return
REC: 6,163,746 CF/Day 62' MCO (85% O. 15% M) 252'GOCM (15%G, 10%O 75% M)
FIF: 318#-254# ISIP: 1422#
SIF: 269#-301# FSIP: 1372#
BHT= 123 GRAV.: 34
DST # 5 (4042-4115)
30-45-30-30
IF: 1" Throughout ISI: No Return
FF: V-Weak Surface Blow died in 1"
FSI: No Return.
REC: 30' Mud
IFP: 39#-44# ISIP: 72#
FFP: 45#-48# FSIP: 59#
BHT: 116
0
Total GAS
500
Dev: 0 @4042'
Trip Gas 2000 U
0
Total GAS
500
MUD :


Ls., Tan to abbund. Gry dense dolo. to Micro-xln. Black Shale with scattrer Gry and Grn. Argil.No show.
Chert., Vari-Colored Fresh to Sli-Weathered., Some Rounded to Angular Qtz>, No show.,Abund. Vari- Colored Argil. Shale
Sh., Black., Gry., Grn., Brn.
Viola 4272 (-2418)
Ls., Wht., Brn., Cherty Ls., Dense Micro-xln., non Friable Trc. of P-edge stn., NFO. No odor.
Lm., Wht., Crm., Micro-xln. Very Dense., Wht. to Gry. Chert, Fresh. No shoe
Ls., As above with abund., Vari-color. Sh. No show.
Sh., Black Carb.
Simpson Shale 4393 (-2539)
Sh Black Grn., and Gry., Silty to Argil.
SS., Wht., Clear, Crm.Very Fn-Grn., Well Rounded, Well Sorted. V-Dense Silica Cementation in Matrix. Non-Friable. Abund. Pyrite and fair amout of Gluconite. No show.
Sh., Black and Gry., Argil
SS., Wht. to Crm. As above., with trace of Free Qtz., No Fluor. or show of oil.
4250
4300
4350
4400
WT: 9.0
Vis: 74
Filt: 9.2
LCM: 4#
CHL: 7000
0
ROP (min/ft)
7
0
Gamma (API)
150
0
Total GAS
500


Sh., Black and Gry., Argil.
Sh., Abund. Vari-Color.
4450
Bit Trip @ 4455'
Arbuckle 4472 (-2618)
Dolo., Wht., Crm. Sucr., to Fn-Gm., Rhomb. Very Dense. No show
Sli-Sulfur odor.
4500
Dolo., As above with sulfur odor
Dolo., Sucr. to Fn-grn. to medium Rhombic Porosity No show.,
Strong Sulfur odor.
4550
RTD = 4555' Reached on 10-15-17
LTD = 4557'
Dev: 1.5
@ 4555
RTD
MUD :
WT: 9.2
Vis: 57
Filt: 10.4
LCM: 3#
CHL: 6000

MICRO LOG

Company SIROKY OIL MANAGEMENT, INC.
Well STULL #1
Field IUKA-CARMI
County PRATT State KANSAS
Location: API # : 15-151-22464-00-00
330 FNL & 2310' FEL
SEC 21 TWP 27S RGE 12W
Permanent Datum GROUND LEVEL Elevation 1842'
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
DIL

Elevation
K.B. 1854'
D.F. 1852
G.L. 1842

Date	10/16/17		
Run Number	TWO		
Depth Driller	4555		
Depth Logger	4557		
Bottom Logged Interval	4555		
Top Log Interval	2600		
Casing Driller	10 3/4" @ 339		
Casing Logger	339		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2/57		
pH / Fluid Loss	11.0/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.60@58		
Rmf @ Meas. Temp	.45@58		
Rmc @ Meas. Temp	.72@58		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.28@121		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	121F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	PATRICK DEENIHAN		

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Comments

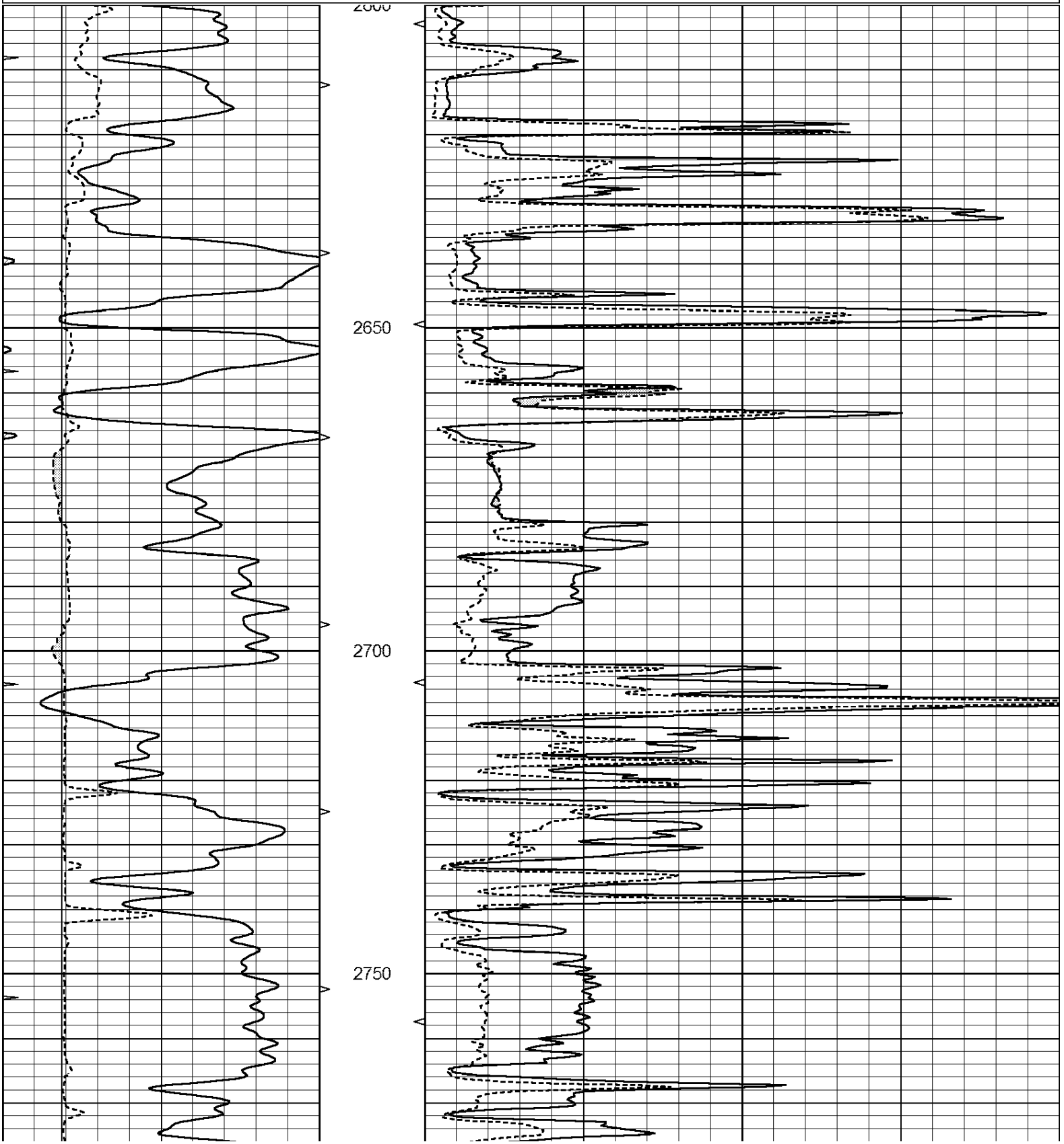
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395

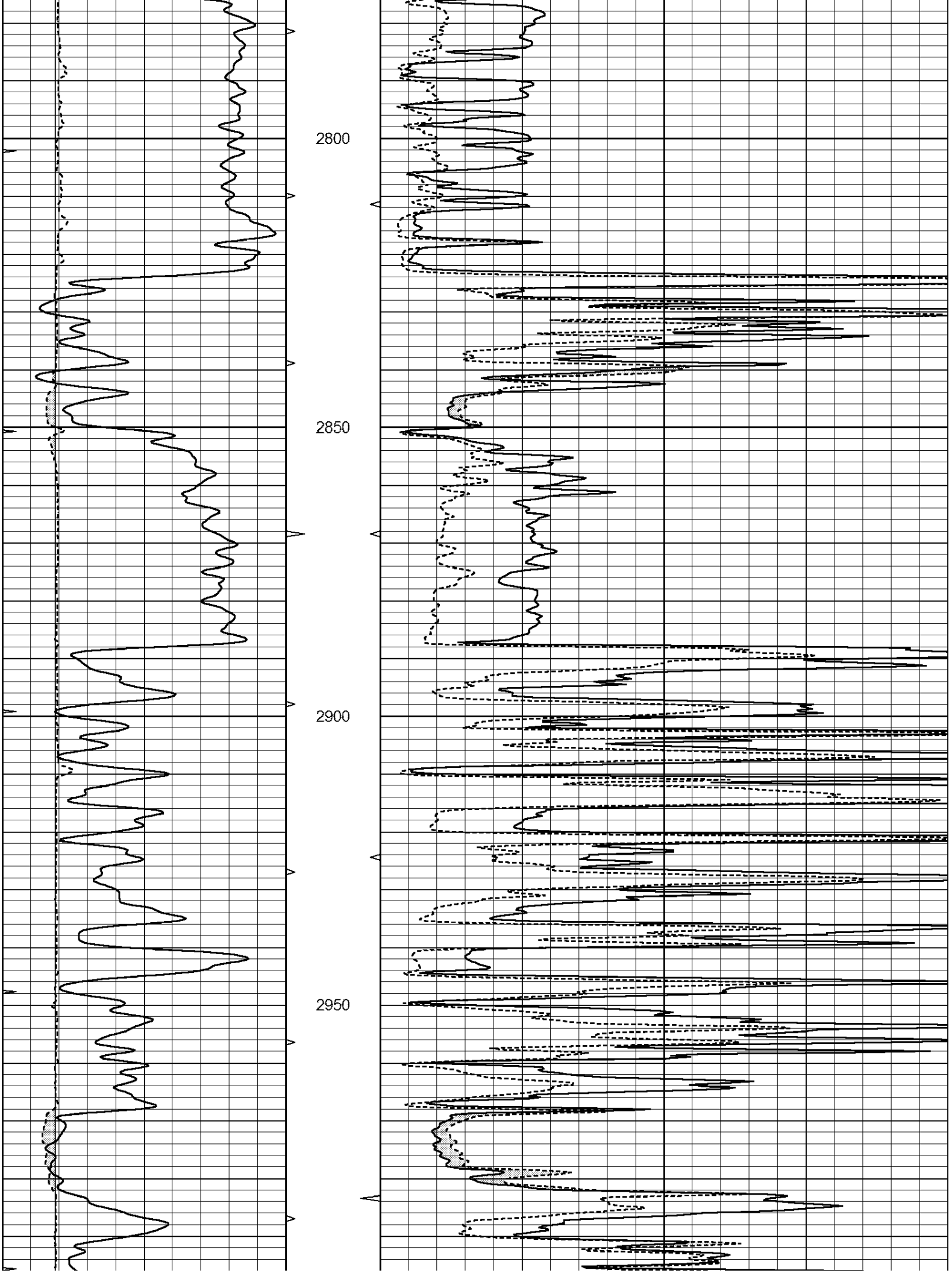
DIRECTIONS
PRATT NORTH ON HIGHWAY 61 TO RD. 20,
EAST TO THE T. NORTH 1 MILE, EAST 3/4 MILE,
SOUTH INTO.

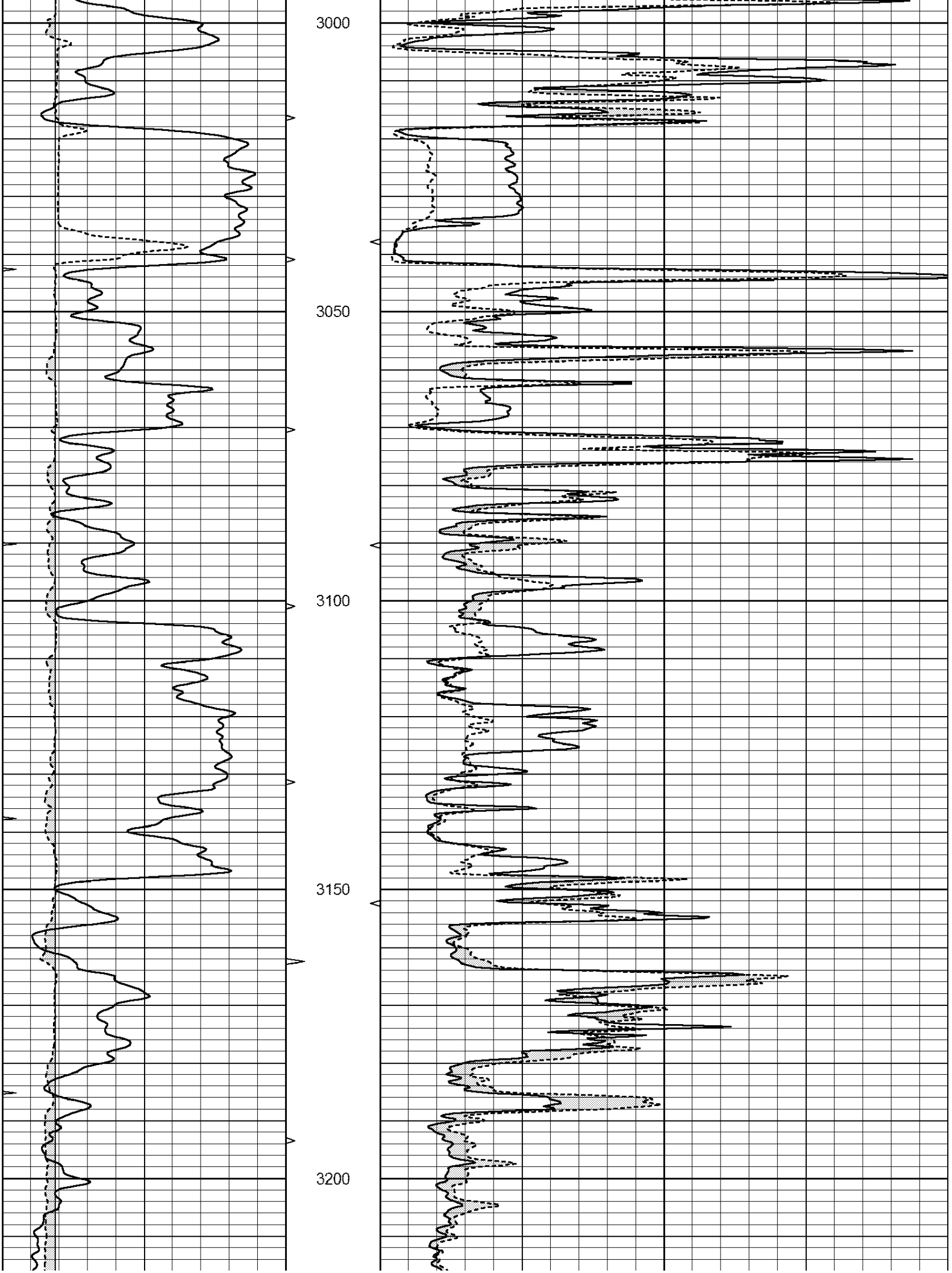
MAIN PASS

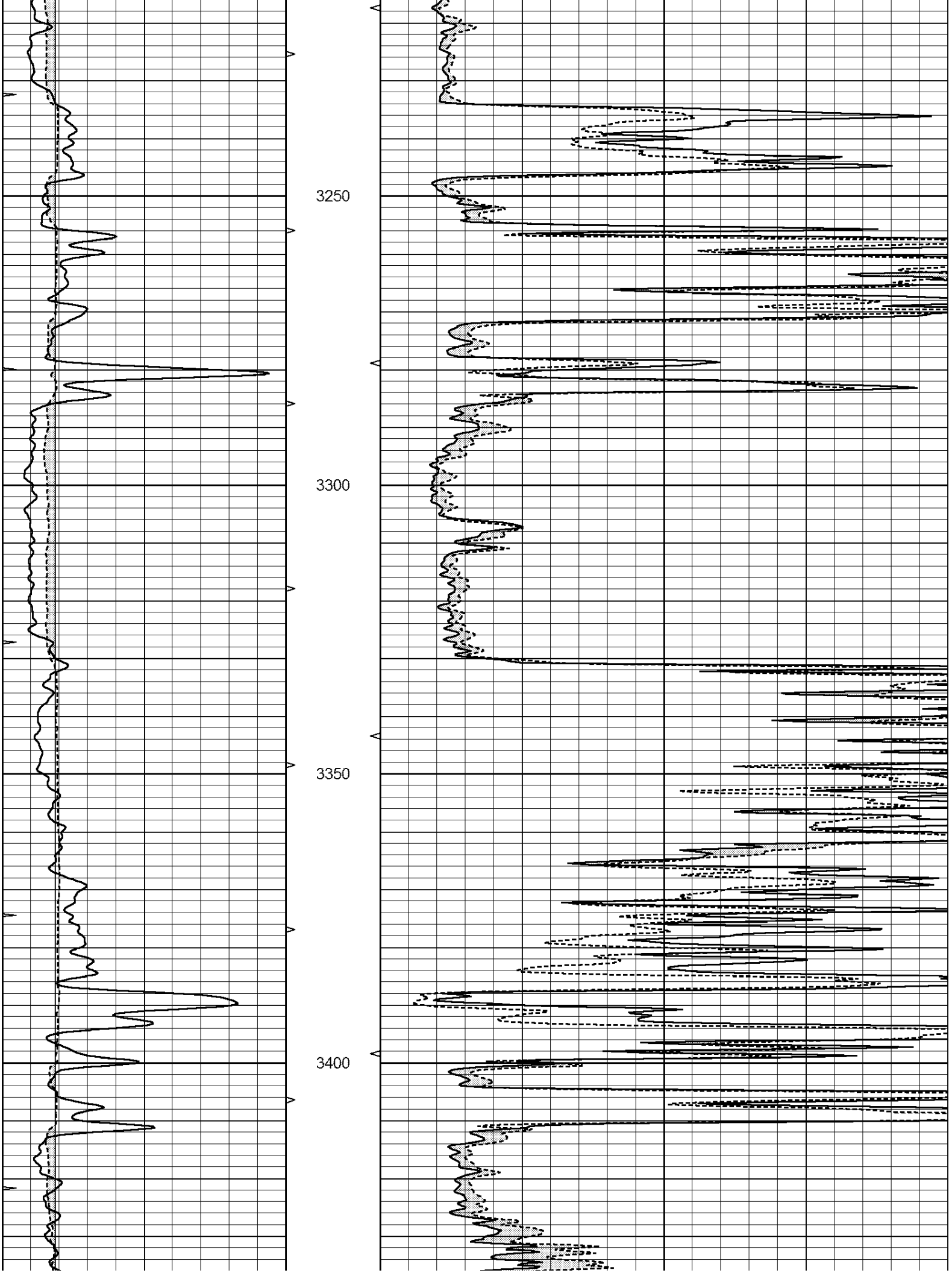
Database File: 2102ddn.db
Dataset Pathname: pass9.1
Presentation Format: _micro
Dataset Creation: Mon Oct 16 07:01:12 2017 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

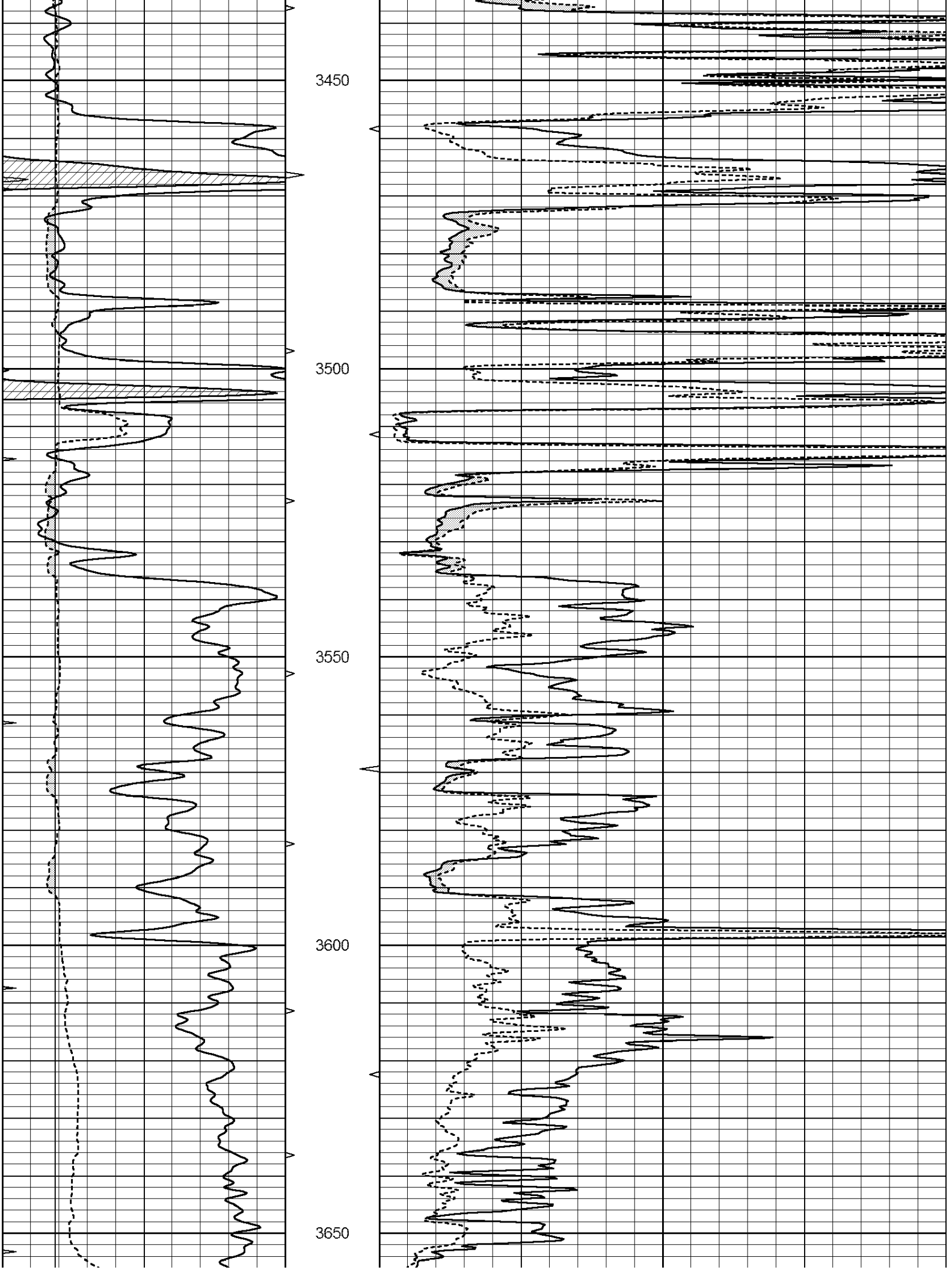
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m) 40
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m) 40
0	MINMK	20	TBHV		
			0 (ft3) 10		




2800
2850
2900
2950


3000
3050
3100
3150
3200


3250
3300
3350
3400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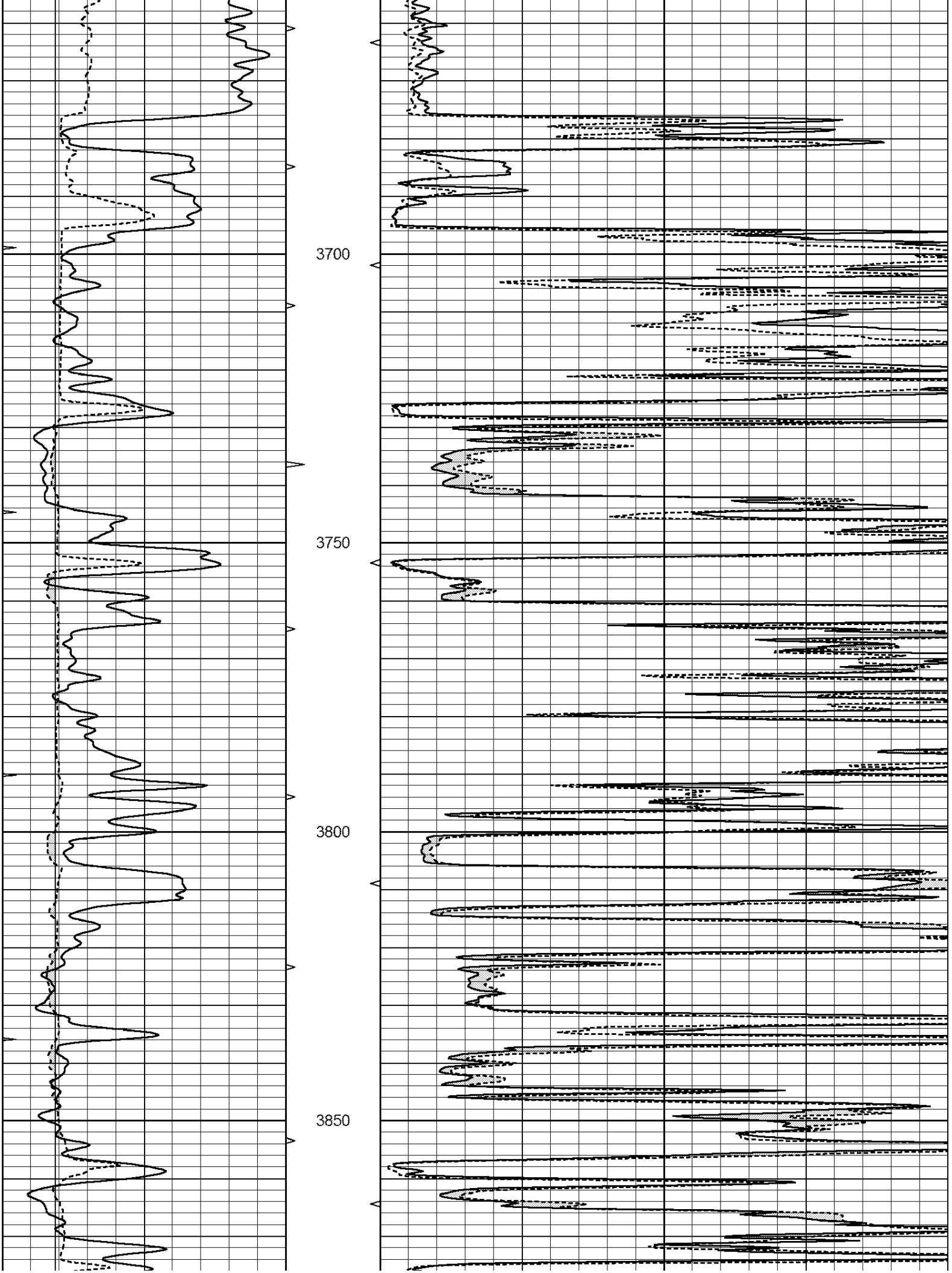
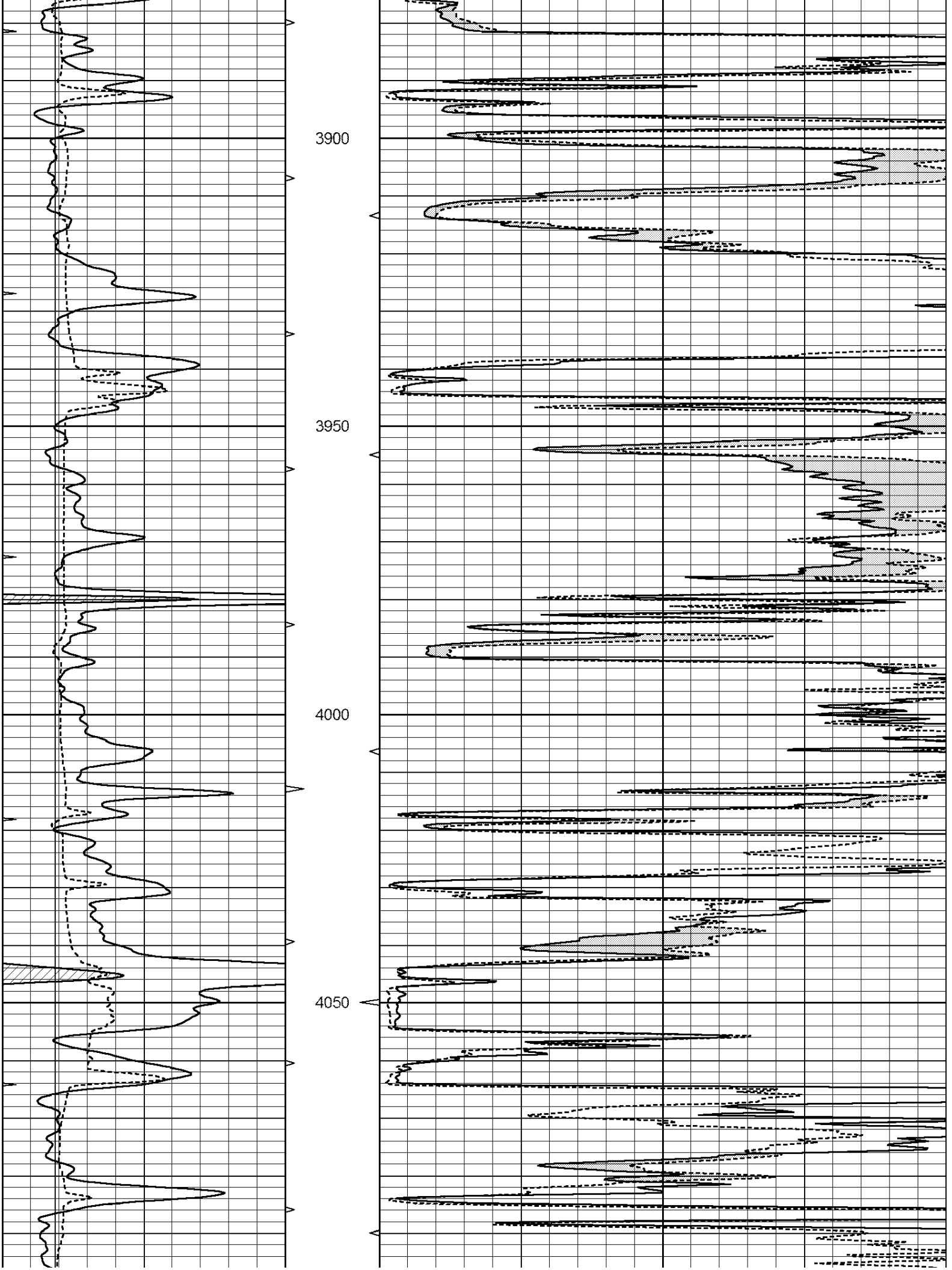
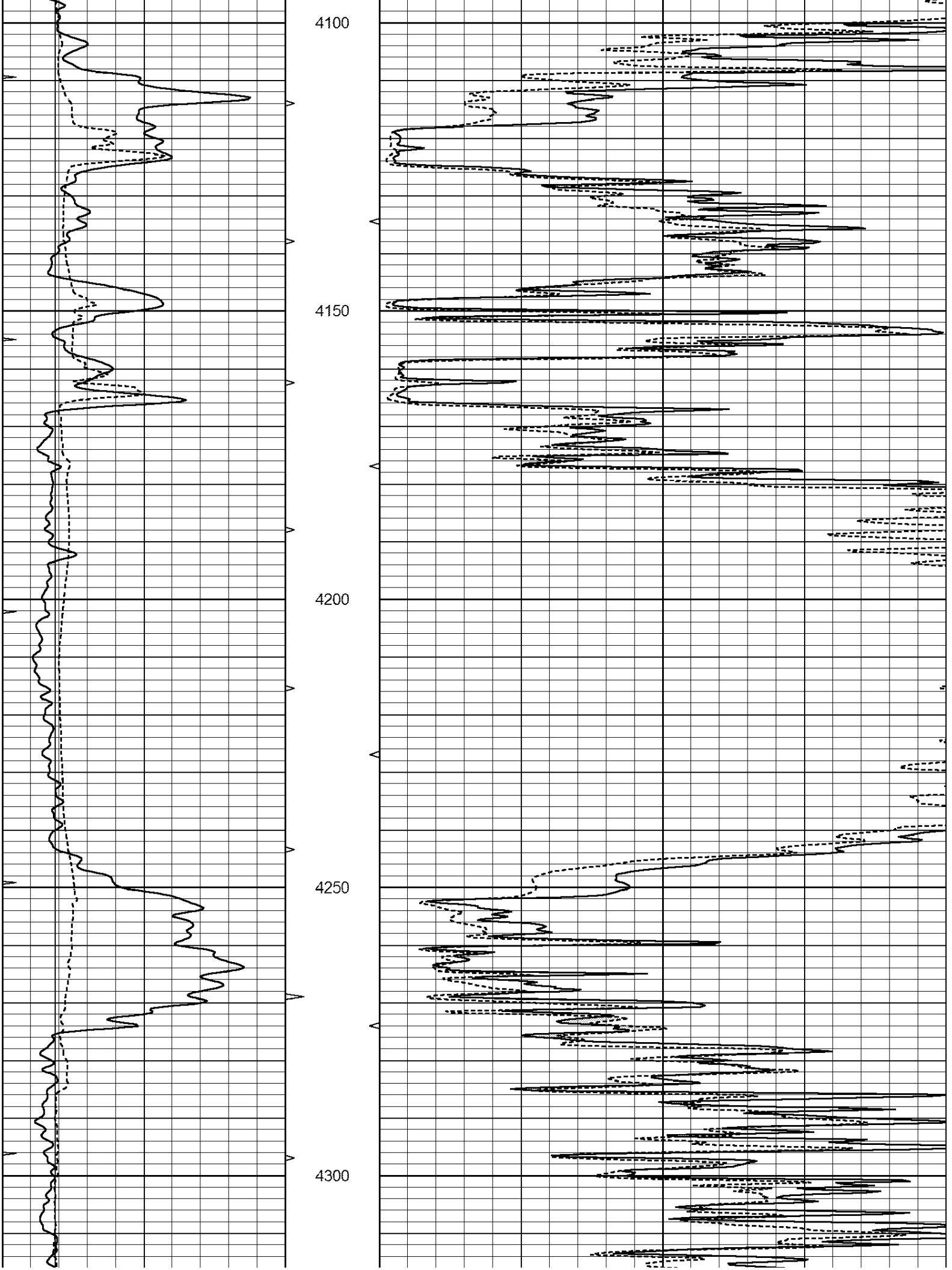
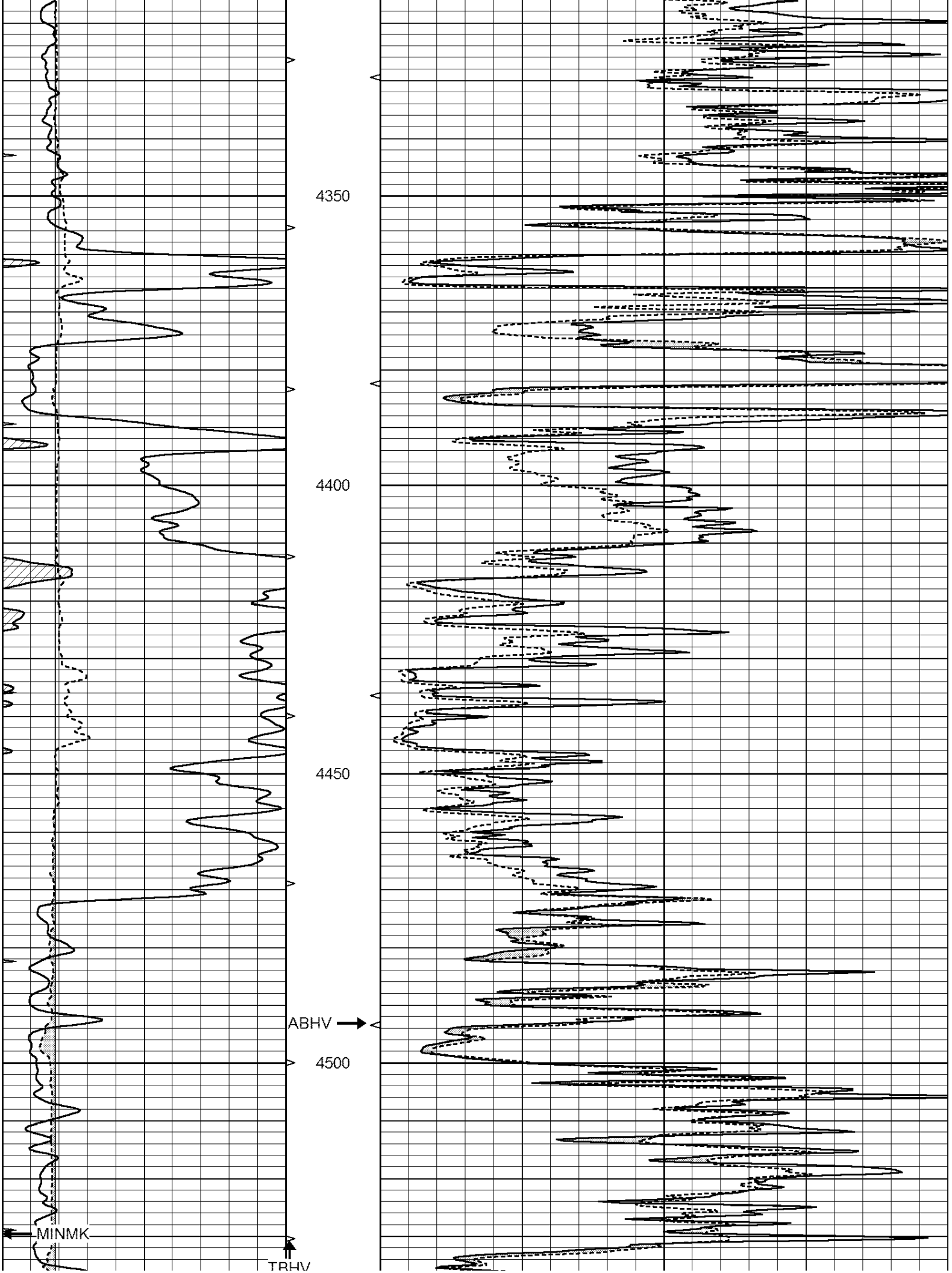
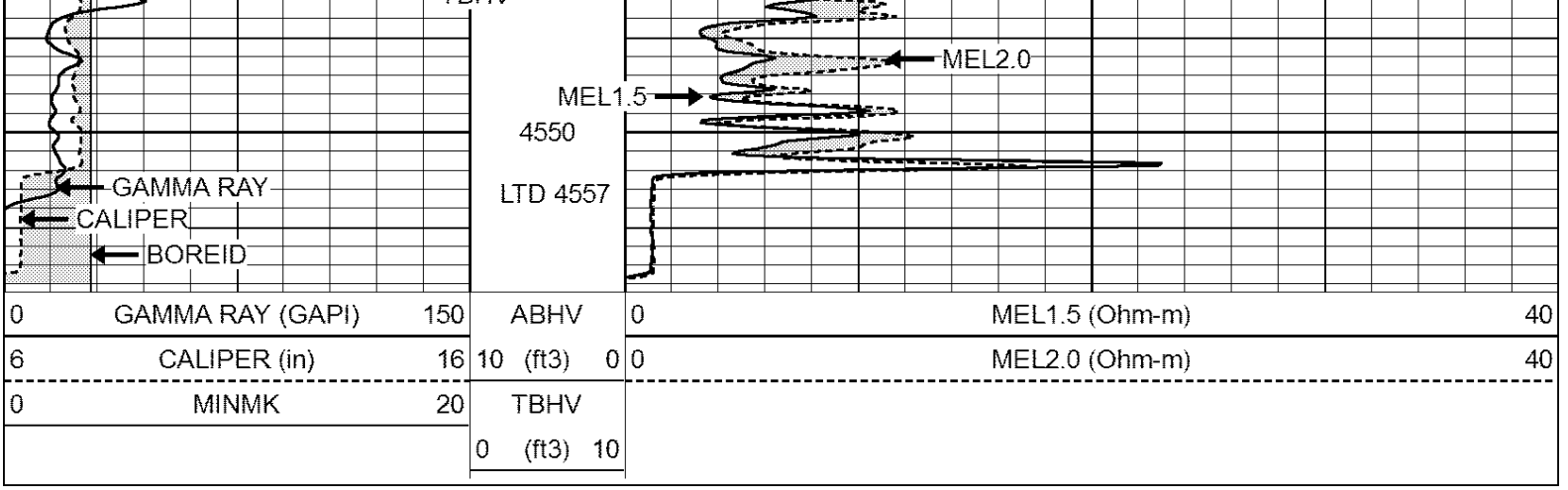
3500
3550
3600
3650


3700
3750
3800
3850


3900
3950
4000
4050


4100
4150
4200
4250
4300


4350
4400
4450
ABHV
4500
MINMK
TBHV

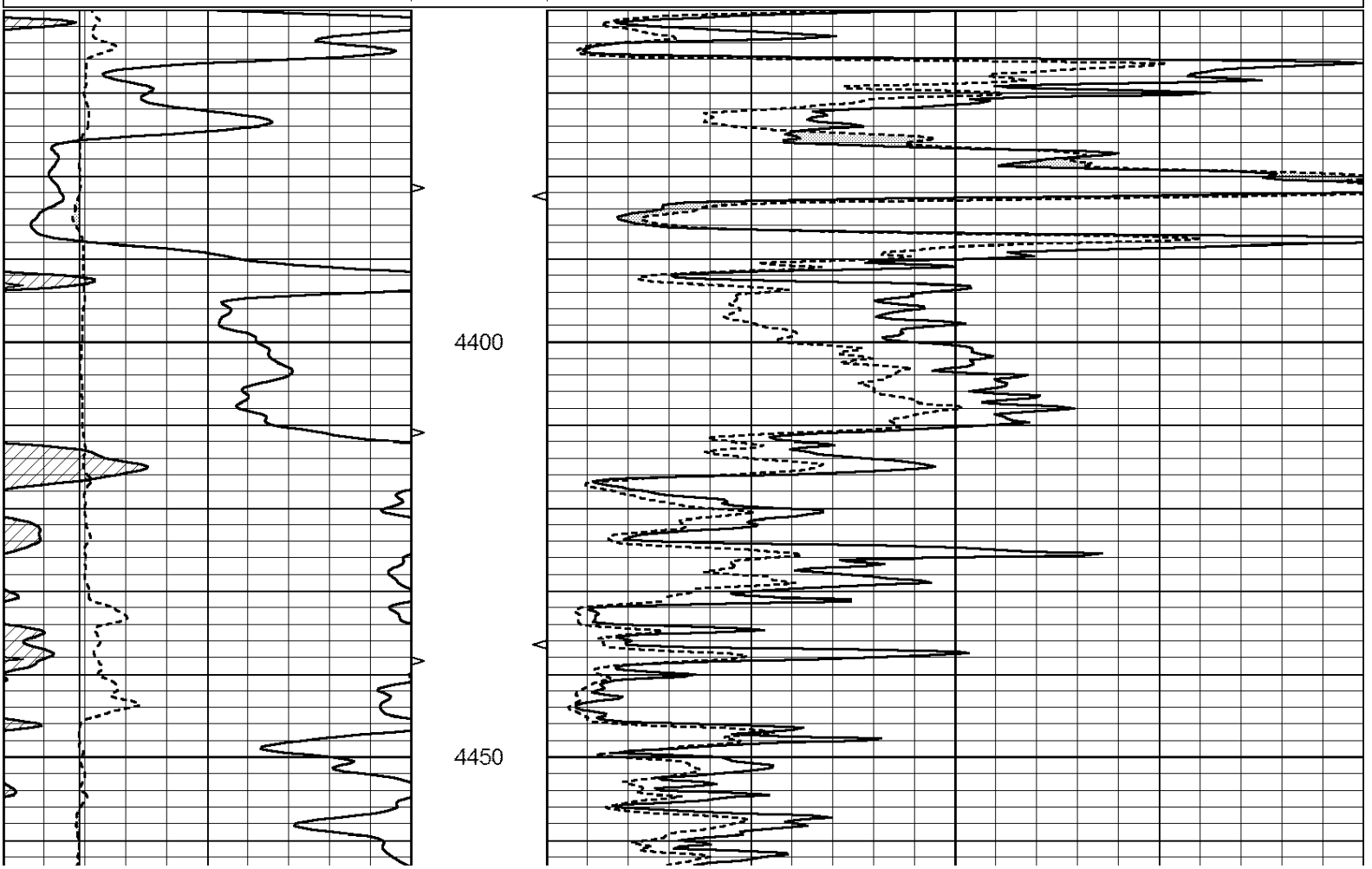


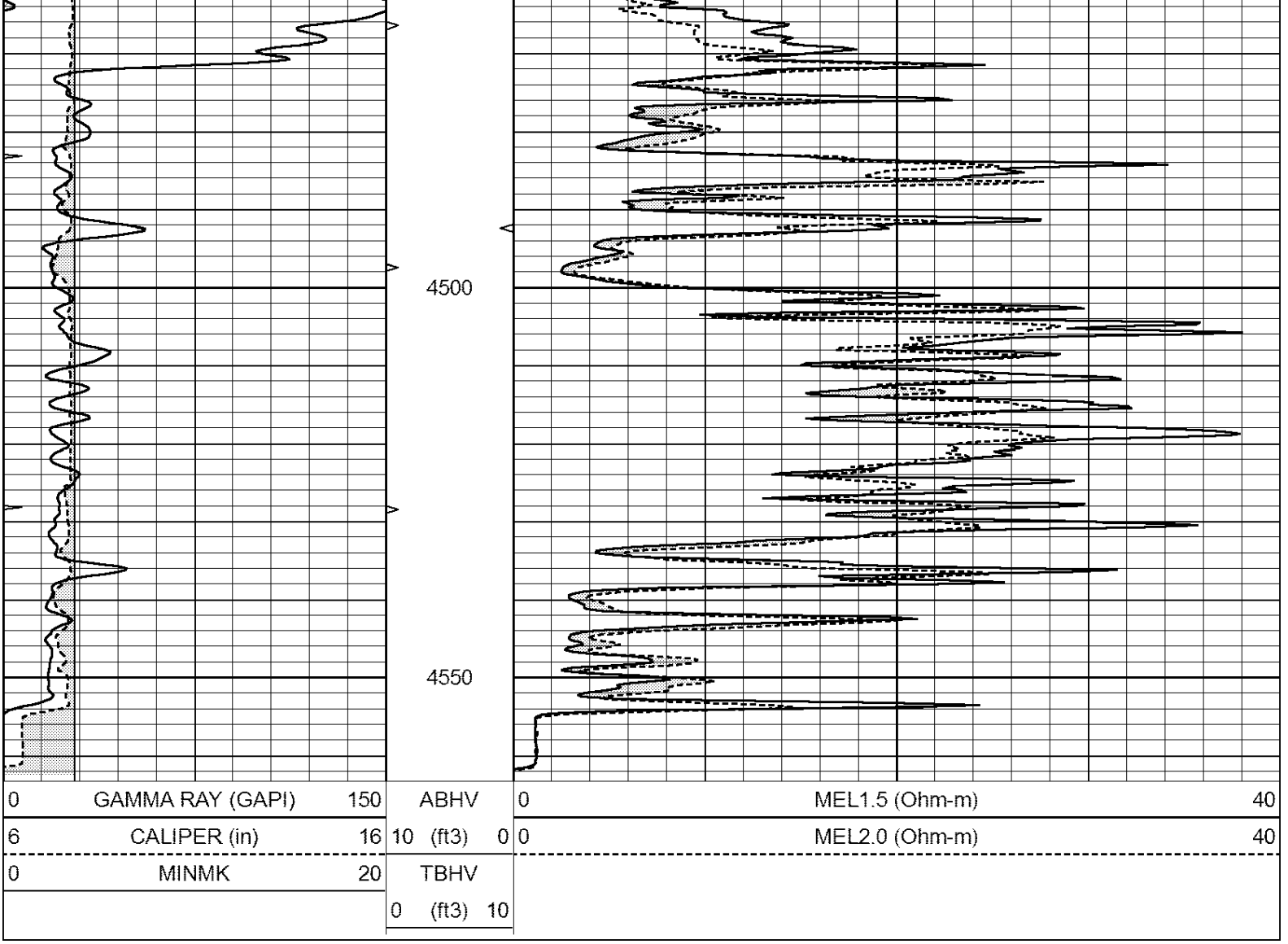
0	GAMMA RAY (GAPI) 150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in) 16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	40
0	MINMK 20	TBHV			
		0 (ft3) 10			

REPEAT SECTION

Database File:	2102ddn.db
Dataset Pathname:	pass8.1
Presentation Format:	_micro
Dataset Creation:	Mon Oct 16 06:44:49 2017 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI) 150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in) 16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	40
0	MINMK 20	TBHV			
		0 (ft3) 10			





Calibration Report

Database File: 2102ddn.db
Dataset Pathname: pass8.1
Dataset Creation: Mon Oct 16 06:44:49 2017 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Wed Aug 16 17:13:39 2017	
Caliper Calibration:	Gain=3.960	Offset=4.551
	Low Cal	High Cal
References	7.000	14.000
Readings	0.555	2.323
1.5" Calibration:	Gain=43.075	Offset=-0.400
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196
2" Calibration:	Gain=45.000	Offset=-1.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Wed Aug 16 17:13:40 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3800	GAPI/cps

DUAL INDUCTION LOG

Company	SIROKY OIL MANAGEMENT, INC.
Well	STULL #1
Field	IUKA-CARMI
County	PRATT
State	KANSAS

Company SIROKY OIL MANAGEMENT, INC.

Well STULL #1

Field IUKA-CARMI

County PRATT State KANSAS

Location: API # : 15-151-22464-00-00

330 FNL & 2310' FEL

SEC 21 TWP 27S RGE 12W

Permanent Datum GROUND LEVEL Elevation 1842'

Log Measured From KELLY BUSHING 12' A.G.L.

Drilling Measured From KELLY BUSHING

Other Services: CDL/CNL/MEL

Elevation: K.B. 1854' D.F. 1852 G.L. 1842

Date	10/16/17		
Run Number	ONE		
Depth Driller	4555		
Depth Logger	4557		
Bottom Logged Interval	4555		
Top Log Interval	00		
Casing Driller	10 3/4" @ 339		
Casing Logger	339		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2/57		
pH / Fluid Loss	11.0/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.60@58		
Rmf @ Meas. Temp	.45@58		
Rmc @ Meas. Temp	.72@58		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.28@121		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	121F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	PATRICK DEENIHAN		

<<< Fold Here >>>

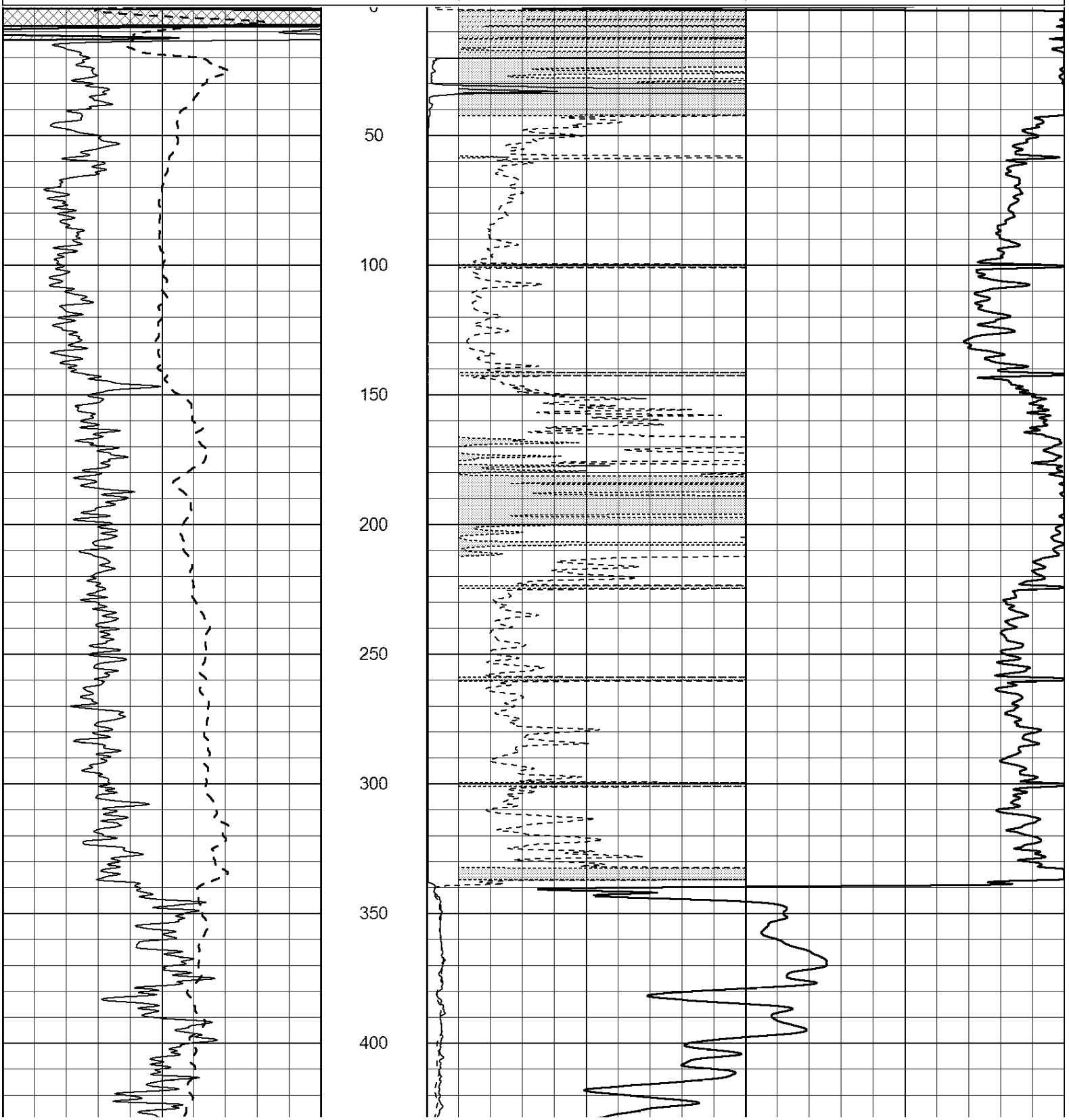
Comments

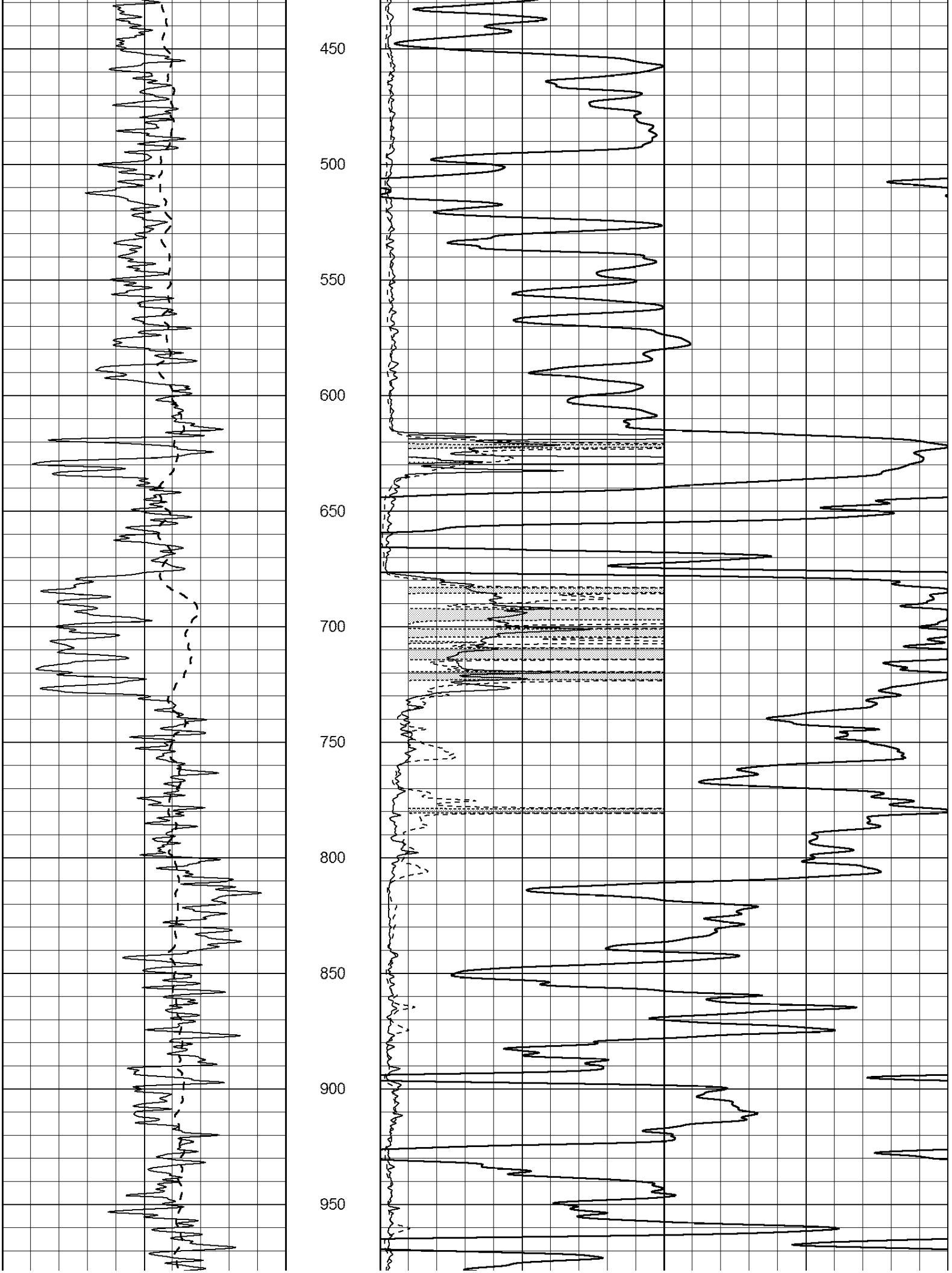
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395

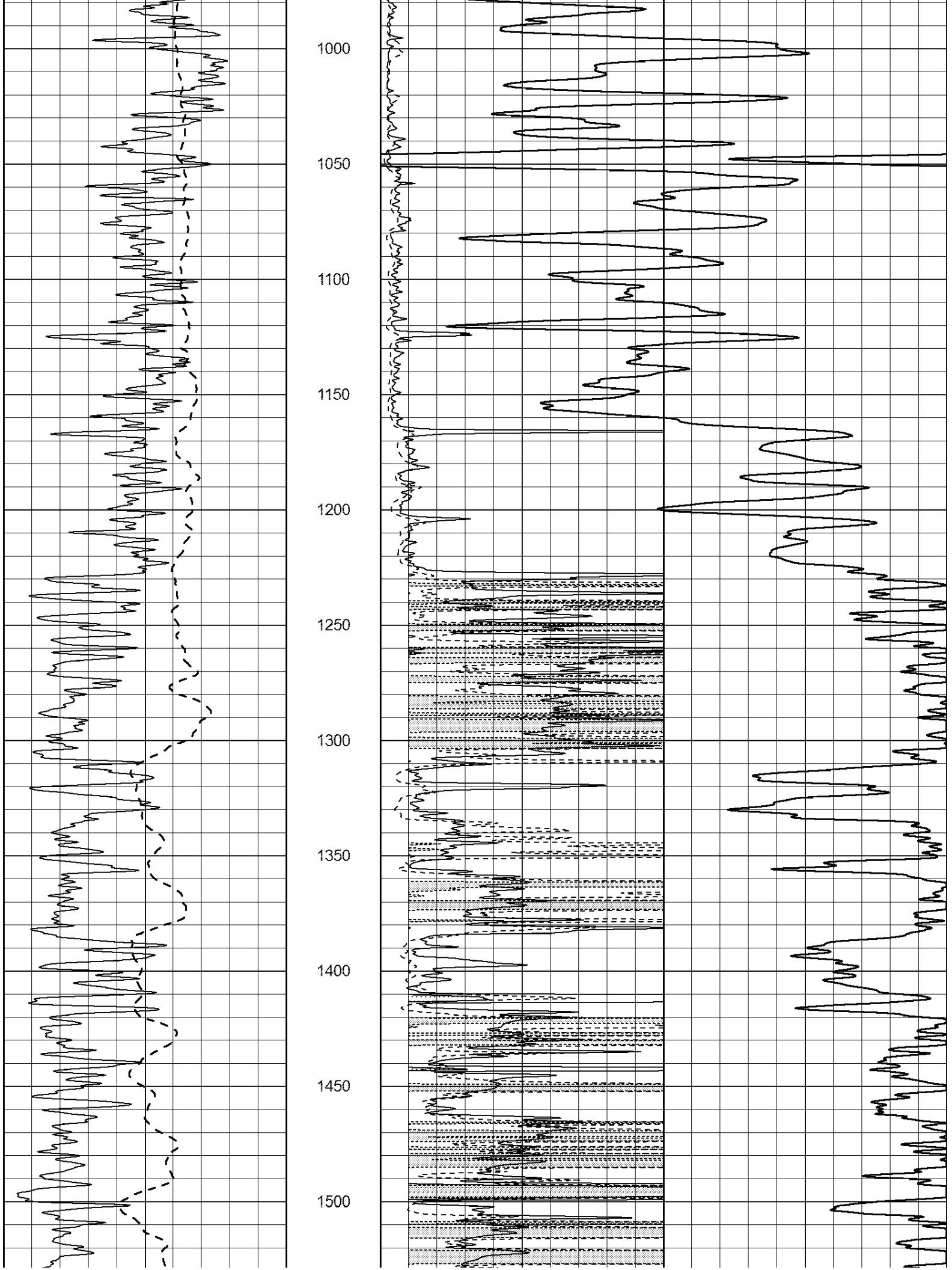
DIRECTIONS
PRATT NORTH ON HIGHWAY 61 TO RD. 20,
EAST TO THE T. NORTH 1 MILE, EAST 3/4 MILE,
SOUTH INTO.

MAIN PASS

Database File: 2102ddn.db
Dataset Pathname: pass7.1
Presentation Format: _dil2
Dataset Creation: Mon Oct 16 06:24:30 2017 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600




450
500
550
600
650
700
750
800
850
900
950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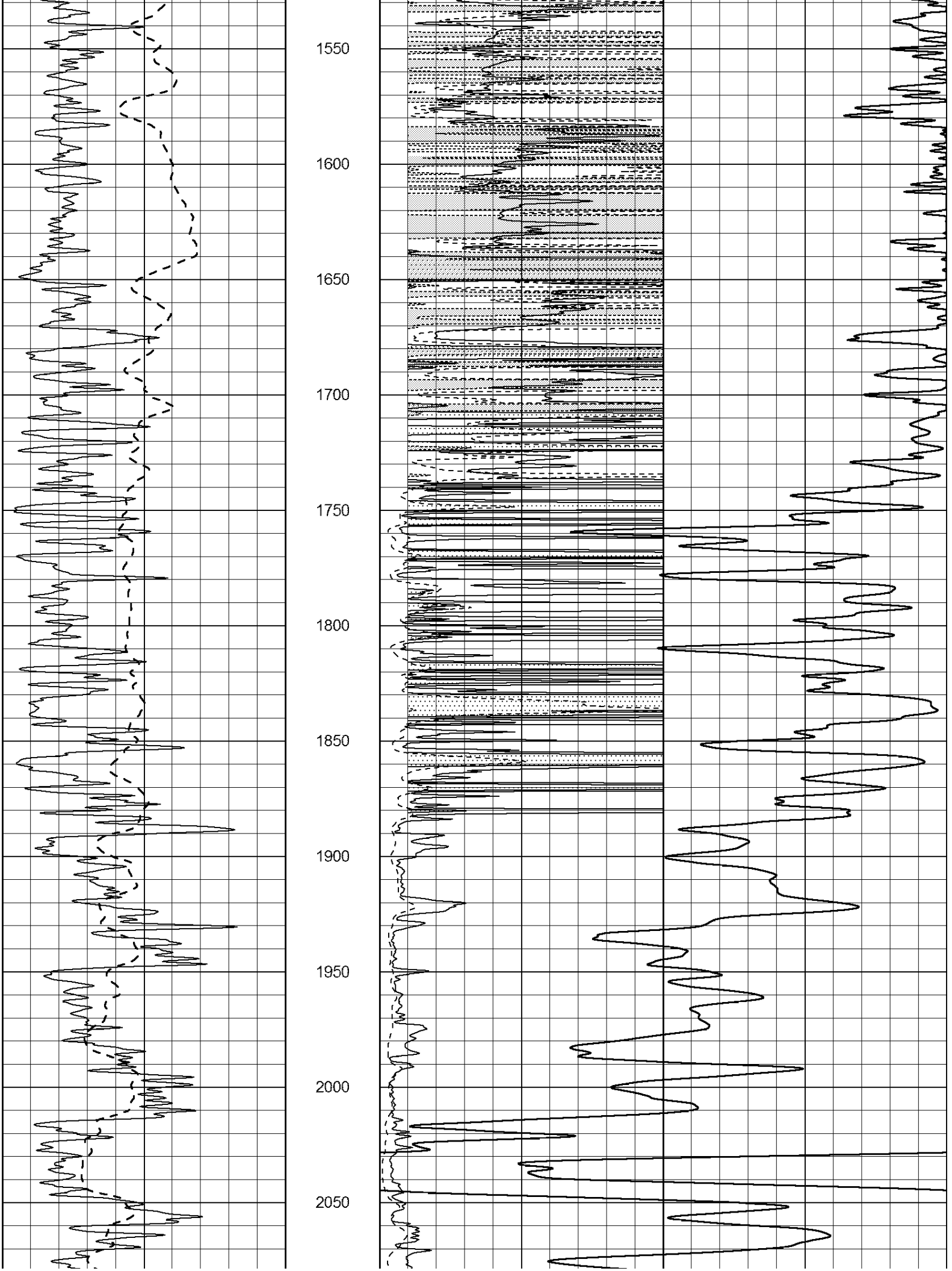
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500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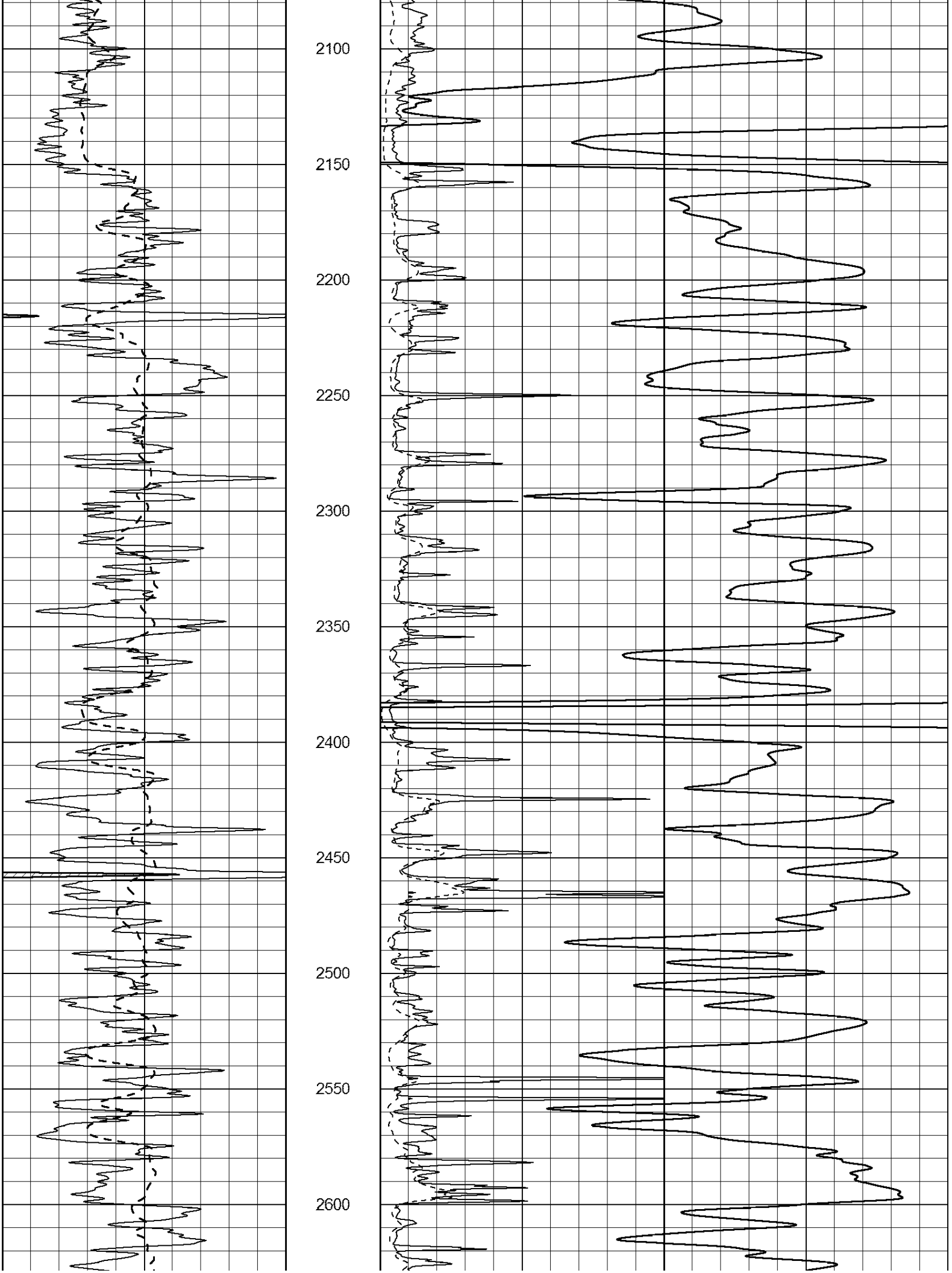
1650
1700
1750
1800
1850
1900
1950
2000
2050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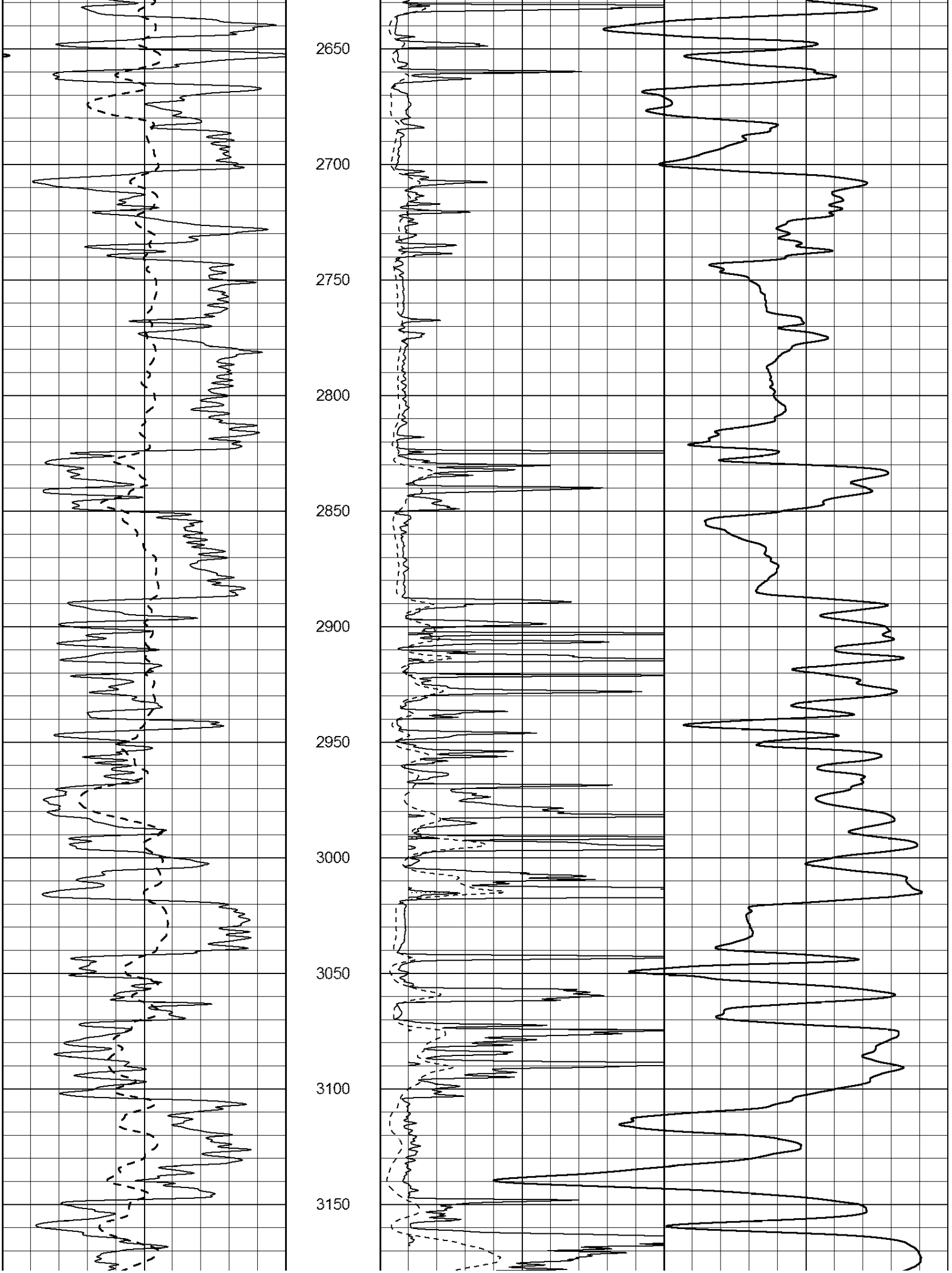
2200
2250
2300
2350
2400
2450
2500
2550
2600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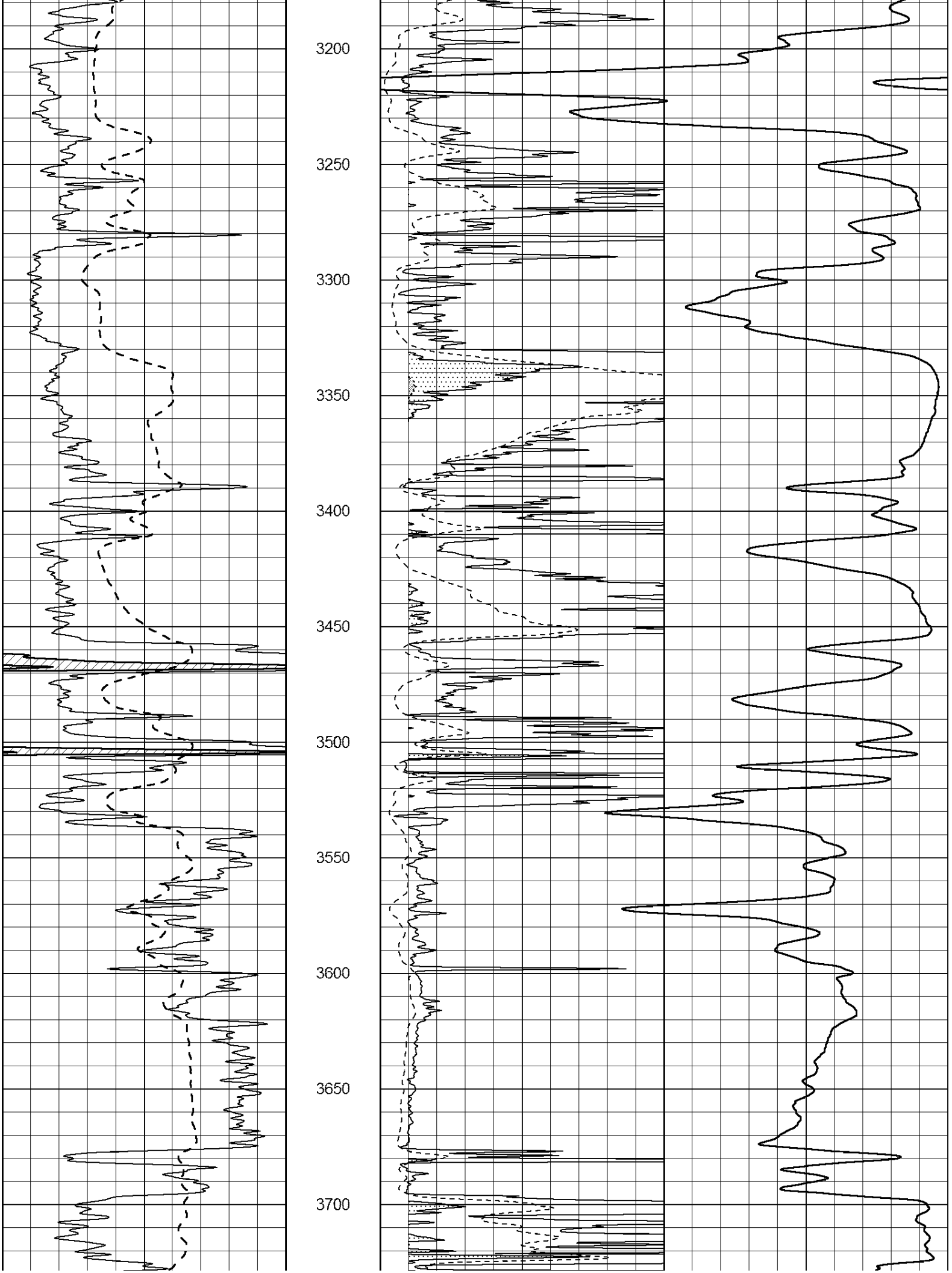
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150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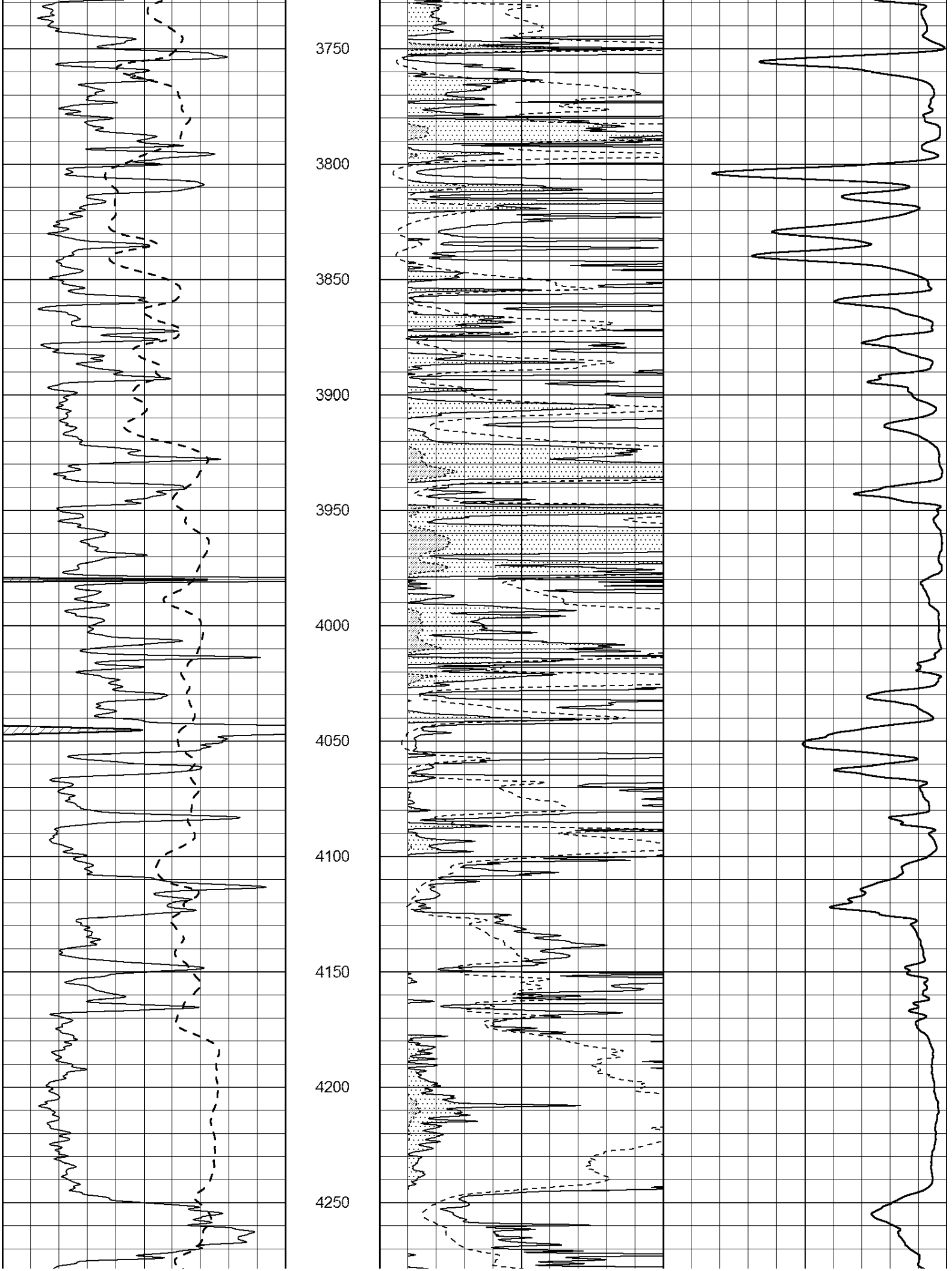
3300
3350
3400
3450
3500
3550
3600
3650
3700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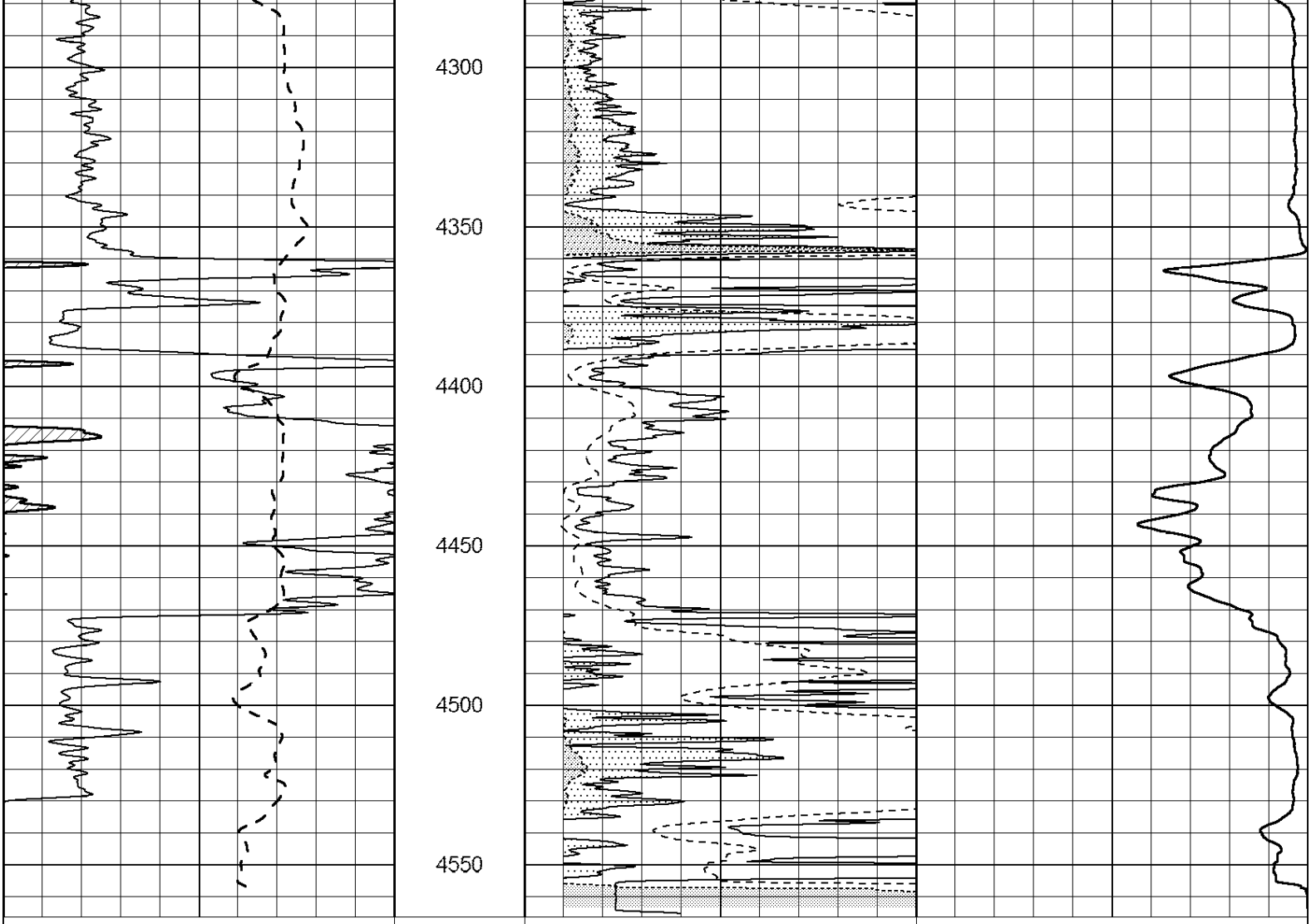
3800
3850
3900
3950
4000
4050
4100
4150
4200
4250

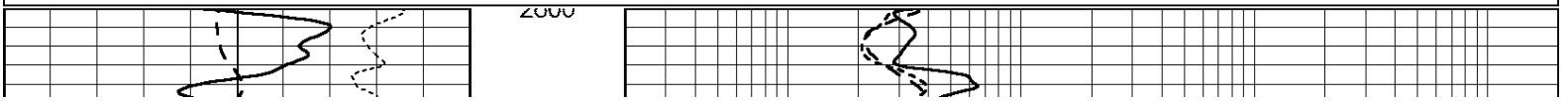


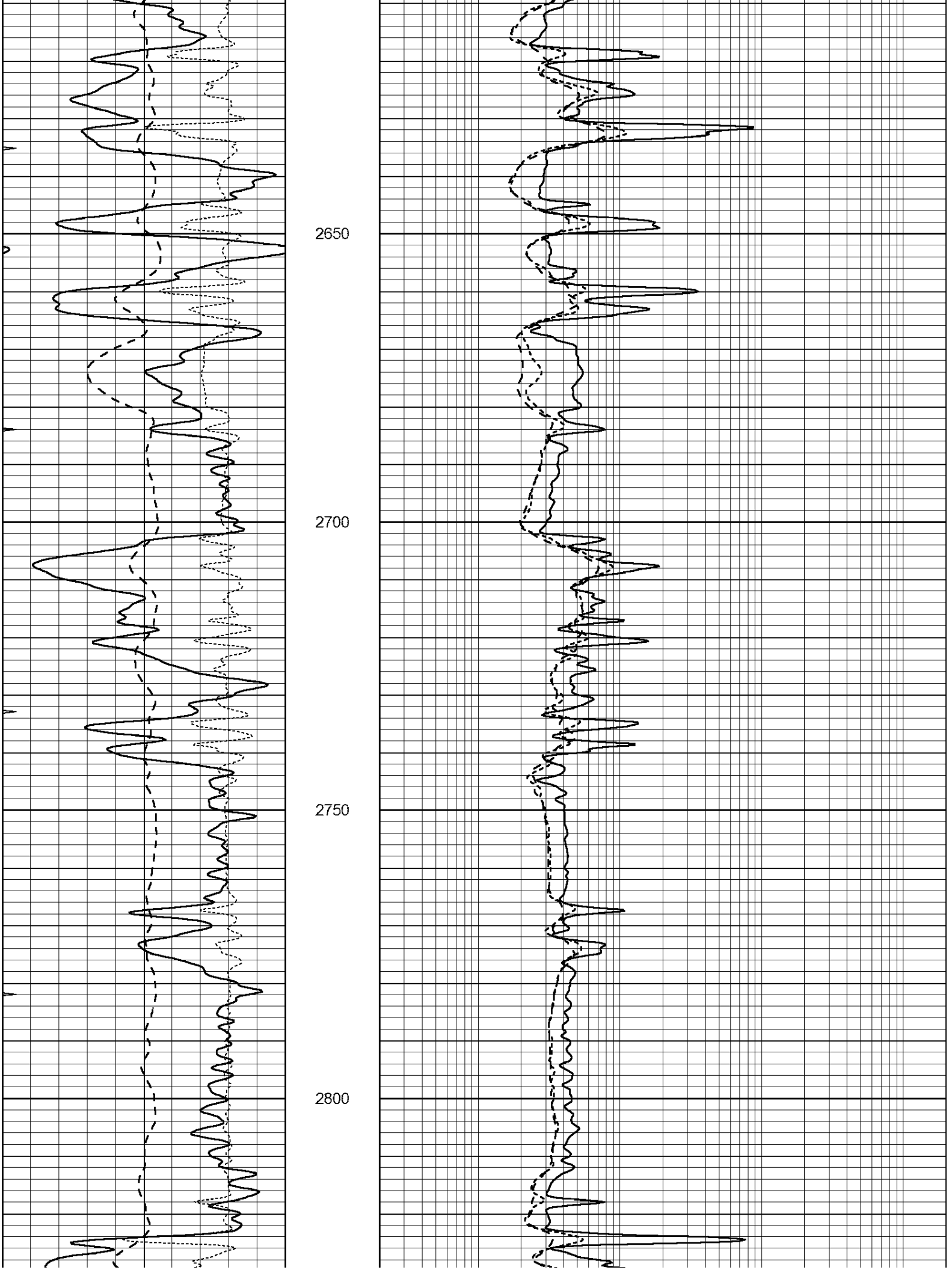
MAIN PASS

Database File: 2102ddn.db
Dataset Pathname: pass7.1
Presentation Format: _dil
Dataset Creation: Mon Oct 16 06:24:30 2017 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

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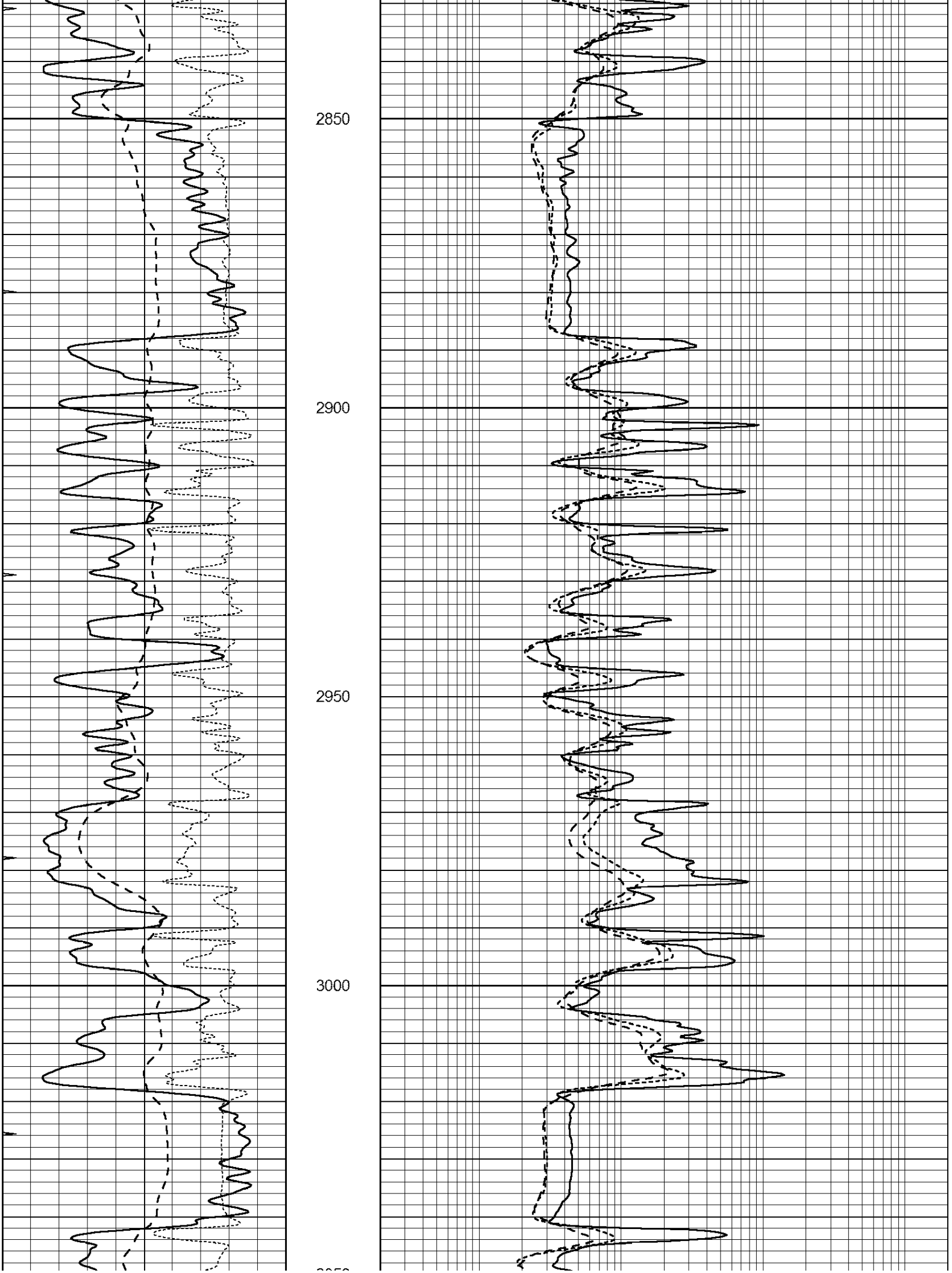
2700
2750
2800


2850
2900
2950
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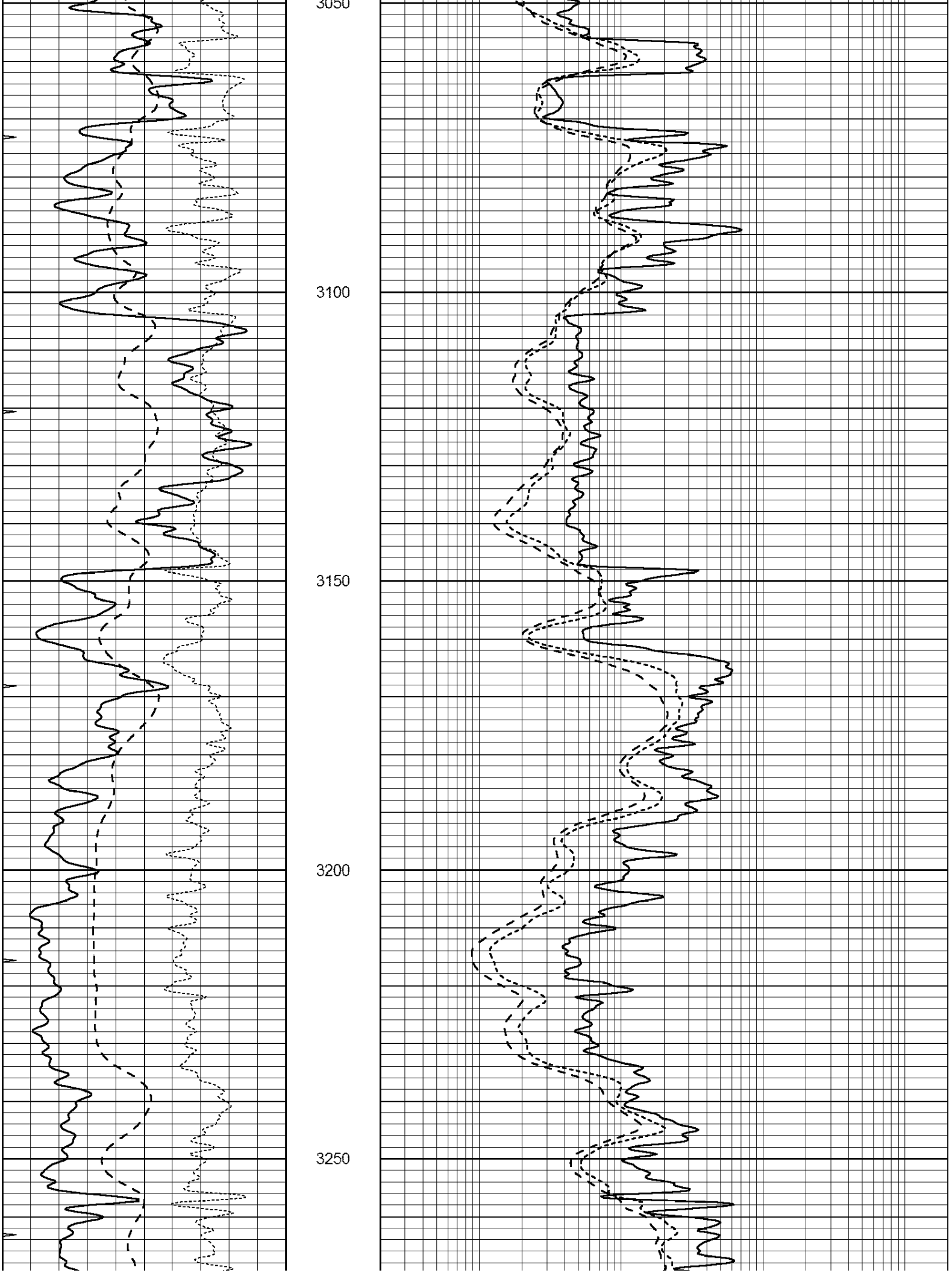
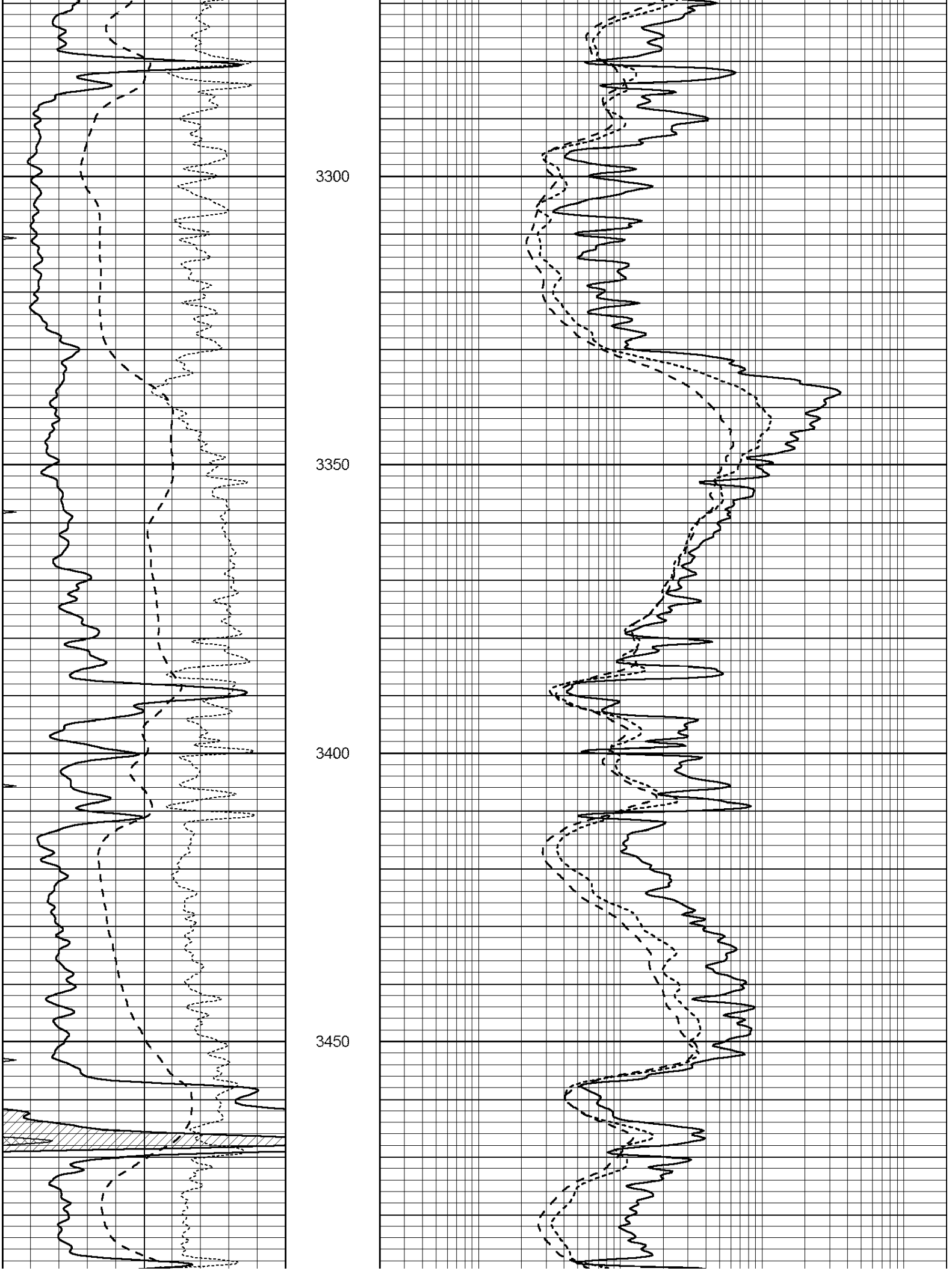
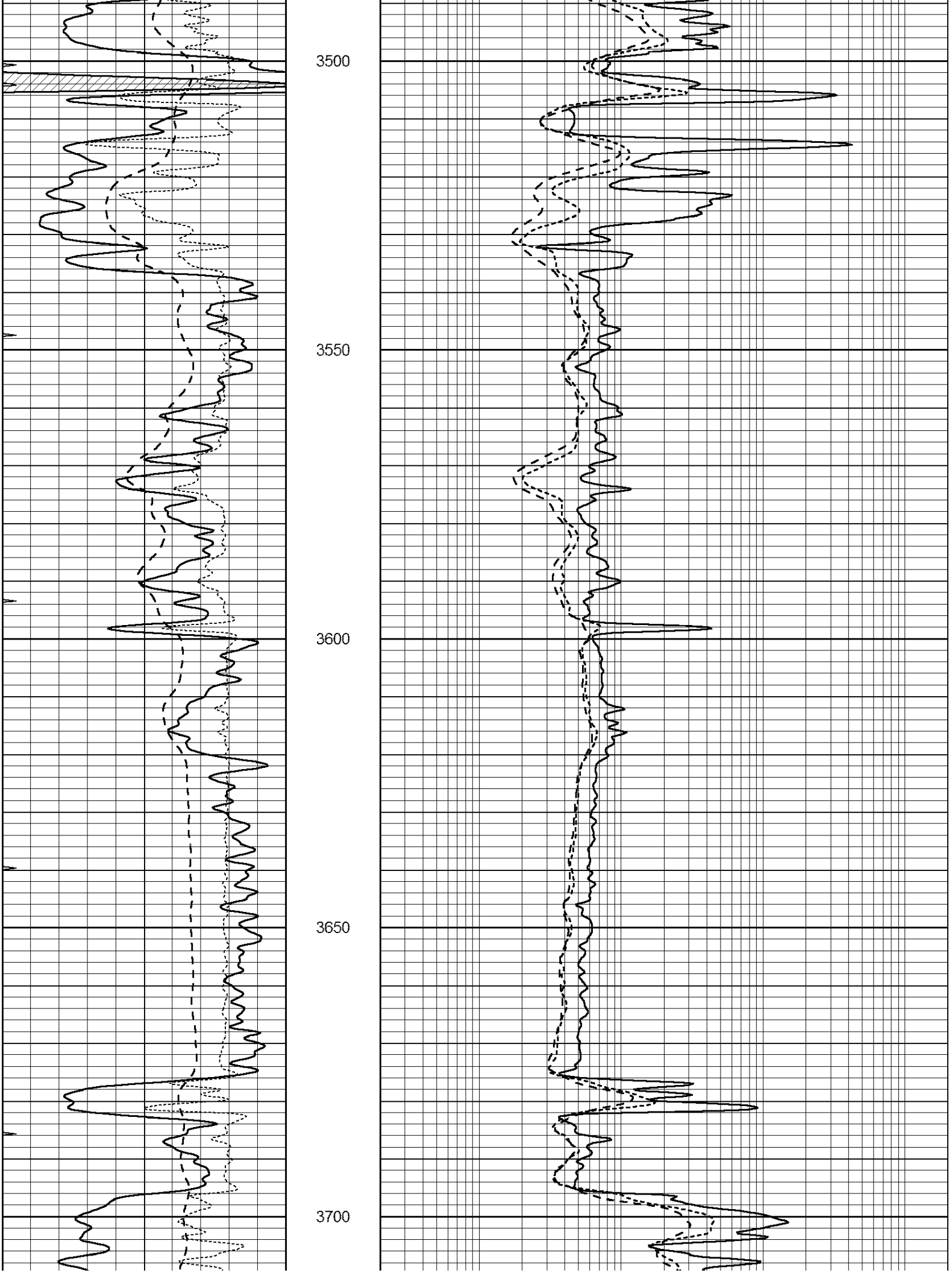
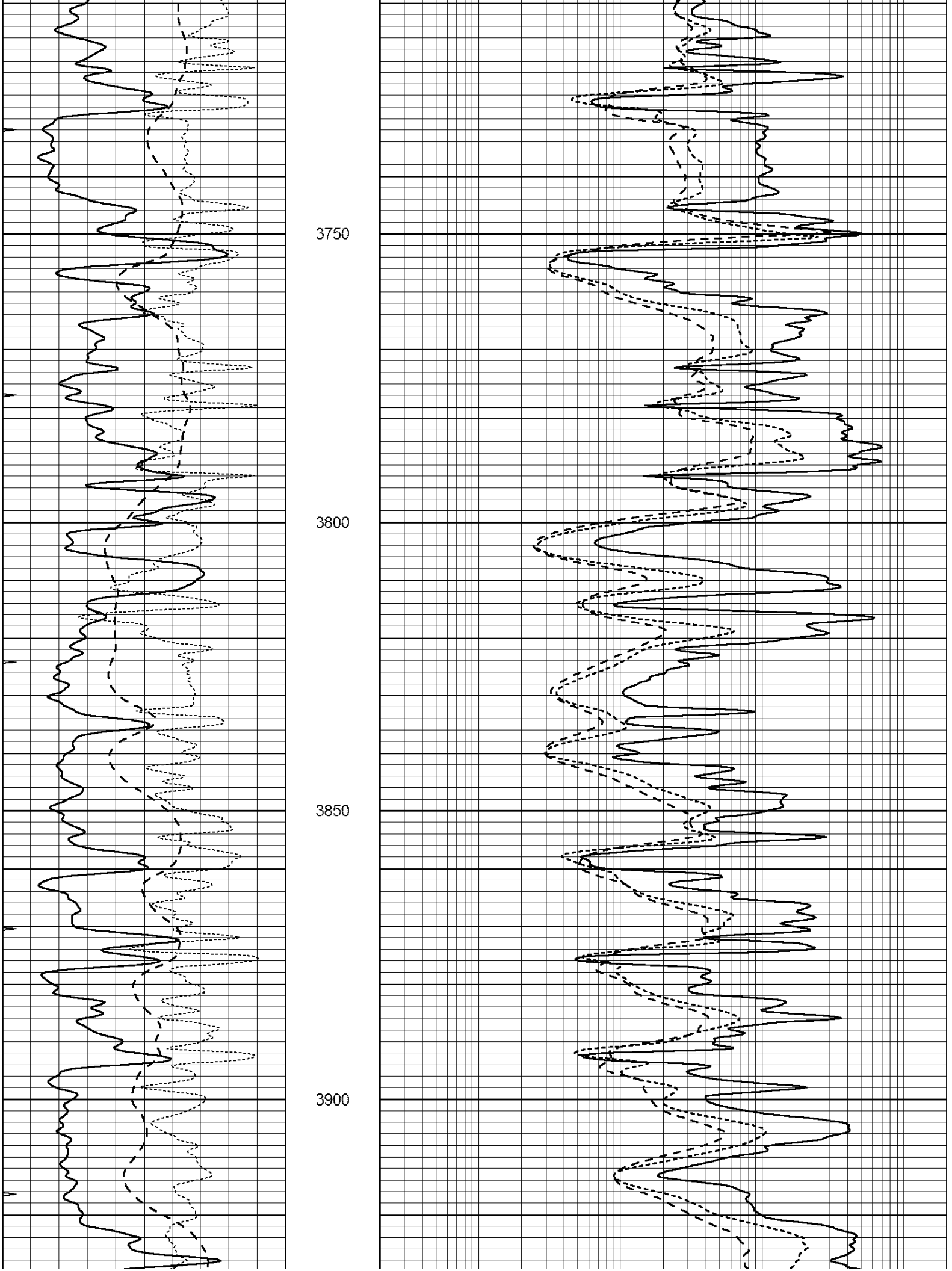
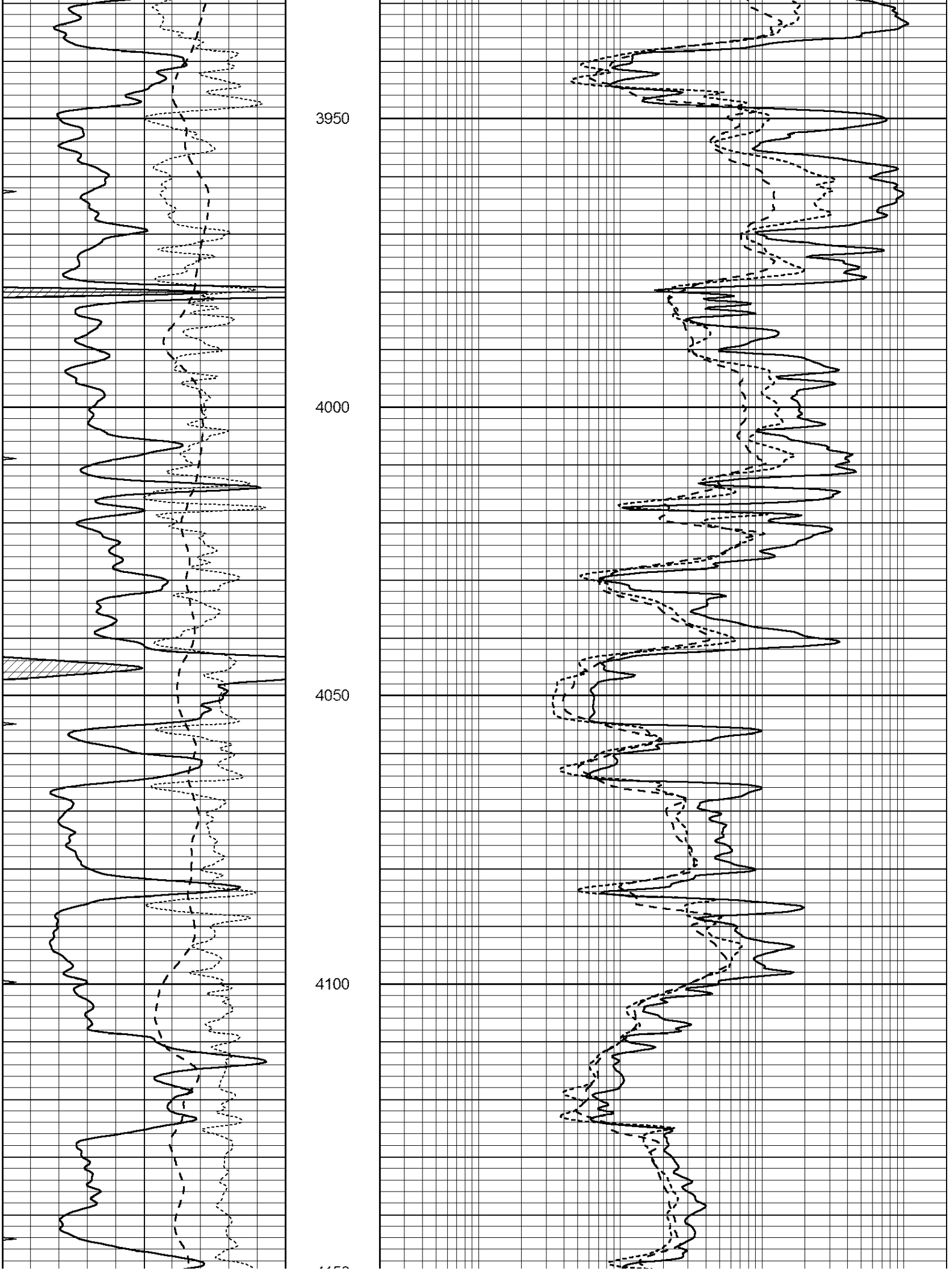
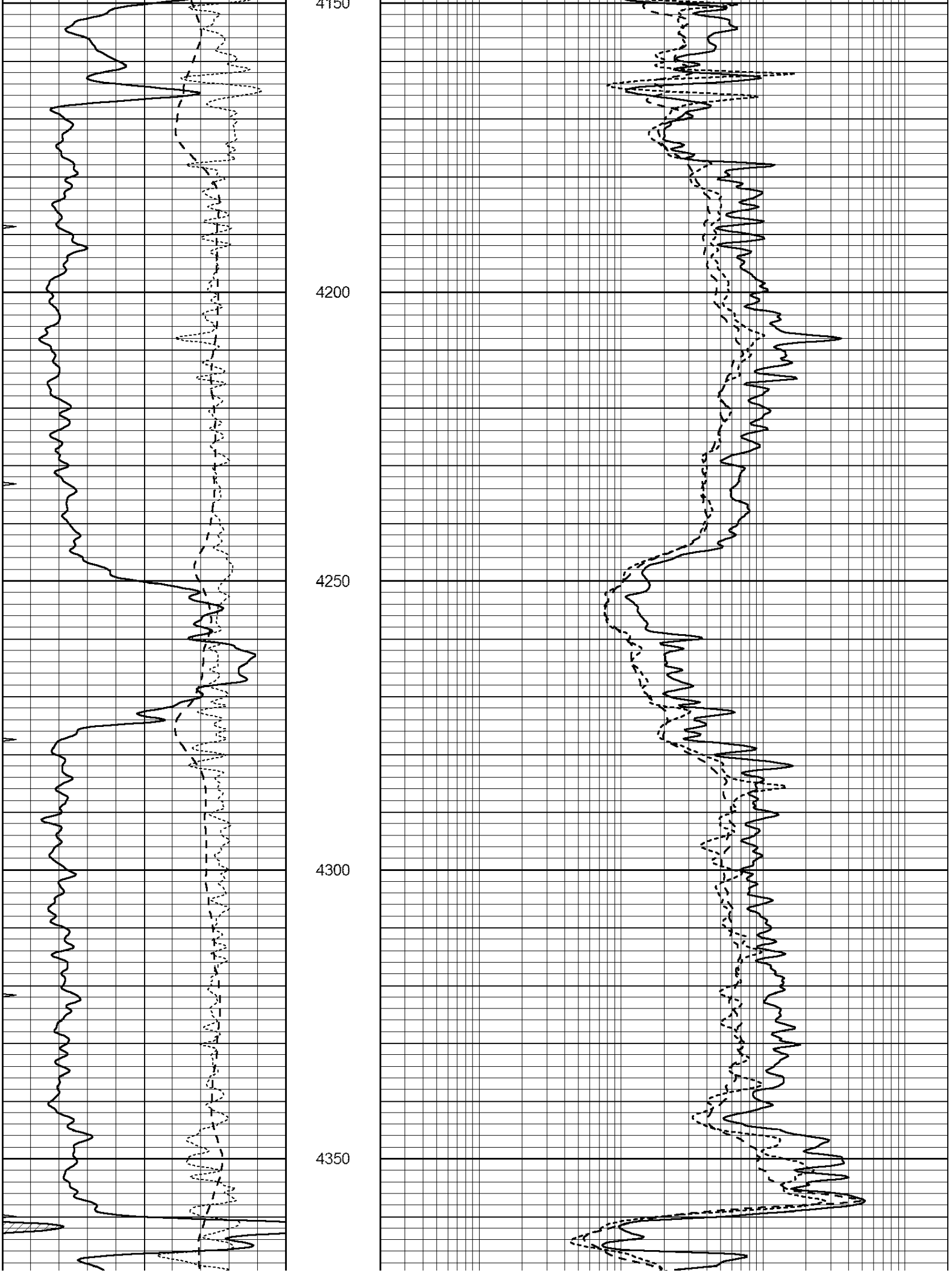

3050
3100
3150
3200
3250

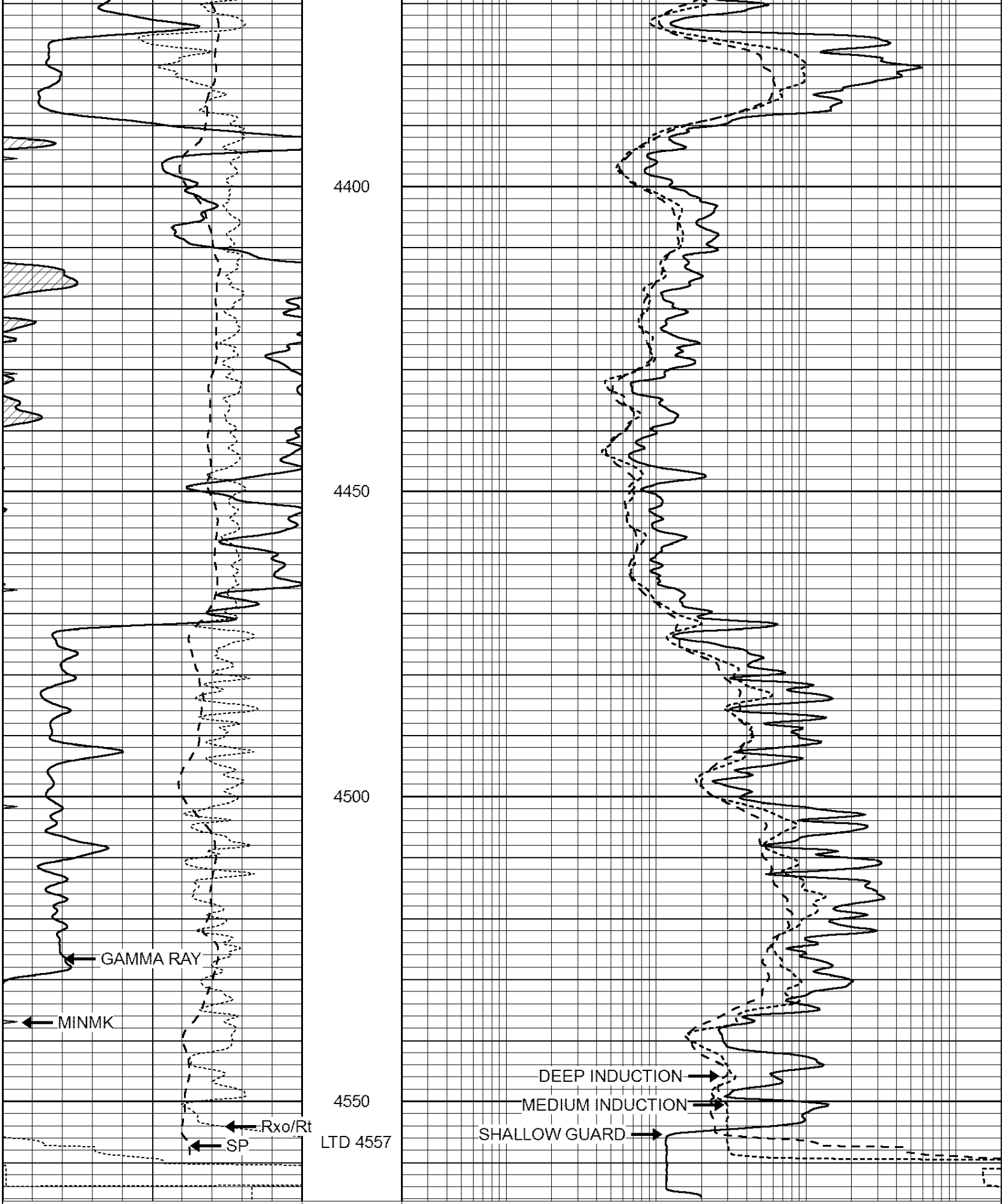

3300
3350
3400
3450


3500
3550
3600
3650
3700


3750
3800
3850
3900


3950
4000
4050
4100


4150
4200
4250
4300
4350



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

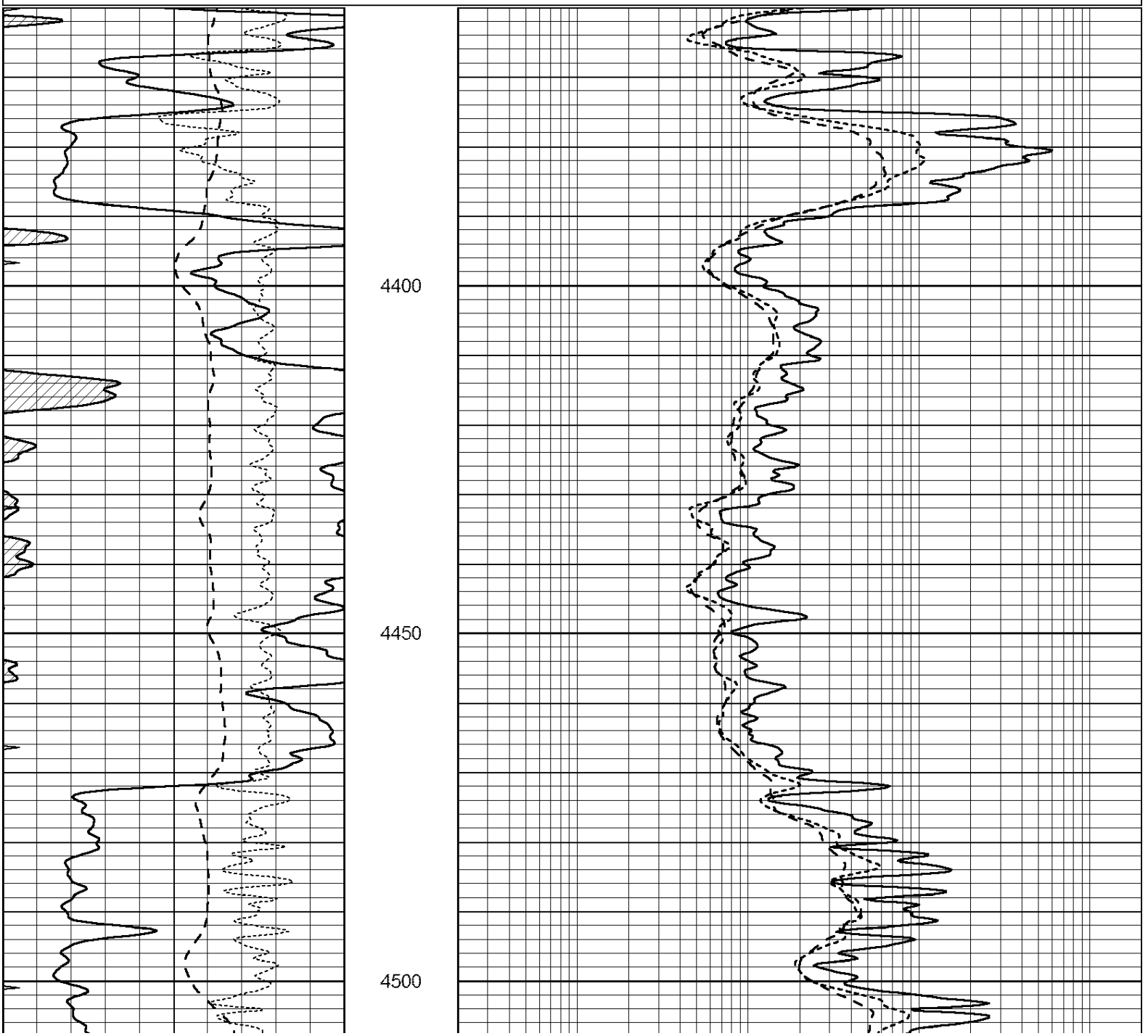
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

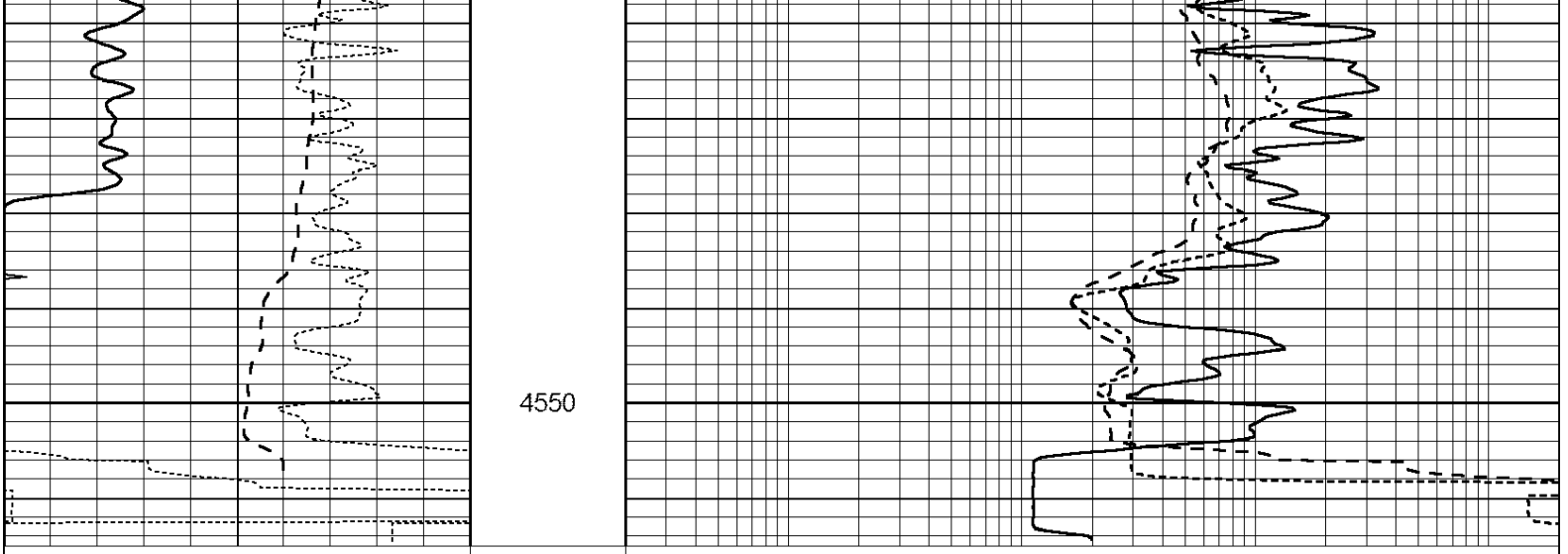
REPEAT SECTION

Database File:	2102ddn.db
Dataset Pathname:	pass4.1
Presentation Format:	_dil
Dataset Creation:	Mon Oct 16 06:29:26 2017 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

Calibration Report

Database File: 2102ddn.db
Dataset Pathname: pass4.1
Dataset Creation: Mon Oct 16 06:29:26 2017 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
Surface Cal Performed: Mon Aug 21 11:58:18 2017
Downhole Cal Performed: Mon Aug 21 11:58:21 2017
After Survey Verification Performed: Mon Aug 21 11:58:23 2017

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	620.000	0.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	590.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'

Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Compensated Density Calibration Report

Serial-Model: GEAR2-GEARHART
Source / Verifier: 147 / 147
Master Calibration Performed: Mon Feb 27 11:48:36 2017
Before Survey Verification Performed:
After Survey Verification Performed:

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	883.65	277.53	cps
Aluminum	2.590	g/cc	194.33	190.52	cps

Spine Angle = 76.05 Density/Spine Ratio = 0.564

	Size		Reading	
Small Ring	7.00	in	3.51	V
Large Ring	14.00	in	6.84	V

Before Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

After Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

Compensated Neutron Calibration Report

Serial Number: 6l
Tool Model: G

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

PRE-SURVEY VERIFICATION

	Detector	Readings		Measured		Target	
1)	Short Space		cps				
	Long Space		cps		pu		pu
2)	Short Space		cps				
	Long Space		cps		pu		
3)	Short Space		cps				
	Long Space		cps		pu		

POST-SURVEY VERIFICATION

	Detector	Readings	Measured	Target
1)	Short Space	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	pu
3)	Short Space	cps		
	Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Mon Aug 21 11:59:01 2017	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.5500	GAPI/cps