CORRECTION #1

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1075705

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5399
Name: American Energies Corporation
Address 1: 155 N MARKET STE 710
Address 2:
City: WICHITA State: KS Zip: 67202 + 1821
Contact Person: Mindy Wooten
Phone: (316) 263-5785
CONTRACTOR: License # 5399
Name: American Energies Corporation
Wellsite Geologist: David Goldak
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [ ] ENHR
- [ ] SIGW
- [ ] OG
- [ ] GSW
- [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic
- [ ] Other *(Core, Expl., etc.)*:

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

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

- [ ] Deepening
- [ ] Re-perf.
- [ ] Conv. to ENHR
- [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

07/14/2011	07/26/2011	08/18/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-151-22377-00-00
Spot Description:
S2 - SW - NE - SE Sec. 25 Twp. 29 S. R. 12 [ ] East [x] West
1400 Feet from [ ] North / [x] South Line of Section
990 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Pratt
Lease Name: Murphy Well #: 1-25
Field Name:
Producing Formation: 0
Elevation: Ground: 1866 Kelly Bushing: 1876
Total Depth: 4708 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 310 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 21500 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Messenger Petroleum
Lease Name: Nicholas A License #: 4706
Quarter NE Sec. 20 Twp. 30 S. R. 8 [ ] East [x] West
County: Kingman Permit #: 15-095-21052

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

- [x] **Letter of Confidentiality Received**
  Date: 09/08/2011
- [x] **Confidential Release Date:** 09/07/2013
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 03/05/2012

CORRECTION #1
Side Two

[redacted]

1075705

Operator Name: American Energies Corporation Lease Name: Murphy Well #: 1-25

Sec. 25 Twp. 29 S. R. 12 ☐ East ☑ West County: Pratt

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

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

Name	Top	Datum
Attached	Attached	Attached

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	8.6250	23	310	60/40	255	2% gel, 3% CC
Production	7.8750	5.5	15.5	4690	EA2	175	500 gallons mud flush, 20 bbls KCL flush

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	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	4616-4617		

TUBING RECORD: Size: 2.8750 Set At: 4655 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 09/06/2011

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:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Energies Corporation
Well Name	Murphy 1-25
Doc ID	1075705

All Electric Logs Run

Compensated Neutron/Density Log
Dual Induction Log
Micro Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	American Energies Corporation
Well Name	Murphy 1-25
Doc ID	1075705

Tops

Name	Top	Datum
Onaga Shale	2776	-900
Stotler	2966	-1090
Howard	3192	-1316
Topeka	3340	-1464
Kanwaka	3510	-1634
Heebner	3701	-1825
Lower Doug. Sd	3856	-1980
Lansing	3886	-2010
Marmaton	4306	-2430
Viola	4517	-2651
Simpson Sd	4602	-2726
Arbuckle	4684	-2808
RTD	4708	-2833

Summary of Changes

Lease Name and Number: Murphy 1-25

API/Permit #: 15-151-22377-00-00

Doc ID: 1075705

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	09/21/2011	03/05/2012
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1062854	../../kcc/detail/operatorEditDetail.cfm?docID=1075705
Well Type	GAS	OIL

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1062854

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 5399
Name: American Energies Corporation
Address 1: 155 N MARKET STE 710
Address 2:
City: WICHITA State: KS Zip: 67202 + 1821
Contact Person: Mindy Wooten
Phone: (316) 263-5785
CONTRACTOR: License # 5399
Name: American Energies Corporation
Wellsite Geologist: David Goldak
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [x] Gas
- [ ] D&A
- [ ] ENHR
- [ ] SIGW
- [ ] OG
- [ ] GSW
- [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic
- [ ] Other *(Core, Expl., etc.)*:

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

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

- [ ] Deepening
- [ ] Re-perf.
- [ ] Conv. to ENHR
- [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

07/14/2011	07/26/2011	08/18/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-151-22377-00-00
Spot Description:
S2 - SW - NE - SE Sec. 25 Twp. 29 S. R. 12 [ ] East [x] West
1400 Feet from [ ] North / [x] South Line of Section
990 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Pratt
Lease Name: Murphy Well #: 1-25
Field Name:
Producing Formation: 0
Elevation: Ground: 1866 Kelly Bushing: 1876
Total Depth: 4708 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 310 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 21500 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Messenger Petroleum
Lease Name: Nicholas A License #: 4706
Quarter NE Sec. 20 Twp. 30 S. R. 8 [ ] East [x] West
County: Kingman Permit #: 15-095-21052

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

- [x] **Letter of Confidentiality Received**
  Date: 09/08/2011
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 09/21/2011

Side Two

1062854

Operator Name: American Energies Corporation Lease Name: Murphy Well #: 1-25

Sec. 25 Twp. 29 S. R. 12 ☐ East ☑ West County: Pratt

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

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

Name	Top	Datum
Attached	Attached	Attached

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	8.6250	23	310	60/40	255	2% gel, 3% CC
Production	7.8750	5.5	15.5	4690	EA2	175	500 gallons mud flush, 20 bbls KCL flus

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	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	4616-4617		

TUBING RECORD: Size: 2.8750 Set At: 4655 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 09/06/2011

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:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Energies Corporation
Well Name	Murphy 1-25
Doc ID	1062854

All Electric Logs Run

Compensated Neutron/Density Log
Dual Induction Log
Micro Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	American Energies Corporation
Well Name	Murphy 1-25
Doc ID	1062854

Tops

Name	Top	Datum
Onaga Shale	2776	-900
Stotler	2966	-1090
Howard	3192	-1316
Topeka	3340	-1464
Kanwaka	3510	-1634
Heebner	3701	-1825
Lower Doug. Sd	3856	-1980
Lansing	3886	-2010
Marmaton	4306	-2430
Viola	4517	-2651
Simpson Sd	4602	-2726
Arbuckle	4684	-2808
RTD	4708	-2833

DRILL STEM TEST REPORT

American Energies Corp.

155 N.Market,Ste.155
Wichita Ks.67202

ATTN: David Goldak

Murphy#1-25

25-29s-12w Pratt Ks.

Job Ticket: 042518 **DST#: 1**

Test Start: 2011.07.20 @ 09:44:37

GENERAL INFORMATION:

Formation: **Indian Cave**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:19:07
Time Test Ended: 16:04:07

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 56

Interval: 2768.00 ft (KB) To 2814.00 ft (KB) (TVD)
Total Depth: 2814.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

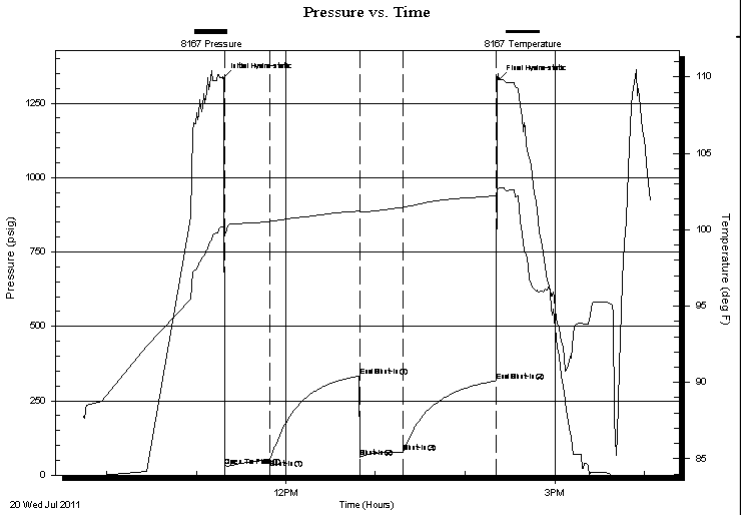
Reference Elevations: 1876.00 ft (KB)
1866.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 54.52 psig @ 2769.00 ft (KB)
Start Date: 2011.07.20 End Date: 2011.07.20
Start Time: 09:44:42 End Time: 16:04:06

Capacity: 8000.00 psig
Last Calib.: 2011.07.20
Time On Btm: 2011.07.20 @ 11:18:07
Time Off Btm: 2011.07.20 @ 14:22:22

TEST COMMENT: IF:Strong blow . B.O.B. in 4 1/2 mins.
ISI:No blow .
FF:Weak to fair blow . Slow increase to 8".
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1335.02	100.16	Initial Hydro-static
1	28.86	99.65	Open To Flow (1)
32	54.52	100.54	Shut-In(1)
92	333.25	101.23	End Shut-In(1)
92	58.64	101.18	Shut-In(2)
121	76.06	101.47	Shut-In(3)
183	317.57	102.21	End Shut-In(2)
185	1330.20	102.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	WM 49%w 51%m/Rw .1ohms@107deg	0.64
0.00	240 ft.of GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corp.

155 N.Market,Ste.155
Wichita Ks.67202

ATTN: David Goldak

Murphy#1-25

25-29s-12w Pratt Ks.

Job Ticket: 042518 **DST#: 1**

Test Start: 2011.07.20 @ 09:44:37

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	47000 ppm
Viscosity:	32.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	42000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

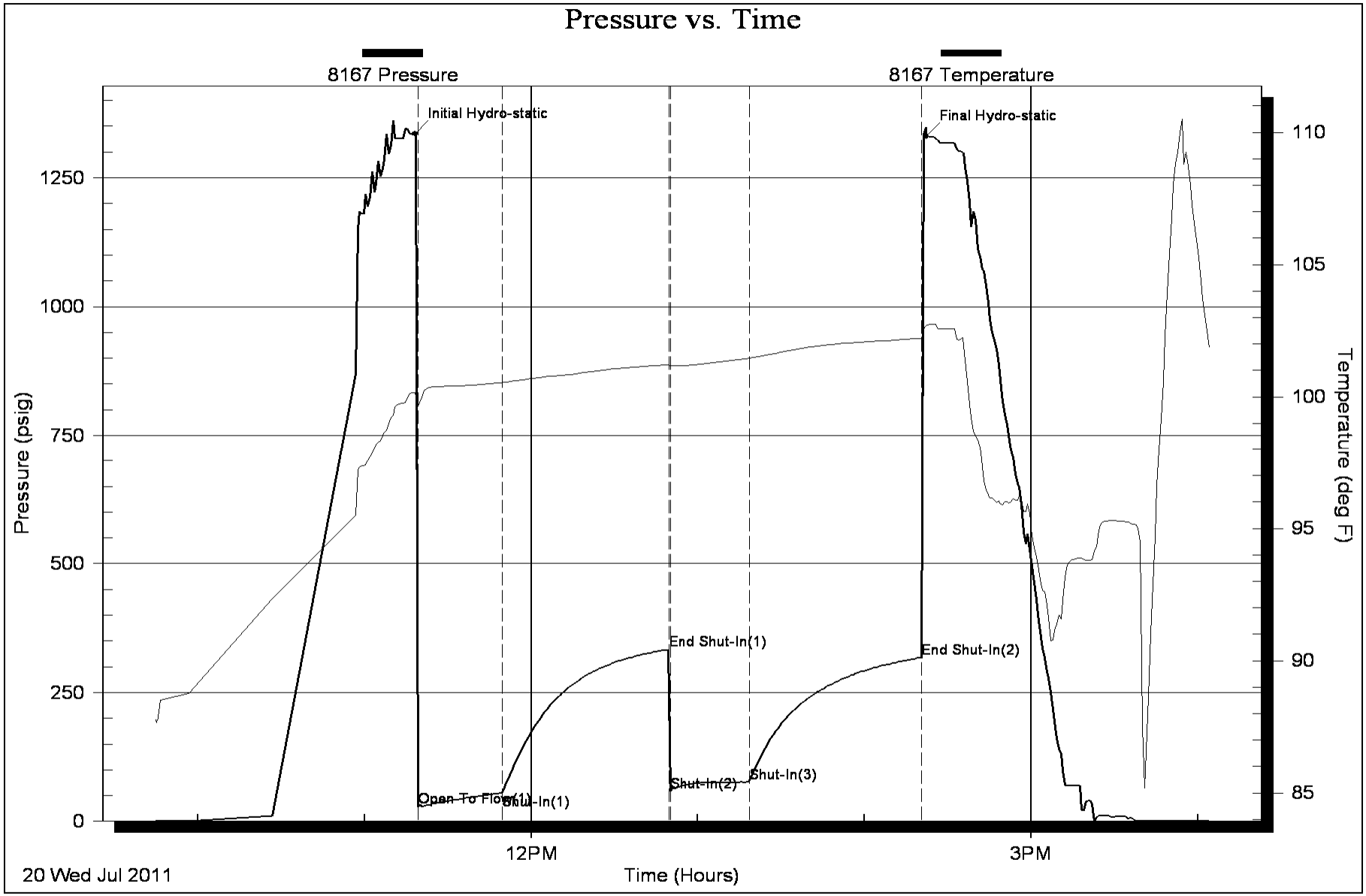
Length ft	Description	Volume bbl
125.00	WM 49%w 51%m/Rw .1ohms@107deg	0.642
0.00	240 ft.of GIP	0.000

Total Length: 125.00 ft Total Volume: 0.642 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Shut-In(2)
Shut-In(3)
Pressure (psig)
Temperature (deg F)
1250
1000
750
500
250
0
110
105
100
95
90
85
12PM
3PM
20 Wed Jul 2011
Time (Hours)

DRILL STEM TEST REPORT

American Energies Corp.

155 N.Market,Ste.155
Wichita Ks.67202

ATTN: David Goldak

Murphy#1-25

25-29s-12w Pratt Ks.

Job Ticket: 042519 **DST#: 2**

Test Start: 2011.07.21 @ 12:37:45

GENERAL INFORMATION:

Formation: **Bern Ls**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:31:30
Time Test Ended: 20:10:30

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 56

Interval: 3150.00 ft (KB) To 3202.00 ft (KB) (TVD)
Total Depth: 3202.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

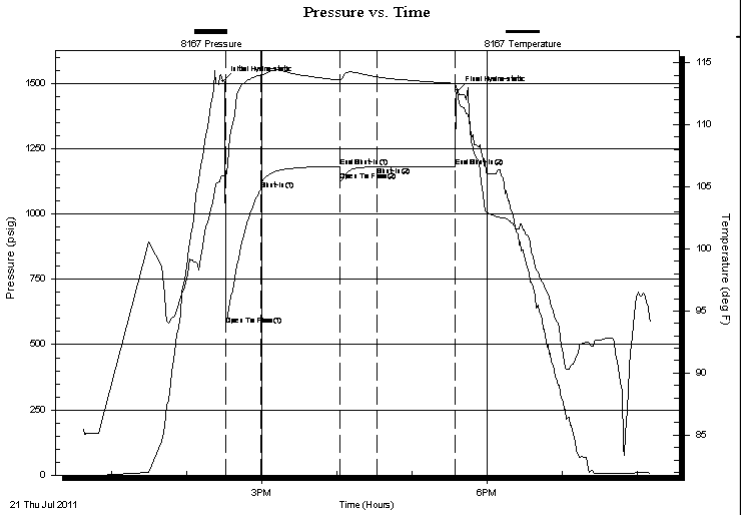
Reference Elevations: 1876.00 ft (KB)
1866.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 1180.98 psig @ 3151.00 ft (KB)
Start Date: 2011.07.21 End Date: 2011.07.21
Start Time: 12:37:50 End Time: 20:10:29

Capacity: 8000.00 psig
Last Calib.: 2011.07.21
Time On Btm: 2011.07.21 @ 14:29:15
Time Off Btm: 2011.07.21 @ 17:36:30

TEST COMMENT: IF:Strong blow . B.O.B. in 35 secs.
ISI:No blow .
FF:Strong blow . B.O.B. in 51 secs.Decreasing back to 5" after 30 mins.
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1509.69	105.93	Initial Hydro-static
3	576.14	105.78	Open To Flow (1)
30	1092.64	114.01	Shut-In(1)
94	1181.11	113.60	End Shut-In(1)
94	1126.45	113.58	Open To Flow (2)
123	1180.98	113.87	Shut-In(2)
186	1182.53	113.35	End Shut-In(2)
188	1473.88	112.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2210.00	GCW 4%g 96%w	29.89
310.00	MW 15%m 85%w	4.35

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corp.

155 N.Market,Ste.155
Wichita Ks.67202

ATTN: David Goldak

Murphy#1-25

25-29s-12w Pratt Ks.

Job Ticket: 042519 **DST#: 2**

Test Start: 2011.07.21 @ 12:37:45

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	105000 ppm
Viscosity:	33.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	25000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

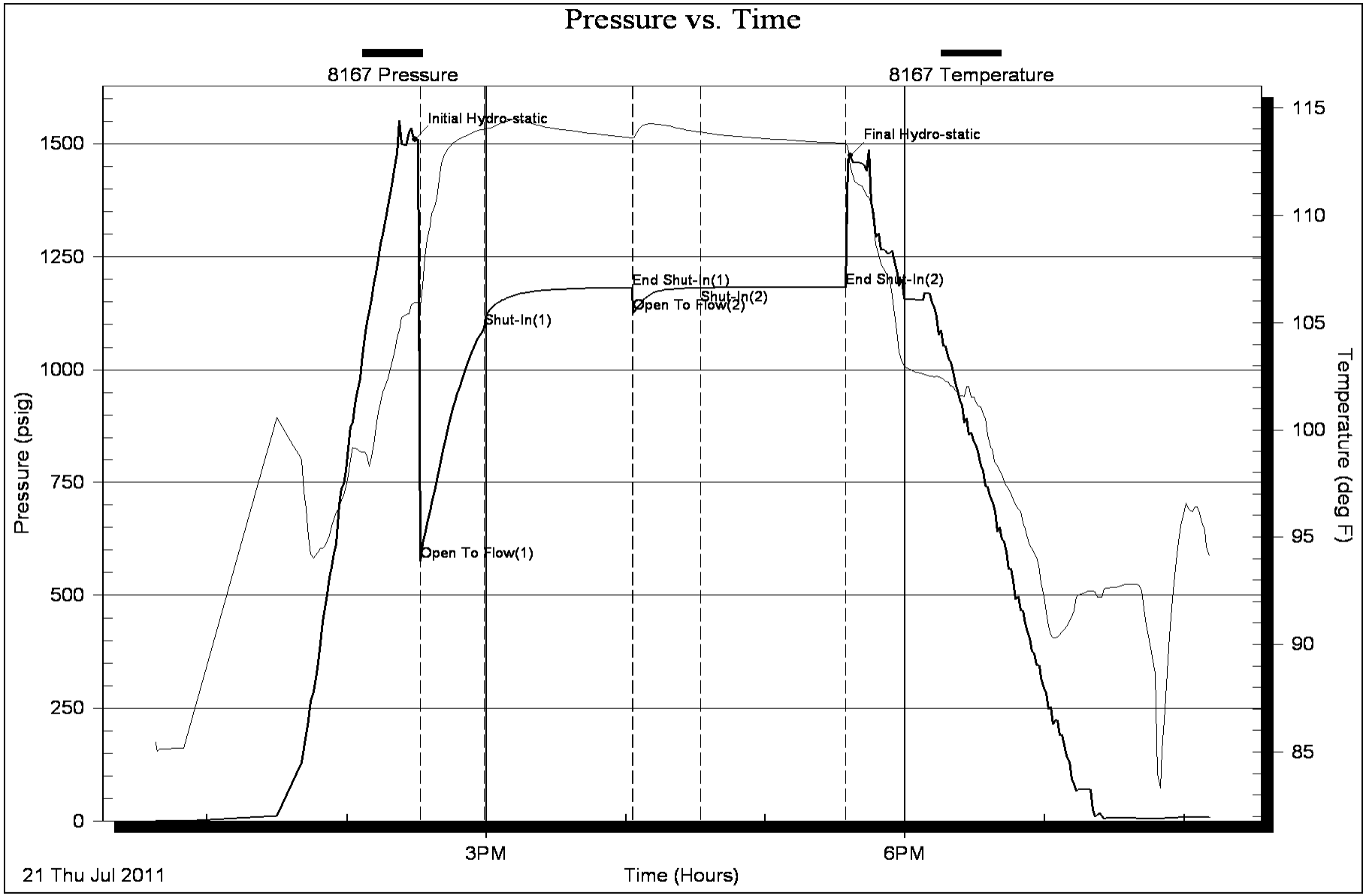
Length ft	Description	Volume bbl
2210.00	GCW 4%g 96%w	29.889
310.00	MW 15%m 85%w	4.348

Total Length: 2520.00 ft Total Volume: 34.237 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .055ohms@97deg


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
Shut-In(2)
End Shut-In(2)
Open To Flow(2)
Shut-In(1)
Open To Flow(1)
1500
1250
1000
750
500
250
0
115
110
105
100
95
90
85
Pressure (psig)
Temperature (deg F)
3PM
6PM
21 Thu Jul 2011
Time (Hours)

DRILL STEM TEST REPORT

American Energies Corp.

155 N.Market,Ste.155
Wichita Ks.67202

ATTN: David Goldak

Murphy#1-25

25-29s-12w Pratt Ks.

Job Ticket: 042520 **DST#: 3**

Test Start: 2011.07.23 @ 04:03:02

GENERAL INFORMATION:

Formation: **Lwr.Douglas SS**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:20:32
Time Test Ended: 12:12:47

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 56

Interval: 3858.00 ft (KB) To 3864.00 ft (KB) (TVD)
Total Depth: 3864.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

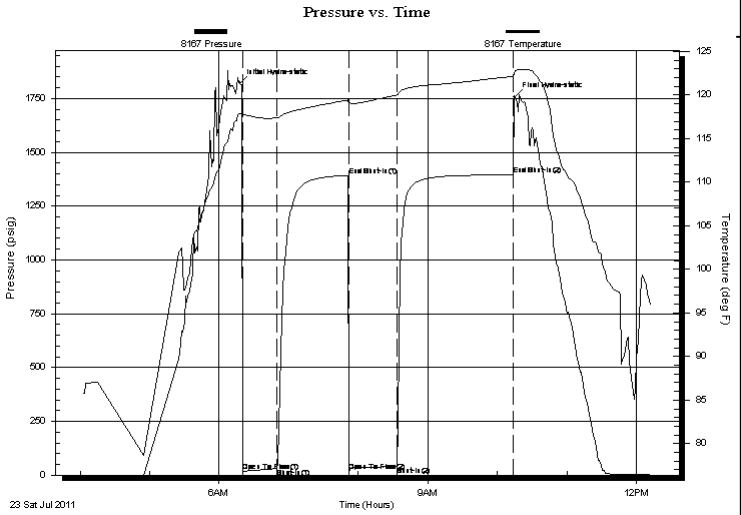
Reference Elevations: 1876.00 ft (KB)
1866.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 40.75 psig @ 3859.00 ft (KB)
Start Date: 2011.07.23 End Date: 2011.07.23
Start Time: 04:03:07 End Time: 12:12:46

Capacity: 8000.00 psig
Last Calib.: 2011.07.23
Time On Btm: 2011.07.23 @ 06:18:02
Time Off Btm: 2011.07.23 @ 10:15:17

TEST COMMENT: IF:Strong blow . B.O.B. in 2 mins.
ISI:No blow .
FF:Strong blow . B.O.B. in 1 - 2 secs. GTS in 16 mins.(see gas flow report)
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.10	117.84	Initial Hydro-static
3	15.95	117.65	Open To Flow (1)
32	30.56	117.40	Shut-In(1)
94	1392.82	119.44	End Shut-In(1)
94	18.64	119.00	Open To Flow (2)
136	40.75	120.03	Shut-In(2)
236	1396.05	122.16	End Shut-In(2)
238	1756.90	122.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	MW 45%m 55%w / Rw .16ohms@101deg	0.32

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate	0.25	3.50	28.40
Max. Gas Rate	0.25	3.50	28.40

DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corp.

155 N.Market,Ste.155
Wichita Ks.67202

ATTN: David Goldak

Murphy#1-25

25-29s-12w Pratt Ks.

Job Ticket: 042520 **DST#: 3**

Test Start: 2011.07.23 @ 04:03:02

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	28000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

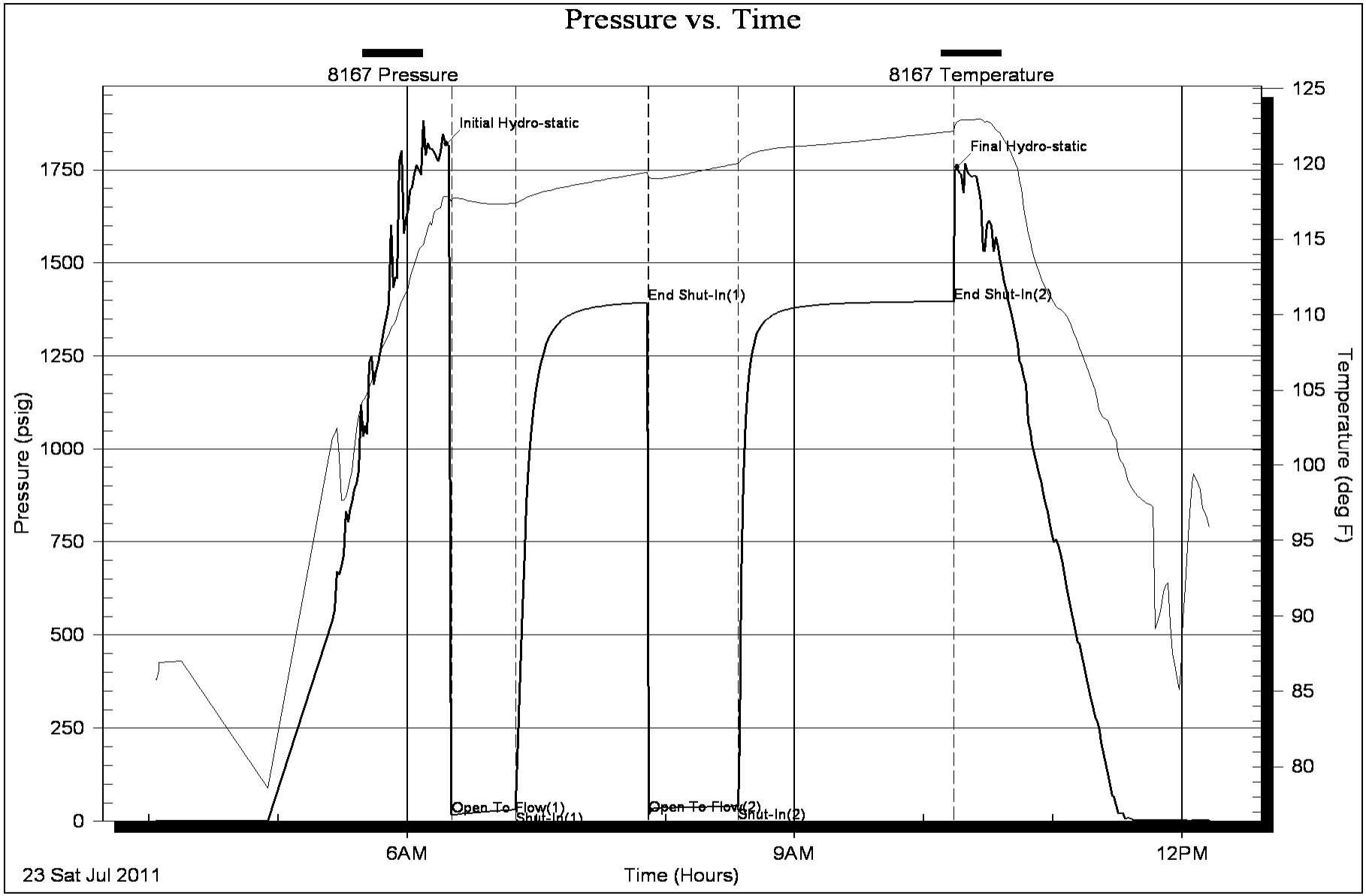
Length ft	Description	Volume bbl
65.00	MW 45%m 55%w / Rw .16ohms@101deg	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-3

Laboratory Name: Caraway Laboratory Location:

Recovery Comments:


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
80
6AM
9AM
12PM
23 Sat Jul 2011
Time (Hours)

DRILL STEM TEST REPORT

American Energies Corp.

155 N.Market,Ste.155
Wichita Ks.67202

ATTN: David Goldak

Murphy#1-25

25-29s-12w Pratt Ks.

Job Ticket: 042522 **DST#: 4**

Test Start: 2011.07.25 @ 17:35:26

GENERAL INFORMATION:

Formation: **Simpson SS**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:45:11
Time Test Ended: 02:21:41

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 56

Interval: 4586.00 ft (KB) To 4615.00 ft (KB) (TVD)
Total Depth: 4615.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

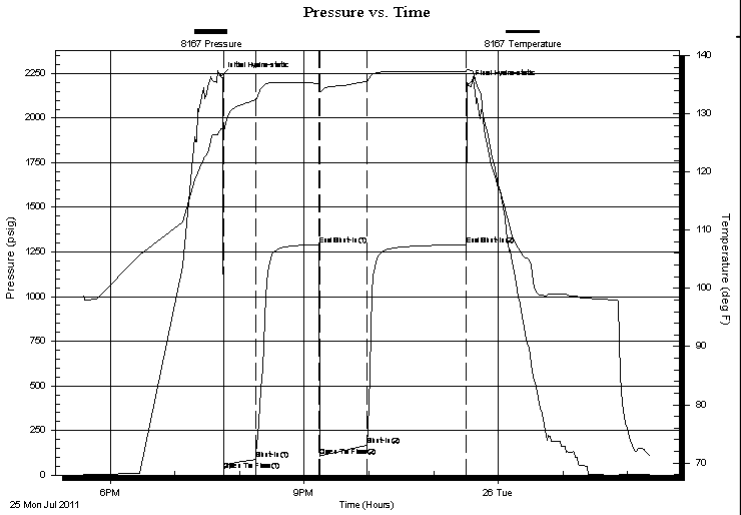
Reference Elevations: 1876.00 ft (KB)
1866.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 168.28 psig @ 4587.00 ft (KB)
Start Date: 2011.07.25 End Date: 2011.07.26
Start Time: 17:35:31 End Time: 02:21:41

Capacity: 8000.00 psig
Last Calib.: 2011.07.26
Time On Btm: 2011.07.25 @ 19:42:41
Time Off Btm: 2011.07.25 @ 23:31:56

TEST COMMENT: IF:Strong blow . B.O.B. in 7 mins.
ISI:Fair blow . Increase to 11".
FF:Strong blow . B.O.B. in 11 secs.GTS in 9 mins.(see gas flow report)
FSI:Fair to strong blow . B.O.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.98	127.41	Initial Hydro-static
3	27.28	127.03	Open To Flow (1)
32	91.58	132.43	Shut-In(1)
91	1292.17	135.26	End Shut-In(1)
93	106.95	133.96	Open To Flow (2)
136	168.28	135.64	Shut-In(2)
228	1290.79	137.29	End Shut-In(2)
230	2189.68	137.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OCMW 5%o 11%m 84%w	0.32
0.00	Rw .12 ohms@78 deg	0.00
242.00	GM&WCO 36%g 4%m 16%w 44%o	2.88
110.00	GMCO 60%g 18%m 22%o	1.54

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	1.00	24.43

DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corp.

155 N.Market,Ste.155
Wichita Ks.67202

ATTN: David Goldak

Murphy#1-25

25-29s-12w Pratt Ks.

Job Ticket: 042522 **DST#: 4**

Test Start: 2011.07.25 @ 17:35:26

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	59000 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	12.59 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	OCMW 5%o 11%m 84%w	0.320
0.00	Rw .12 ohms@78 deg	0.000
242.00	GM&WCO 36%g 4%m 16%w 44%o	2.875
110.00	GMCO 60%g 18%m 22%o	1.543

Total Length: 417.00 ft Total Volume: 4.738 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-4

Laboratory Name: caraway Laboratory Location:

Recovery Comments:

DRILL STEM TEST REPORT

GAS RATES

American Energies Corp.

155 N.Market,Ste.155
Wichita Ks.67202

ATTN: David Goldak

Murphy#1-25

25-29s-12w Pratt Ks.

Job Ticket: 042522 **DST#: 4**

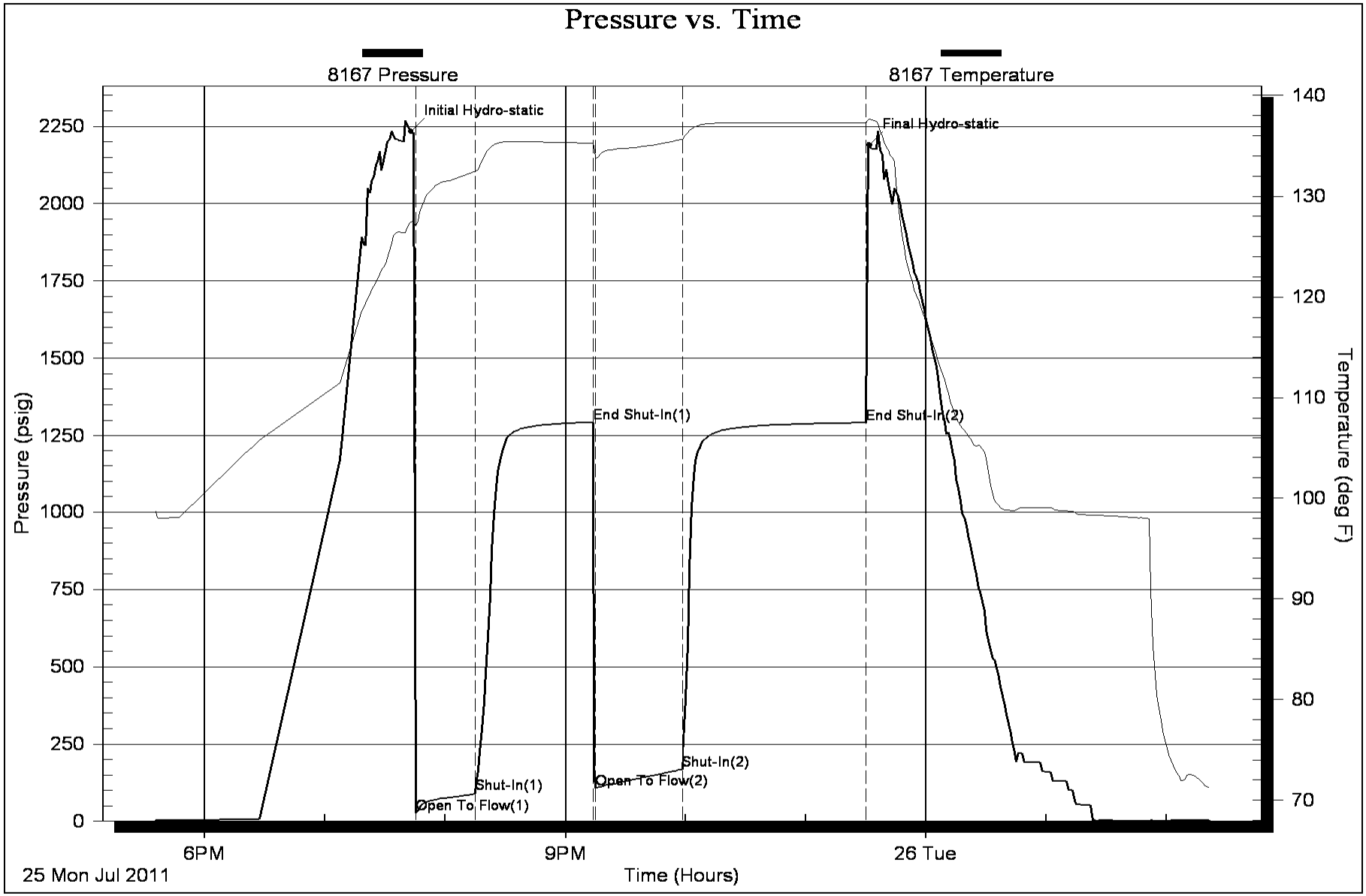
Test Start: 2011.07.25 @ 17:35:26

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m^3/d)
2	20	0.25	1.00	24.43
2	20	0.25	1.00	24.43
2	20	0.25	1.00	24.43


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Shut-In(2)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
140
130
120
110
100
90
80
70
6PM
9PM
26 Tue
25 Mon Jul 2011
Time (Hours)

INVOICE

Invoice Number: 127889
Invoice Date: Jul 15, 2011
Page: 1

(785) 483-3887
(785) 483-5566

Bill To:

American Energies Corp.
155 N. Market Ste. #710
Wichita, KS 67202

Federal Tax I.D.#: 20-5975804

2026.00 1

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Am Eng	Murphy #1-25	Net 30 Days	
Job Location	**Camp Location**	**Service Date**	**Due Date**
KS1-01	Medicine Lodge	Jul 15, 2011	8/14/11

Quantity	Item	Description	Unit Price	Amount
153.00	MAT	Class A Common	16.25	2,486.25
102.00	MAT	Pozmix	8.50	867.00
5.00	MAT	Gel	21.25	106.25
9.00	MAT	Chloride	58.20	523.80
269.00	SER	Handling	2.25	605.25
15.00	SER	Mileage	29.59	443.85
1.00	SER	Surface	1,125.00	1,125.00
30.00	SER	Heavy Vehicle Mileage	7.00	210.00
30.00	SER	Light Vehicle Mileage	4.00	120.00
1.00	EQP	8 5/8 Wooden Plug	92.00	92.00
1.00	EQUIP OPER	Matt Thimesch		
1.00	EQUIP OPER	Jason Thimesch		
1.00	EQUIP OPER	Harry Piper		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

$ 137.58

ONLY IF PAID ON OR BEFORE
Aug 9, 2011

Subtotal	6,579.40
Sales Tax	297.50
Total Invoice Amount	6,876.90
Payment/Credit Applied	
TOTAL	**6,876.90**

RECD JUL 28 2011

CEMENTING CO., LLC.

Federal Tax I.D.# 20-5975804

BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Med. Lodge

DATE 7-15-11	SEC 25	TWP 29s	RANGE 12w	CALLED OUT	ON LOCATION	JOB START 11:00am	JOB FINISH 2:00am
LEASE Murphy	WELL # 1-25		LOCATION Isabel KS 1N, 1w, 1/4N, w into			COUNTY Barber	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Pickrell Drilling
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 316'
CASING SIZE 8 5/8 DEPTH 310'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 300 psi MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 20'
PERFS.
DISPLACEMENT 18½ bbls H2O

OWNER American Energies

CEMENT
AMOUNT ORDERED 255 sx 60:40:3%cc+2%gel

EQUIPMENT

PUMP TRUCK CEMENTER Matt Thiessen
360/265 HELPER Jason Thiessen
BULK TRUCK
363/280 DRIVER Eddie Mayer
BULK TRUCK
DRIVER

REMARKS:

Brk circ w/ Rig pump 3 bbls H2O ahead mix 255 sx cement Shutdown Release plug disp 18½ bbls H2O cement to surface Shutin

COMMON A	153 sx	@ 16.25	2486.25
POZMIX	102 sx	@ 8.50	867.00
GEL	5 sx	@ 21.25	106.25
CHLORIDE	9 sx	@ 58.20	523.50
ASC		@	
HANDLING	269	@ 2.25	605.25
MILEAGE	269 - 11 - 15		443.85
		TOTAL	5032.40

SERVICE

DEPTH OF JOB 310'			
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE		@	
MILEAGE	30	@ 7.00	210.00
MANIFOLD		@	
light vehicle	30	@ 4.00	120.00
		@	
		TOTAL	1455.00

CHARGE TO: American Energies
STREET
CITY STATE ZIP

8 5/8 PLUG & FLOAT EQUIPMENT

1-Wooden Plug			92.00
		@	
		@	
		@	
		@	
		@	
		TOTAL	92.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 6579.40
DISCOUNT 20% IF PAID IN 30 DAYS
Net 5263.52

PRINTED NAME Mike Kern
SIGNATURE Mike Kern

RECD JUL 22 2011

SWIFT Services, Inc.
P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300

Invoice

DATE	INVOICE #
7/27/2011	20943

BILL TO

American Energies Corporation
155 North Market Street
710 Market Centre Building
Wichita, KS 67202

3501.81

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-25	Murphy	Pratt	Pickrell Drilling	Oil	Development	5-1/2" LongString	Jason

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	100	Miles	6.00	600.00
578D-L	Pump Charge - Long String - 4692 Feet	1	Job	1,500.00	1,500.00
402-5	5 1/2" Centralizer	8	Each	70.00	560.00T
403-5	5 1/2" Cement Basket	2	Each	250.00	500.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	350.00	350.00T
281	Mud Flush	500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
276	Flocele	57	Lb(s)	2.00	114.00T
283	Salt	1,150	Lb(s)	0.20	230.00T
284	Calseal	11	Sack(s)	35.00	385.00T
285	CFR-1	150	Lb(s)	4.00	600.00T
290	D-Air	2.5	Gallon(s)	35.00	87.50T
325	Standard Cement	225	Sacks	13.50	3,037.50T
581D	Service Charge Cement	225	Sacks	2.00	450.00
583D	Drayage	1,180.35	Ton Miles	1.00	1,180.35
	Subtotal				10,519.35
	Sales Tax Pratt County			7.30%	495.60

We Appreciate Your Business!

Total $11,014.95

RECD AUG 02 2011

SWIFT Services, Inc.

CHARGE TO: AMERICAN ENERGIES
ADDRESS
CITY, STATE, ZIP CODE

TICKET 20943

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. NESS CITY, KS.		MURPHY 1-25	PRATT	KS.	ISABEL, KS.	27July11	
2.	TICKET TYPE ☒ SERVICE ☐ SALES / CONTRACTOR: PICKRELL DRILLING		RIG NAME/NO.	SHIPPED VIA	DELIVERED TO: LOCATION	ORDER NO.	
3.	WELL TYPE: OIL	WELL CATEGORY: DEVELOPMENT	JOB PURPOSE: 5½ LONGSTRING		WELL PERMIT NO.	WELL LOCATION: 1N, 1W, ¼N, W into	
4.							
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		1			MILEAGE #110	100	MIC			6 00	600 00
578		1			PUMP CHARGE	1	JOB	4692	FT.	1500 00	1500 00
402		1			CENTRALIZERS	8	EA.			70 00	560 00
403		1			CEMENT BASKETS	2	EA.			250 00	500 00
406		1			LATCH DOWN PLUG & BAFFLE	1	EA.			250 00	250 00
407		1			INSERT FLOAT SHOE W/AUTO FILL	1	EA.			350 00	350 00
281		1			MUD FLUSH	500	GAL			1 25	625 00
221		1			LIQUID KCL	2	GAL			25 00	50 00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED: 27July11 TIME SIGNED: 1230 ☐ A.M. ☒ P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 1 & 2	4435 00 / 6084 35
subtotal	10519 35
Pratt TAX 7.3%	495 60
TOTAL	11,014 95

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: Jose E Rail

APPROVAL

Thank You!

SWIFT Services, Inc.

PO Box 466.
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 20943

CUSTOMER: AMERICAN ENERGIES. | WELL: MURPHY 1-25 | DATE: 27 July 11 | PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
276		1				FLOCELE	57	lbs			2.00	114.00
283		1				SALT	1150	lbs			.20	230.00
284		1				CALSEAL	11	SX			35.00	385.00
285		1				CFR-1	150	lbs.			4.00	600.00
290		1				D-AIR	2½	gal			35.00	87.50
325		1				STANDARD CEMENT	225	SX			13.50	3037.50
581		1				SERVICE CHARGE	CUBIC FEET	225sx			2.00	450.00
583		1				MILEAGE CHARGE TOTAL WEIGHT 23607 LOADED MILES 700	TON MILES	1180.35			1.00	1180.35
											CONTINUATION TOTAL	6084.35

RECD AUG 9 2011

JOB LOG

SWIFT Services, Inc.

DATE 27 July 11 | PAGE NO. 1

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
American Energies		Murphy 1-25	5½ Longstring	20943

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	0650							ON LOCATION
	0730							START PIPE 5½-15.5#
								RTD@4708 LTD@4709
								SHOE ST. 16.22 SET@4690
								CENTRALIZERS, 1,3,5,9,14,18,21,24
								BASKETS 5,24
	1008							DROP BALL CIRCULATE
	1114	6	12		2		200	Pump 500 gal MUD FLUSH
	1116	6	20		2		200	Pump 20 BBL KCL FLUSH
	1121		7,5		2			PLUG RH/MH (30sx-20sx)
	1125	4	42½		2			MIX 175 SX EA 2
	1141							WASH OUT PUMPING LINES.
	1143	6			2			RELEASE PLUG START DISPLACEMENT
	1202	8	111½		2		1500	PLUG DOWN PRESSURE UP LATCH PLUG IN
	1205							RELEASE PRESSURE DRY
	1206							WASH TRUCK
	1230							JOB COMPLETE
								THANKS #110
								JASON JEFF LANE
								RECD AUG 02 2011

SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

COMPENSATED NEUTRON/DENSITY LOG

Company	AMERICAN ENERGIES CORP.
Well	MURPHY #1-25
Field	WILDCAT
County	PRATT
State	KANSAS

Company AMERICAN ENERGIES CORPORATION
Well MURPHY #1-25
Field WILDCAT
County PRATT State KANSAS

Location: API # : 15-151-22377-0000
1400' FSL & 990' FEL
SEC 25 TWP 29S RGE 12W

Other Services
DIL
MEL

Permanent Datum	GROUND LEVEL	Elevation	1866
Log Measured From	KELLY BUSHING 10' A.G.L.		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 1876
D.F. 1874
G.L. 1866

Date	7/26/11		
Run Number	ONE		
Depth Driller	4708		
Depth Logger	4709		
Bottom Logged Interval	4686		
Top Log Interval	2600		
Casing Driller	8 5/8" @ 310		
Casing Logger	310		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4000 PPM	
Density / Viscosity	9.2/53		
pH / Fluid Loss	9.0/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.60 @ 104F		
Rmf @ Meas. Temp	0.45 @ 104F		
Rmc @ Meas. Temp	0.72 @ 104F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.51 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	6:45 P.M		
Maximum Recorded Temperature	122F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	DAN GOTTSCHALK		
Witnessed By	DAVE GOLDAK		

<<< Fold Here >>>

Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
SAWYER - 6 EAST - 3/4 SOUTH - WEST INTO

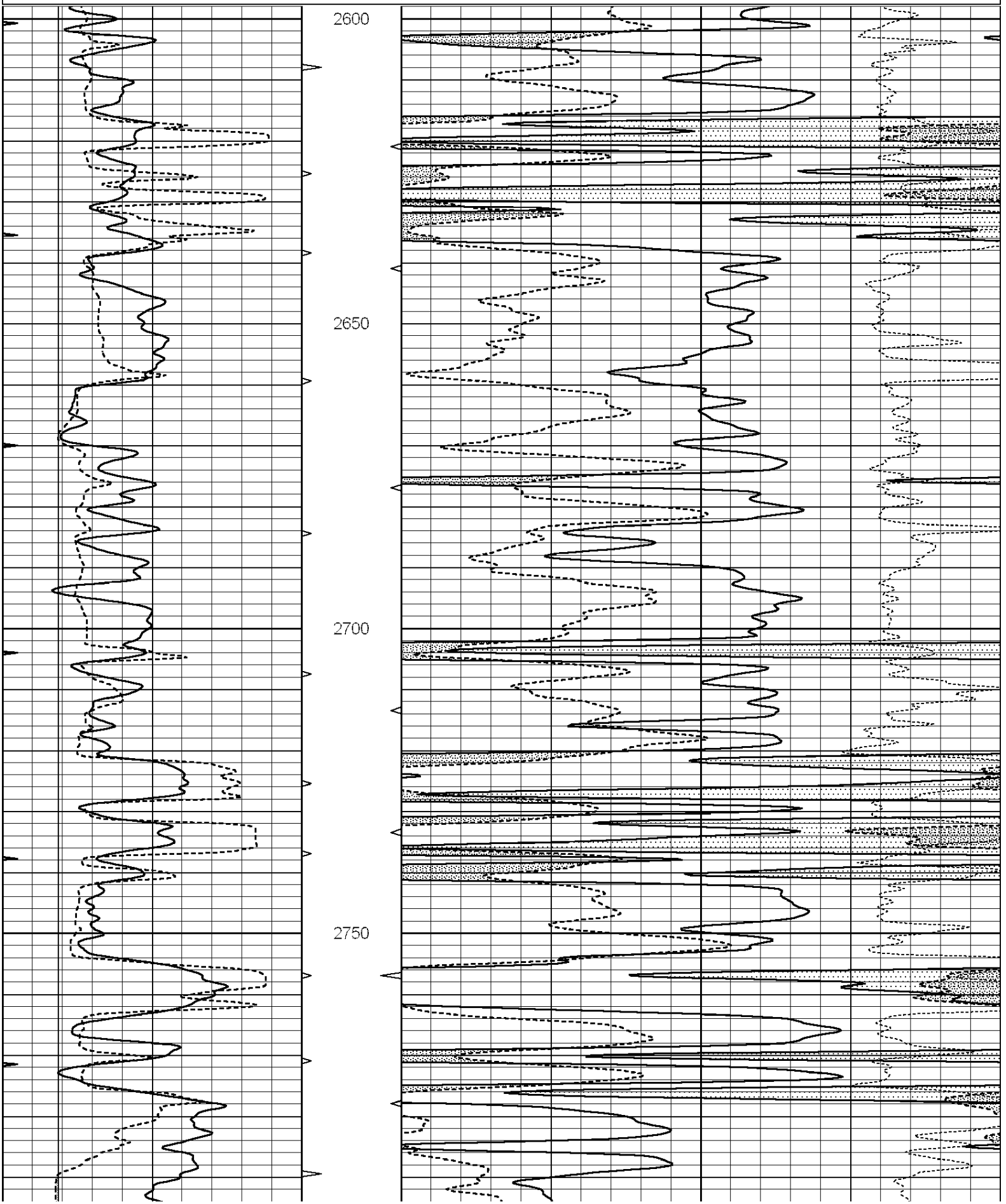
Database File:	006376ddn.db
Dataset Pathname:	pass3.2
Presentation Format:	_den_neu
Dataset Creation:	Tue Jul 26 20:42:37 2011 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

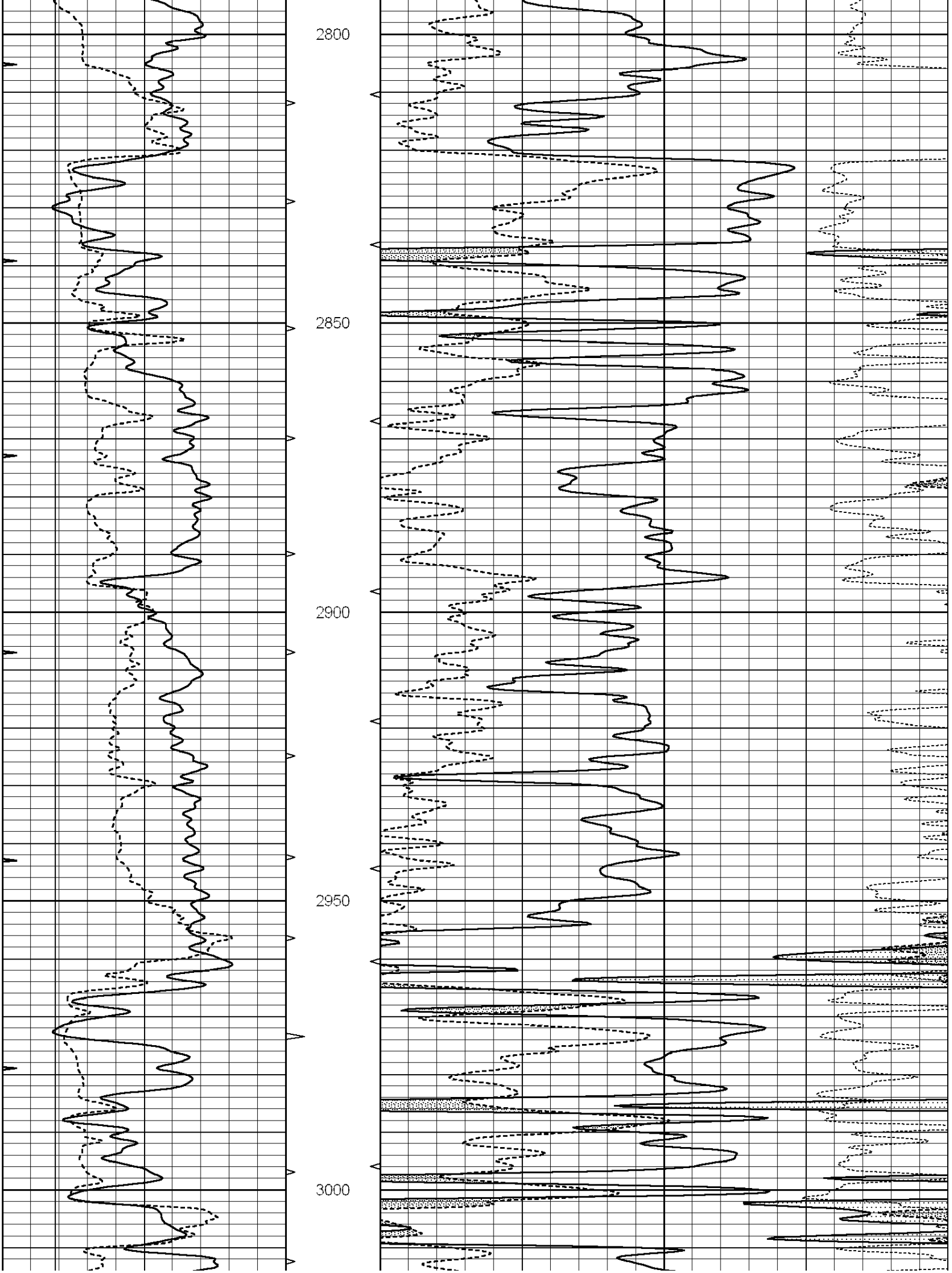
Charted by: Depth in Feet scaled 1:240

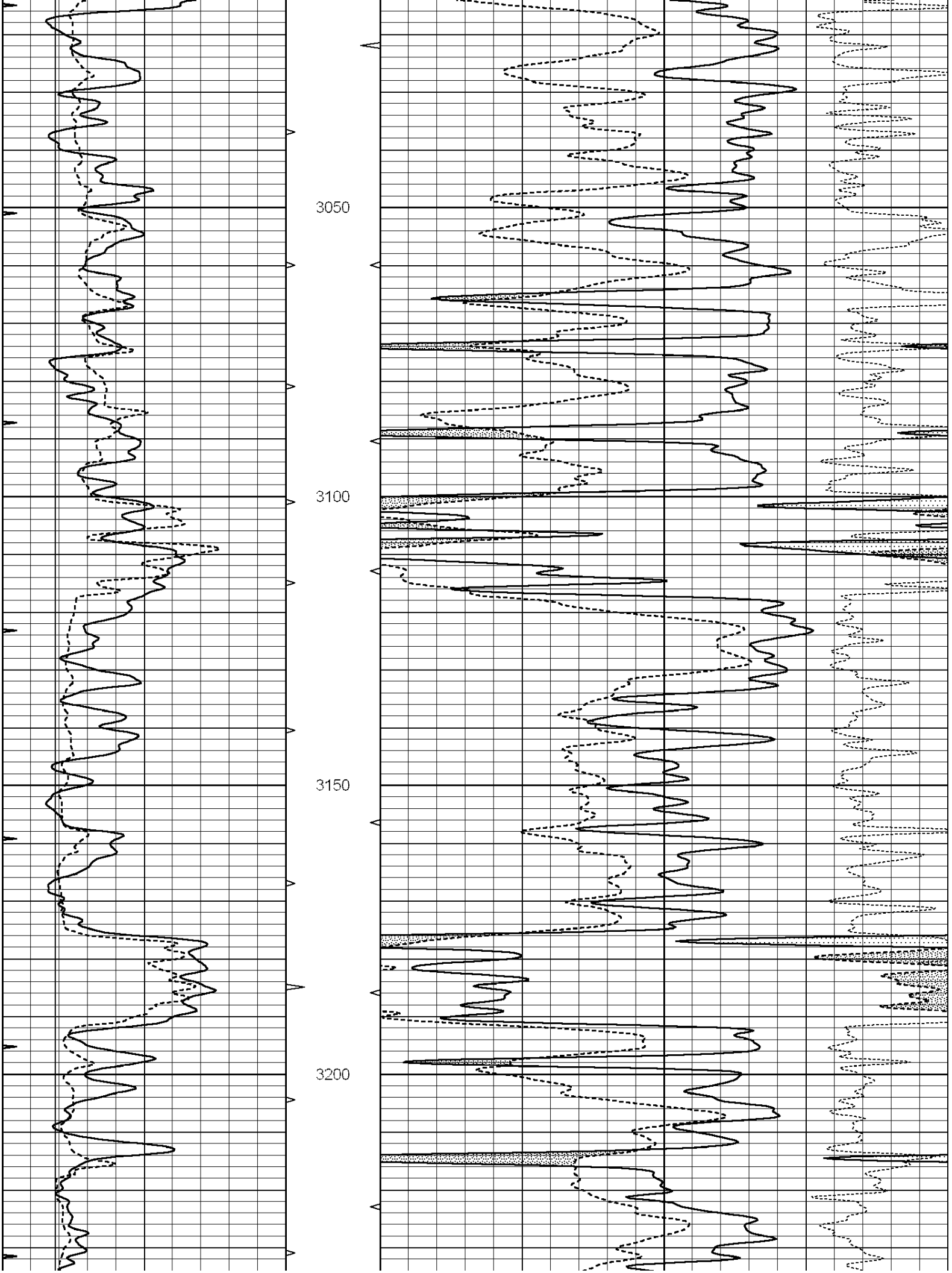
0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
0	MINMK	20

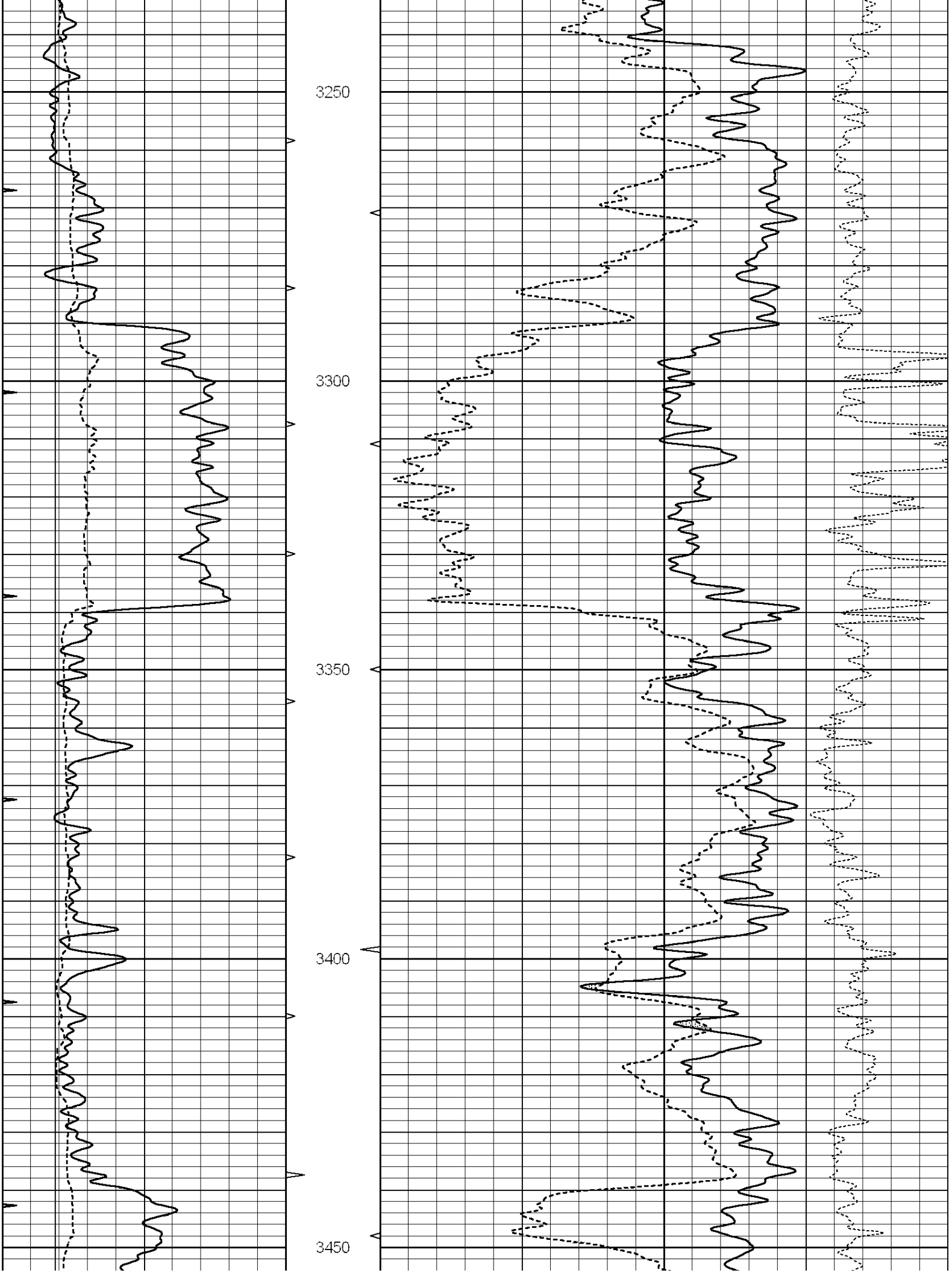
AVTX		
10	(ft3)	0
BVTX		
0	(ft3)	10

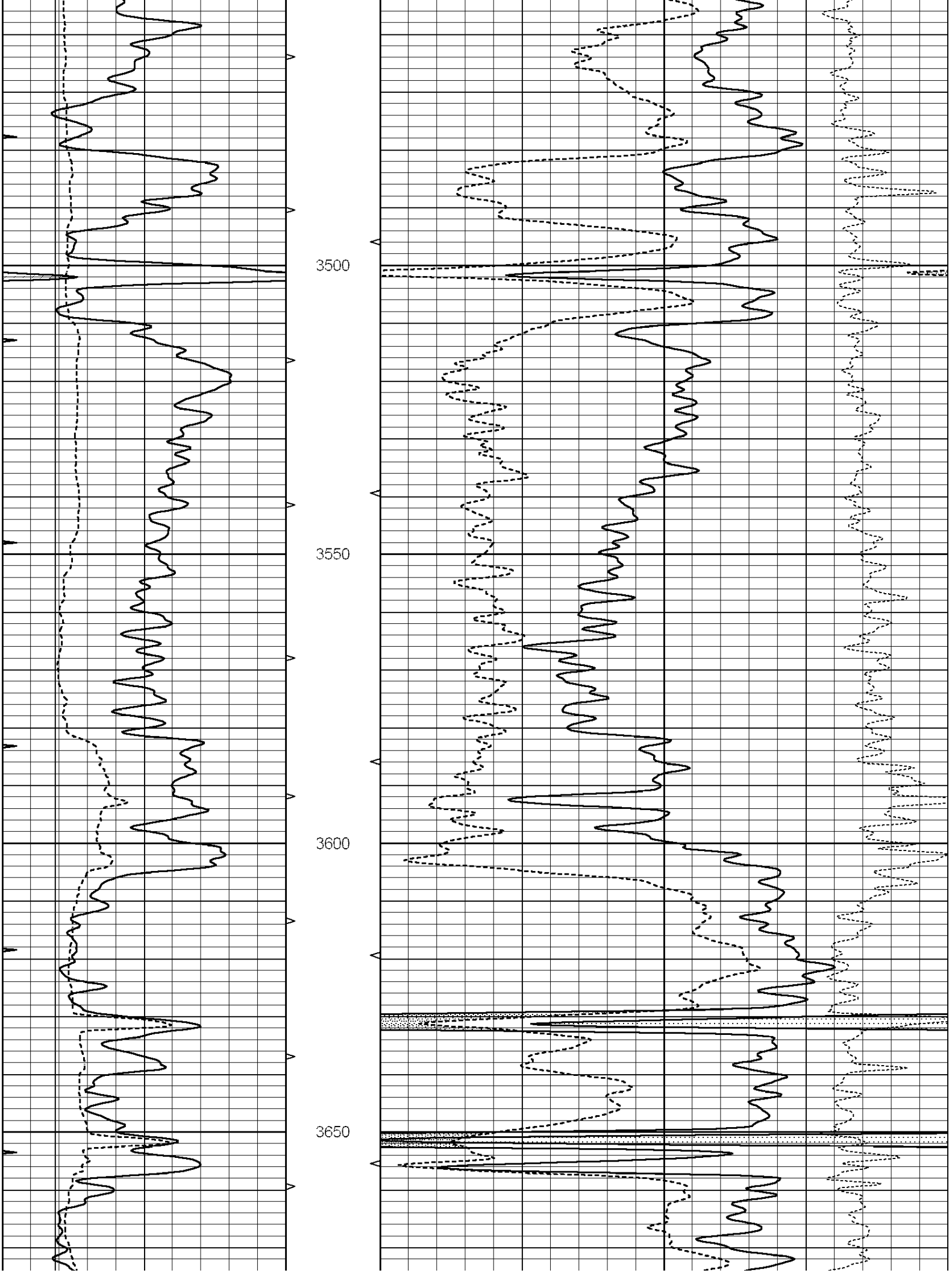
30	COMPENSATED DENSITY (pu)	-10
30	COMPENSATED NEUTRON (pu)	-10
-0.25	CORRECTION (g/cc)	0.25

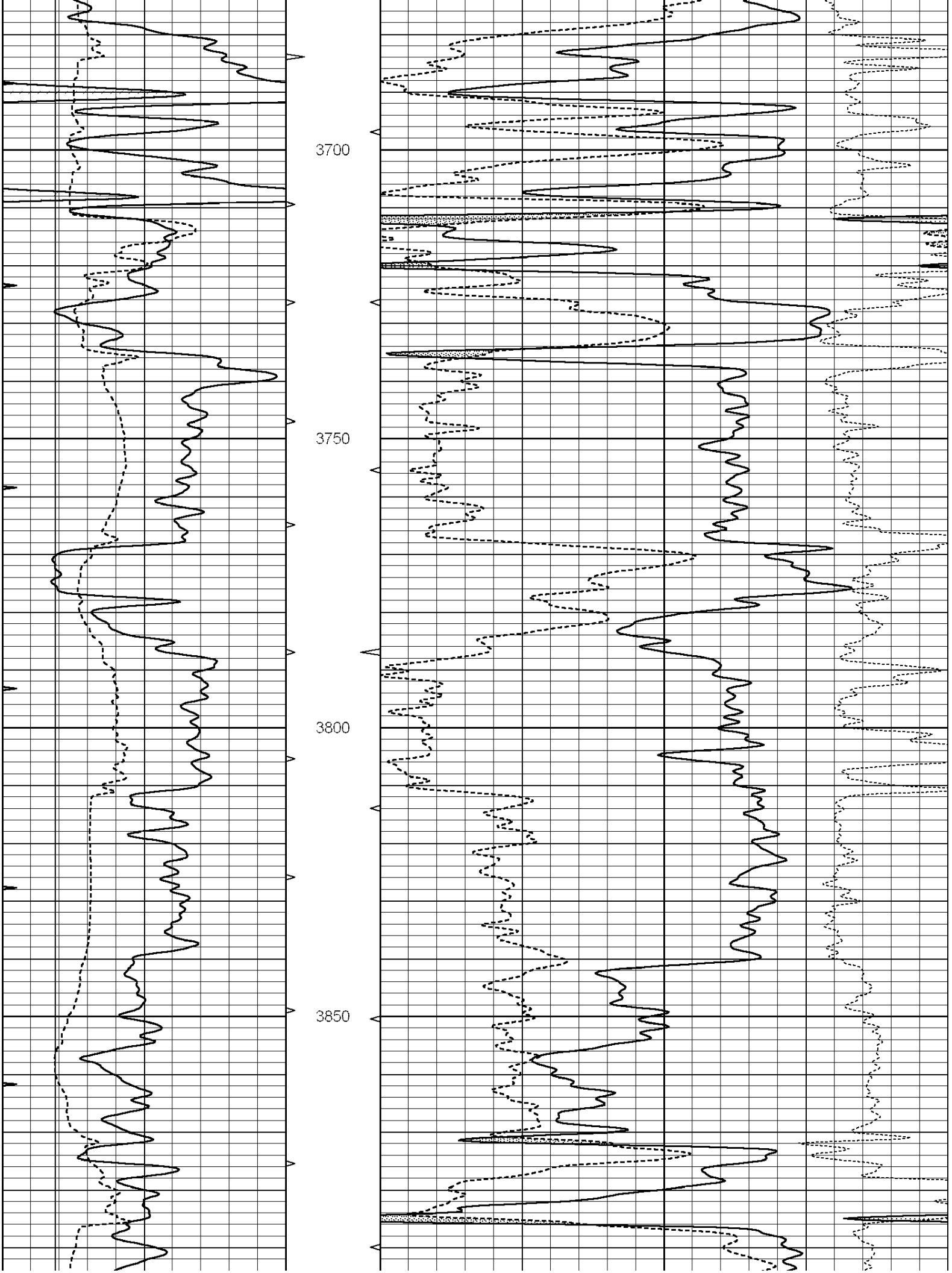


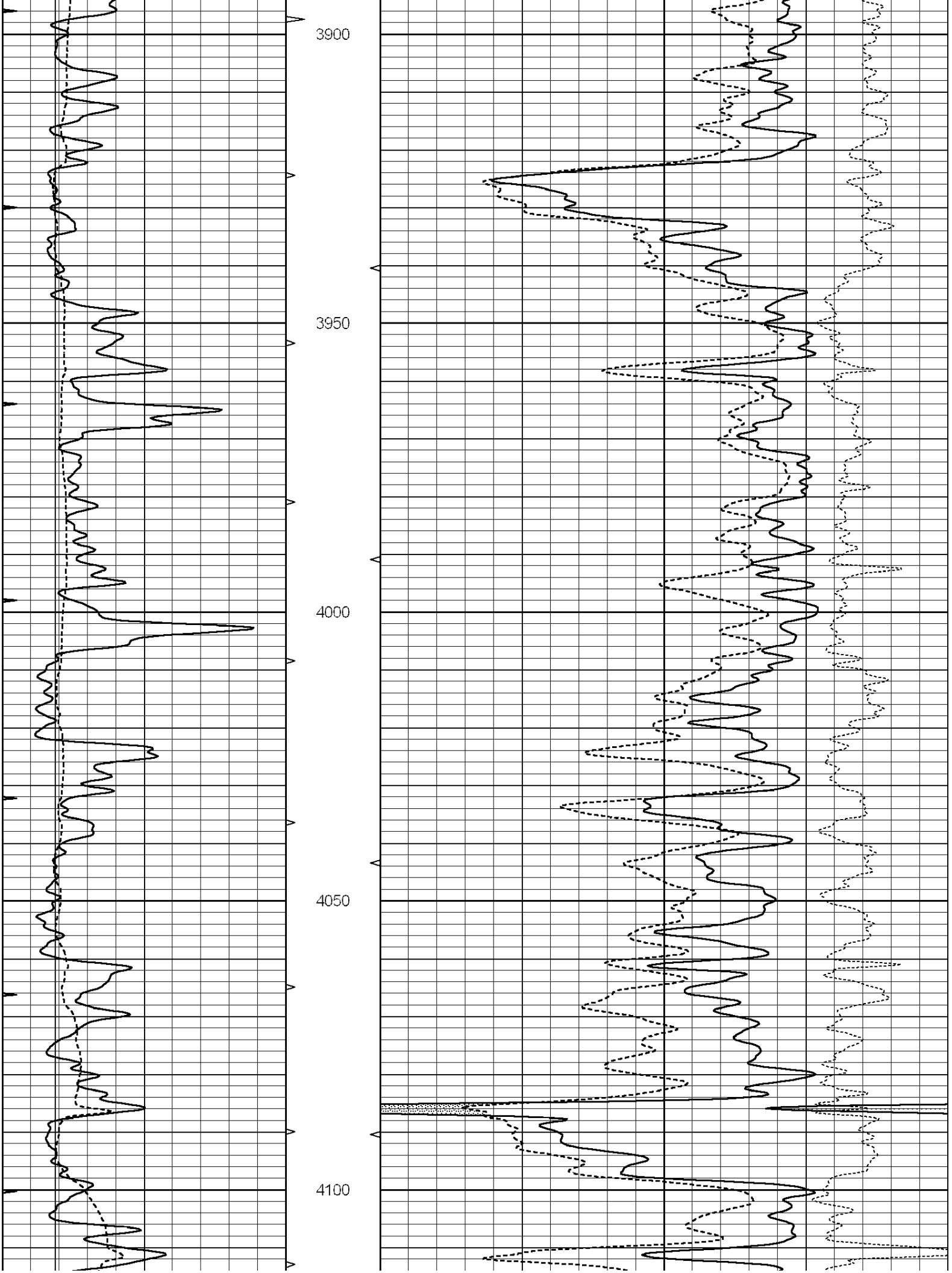

2800
2850
2900
2950
3000

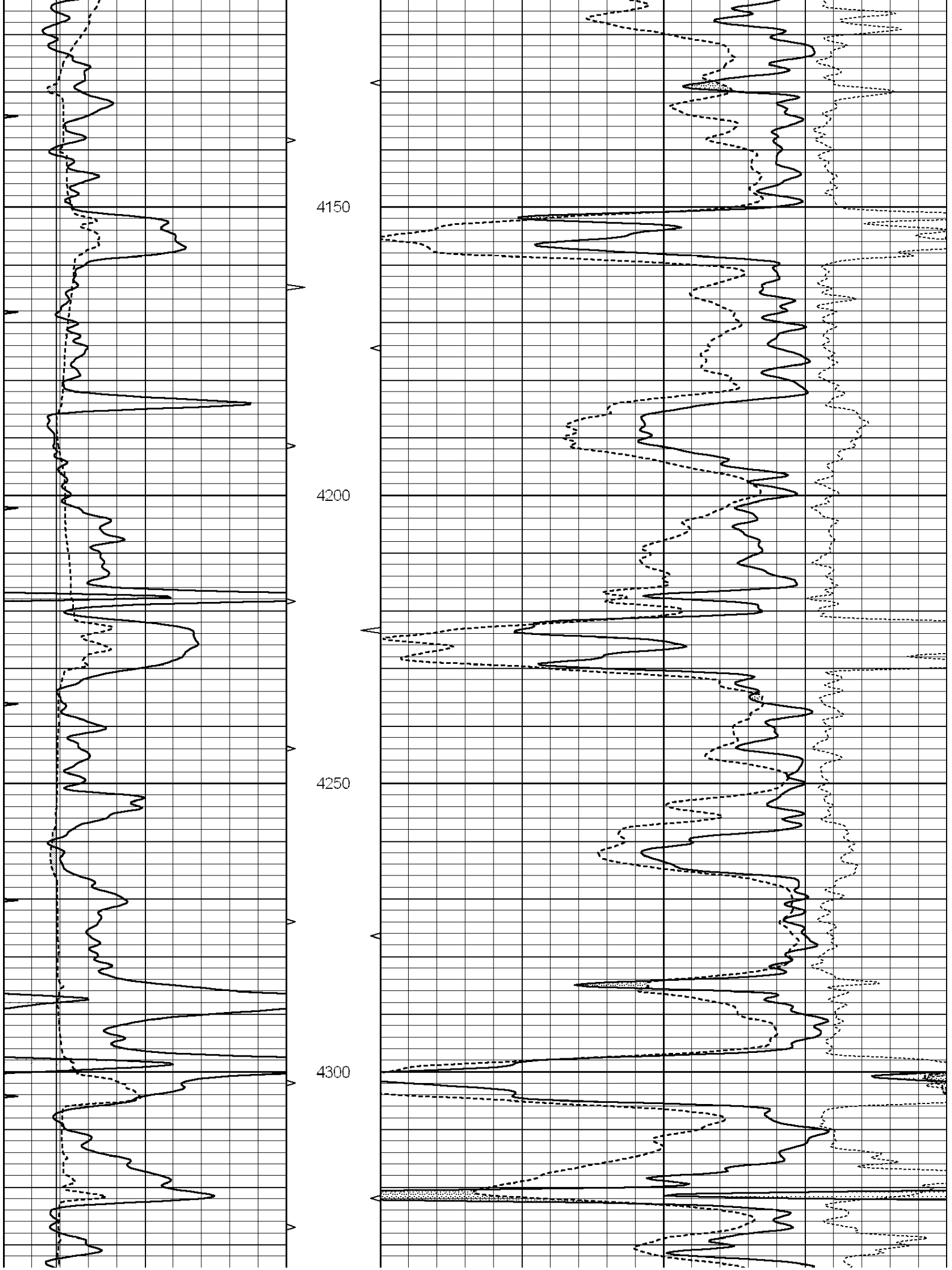

3050
3100
3150
3200

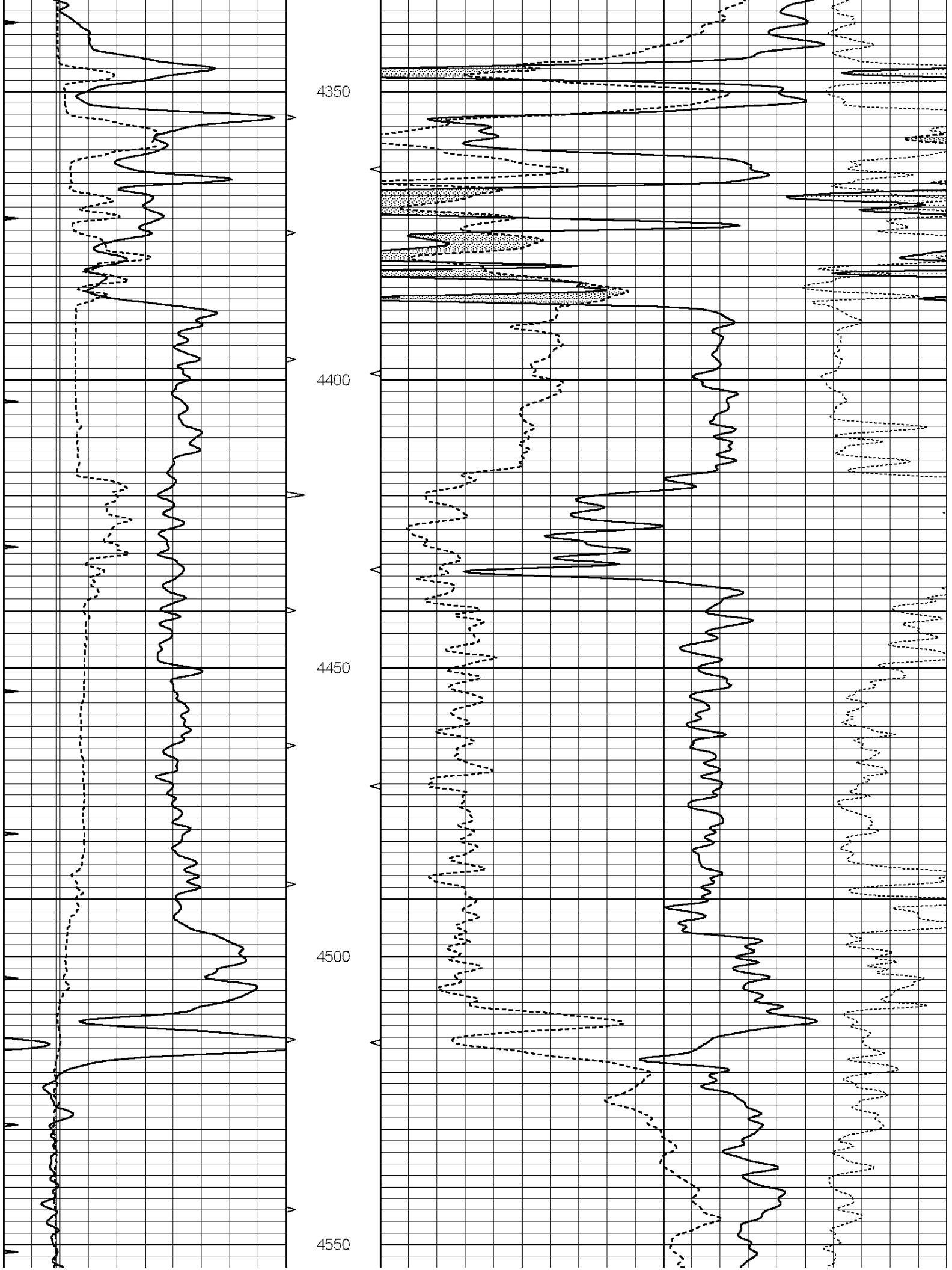

3250
3300
3350
3400
3450

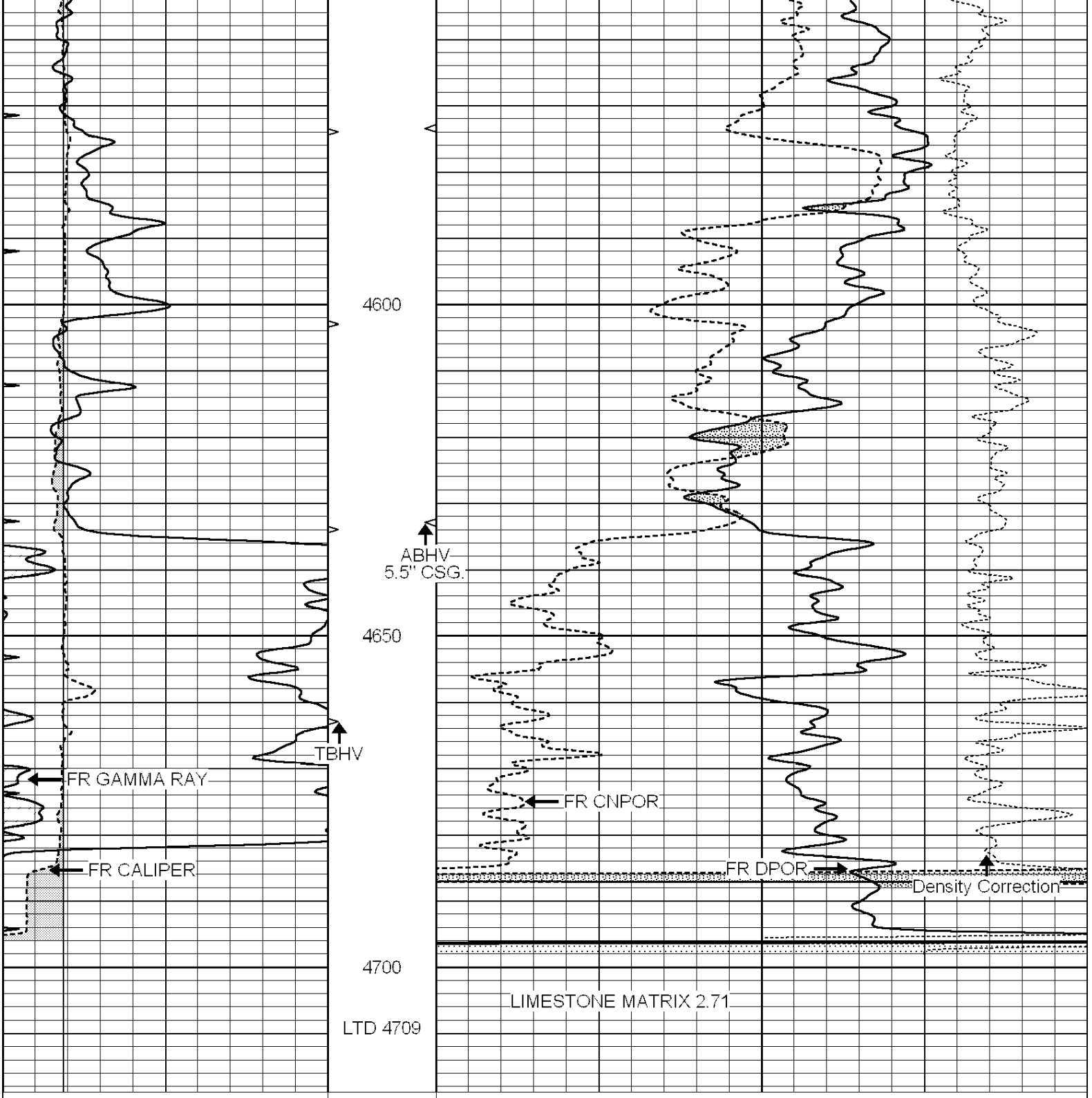

3500
3550
3600
3650


3700
3750
3800
3850


3900
3950
4000
4050
4100


4150
4200
4250
4300


4350
4400
4450
4500
4550



SUPERIOR WELL SERVICES

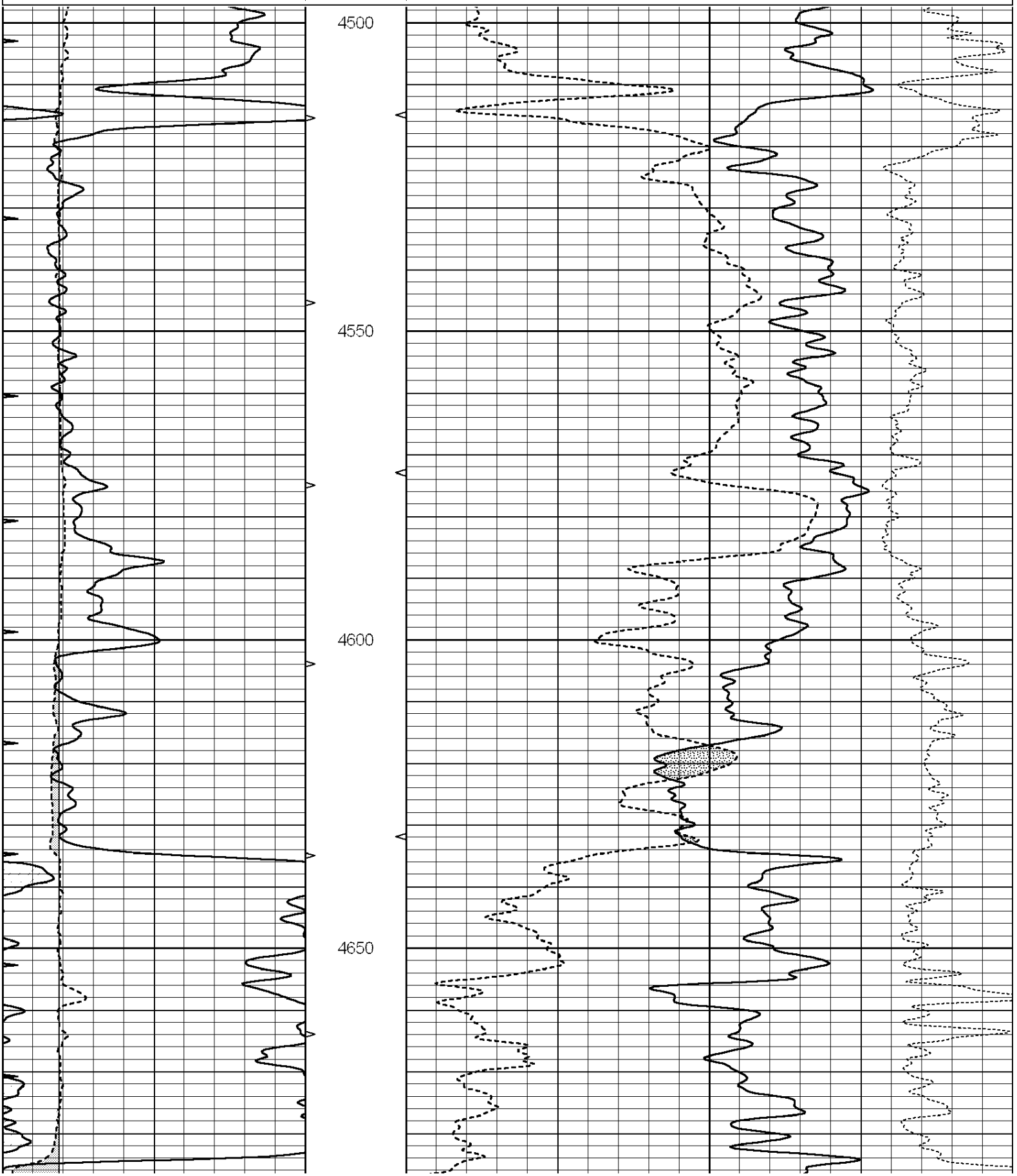
SUPERIOR
Hays,
Kansas

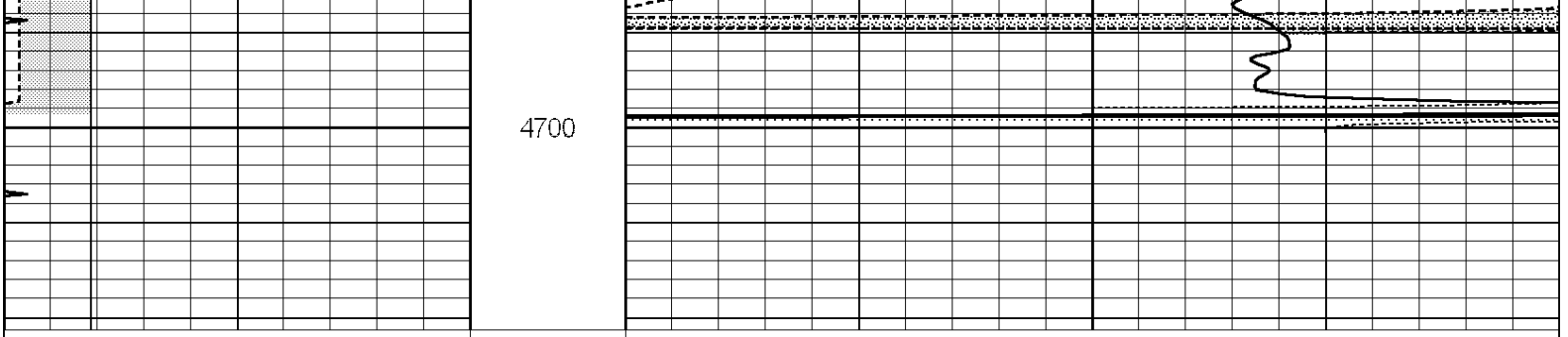
REPEAT SECTION

Database File: 006376ddn.db
Dataset Pathname: pass2.2

Presentation Format: _den_neu
Dataset Creation: Tue Jul 26 19:55:38 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			





Calibration Report

Database File: 006376ddn.db
Dataset Pathname: pass3.2
Dataset Creation: Tue Jul 26 20:42:37 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model:	PROBE7-DILG
Surface Cal Performed:	Wed Jul 30 06:14:24 2008
Downhole Cal Performed:	Mon Jul 28 12:02:56 2008
After Survey Verification Performed:	Mon Jul 28 12:02:56 2008

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	621.923	8.759
Medium	0.039	0.728	V	0.000	464.000	mmho/m	673.322	-26.058
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	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:	GEAR4-GEARHART

Source / Verifier:	143 / 143
Master Calibration Performed:	Sat Jul 16 17:35:04 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1015.91	497.51	cps
Aluminum	2.600	g/cc	227.67	350.20	cps

Spine Angle = 76.79 Density/Spine Ratio = 0.579

	Size		Reading	
Small Ring	8.10	in	2.50	V
Large Ring	14.00	in	4.70	V

Compensated Neutron Calibration Report

Serial Number:	6I
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

Gamma Ray Calibration Report

Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps

SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

DUAL INDUCTION LOG

Company AMERICAN ENERGIES CORPORATION
Well MURPHY #1-25
Field WILDCAT
County PRATT State KANSAS
Location: API # : 15-151-22377-0000
1400' FSL & 990' FEL
SEC 25 TWP 29S RGE 12W
Permanent Datum GROUND LEVEL Elevation 1866
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
MEL

Elevation
K.B. 1876
D.F. 1874
G.L. 1866

Company	AMERICAN ENERGIES CORP.		
Well	MURPHY #1-25		
Field	WILDCAT		
County	PRATT		
State	KANSAS		

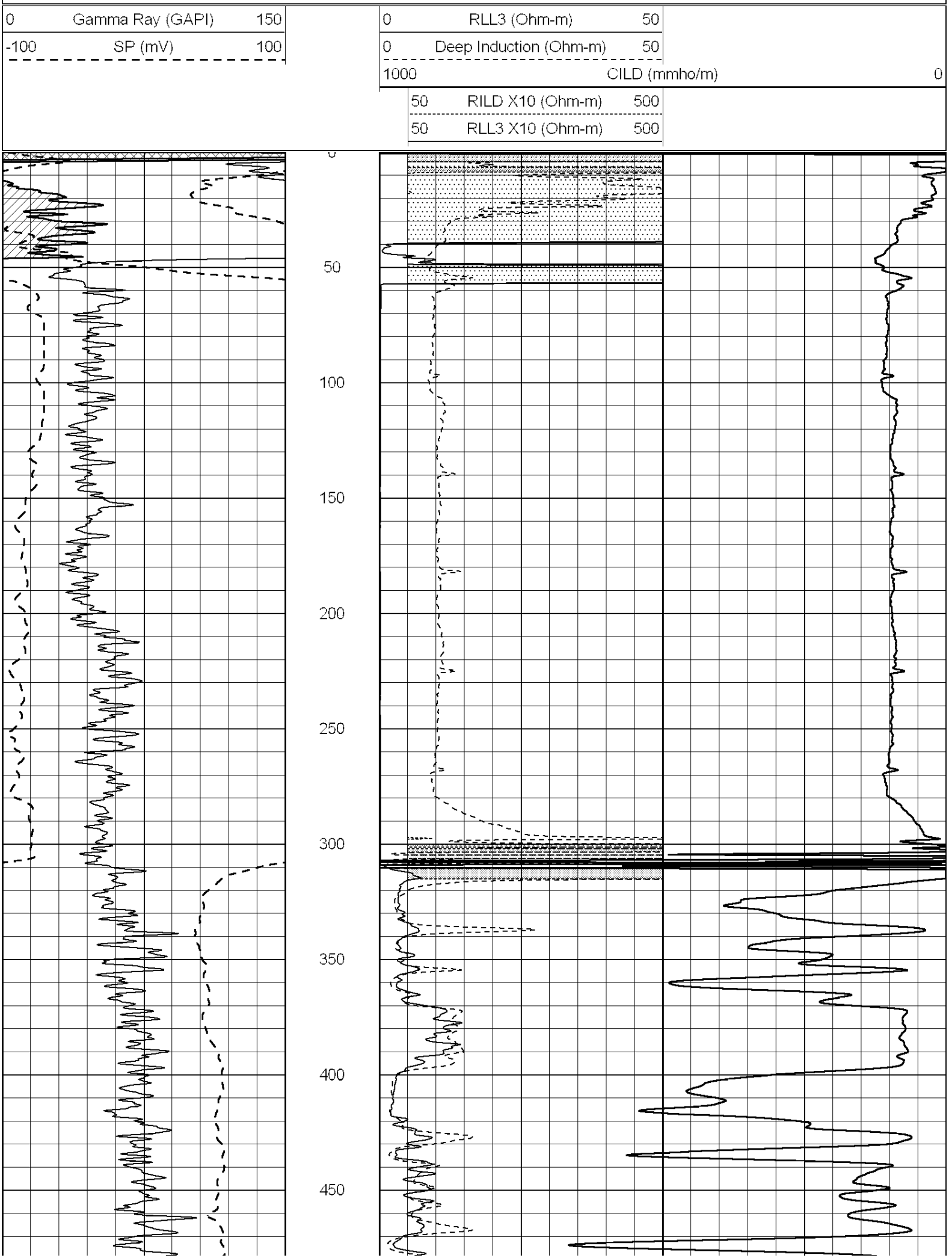
Date	7/26/11		
Run Number	ONE		
Depth Driller	4708		
Depth Logger	4709		
Bottom Logged Interval	4707		
Top Log Interval	0		
Casing Driller	8 5/8" @ 310		
Casing Logger	310		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4000 PPM	
Density / Viscosity	9.2/53		
pH / Fluid Loss	9.0/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.60 @ 104F		
Rmf @ Meas. Temp	0.45 @ 104F		
Rmc @ Meas. Temp	0.72 @ 104F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.51 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	6:45 P.M		
Maximum Recorded Temperature	122F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	DAN GOTTSCHALK		
Witnessed By	DAVE GOLDAK		

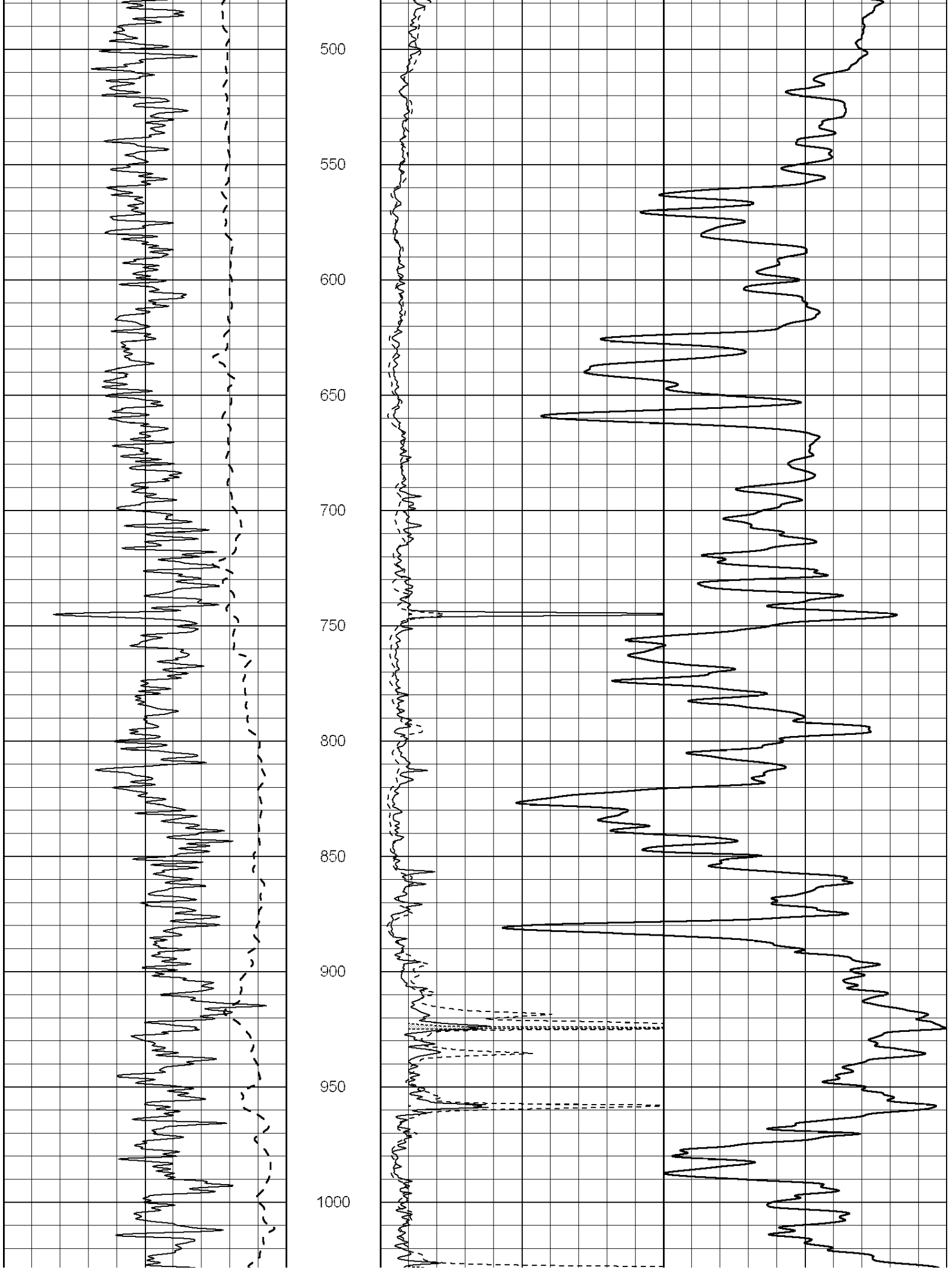
<<< Fold Here >>>

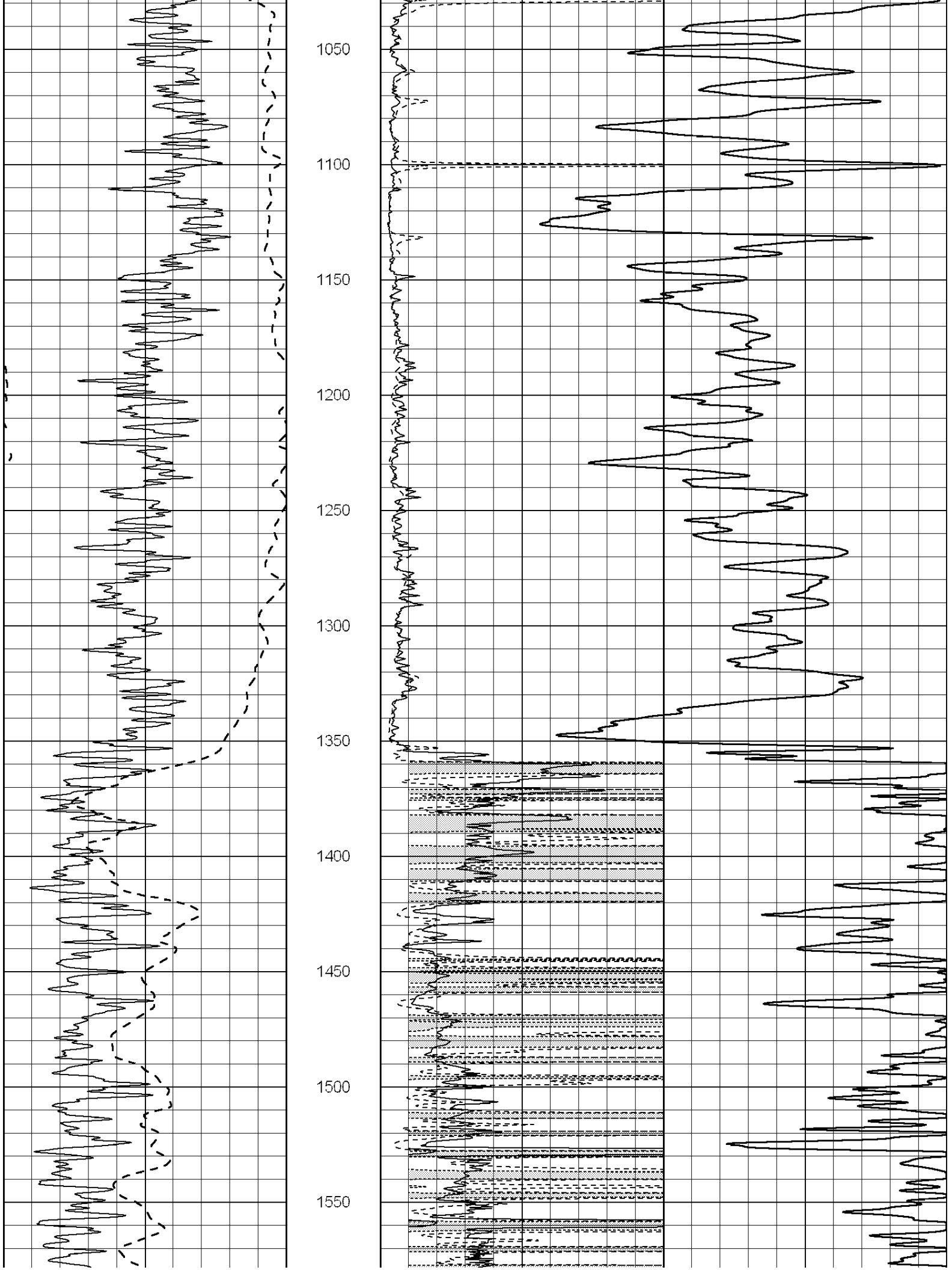
Comments

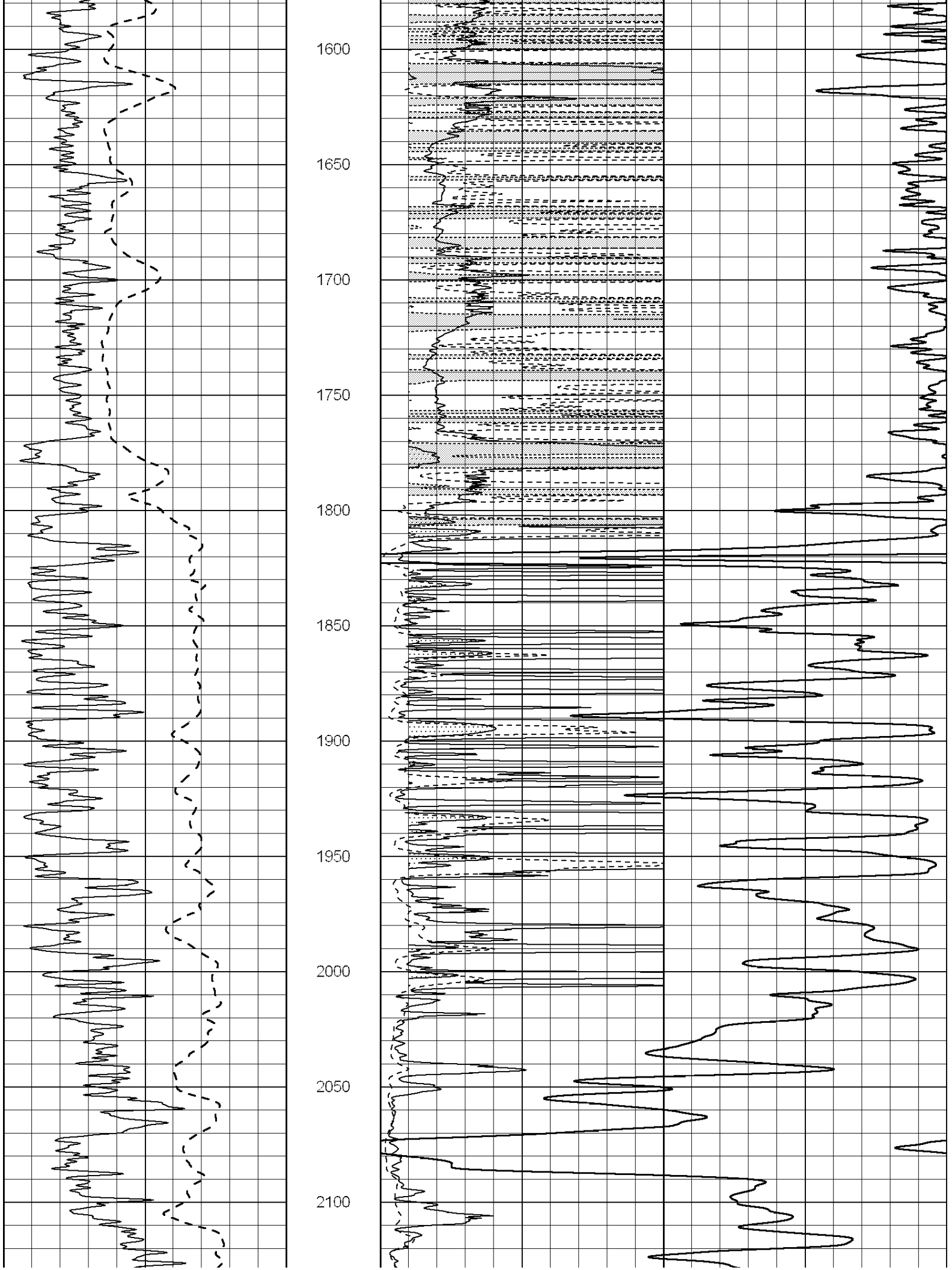
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
SAWYER - 6 EAST - 3/4 SOUTH - WEST INTO

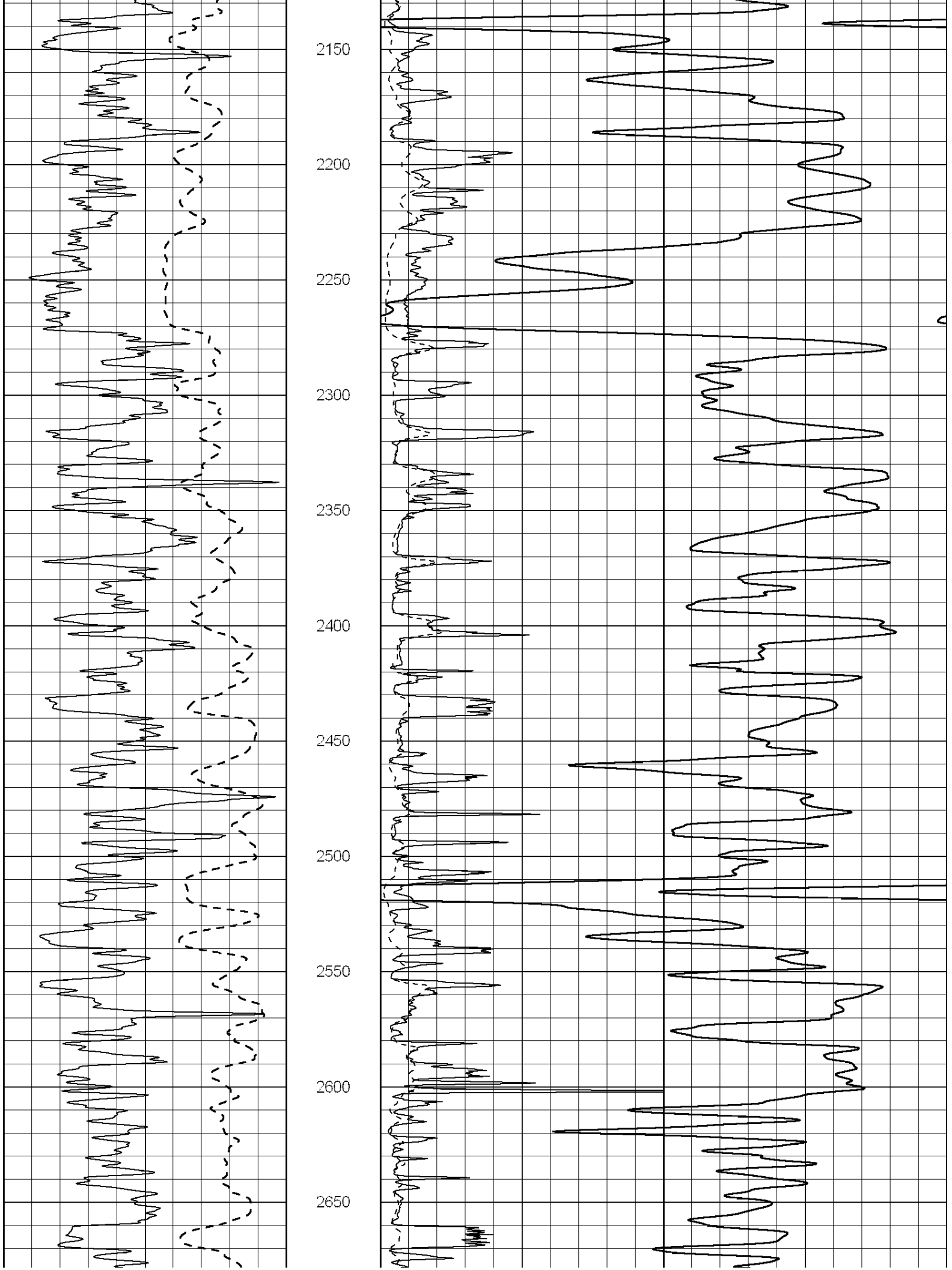
Database File:	006376ddn.db
Dataset Pathname:	pass3.2
Presentation Format:	_dil2
Dataset Creation:	Tue Jul 26 20:42:37 2011 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:600

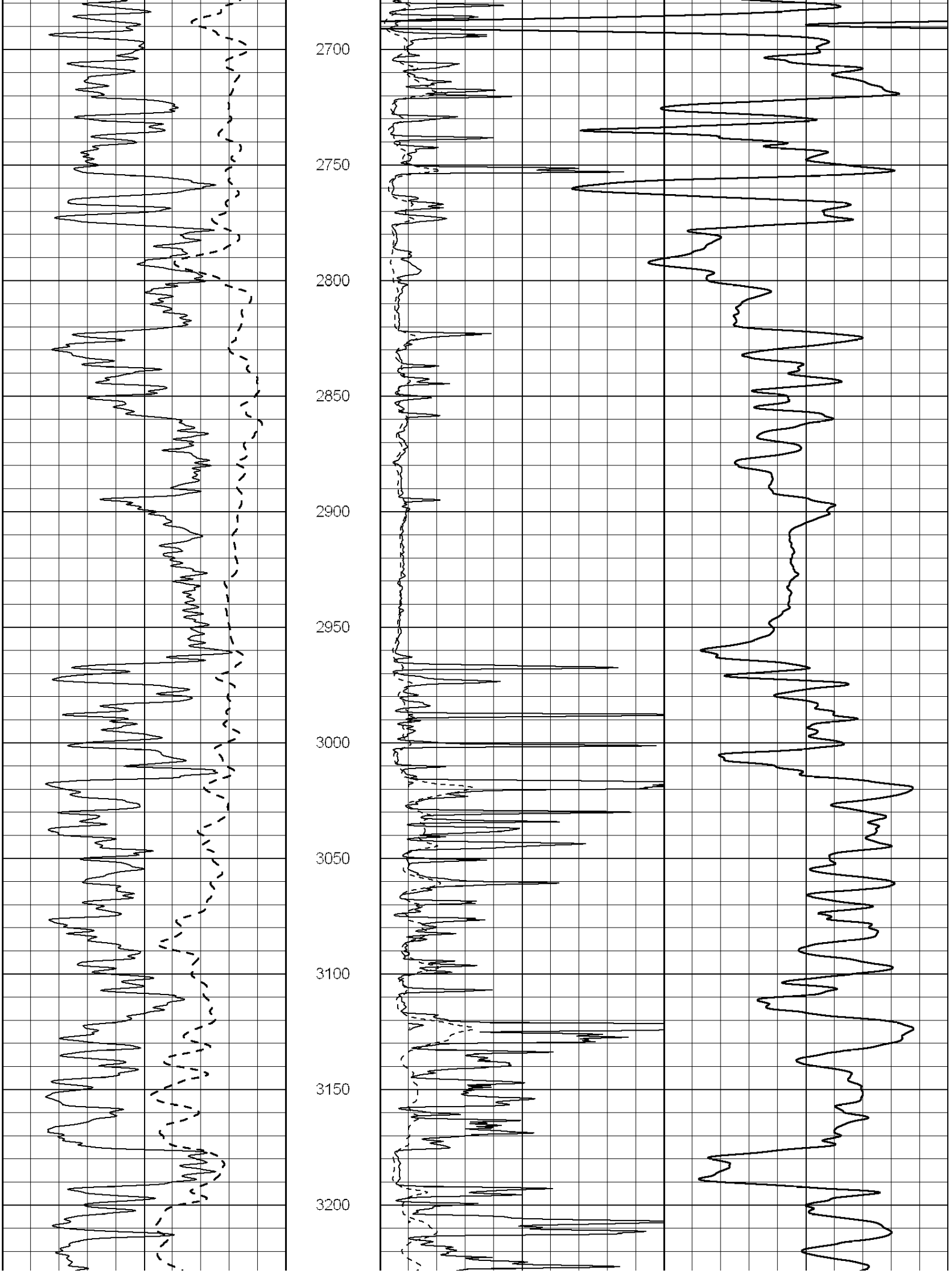

0 Gamma Ray (GAPI) 150
-100 SP (mV) 100
0 RLL3 (Ohm-m) 50
0 Deep Induction (Ohm-m) 50
1000 CILD (mmho/m) 0
50 RILD X10 (Ohm-m) 500
50 RLL3 X10 (Ohm-m) 500
0
50
100
150
200
250
300
350
400
450

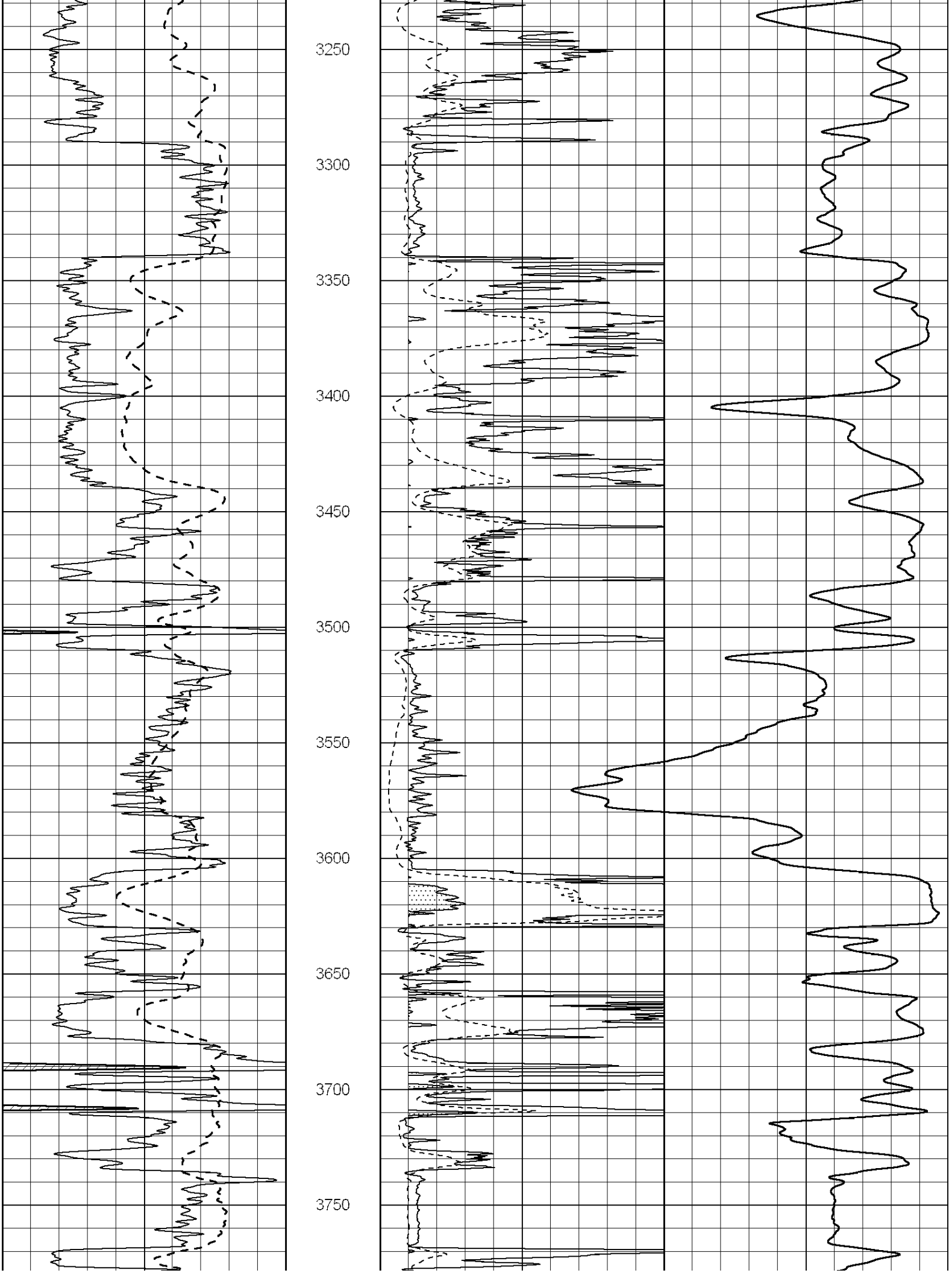

500
550
600
650
700
750
800
850
900
950
1000

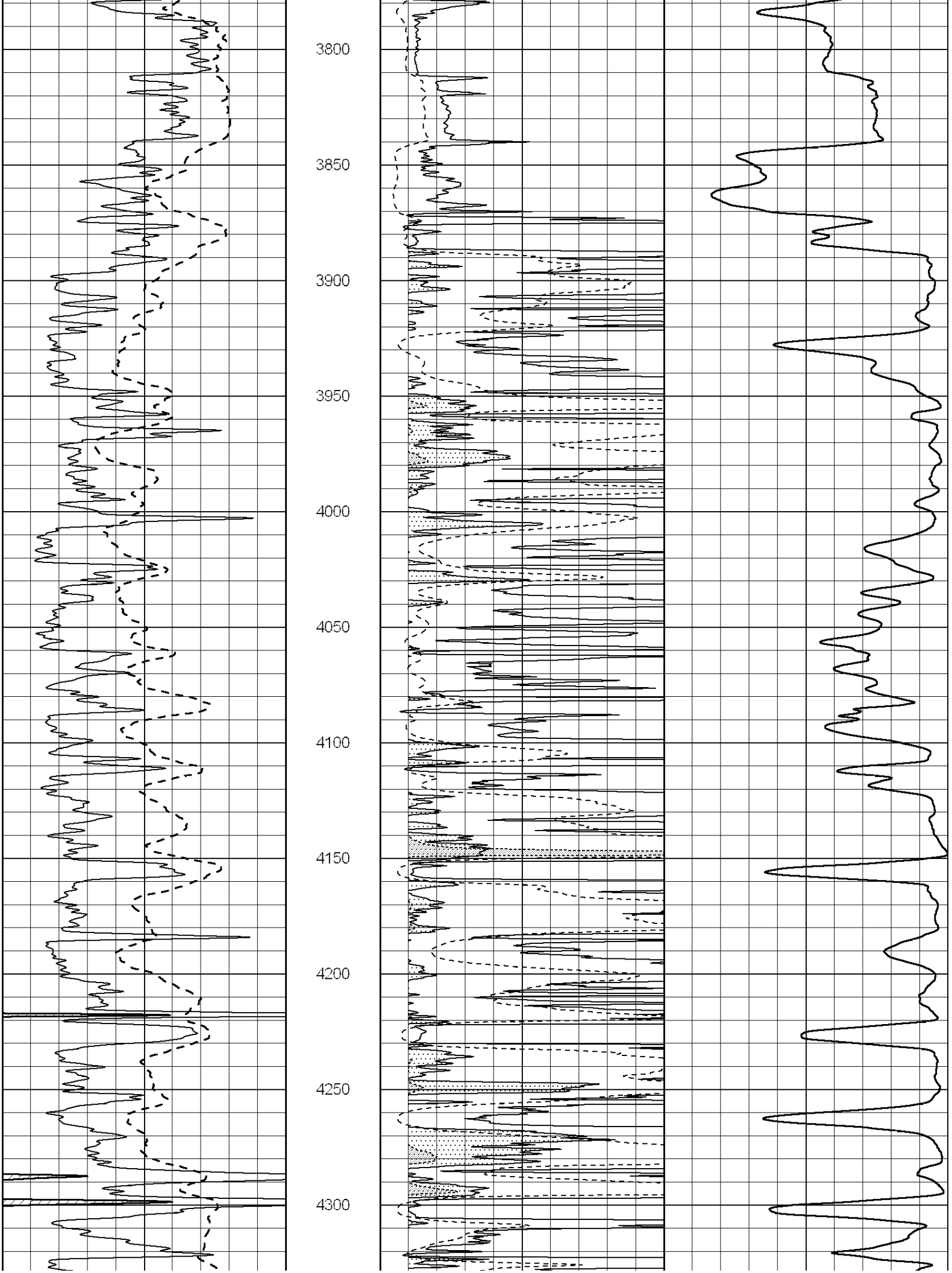

1050
1100
1150
1200
1250
1300
1350
1400
1450
1500
1550

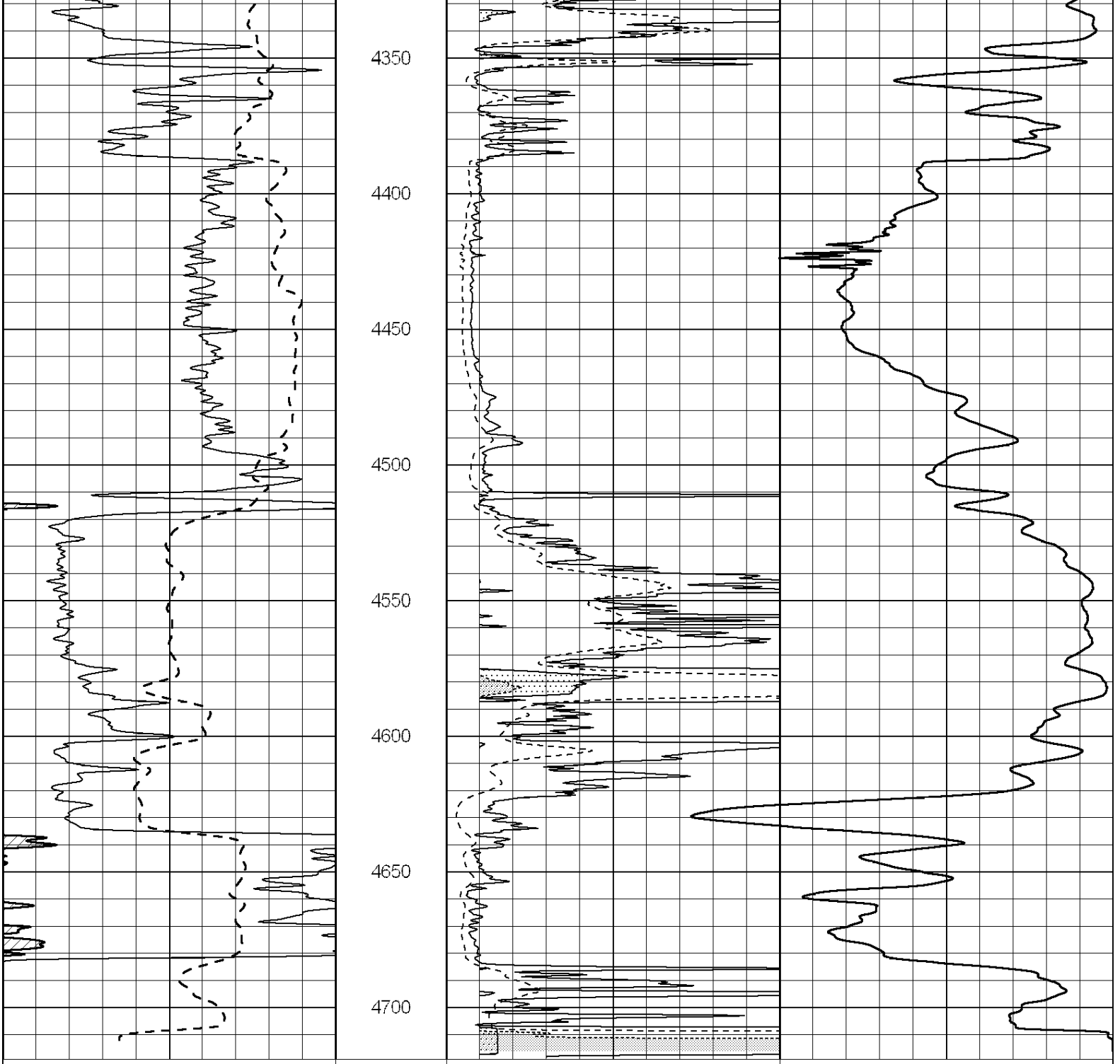

1600
1650
1700
1750
1800
1850
1900
1950
2000
2050
2100


2150
2200
2250
2300
2350
2400
2450
2500
2550
2600
2650


2700
2750
2800
2850
2900
2950
3000
3050
3100
3150
3200


3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750

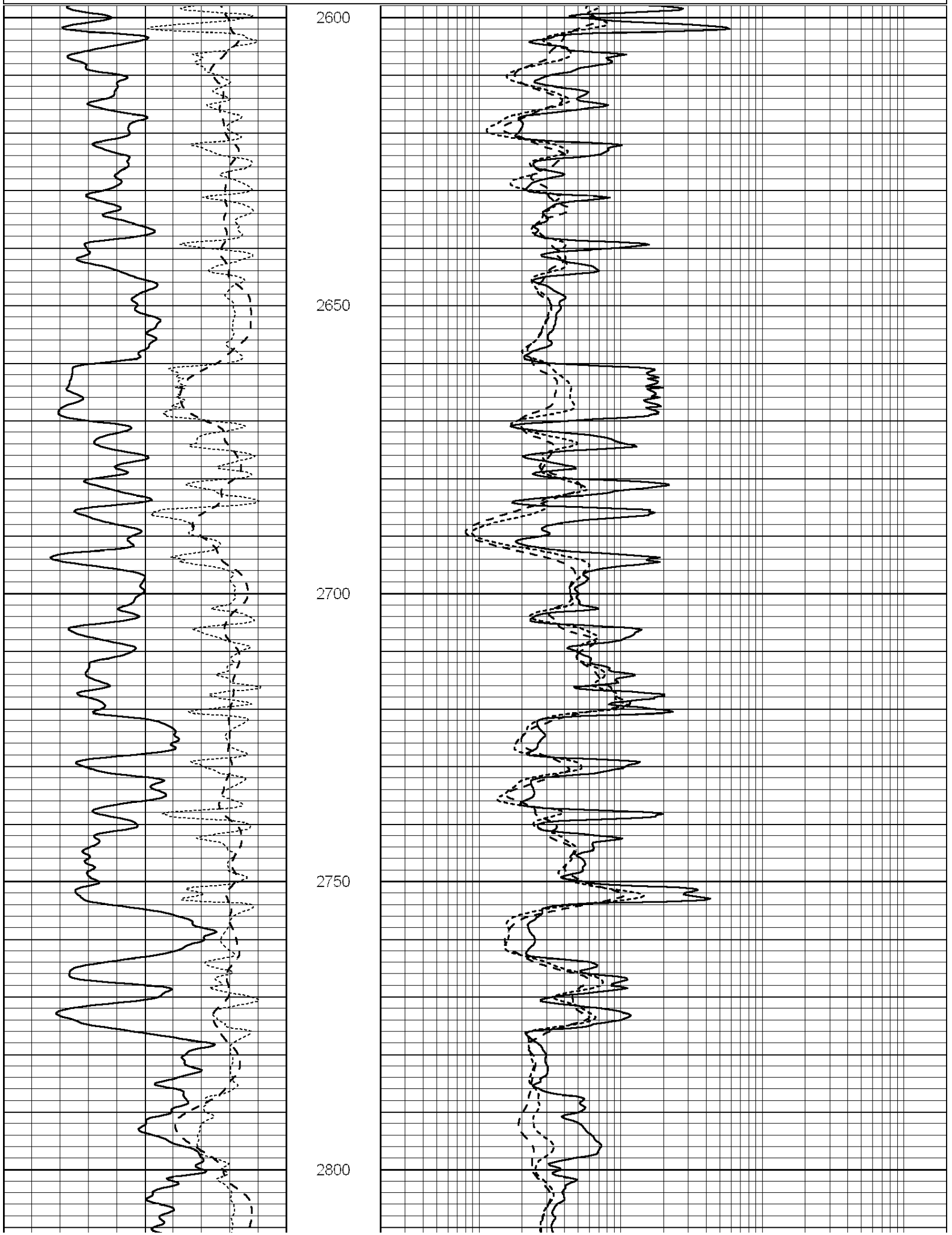

3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300

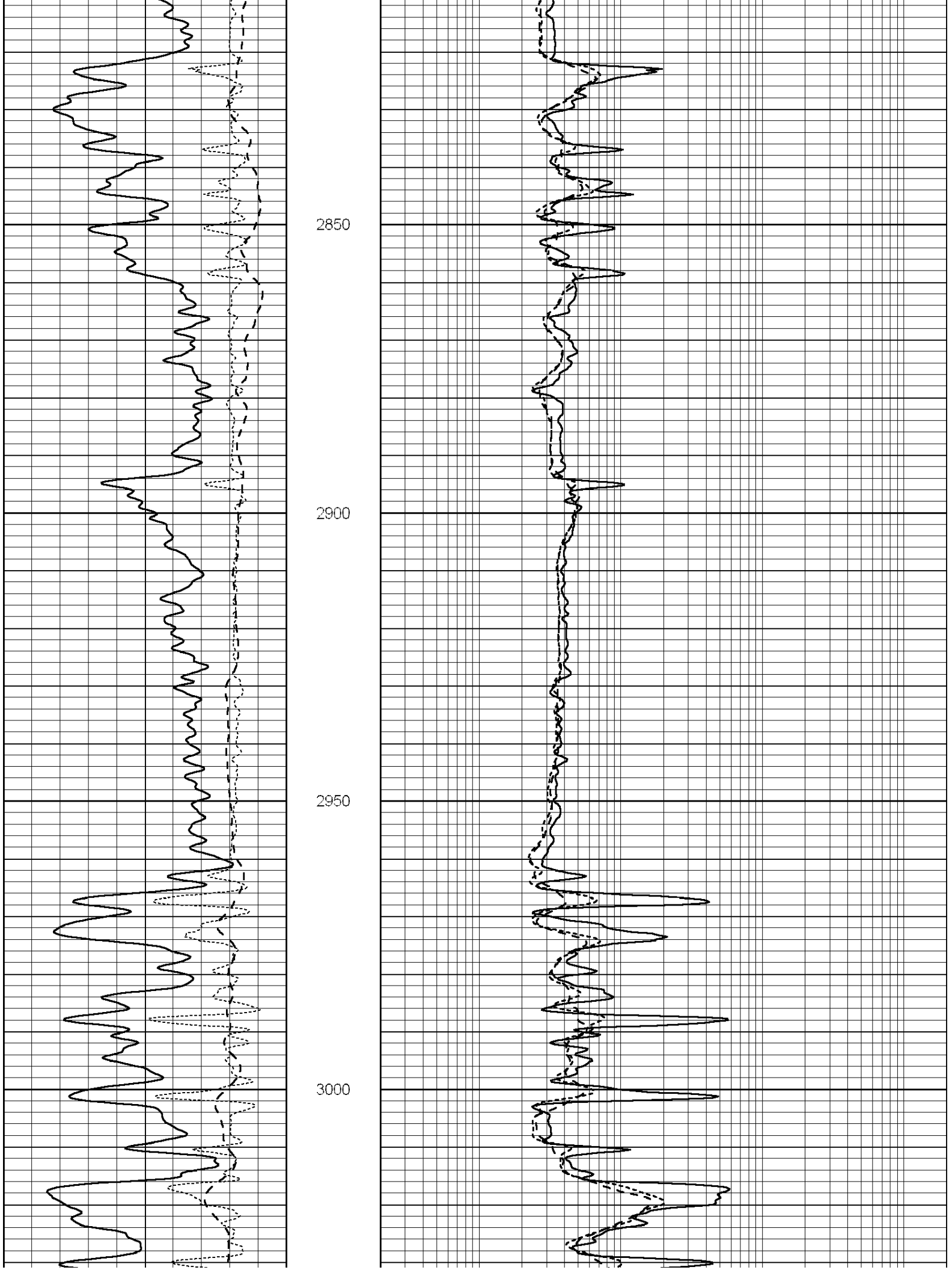


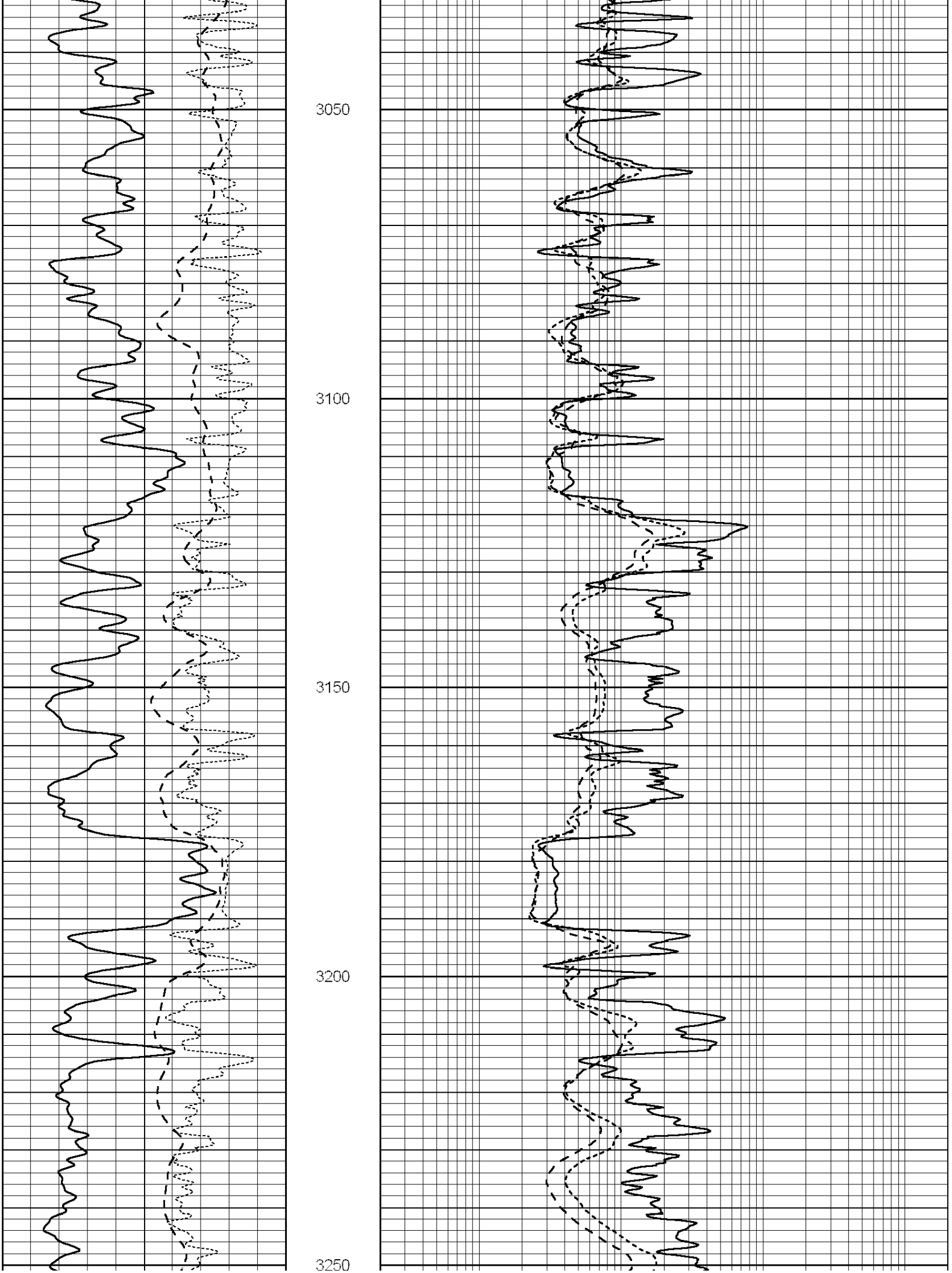
Database File:	006376ddn.db
Dataset Pathname:	pass3.2
Presentation Format:	_dil
Dataset Creation:	Tue Jul 26 20:42:37 2011 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

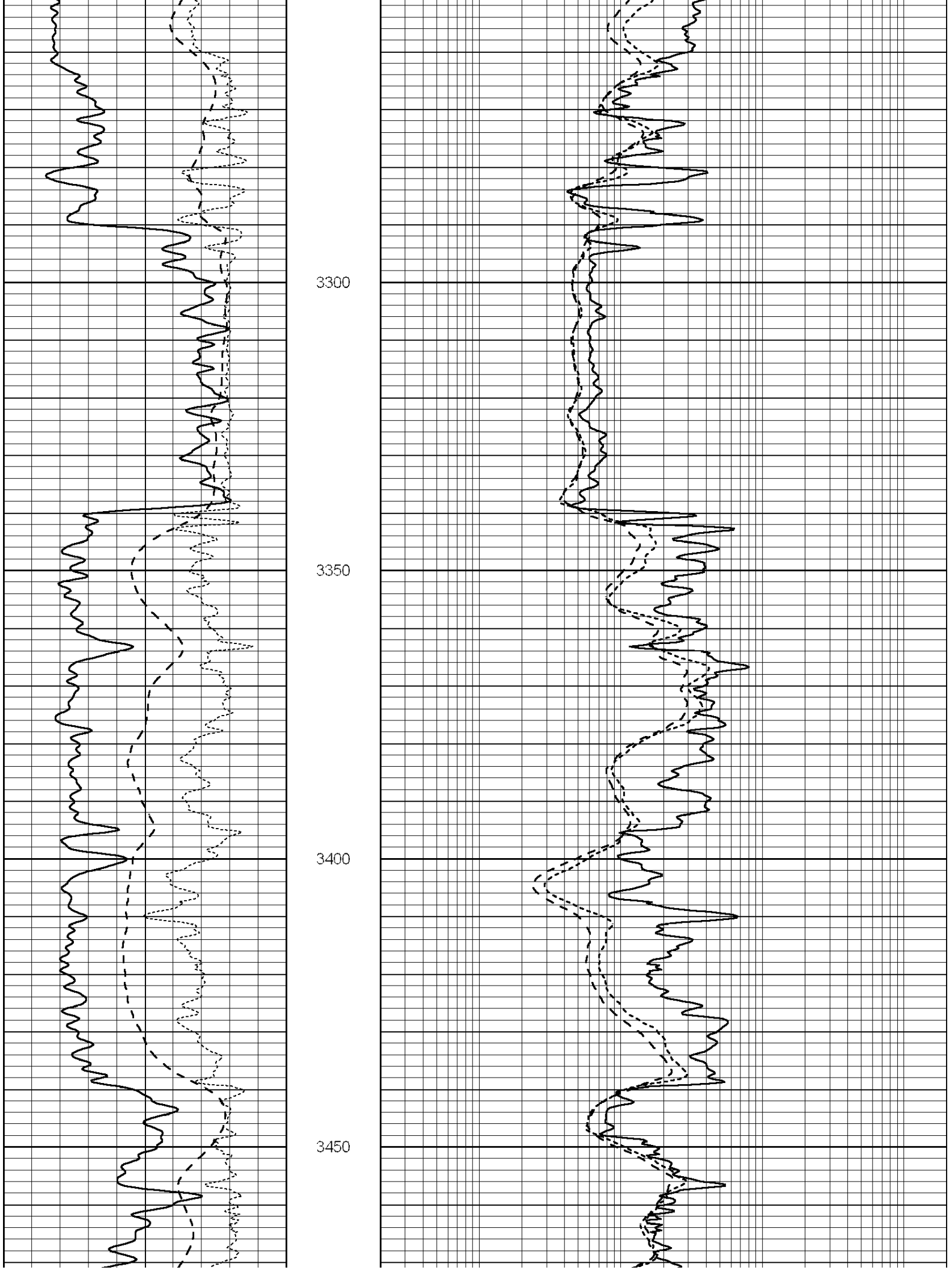
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

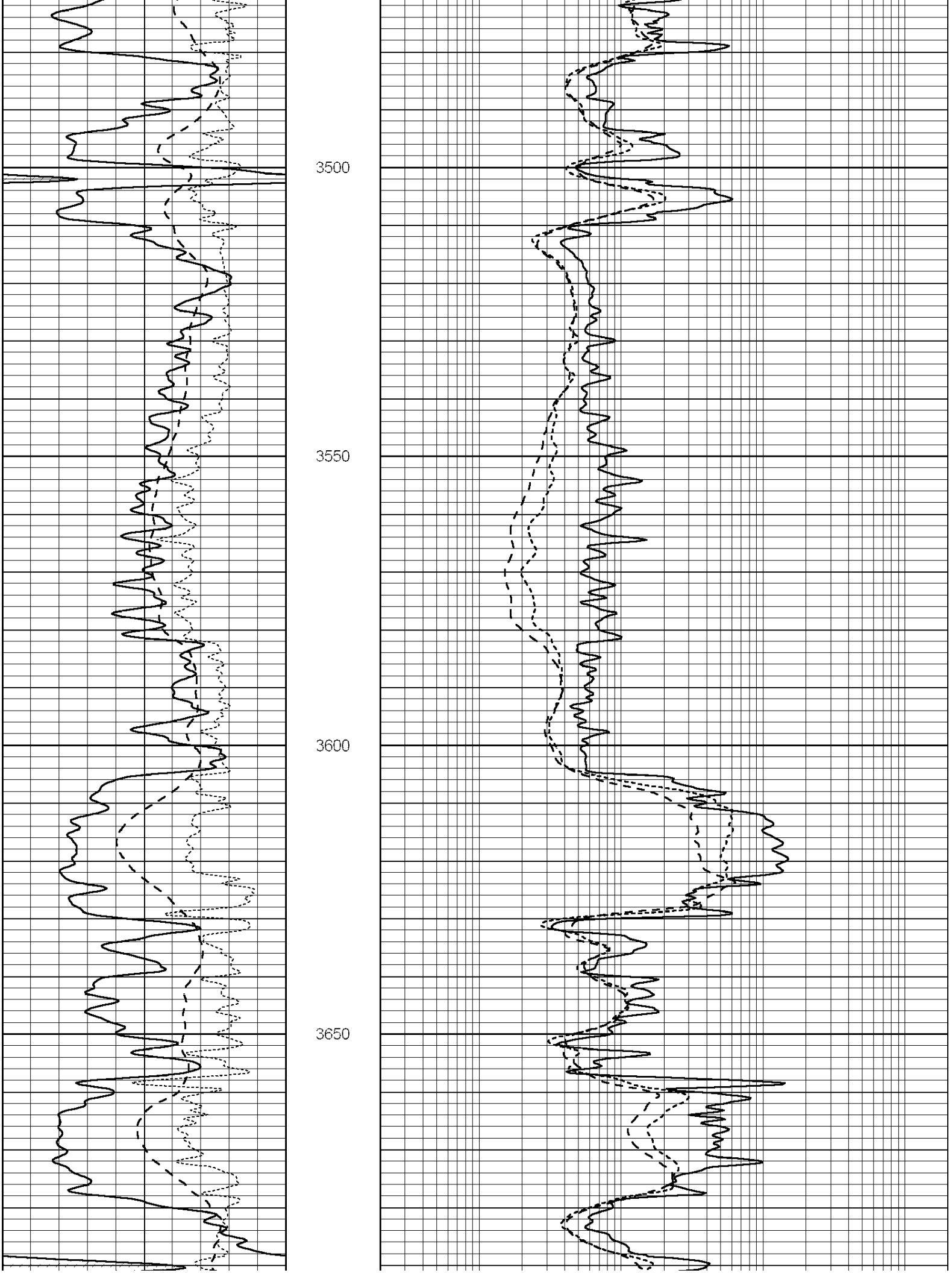
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

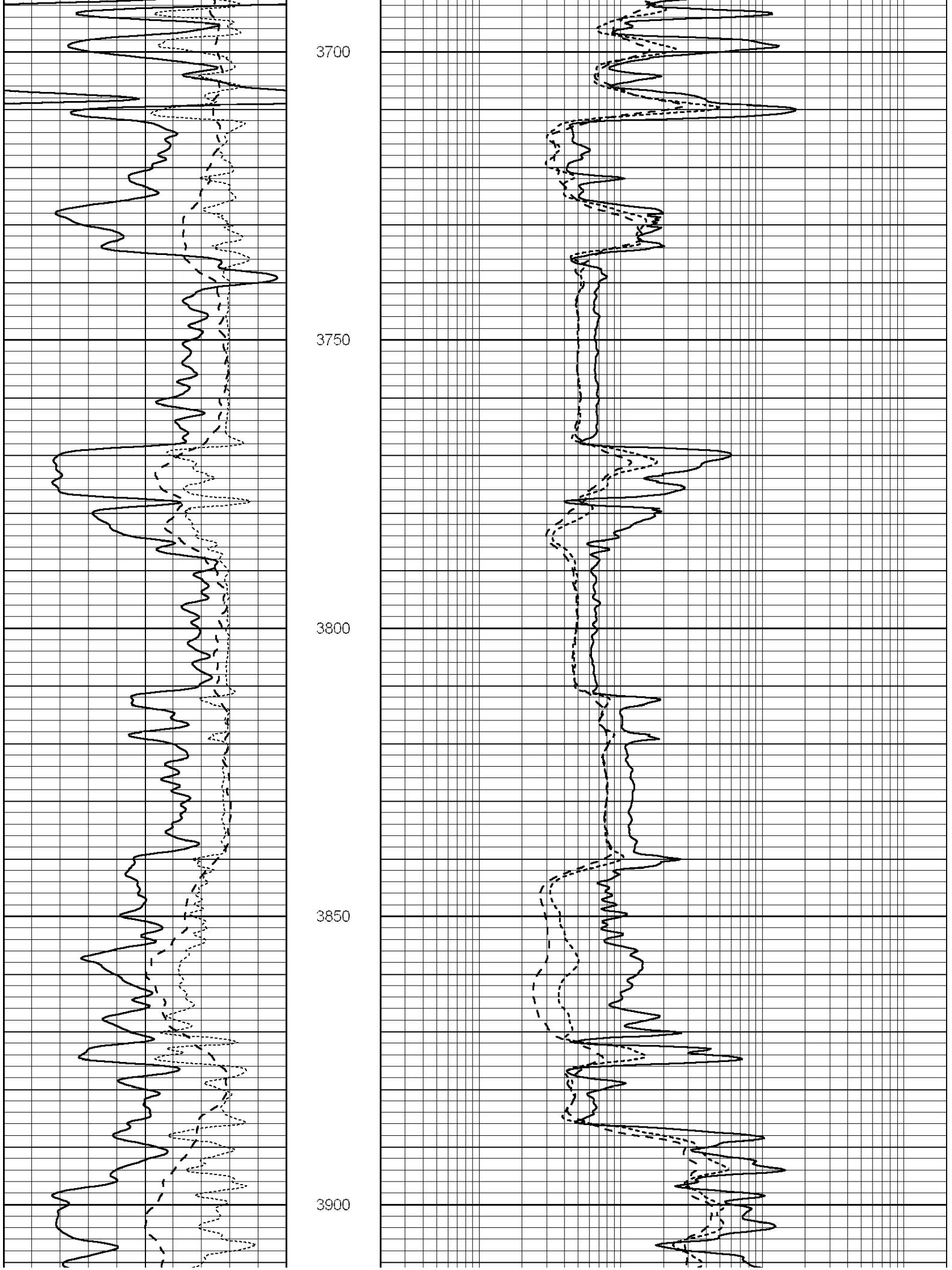

2600
2650
2700
2750
2800

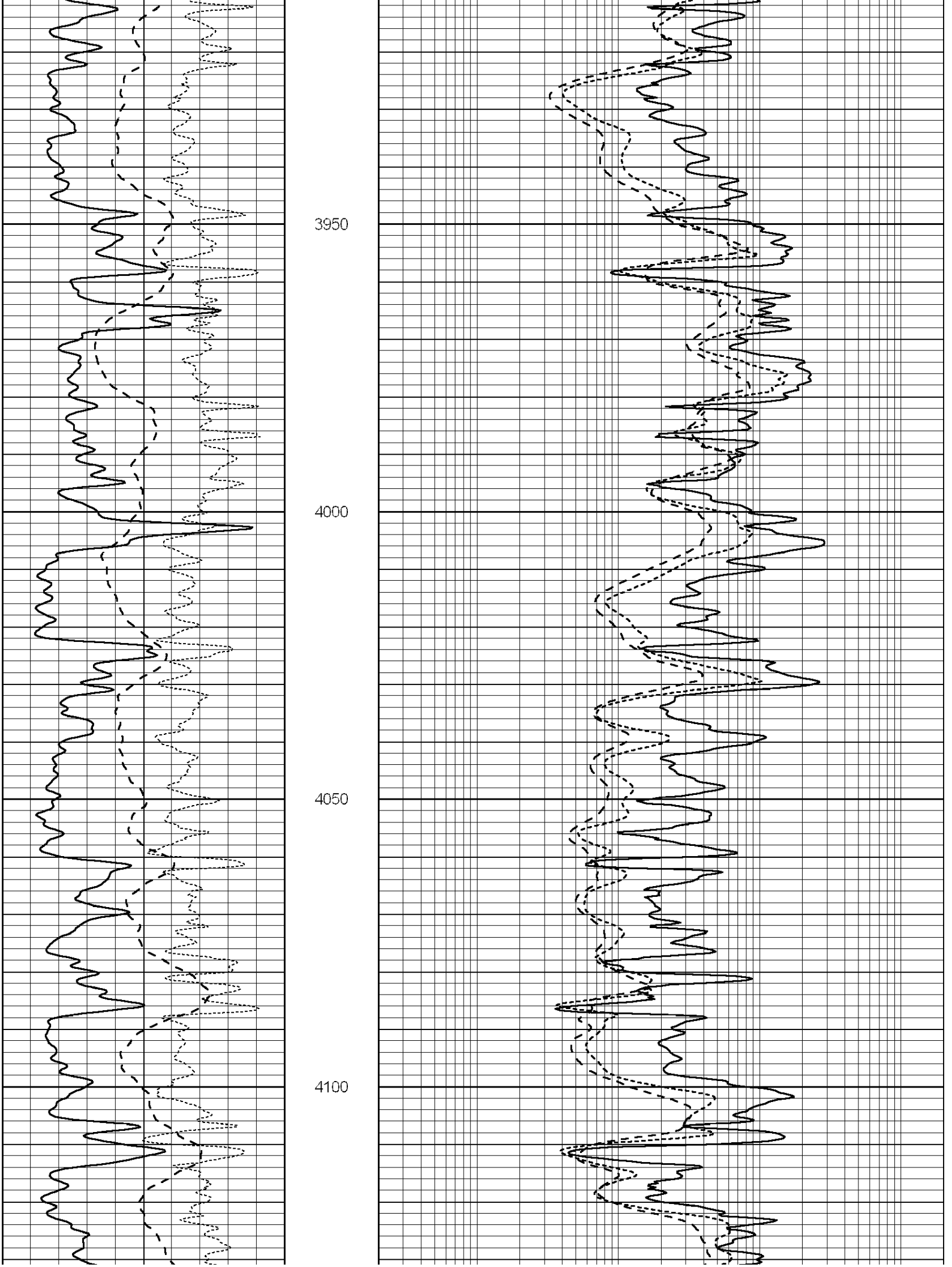

2850
2900
2950
3000

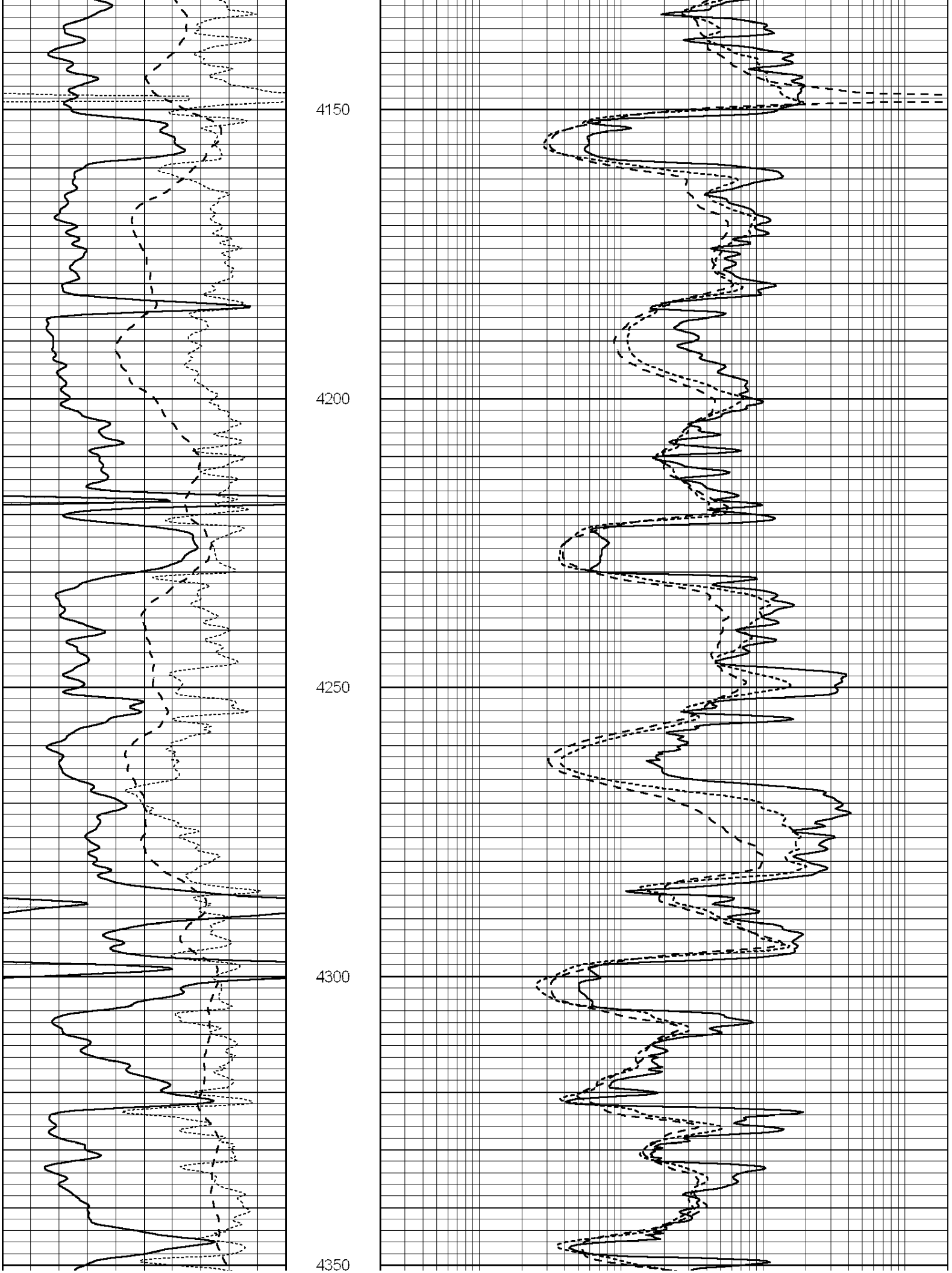

3050
3100
3150
3200
3250

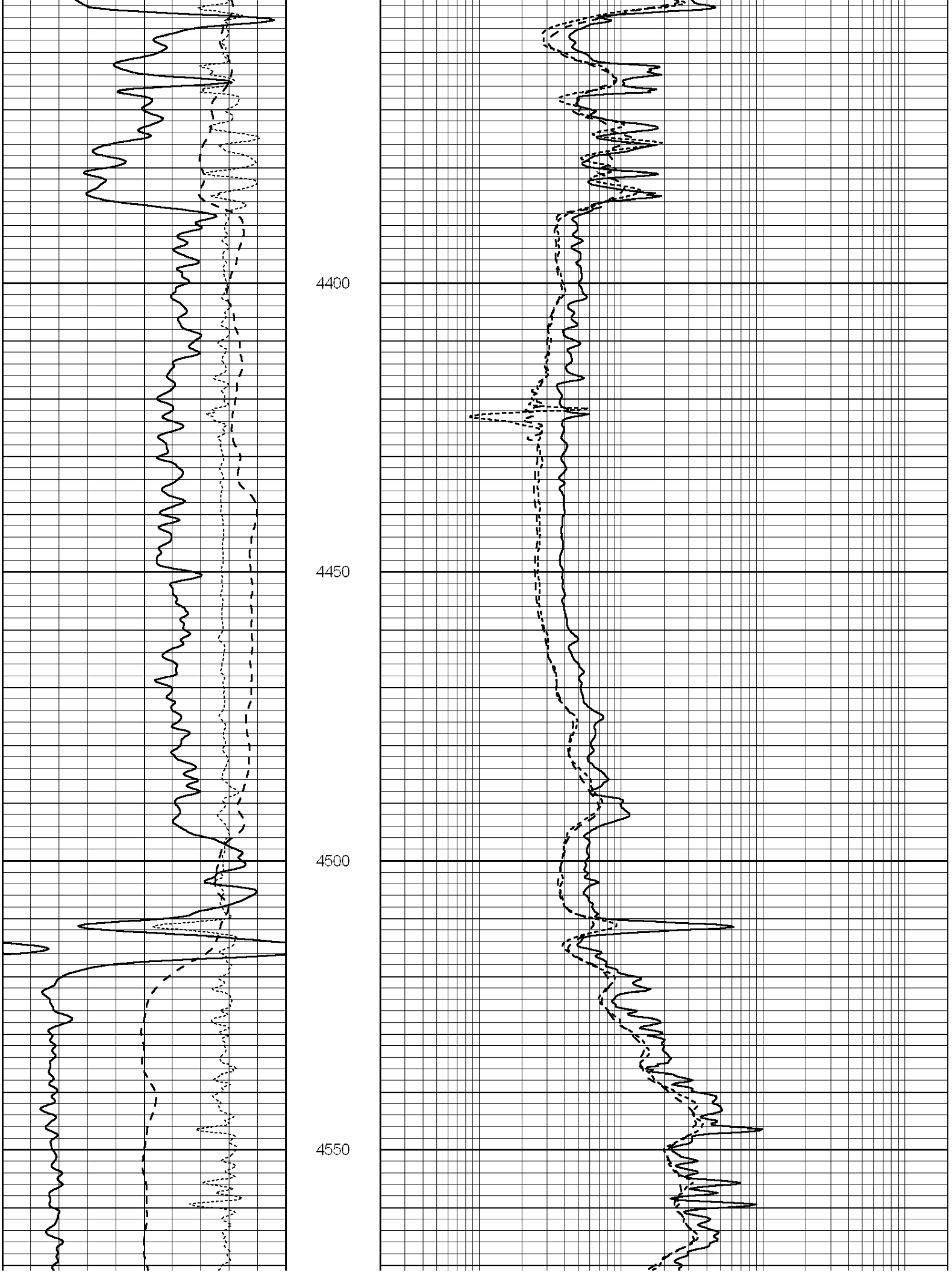

3300
3350
3400
3450

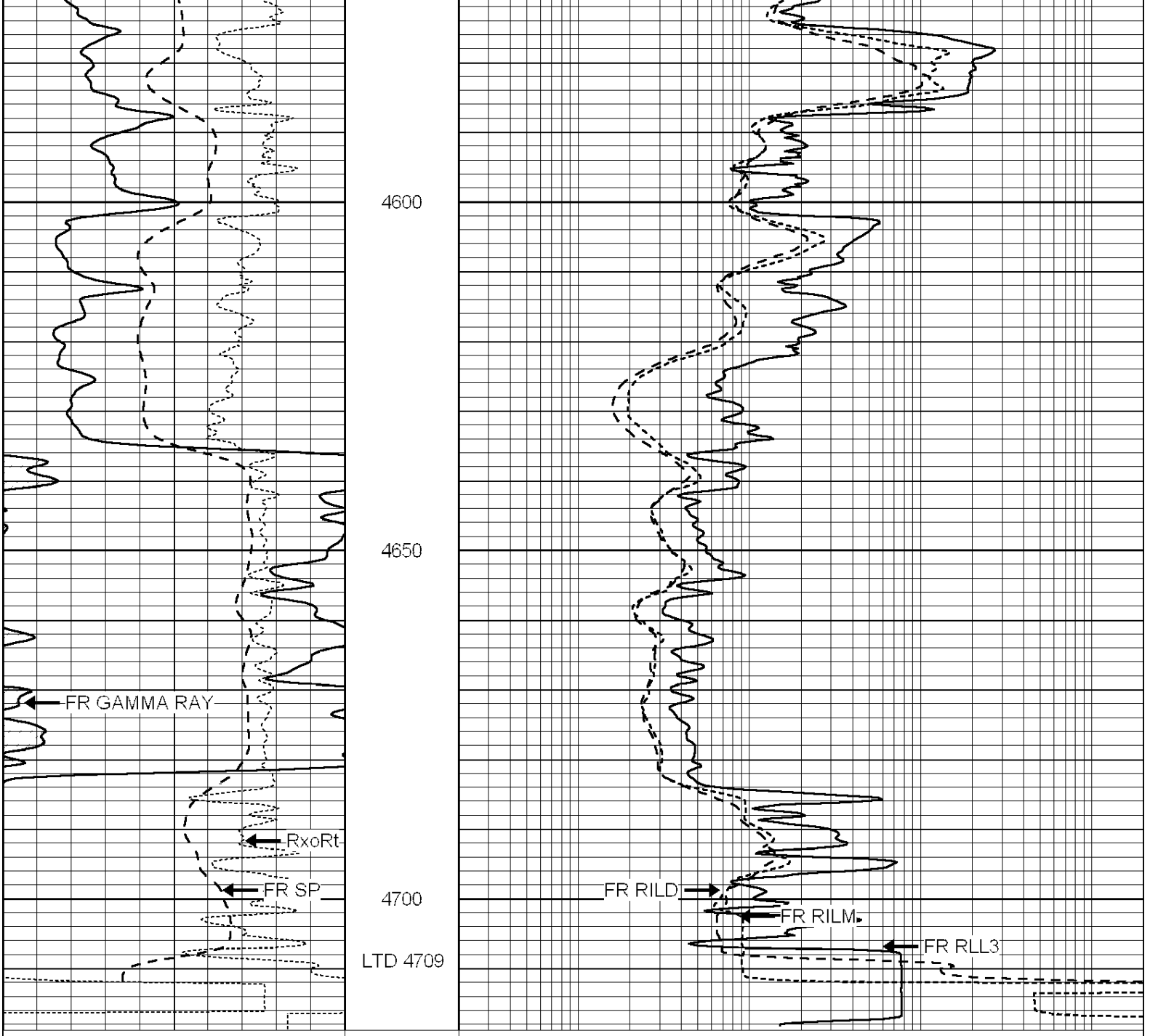

3500
3550
3600
3650


3700
3750
3800
3850
3900


3950
4000
4050
4100


4150
4200
4250
4300
4350


4400
4450
4500
4550



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

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

SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

REPEAT SECTION

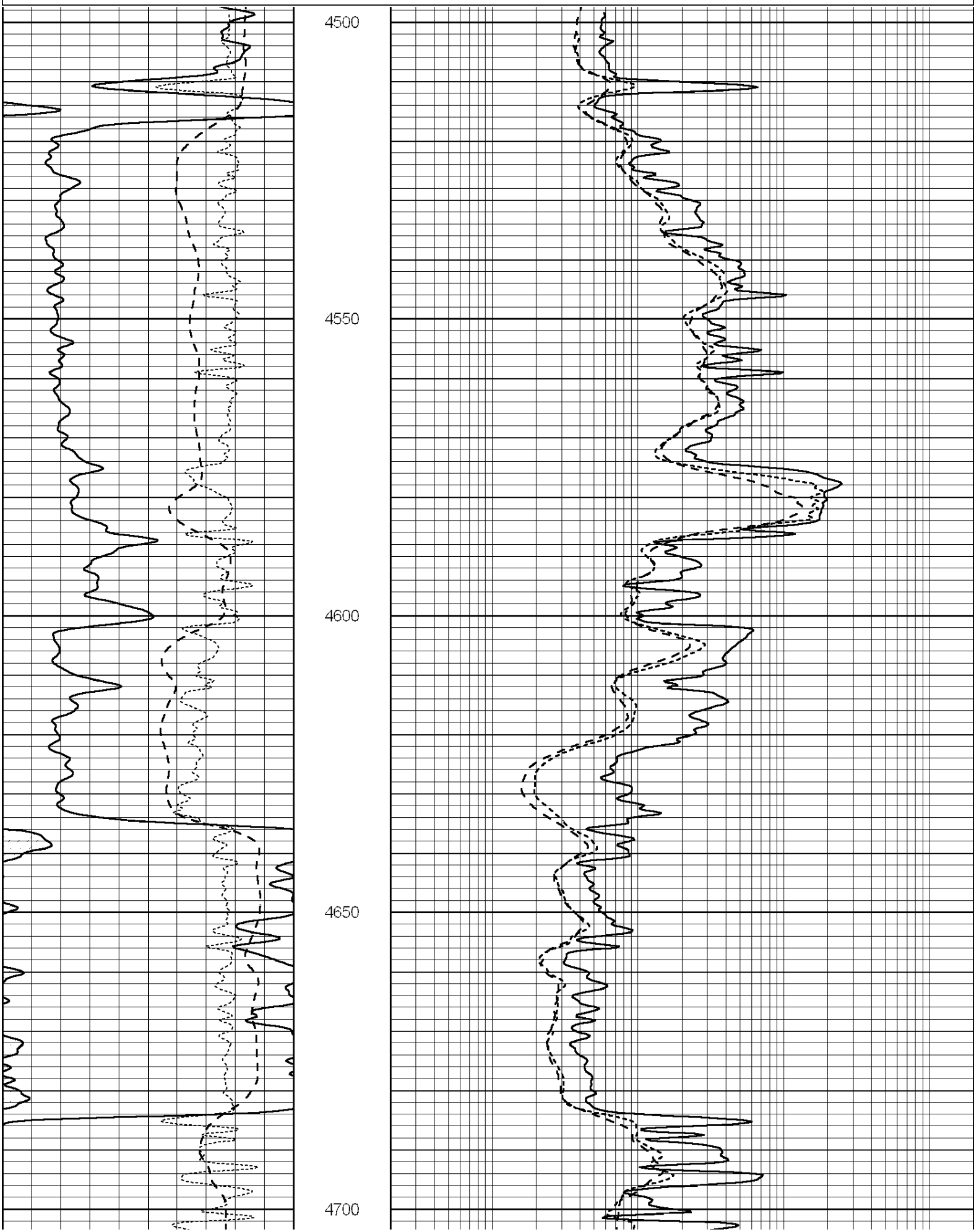
Database File:	006376ddn.db
Dataset Pathname:	pass2.2
Presentation Format:	_dil
Dataset Creation:	Tue Jul 26 19:55:38 2011 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

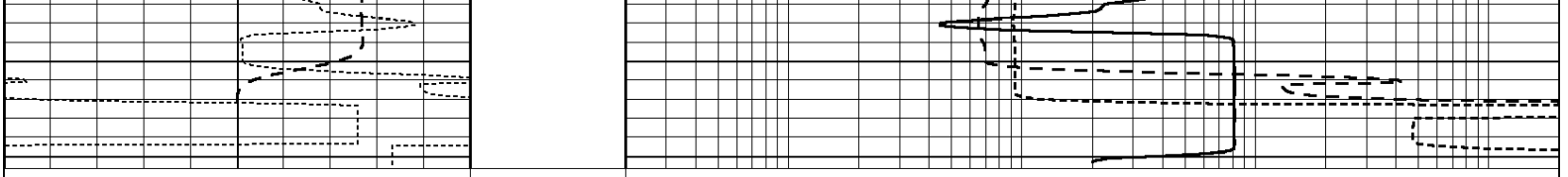
0	GAMMA RAY (GAPI)	150

0.2	SHALLOW GUARD (Ohm-m)	2000

-100	SP (mV)	100
-250	Rxo/Rt	50

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





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

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

Calibration Report

Database File: 006376ddn.db
Dataset Pathname: pass3.2
Dataset Creation: Tue Jul 26 20:42:37 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model:	PROBE7-DILG
Surface Cal Performed:	Wed Jul 30 06:14:24 2008
Downhole Cal Performed:	Mon Jul 28 12:02:56 2008
After Survey Verification Performed:	Mon Jul 28 12:02:56 2008

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	621.923	8.759
Medium	0.039	0.728	V	0.000	464.000	mmho/m	673.322	-26.058
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	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:	GEAR4-GEARHART
Source / Verifier:	143 / 143
Master Calibration Performed:	Sat Jul 16 17:35:04 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1015.91	497.51	cps
Aluminum	2.600	g/cc	227.67	350.20	cps

Spine Angle = 76.79 Density/Spine Ratio = 0.579

	Size		Reading	
Small Ring	8.10	in	2.50	V
Large Ring	14.00	in	4.70	V

Compensated Neutron Calibration Report

Serial Number: 6I
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

Gamma Ray Calibration Report

Serial Number: #8
Tool Model: OPEN
Performed: Mon Jun 13 16:56:43 2011

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 175.0 cps

Sensitivity: 0.8371 GAPI/cps

SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

MICRO LOG

Company	AMERICAN ENERGIES CORP.
Well	MURPHY #1-25
Field	WILDCAT
County	PRATT
State	KANSAS

Company AMERICAN ENERGIES CORPORATION
Well MURPHY #1-25
Field WILDCAT
County PRATT State KANSAS
Location: API # : 15-151-22377-0000
1400' FSL & 990' FEL
SEC 25 TWP 29S RGE 12W

Other Services
DIL
CNL/CDL

Permanent Datum	GROUND LEVEL	Elevation	1866
Log Measured From	KELLY BUSHING 10' A.G.L.		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 1876
D.F. 1874
G.L. 1866

Date	7/26/11		
Run Number	TWO		
Depth Driller	4708		
Depth Logger	4709		
Bottom Logged Interval	4707		
Top Log Interval	2600		
Casing Driller	8 5/8" @ 310		
Casing Logger	310		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4000 PPM	
Density / Viscosity	9.2/53		
pH / Fluid Loss	9.0/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.60 @ 104F		
Rmf @ Meas. Temp	0.45 @ 104F		
Rmc @ Meas. Temp	0.72 @ 104F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.51 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	6:45 P.M		
Maximum Recorded Temperature	122F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	DAN GOTTSCHALK		
Witnessed By	DAVE GOLDAK		

<<< Fold Here >>>

Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
SAWYER - 6 EAST - 3/4 SOUTH - WEST INTO

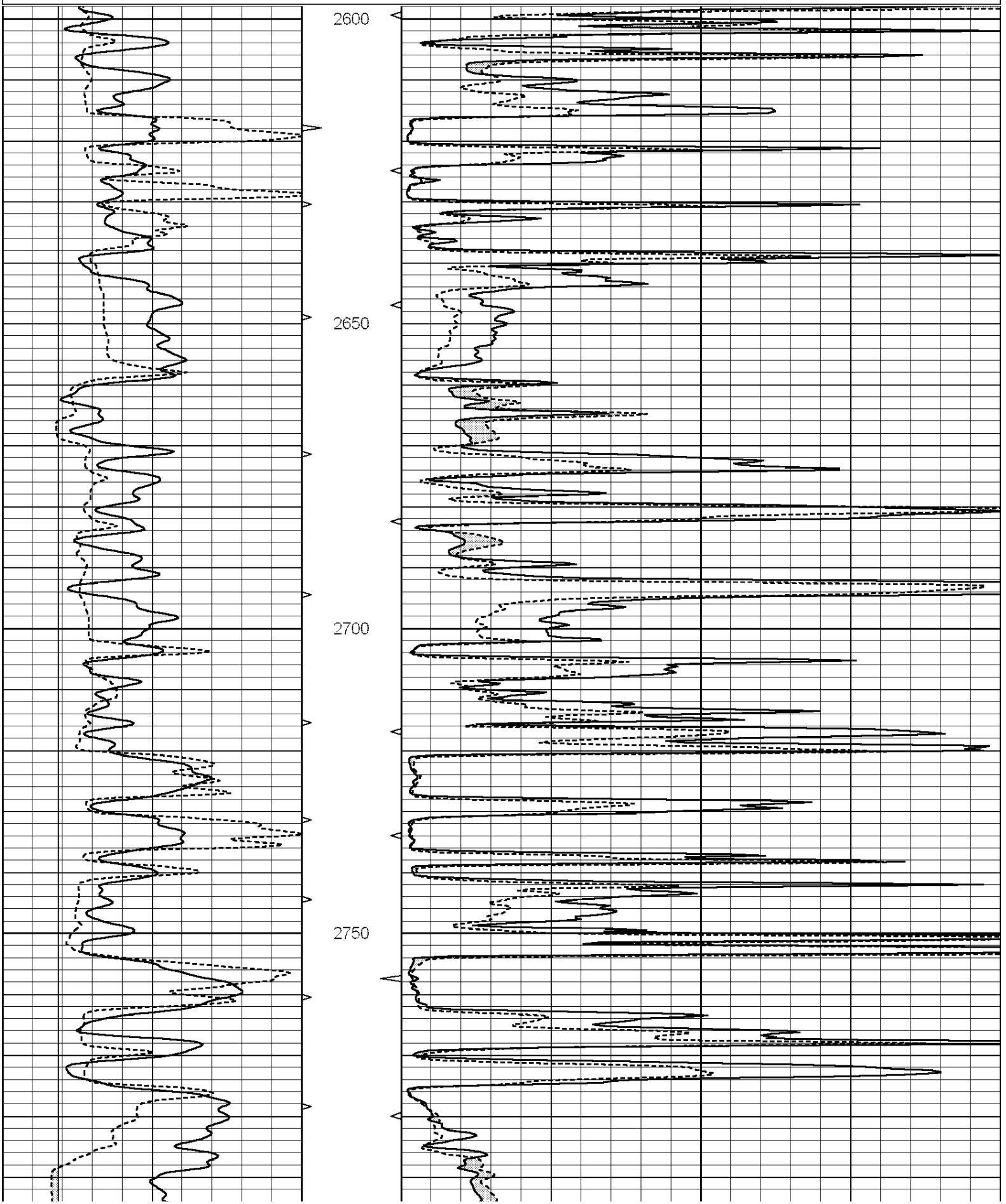
Database File:	006376ddn.db
Dataset Pathname:	pass6.1
Presentation Format:	_micro
Dataset Creation:	Tue Jul 26 22:35:55 2011 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

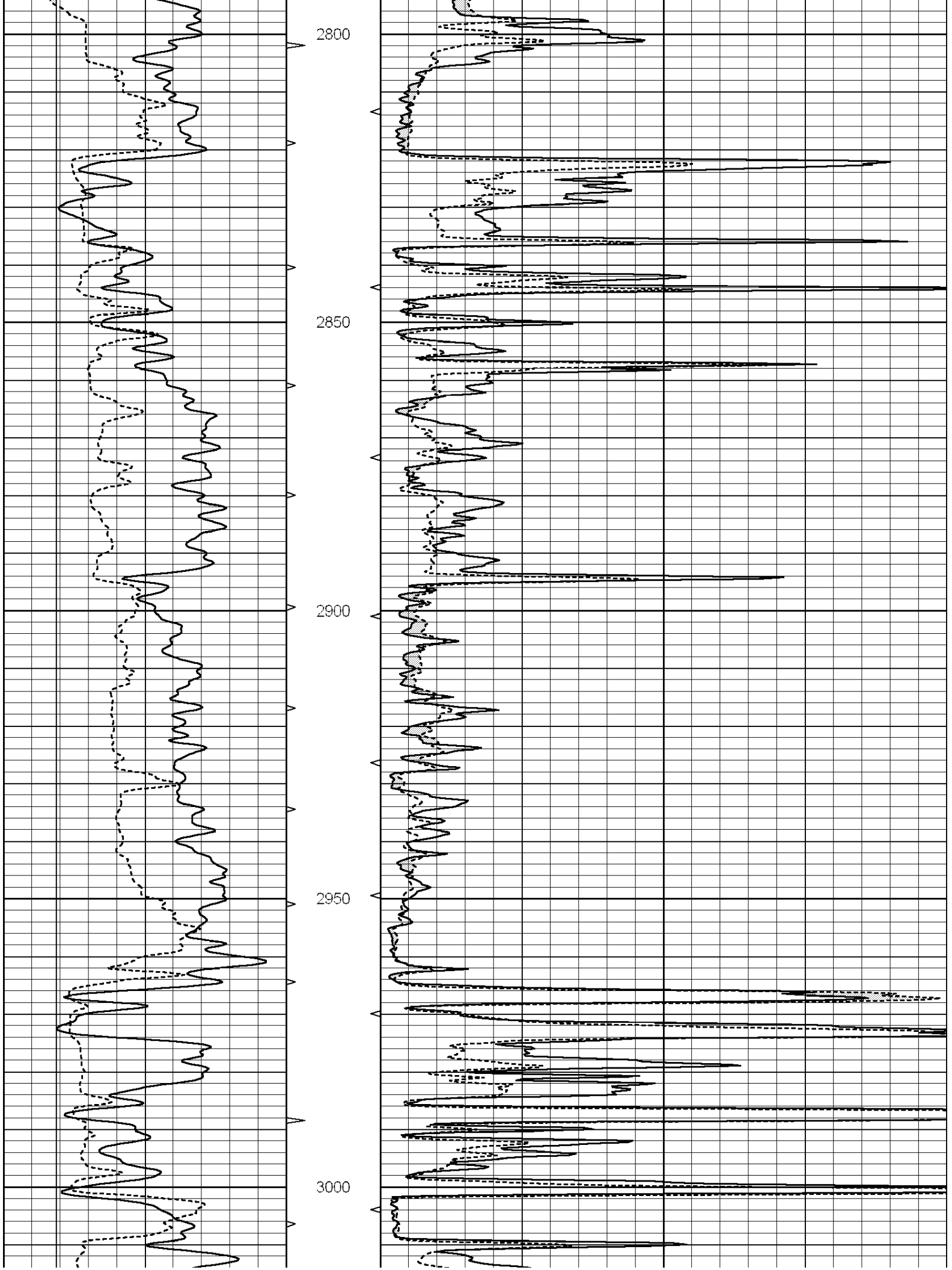
Charted by: Depth in Feet scaled 1:240

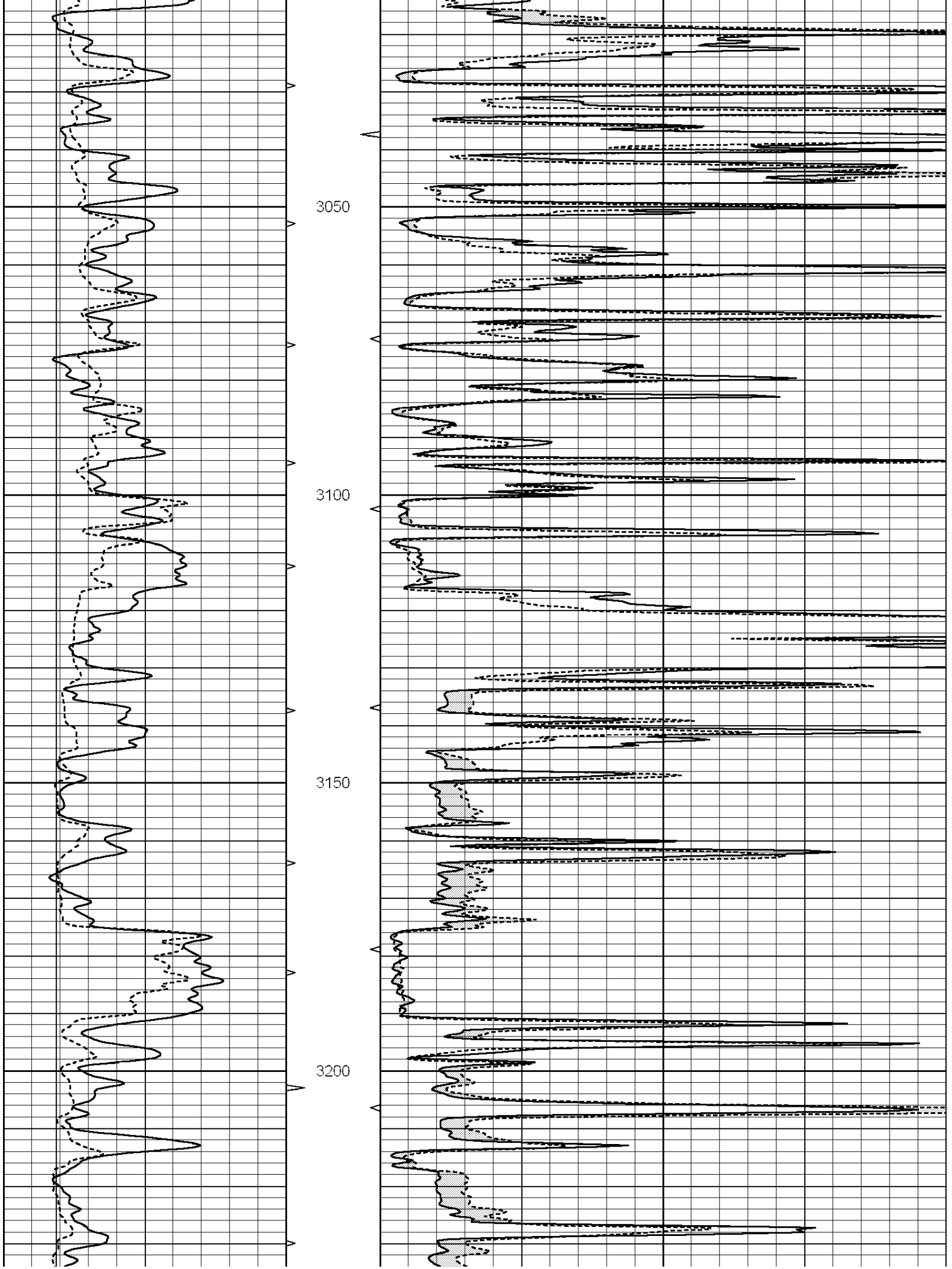
0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16

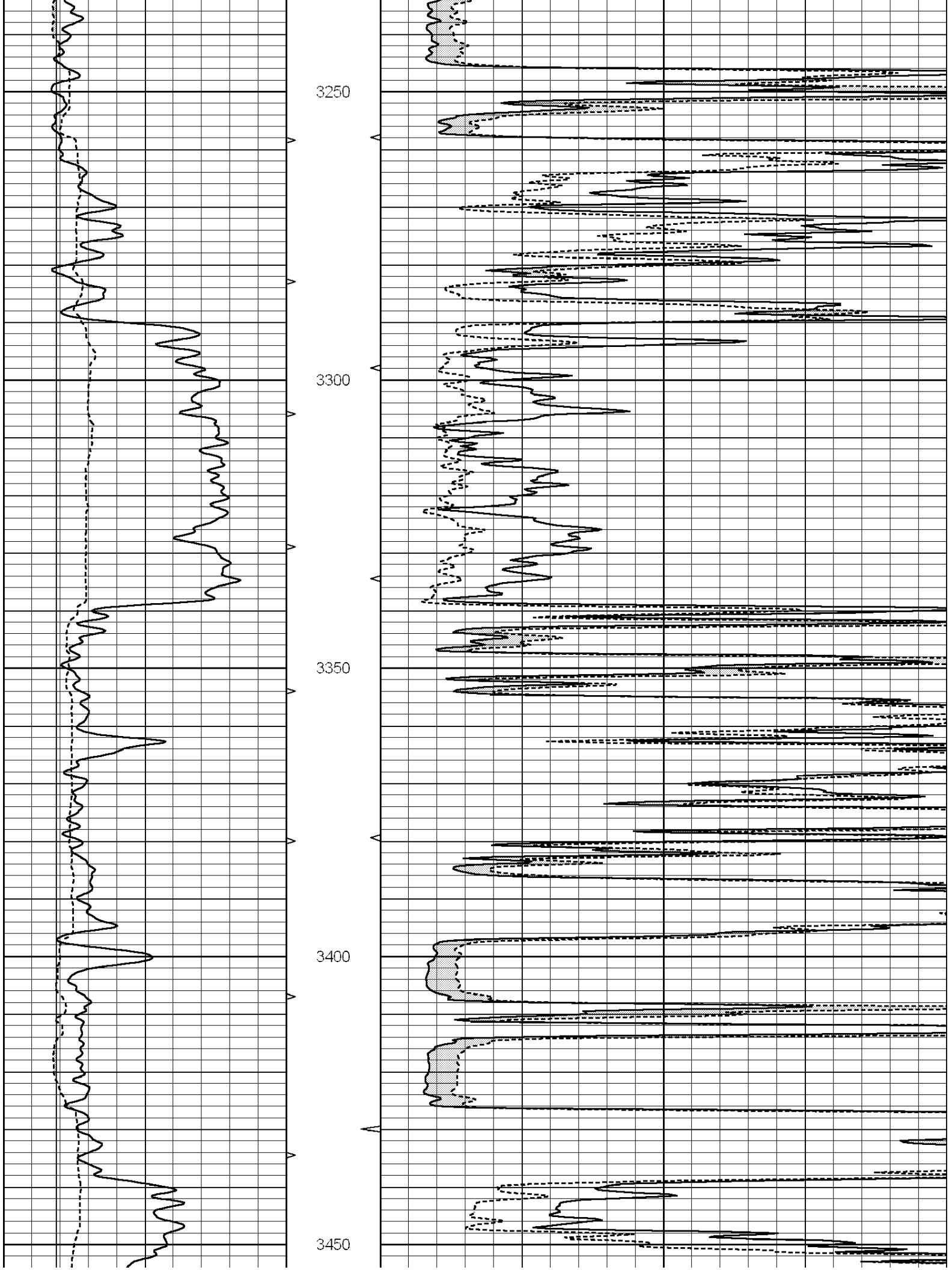
ABHV		
10	(ft3)	0
TBHV		
0	(ft3)	10

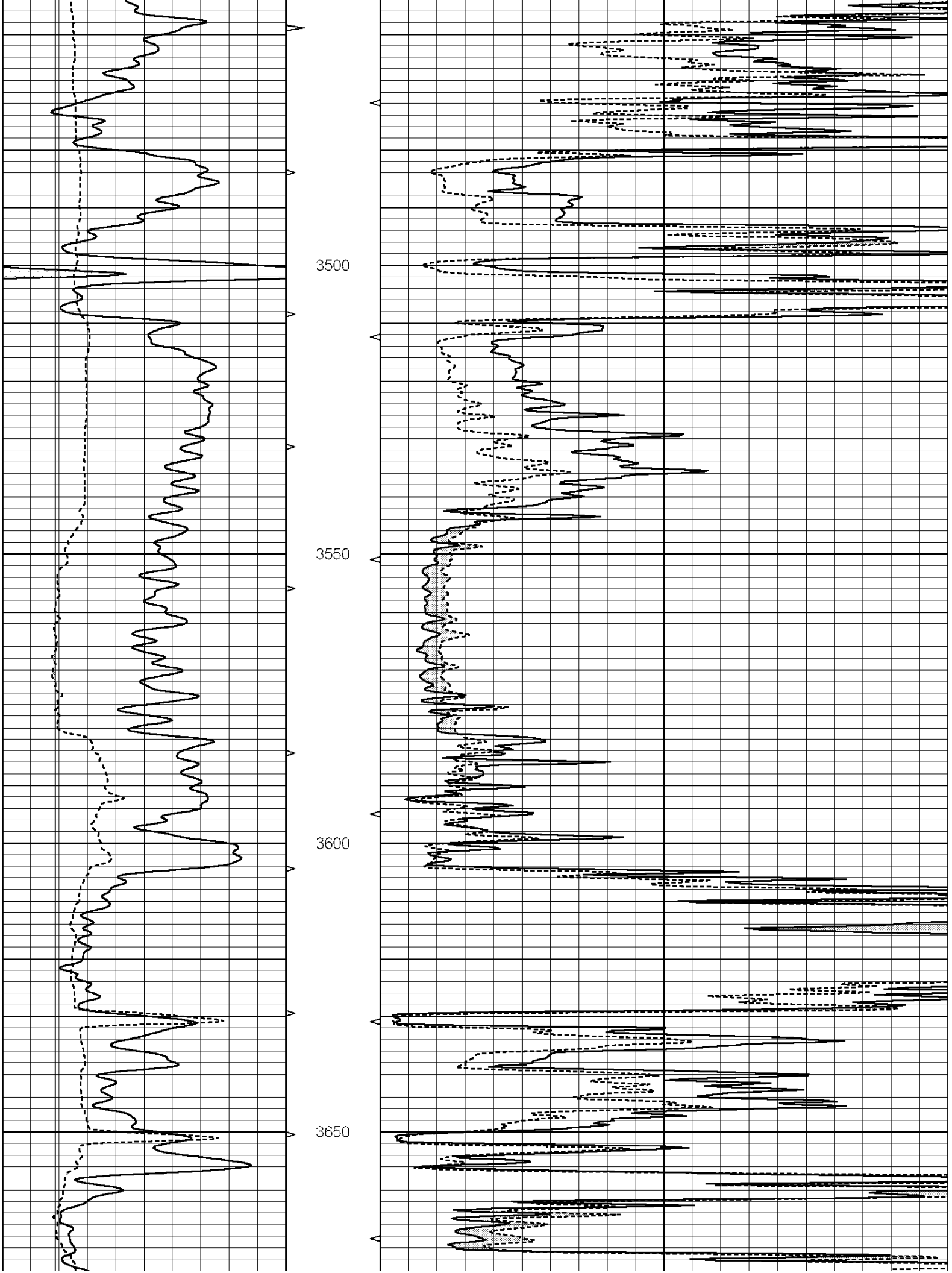
0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40

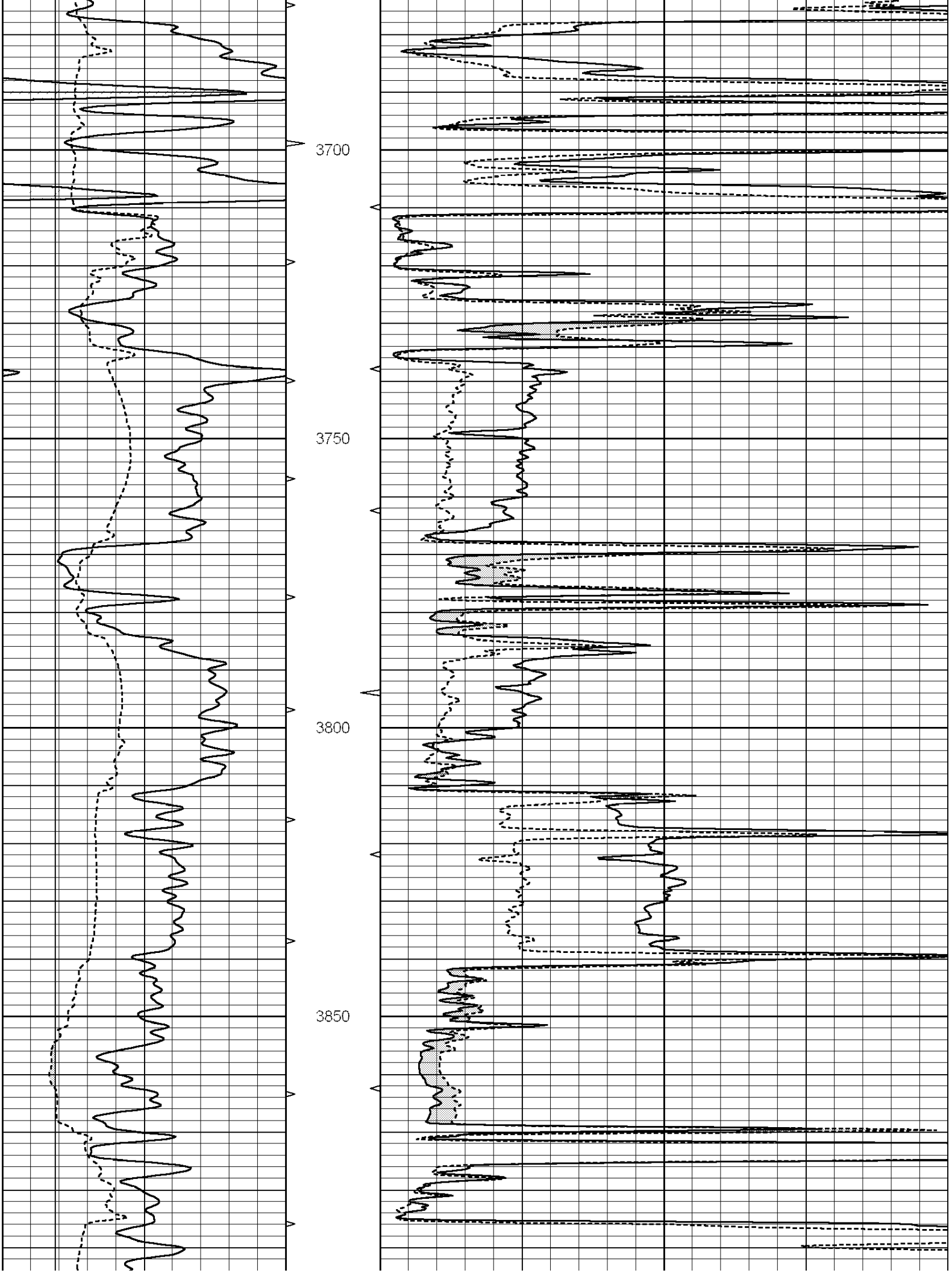


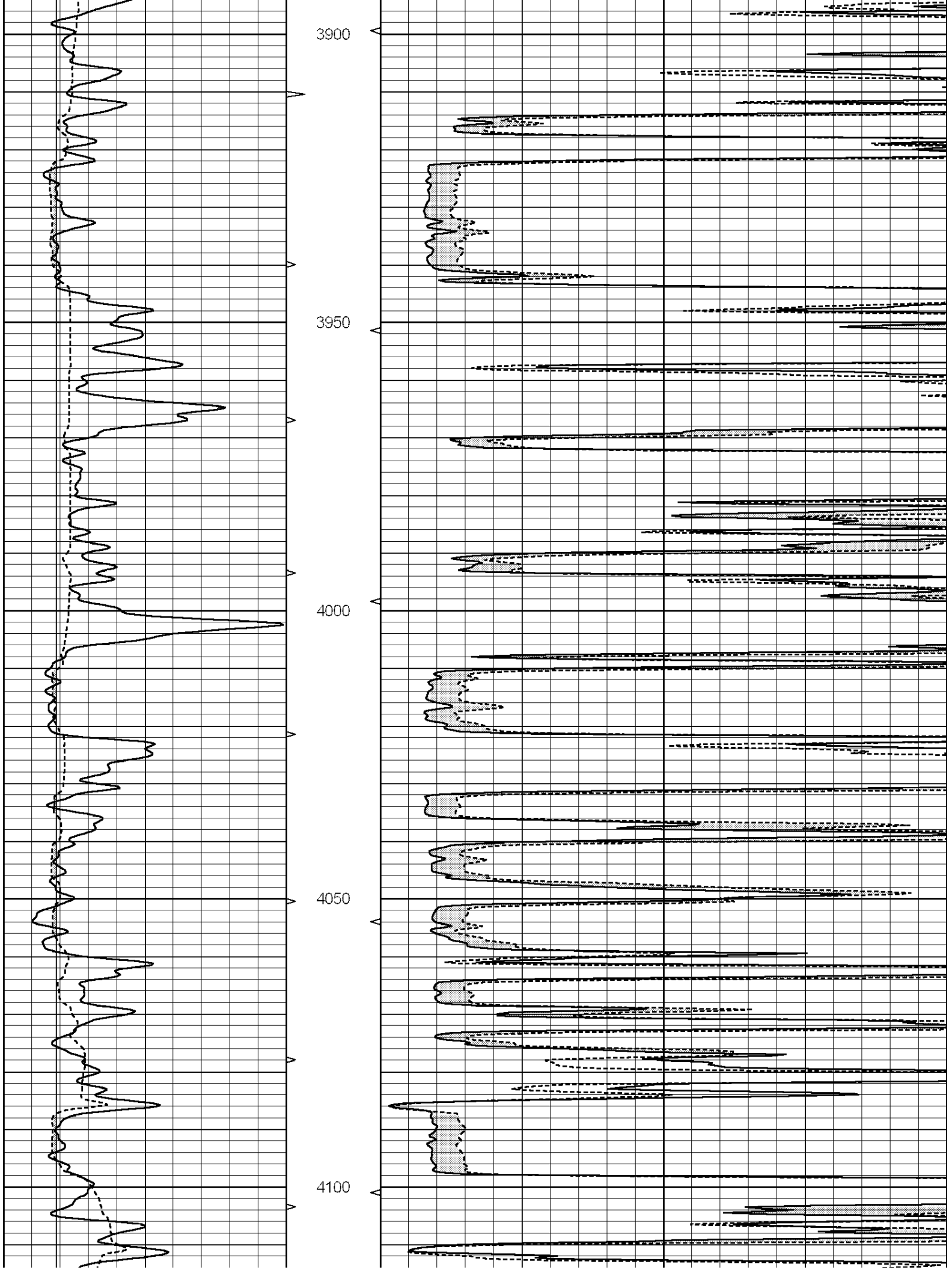

2800
2850
2900
2950
3000

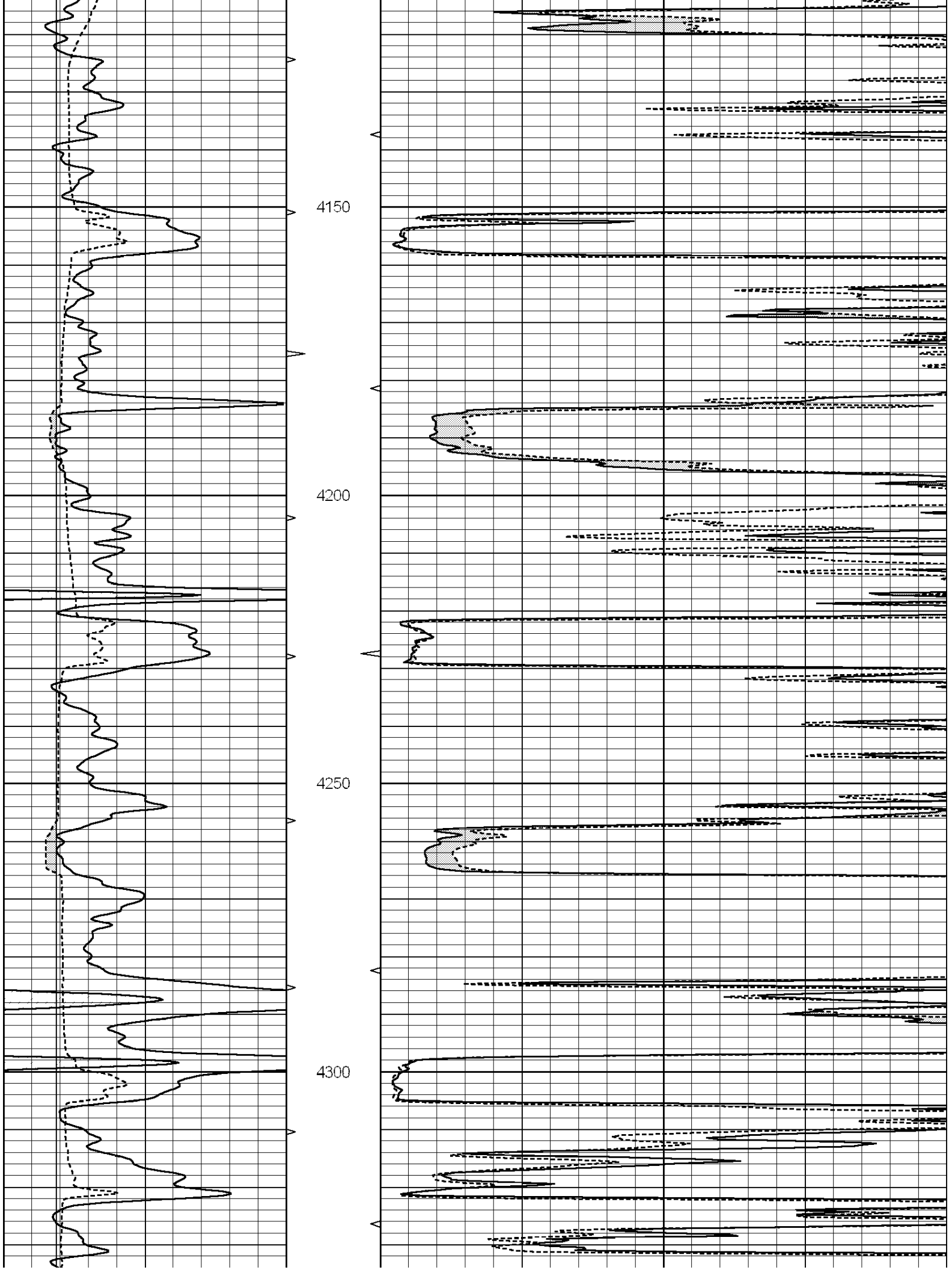

3050
3100
3150
3200

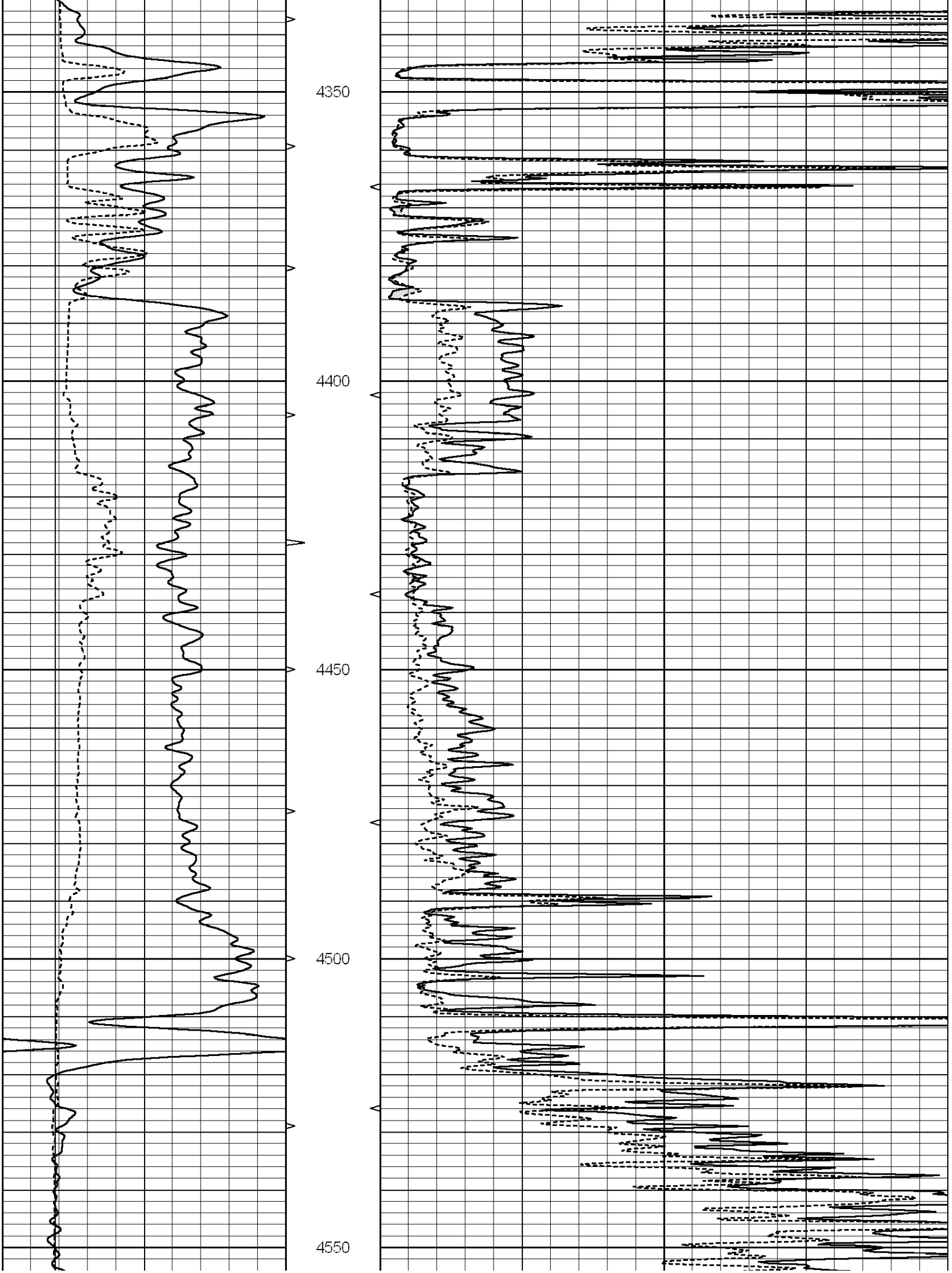

3250
3300
3350
3400
3450

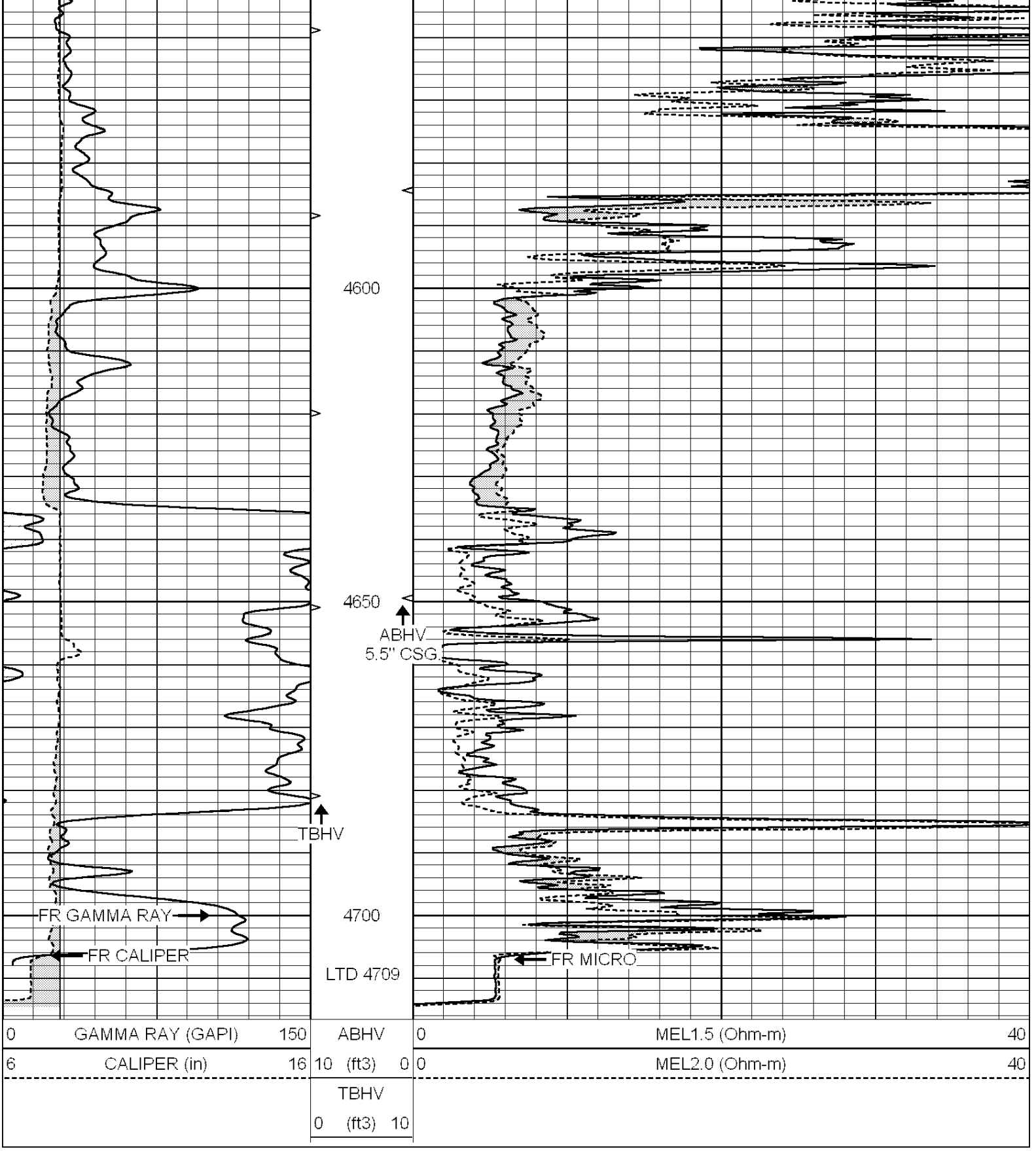

3500
3550
3600
3650


3700
3750
3800
3850


3900
3950
4000
4050
4100


4150
4200
4250
4300


4350
4400
4450
4500
4550



SUPERIOR WELL SERVICES

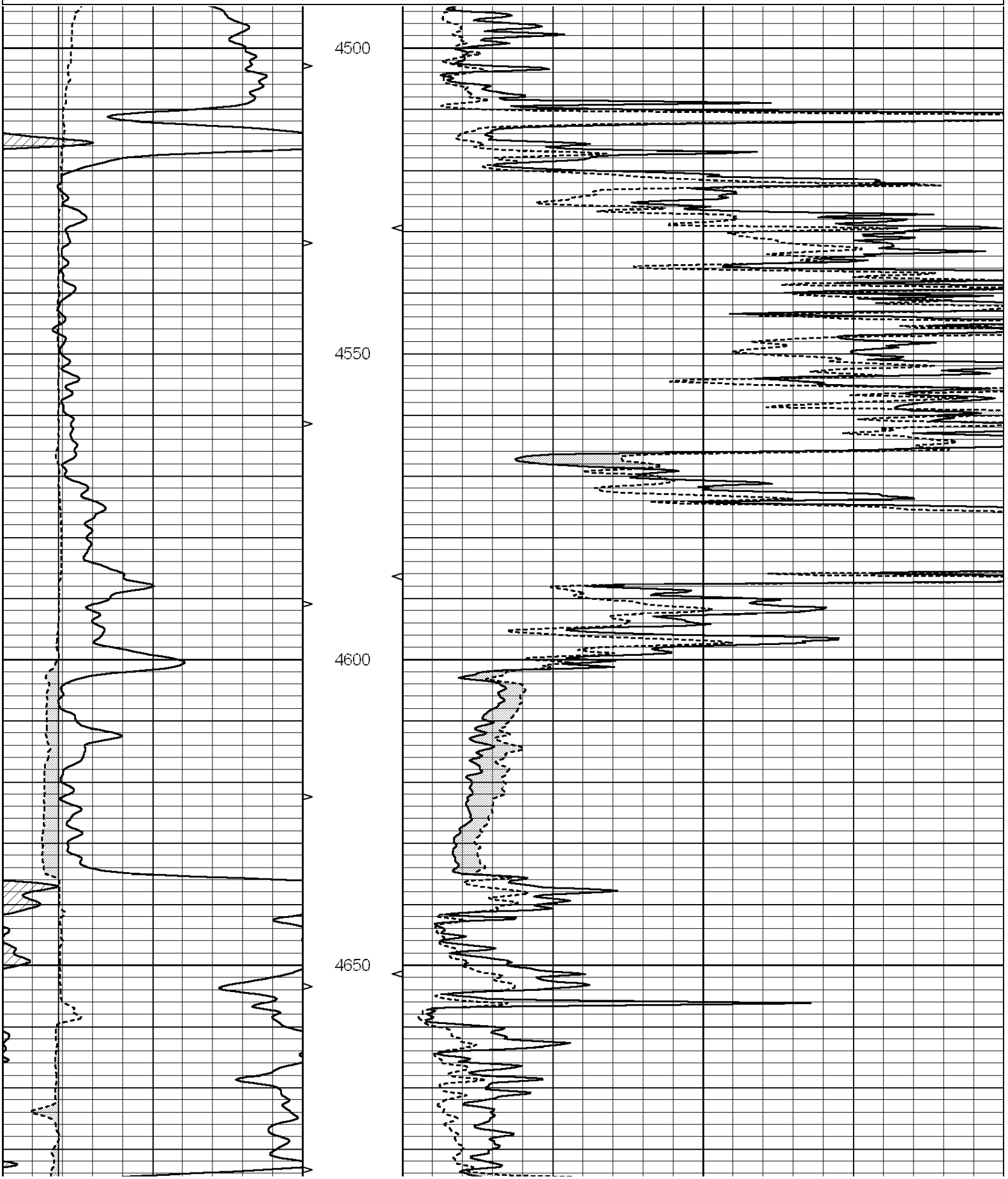
SUPERIOR
Hays,
Kansas

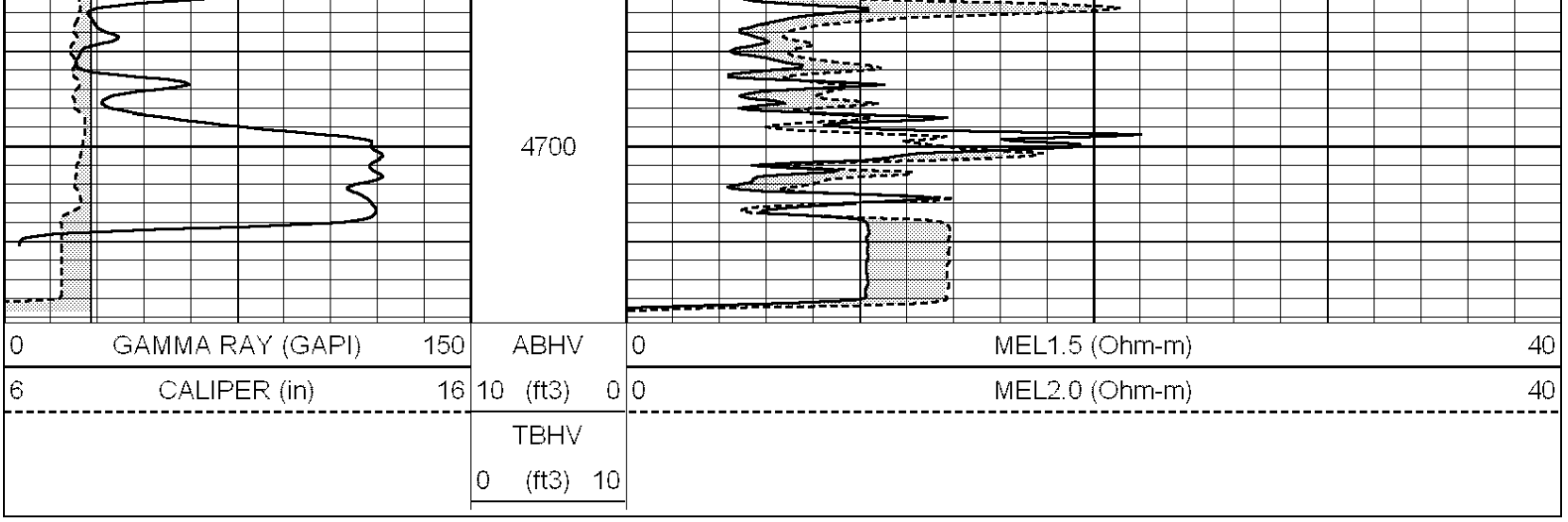
REPEAT SECTION

Database File: 006376ddn.db
Dataset Pathname: pass5.2
Presentation Format: _micro

Dataset Creation: Tue Jul 26 22:04:27 2011 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
	TBHV	
	0 (ft3) 10	





Calibration Report

Database File: 006376ddn.db
Dataset Pathname: pass6.1
Dataset Creation: Tue Jul 26 22:35:55 2011 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Tue Jul 26 21:50:12 2011	
Caliper Calibration:	Gain=5.211	Offset=0.000
	Low Cal	High Cal
References	8.000	14.000
Readings	1.178	2.330
1.5" Calibration:	Gain=35.075	Offset=-0.650
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196
2" Calibration:	Gain=40.041	Offset=-0.600
	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps

GEOLOGIC REPORT

DAVID J. GOLDAK

WICHITA, KANSAS

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

Well Name:	**Murphy #1-25**		
Location:	**Section 25 - T29S - R12W**		
License Number:	**API: 15-151-22377**	**Region:**	**Pratt Co., KS**
Spud Date:	**14 July 2011**	**Drilling Completed:**	**26 July 2011**
Surface Coordinates:	**1400' FSL and 990' FEL** **Approx. E/2 - W/2 - SE**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**1866'**	**K.B. Elevation (ft):**	**1876'**
Logged Interval (ft):	**2434'** **To: 4708'**	**Total Depth (ft):**	**4708'**
Formation:	**Arbuckle**		
Type of Drilling Fluid:	**Chemical - Mud-Co**		

OPERATOR

Company: **American Energies Corporation**
Address: **155 N. Market., Suite 710**
Wichita, Kansas 67202

GEOLOGIST

Name: **David J. Goldak**
Company: **D. J. GOLDAK, INC.**
Address: **155 N. Market, Suite 710**
Wichita, Kansas 67202

General Info

CONTRACTOR: Pickrell Drilling, Rig #1

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	JZ - L116	3-15s	316	316	3.00
2	7-7/8	JZ-QX20J	3-14s	4615	4299	109.00
3	7-7/8	JZ-547	3-14s	4708	93	7.25

SURVEYS: 316'-0.5, 1375'-0.75, 2433'-0.50, 3202'-1.25, 4365'-0.75; 4708'-0.75

GENERAL DRILLING AND PUMP INFORMATION:
Drilling with 35,000-40,000 lbs. on bit and 75 RPM.
Pumping 62 S/M, 7.9 B/M, and 800 psi at standpipe.

Daily Status

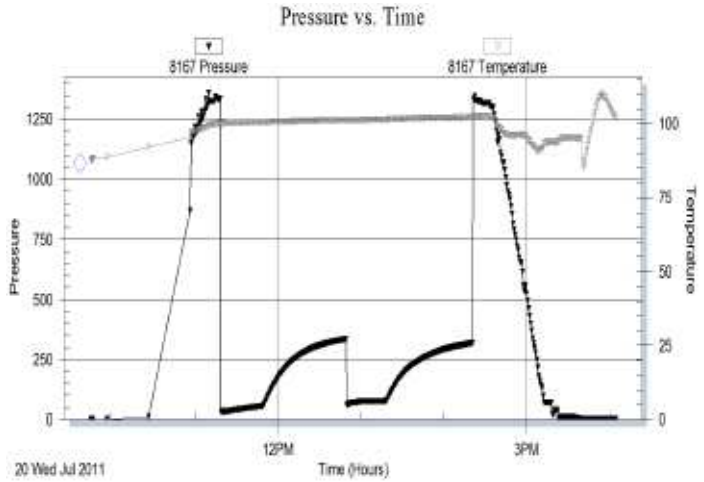
07/14/11 - Spud @ 6:15 PM; Set 8-5/8" Csg at 310'
07/15/11 - 316' Shut down
07/16/11 - 316' Shut down
07/17/11 - 316' Shut down
07/18/11 - 781' Drilling
07/19/11 - 2,075' Drilling
07/20/11 - 2,814' Prep for DST #1
07/21/11 - 3,180' Drilling; DST #2 in PM
07/22/11 - 3,427' Drilling
07/23/11 - 3,864' DST #3
07/24/11 - 4,135' Drilling
07/25/11 - 4,535' Drilling; DST #4 in PM
07/26/11 - 4,625' Drilling; RTD 4708'; Log in PM

DST #1: 2,768' - 2,814' (Indian Cave)
30" - 60" - 30" - 60"

IF: Good blow, BOB in 4-1/2 minutes
ISI: No blow back
FF: Weak blow, building to 8 inches
FSI: No blow back

RECOVERY: 240' GIP & 125' Total Fluid, consisting of:
125' WM (probably thin drilling mud)
Chlorides Recovery: 47,000 ppm

SIP: 333-318; FP: 29-54, 59-76; HP: 1335-1330; BHT: 102

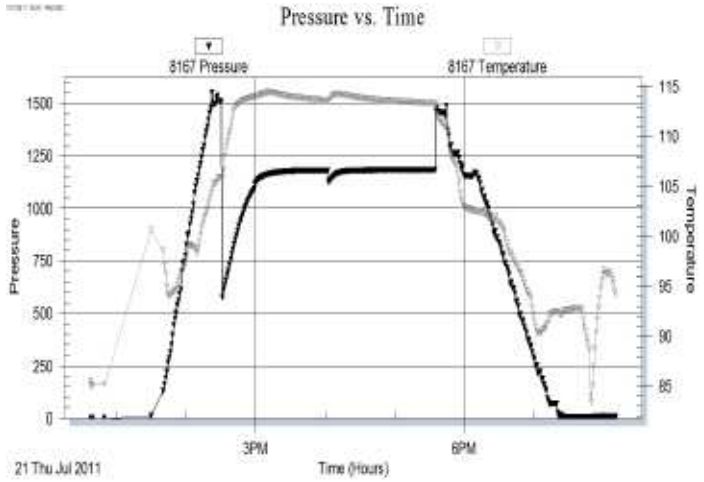


DST #2: 3,150' - 3,202' (Bern Ls)
30" - 60" - 30" - 60"

IF: Good blow, BOB in 35 seconds
ISI: No blow back
FF: Good blow, BOB in 50 seconds
FSI: No blow back

RECOVERY: 2,520' Total Fluid, consisting of:
310' MW (85% W, 15% M)
2,210' GCW (4% G, 96% W)
Chlorides Recovery: 105,000 ppm

SIP: 1181-1183; FP: 576-1093, 1126-1181; HP: 1510-1474; BHT: 114

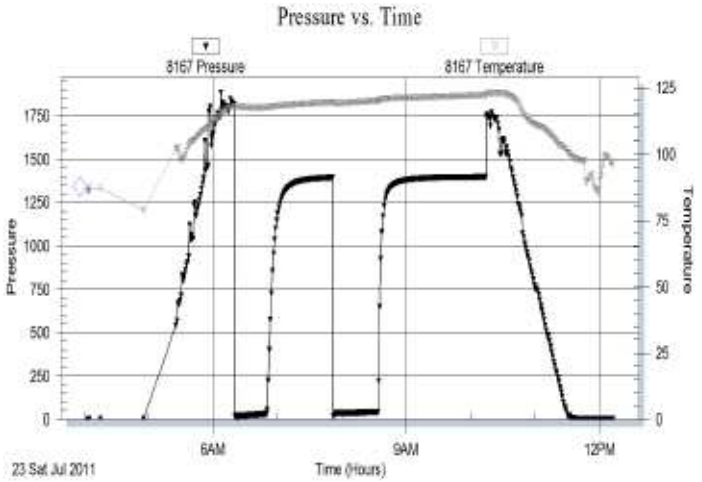


DST #3: 3,858' - 3,864' (Lower Douglas Sand)
30" - 60" - 45" - 90"

IF: Good blow, BOB in 2 minutes
ISI: No blow back
FF: GTS in 16 min. - Guaged through 1/4" orifice:
20 & 30 min. - 26 MCF, 40 & 45 min. - 28 MCF
FSI: No blow back

RECOVERY: 65' Total Fluid, consisting of:
65' MW (55% W, 45% M)
Chlorides Recovery: 28,000 ppm

SIP: 1393-1396; FP: 16-31, 19-41; HP: 1820-1757; BHT: 122

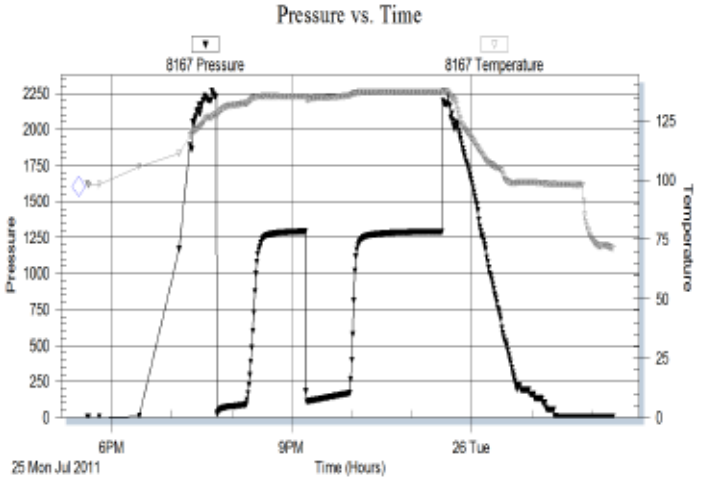


DST #4: 4,586' - 4,615' (Simpson Sand)
30" - 60" - 45" - 90"

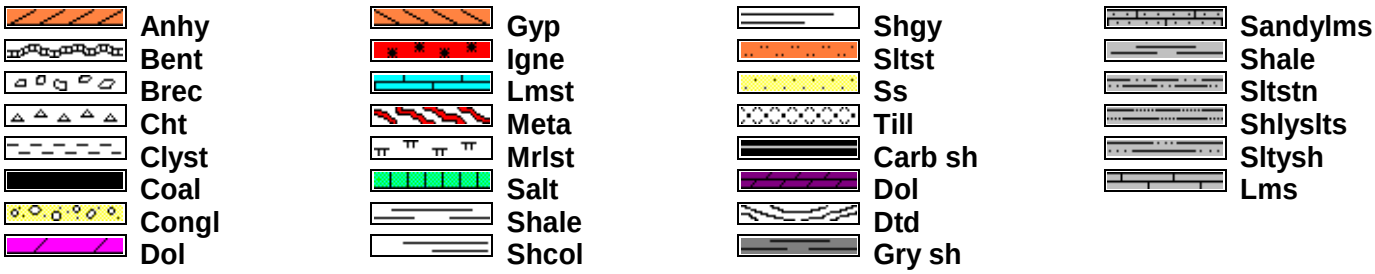
IF: Good blow, BOB in 7 minutes
ISI: Fair blow, building to 11 inches
FF: GTS in 9 min. - Guaged through 1/4" orifice:
20 min. - 24 MCF, 30 & 45 min. - 26 MCF
FSI: Fair blow, building to BOB

RECOVERY: 417' Total Fluid, consisting of:
110' GMCO (60% G, 22% O, 18% M)
242' GM&WCO (36% G, 44% O, 16% W, 4% M)
65' OCMW (5% O, 84% W, 11% M)
Chlorides Recovery: 59,000 ppm

SIP: 1292-1291; FP: 27-92, 107-168; HP: 2233-2190; BHT: 137



ROCK TYPES



ACCESSORIES

MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Slty

FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

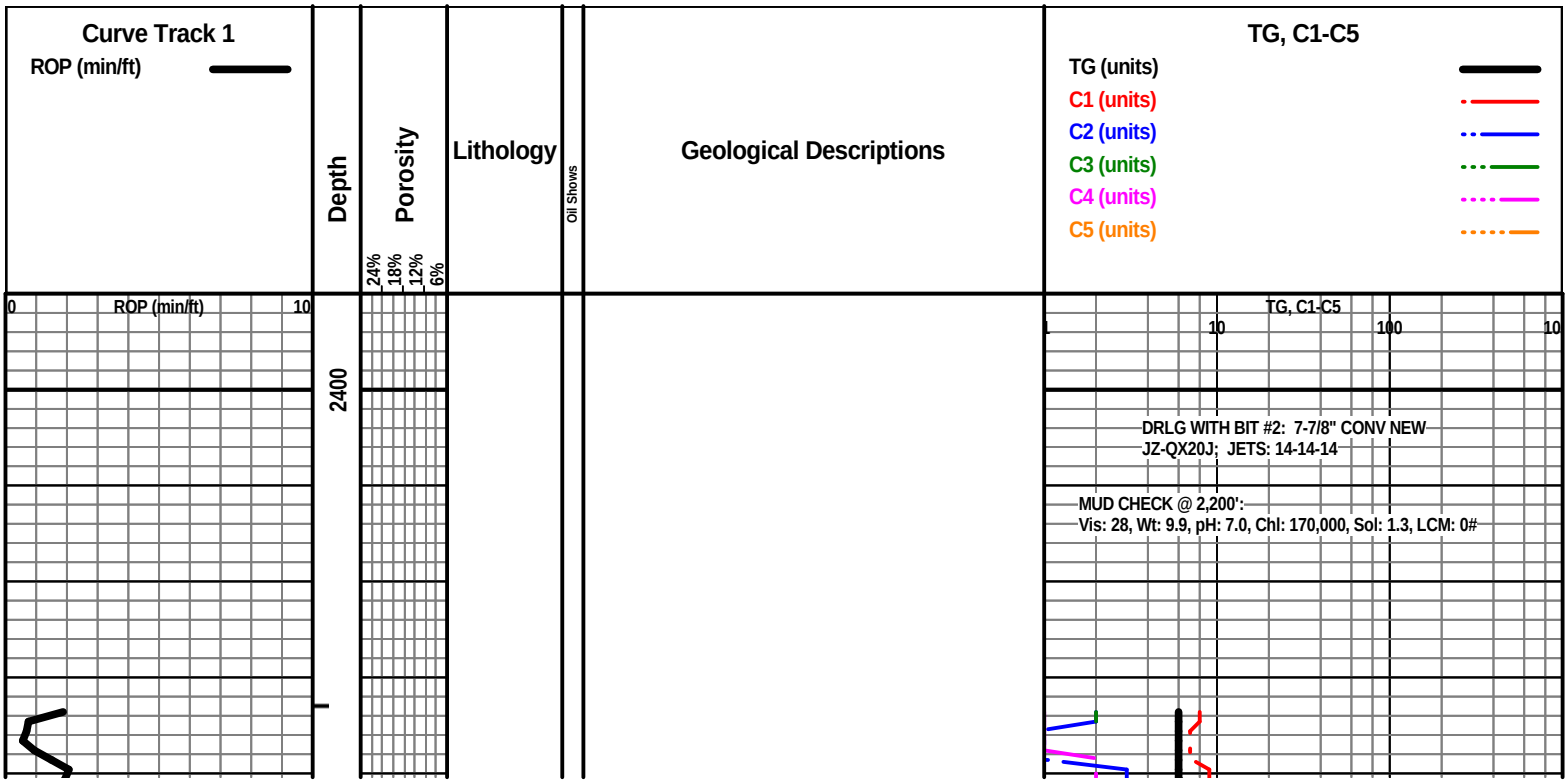
SORTING
- Well
- Moderate
- Poor

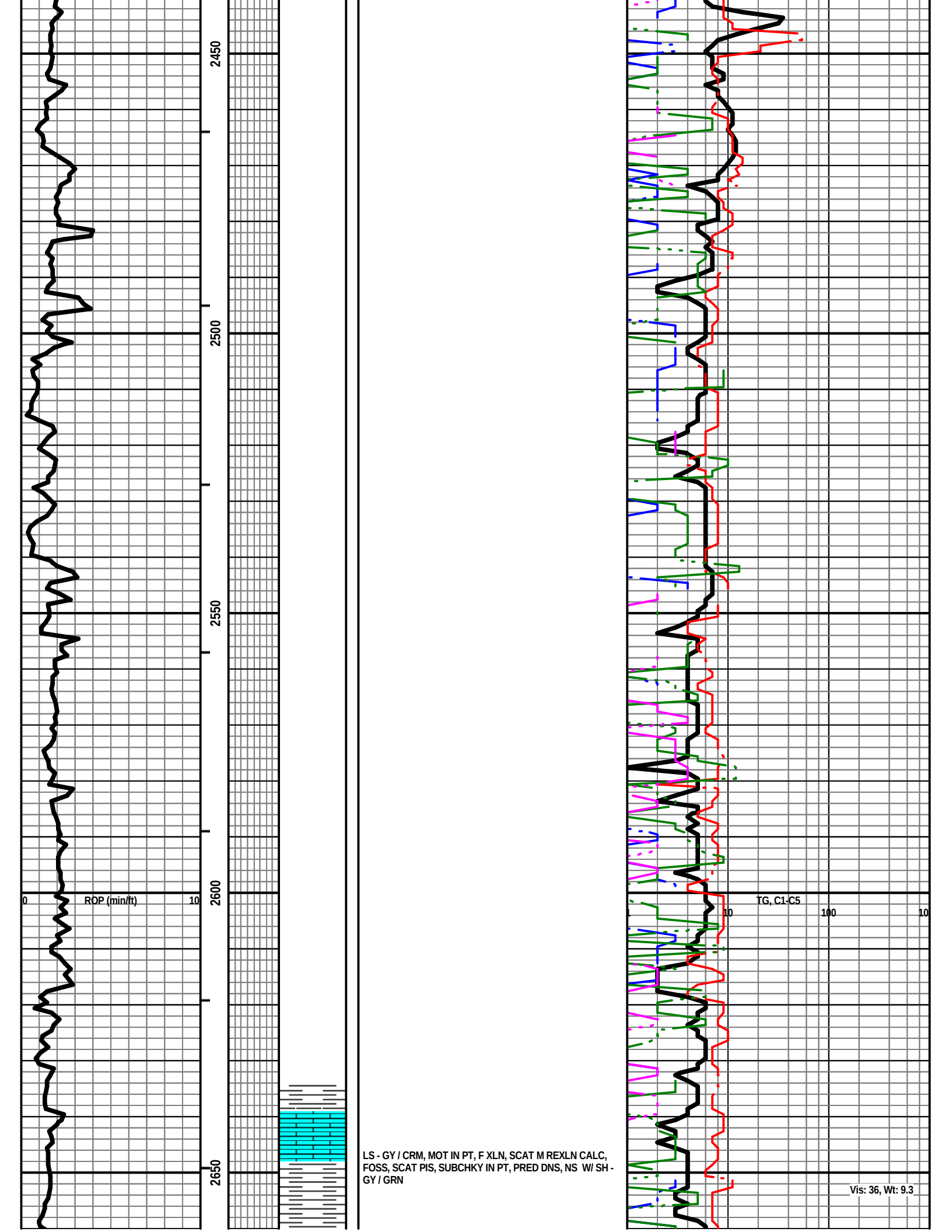
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

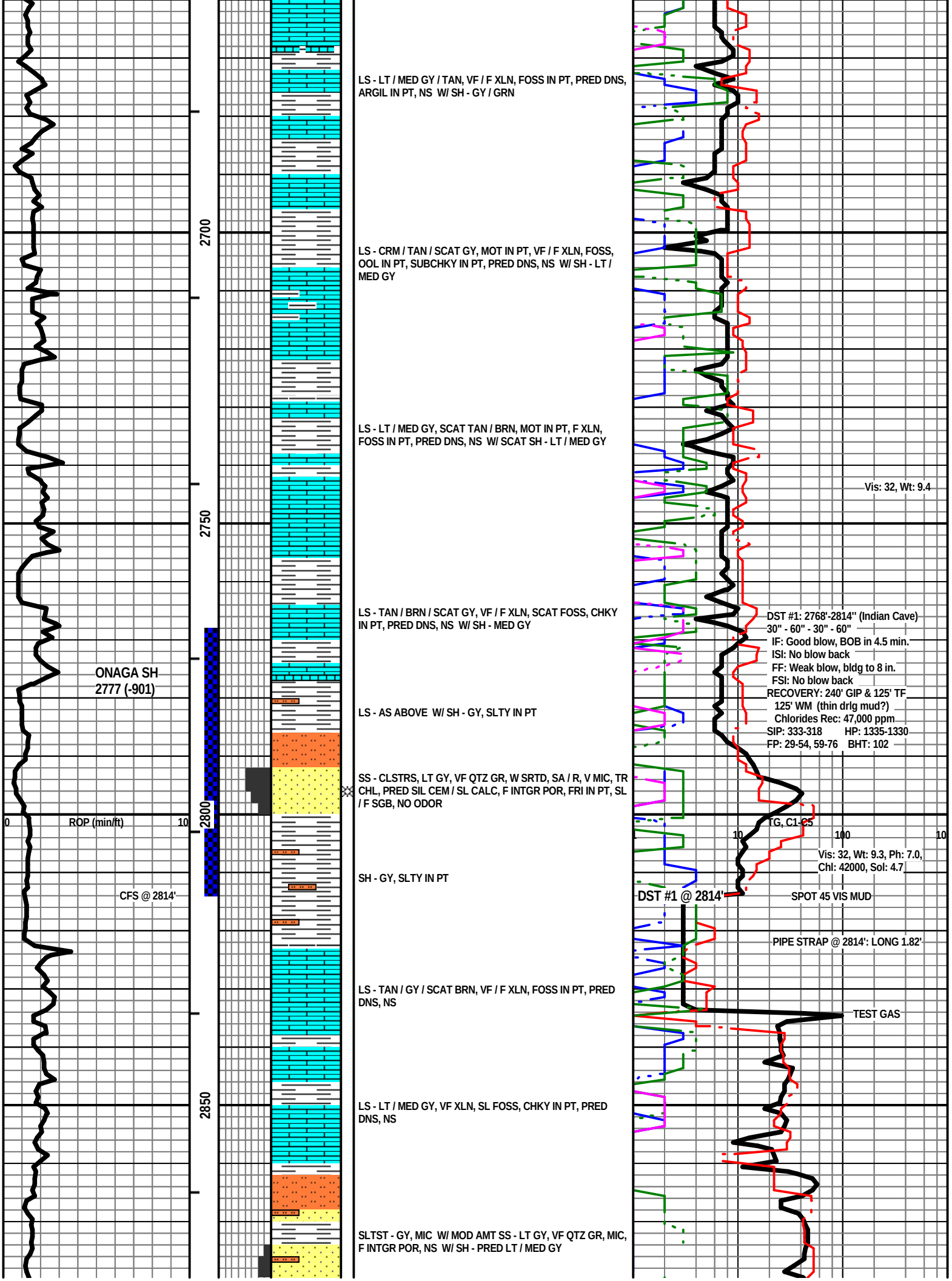
OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

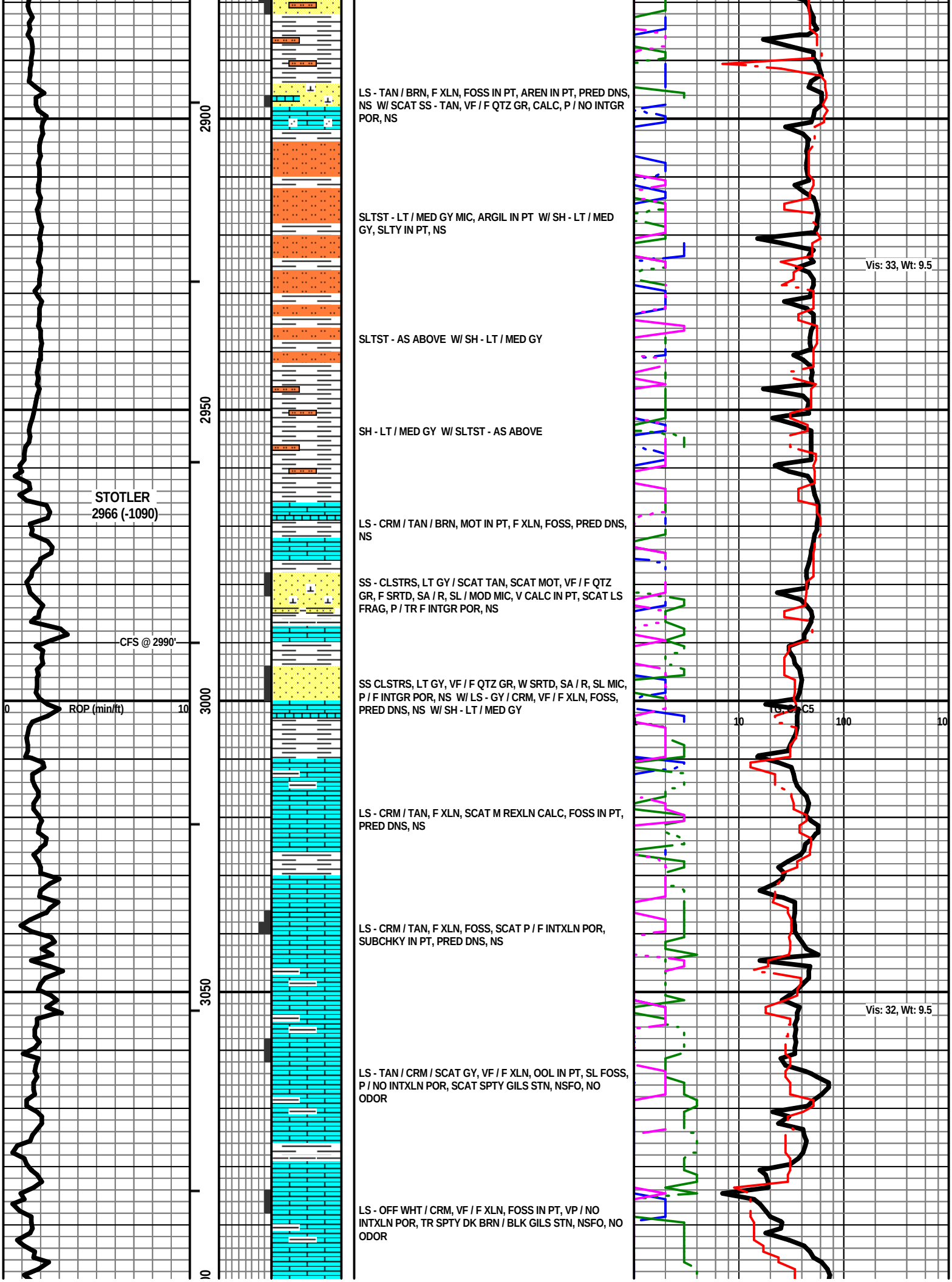
INTERVALS
- Core
- Dst
- Dst/2
- Dst

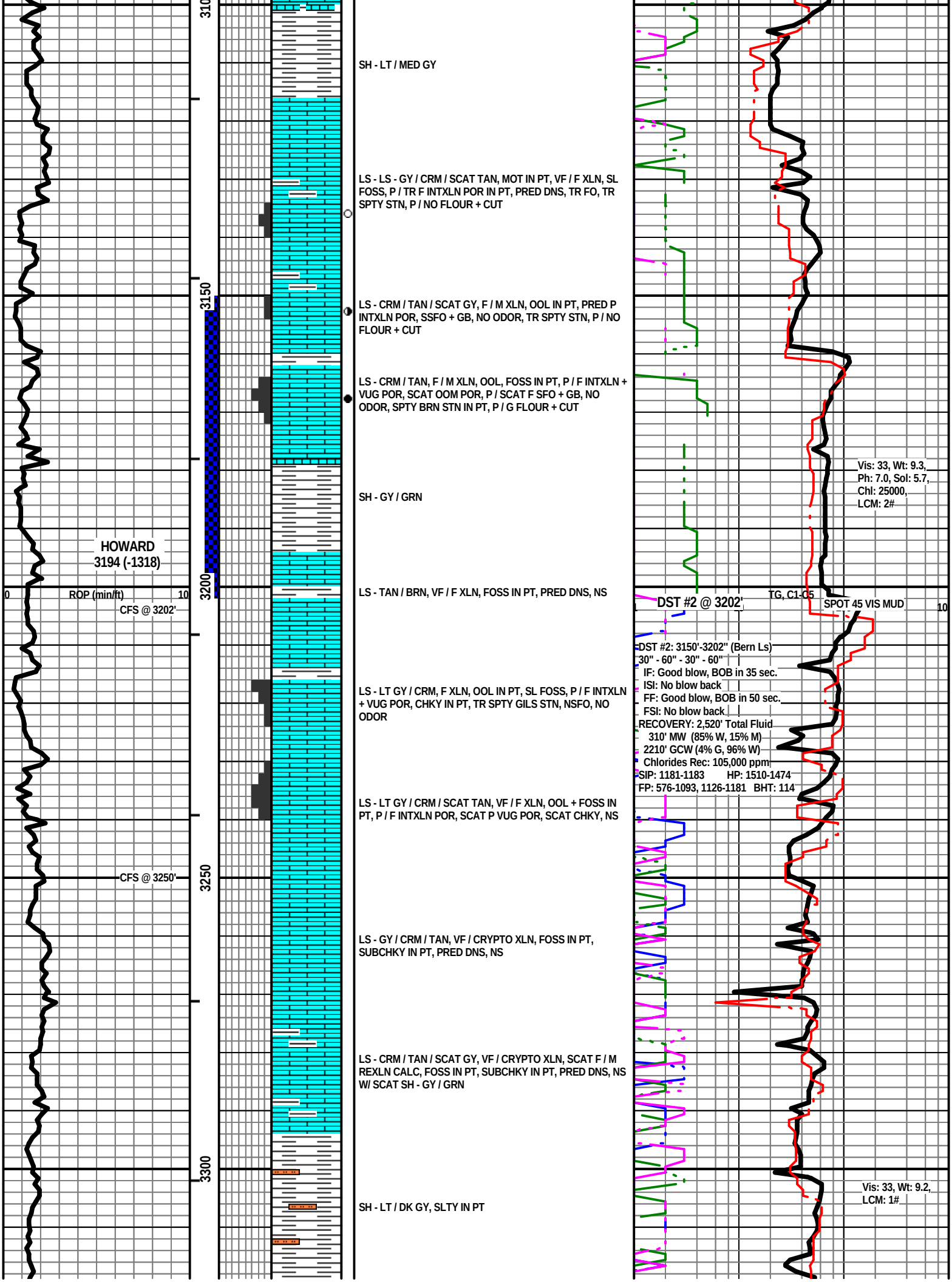
EVENTS
- Rft
- Sidewall
- Conn

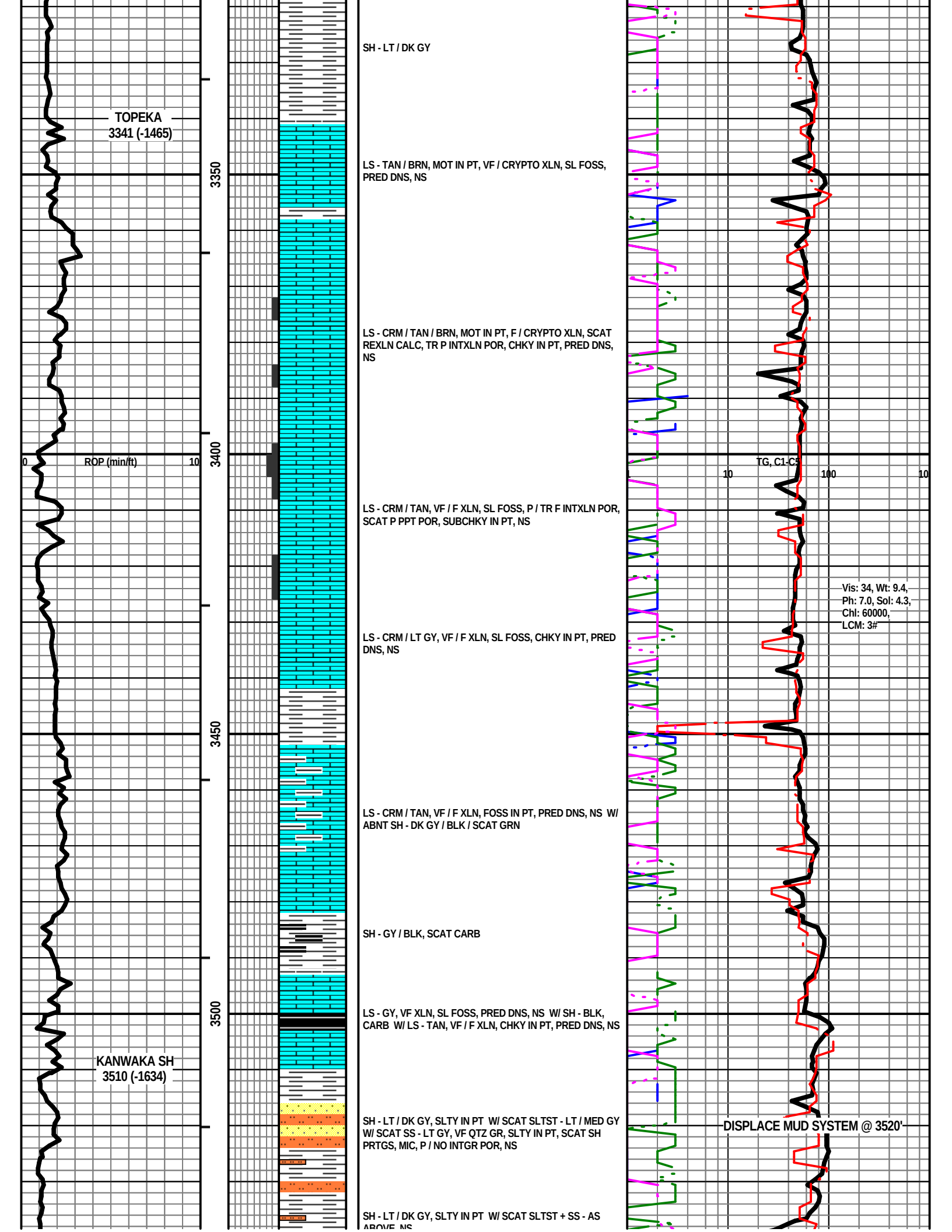


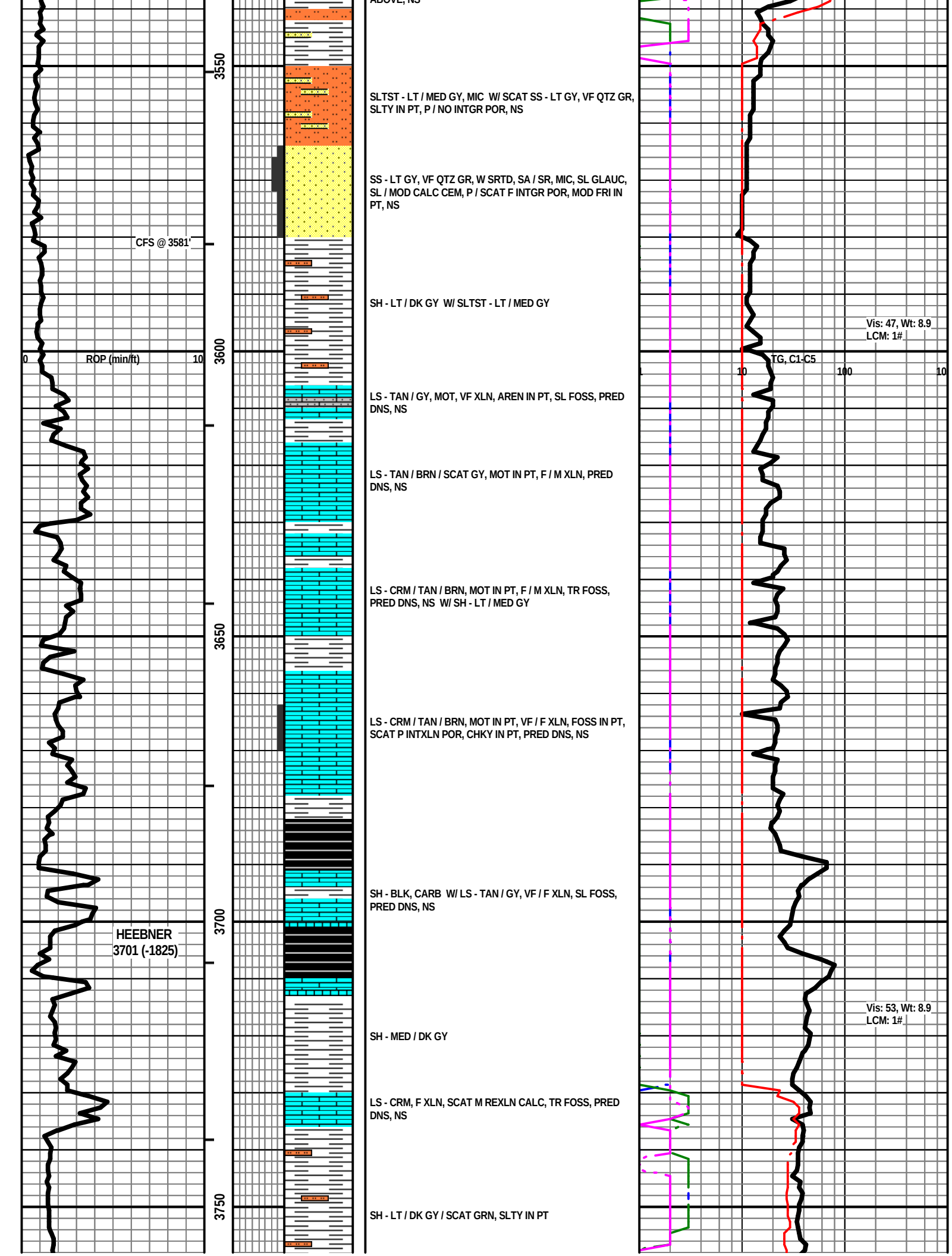

2450
2500
2550
2600
2650
0
ROP (min/ft)
10
TG, C1-C5
1
10
100
10
LS - GY / CRM, MOT IN PT, F XLN, SCAT M REXLN CALC, FOSS, SCAT PIS, SUBCHKY IN PT, PRED DNS, NS W/ SH - GY / GRN
Vis: 36, Wt: 9.3

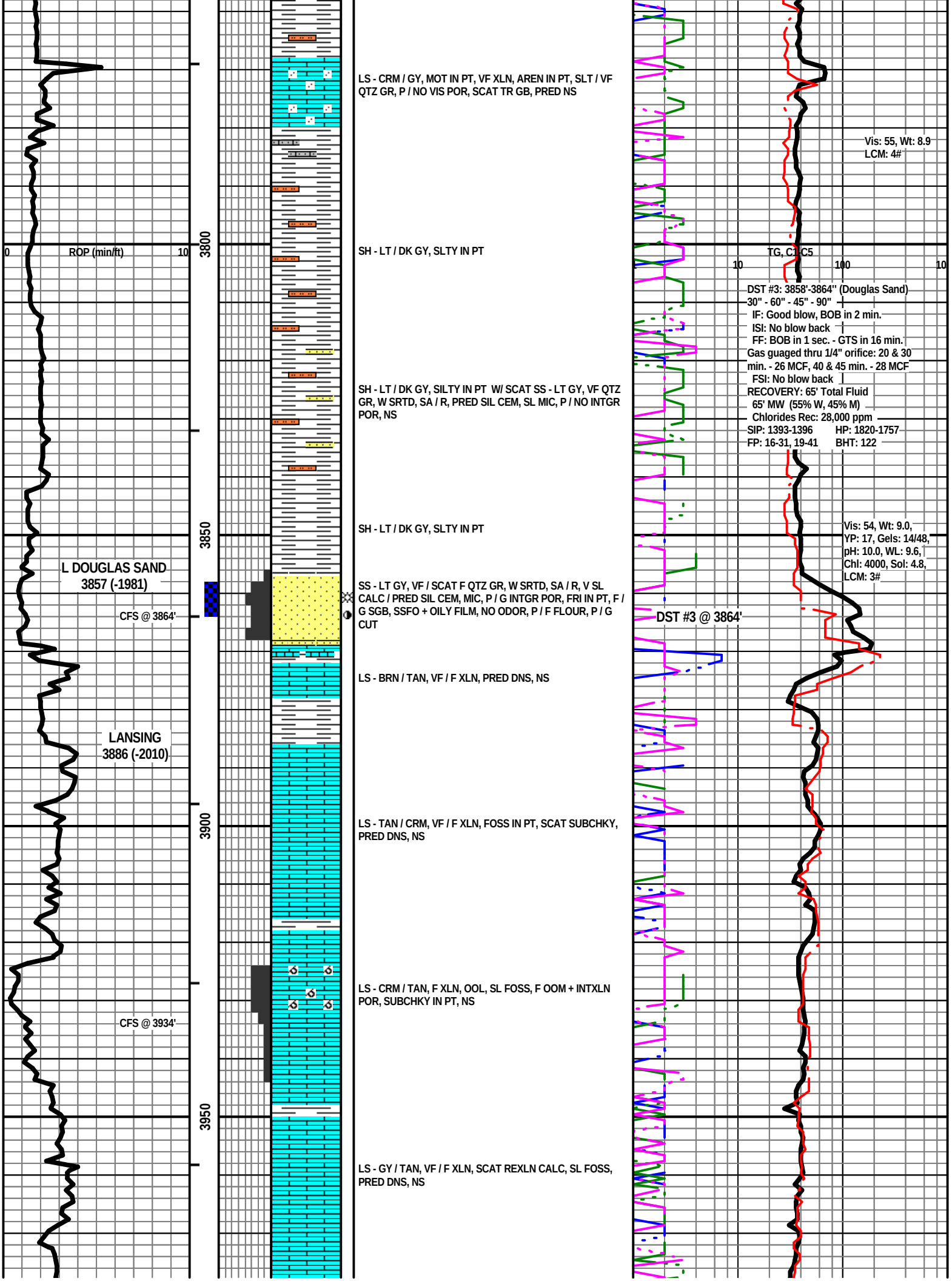

LS - LT / MED GY / TAN, VF / F XLN, FOSS IN PT, PRED DNS, ARGIL IN PT, NS W/ SH - GY / GRN
LS - CRM / TAN / SCAT GY, MOT IN PT, VF / F XLN, FOSS, OOL IN PT, SUBCHKY IN PT, PRED DNS, NS W/ SH - LT / MED GY
LS - LT / MED GY, SCAT TAN / BRN, MOT IN PT, F XLN, FOSS IN PT, PRED DNS, NS W/ SCAT SH - LT / MED GY
LS - TAN / BRN / SCAT GY, VF / F XLN, SCAT FOSS, CHKY IN PT, PRED DNS, NS W/ SH - MED GY
LS - AS ABOVE W/ SH - GY, SLTY IN PT
SS - CLSTRS, LT GY, VF QTZ GR, W SRTD, SA / R, V MIC, TR CHL, PRED SIL CEM / SL CALC, F INTGR POR, FRI IN PT, SL / F SGB, NO ODOR
SH - GY, SLTY IN PT
LS - TAN / GY / SCAT BRN, VF / F XLN, FOSS IN PT, PRED DNS, NS
LS - LT / MED GY, VF XLN, SL FOSS, CHKY IN PT, PRED DNS, NS
SLTST - GY, MIC W/ MOD AMT SS - LT GY, VF QTZ GR, MIC, F INTGR POR, NS W/ SH - PRED LT / MED GY
2700
2750
2800
2850
ONAGA SH
2777 (-901)
0
ROP (min/ft)
10
CFS @ 2814'
Vis: 32, Wt: 9.4
DST #1: 2768'-2814'' (Indian Cave)
30" - 60" - 30" - 60"
IF: Good blow, BOB in 4.5 min.
ISI: No blow back
FF: Weak blow, bldg to 8 in.
FSI: No blow back
RECOVERY: 240' GIP & 125' TF
125' WM (thin drlg mud?)
Chlorides Rec: 47,000 ppm
SIP: 333-318 HP: 1335-1330
FP: 29-54, 59-76 BHT: 102
TG, C1-C5
1
10
100
10
Vis: 32, Wt: 9.3, Ph: 7.0,
Chl: 42000, Sol: 4.7
DST #1 @ 2814'
SPOT 45 VIS MUD
PIPE STRAP @ 2814': LONG 1.82'
TEST GAS

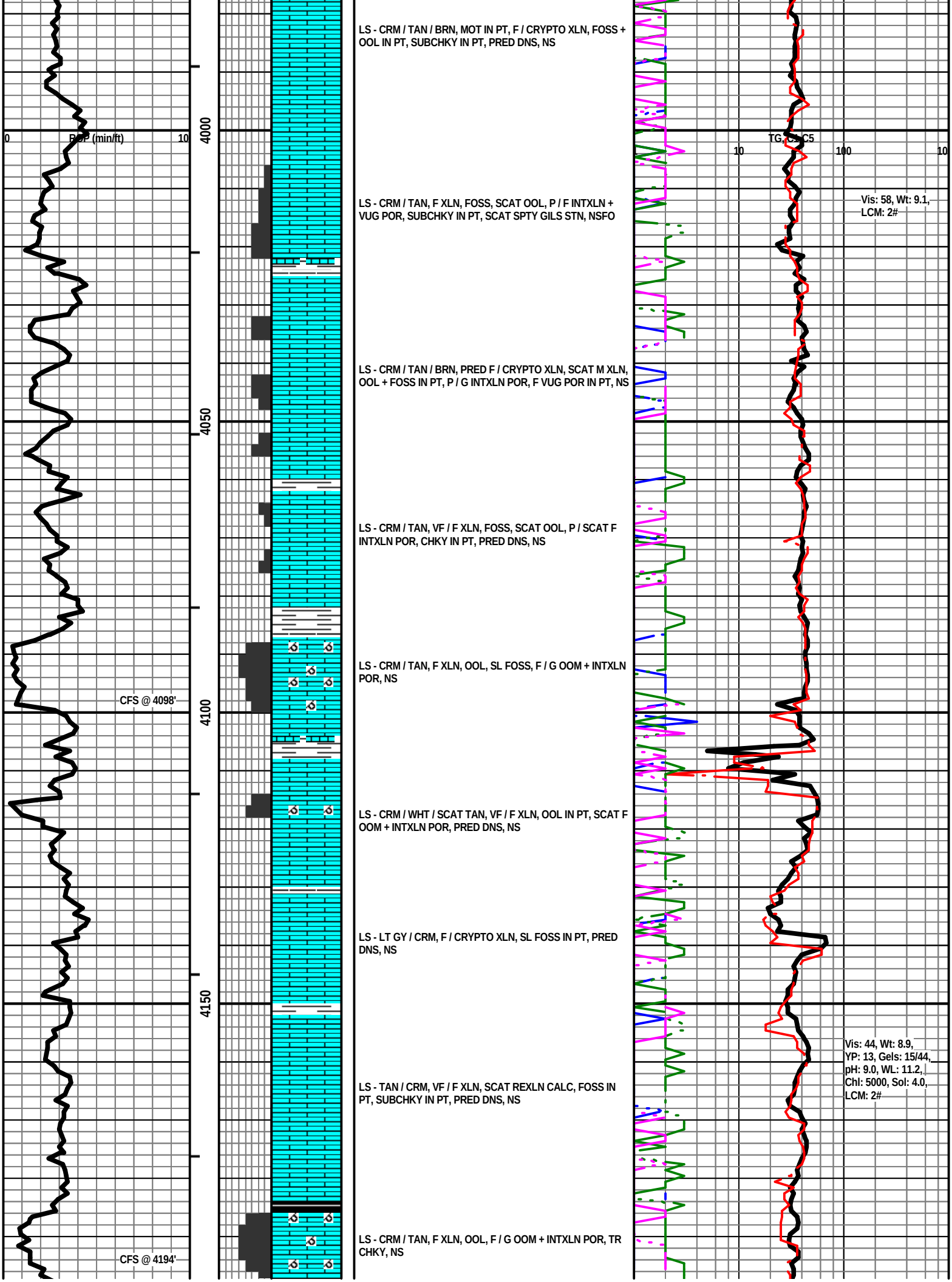

2900
2950
3000
3050
STOTLER
2966 (-1090)
CFS @ 2990'
0
ROP (min/ft)
10
LS - TAN / BRN, F XLN, FOSS IN PT, AREN IN PT, PRED DNS, NS W/ SCAT SS - TAN, VF / F QTZ GR, CALC, P / NO INTGR POR, NS
SLTST - LT / MED GY MIC, ARGIL IN PT W/ SH - LT / MED GY, SLTY IN PT, NS
Vis: 33, Wt: 9.5
SLTST - AS ABOVE W/ SH - LT / MED GY
SH - LT / MED GY W/ SLTST - AS ABOVE
LS - CRM / TAN / BRN, MOT IN PT, F XLN, FOSS, PRED DNS, NS
SS - CLSTRS, LT GY / SCAT TAN, SCAT MOT, VF / F QTZ GR, F SRTD, SA / R, SL / MOD MIC, V CALC IN PT, SCAT LS FRAG, P / TR F INTGR POR, NS
SS CLSTRS, LT GY, VF / F QTZ GR, W SRTD, SA / R, SL MIC, P / F INTGR POR, NS W/ LS - GY / CRM, VF / F XLN, FOSS, PRED DNS, NS W/ SH - LT / MED GY
10
100
C5
LS - CRM / TAN, F XLN, SCAT M REXLN CALC, FOSS IN PT, PRED DNS, NS
LS - CRM / TAN, F XLN, FOSS, SCAT P / F INTXLN POR, SUBCHKY IN PT, PRED DNS, NS
Vis: 32, Wt: 9.5
LS - TAN / CRM / SCAT GY, VF / F XLN, OOL IN PT, SL FOSS, P / NO INTXLN POR, SCAT SPTY GILS STN, NSFO, NO ODOR
LS - OFF WHT / CRM, VF / F XLN, FOSS IN PT, VP / NO INTXLN POR, TR SPTY DK BRN / BLK GILS STN, NSFO, NO ODOR

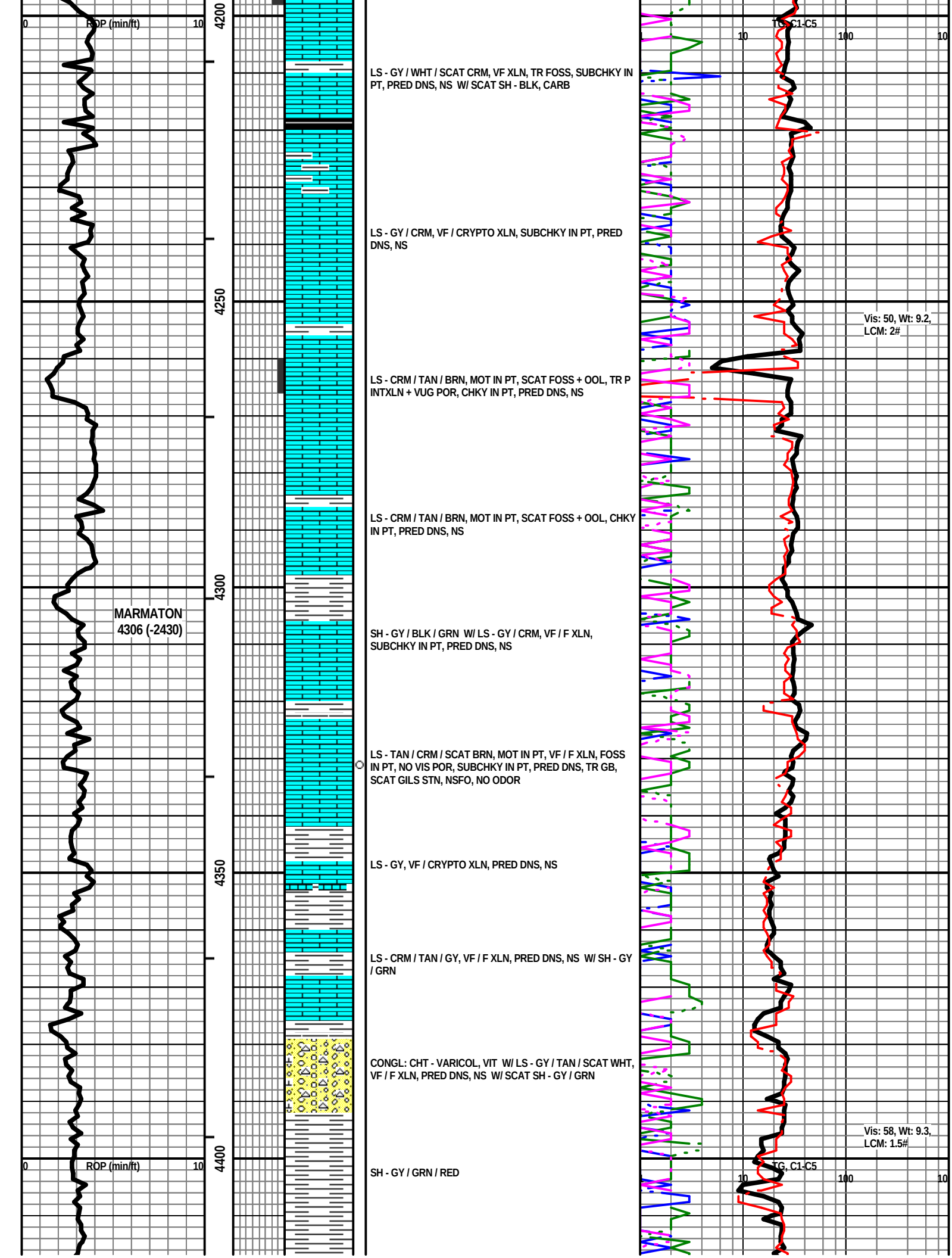

SH - LT / MED GY
LS - LS - GY / CRM / SCAT TAN, MOT IN PT, VF / F XLN, SL FOSS, P / TR F INTXLN POR IN PT, PRED DNS, TR FO, TR SPTY STN, P / NO FLOUR + CUT
LS - CRM / TAN / SCAT GY, F / M XLN, OOL IN PT, PRED P INTXLN POR, SSFO + GB, NO ODOR, TR SPTY STN, P / NO FLOUR + CUT
LS - CRM / TAN, F / M XLN, OOL, FOSS IN PT, P / F INTXLN + VUG POR, SCAT OOM POR, P / SCAT F SFO + GB, NO ODOR, SPTY BRN STN IN PT, P / G FLOUR + CUT
SH - GY / GRN
LS - TAN / BRN, VF / F XLN, FOSS IN PT, PRED DNS, NS
LS - LT GY / CRM, F XLN, OOL IN PT, SL FOSS, P / F INTXLN + VUG POR, CHKY IN PT, TR SPTY GILS STN, NSFO, NO ODOR
LS - LT GY / CRM / SCAT TAN, VF / F XLN, OOL + FOSS IN PT, P / F INTXLN POR, SCAT P VUG POR, SCAT CHKY, NS
LS - GY / CRM / TAN, VF / CRYPTO XLN, FOSS IN PT, SUBCHKY IN PT, PRED DNS, NS
LS - CRM / TAN / SCAT GY, VF / CRYPTO XLN, SCAT F / M REXLN CALC, FOSS IN PT, SUBCHKY IN PT, PRED DNS, NS W/ SCAT SH - GY / GRN
SH - LT / DK GY, SLTY IN PT
HOWARD
3194 (-1318)
3100
3150
3200
3250
3300
0
ROP (min/ft)
10
CFS @ 3202'
CFS @ 3250'
TG, C1-C5
DST #2 @ 3202'
SPOT 45 VIS MUD
1
10
DST #2: 3150'-3202" (Bern Ls)
30" - 60" - 30" - 60"
IF: Good blow, BOB in 35 sec.
ISI: No blow back
FF: Good blow, BOB in 50 sec.
FSI: No blow back
RECOVERY: 2,520' Total Fluid
310' MW (85% W, 15% M)
2210' GCW (4% G, 96% W)
Chlorides Rec: 105,000 ppm
SIP: 1181-1183 HP: 1510-1474
FP: 576-1093, 1126-1181 BHT: 114
Vis: 33, Wt: 9.3,
Ph: 7.0, Sol: 5.7,
Chl: 25000,
LCM: 2#
Vis: 33, Wt: 9.2,
LCM: 1#

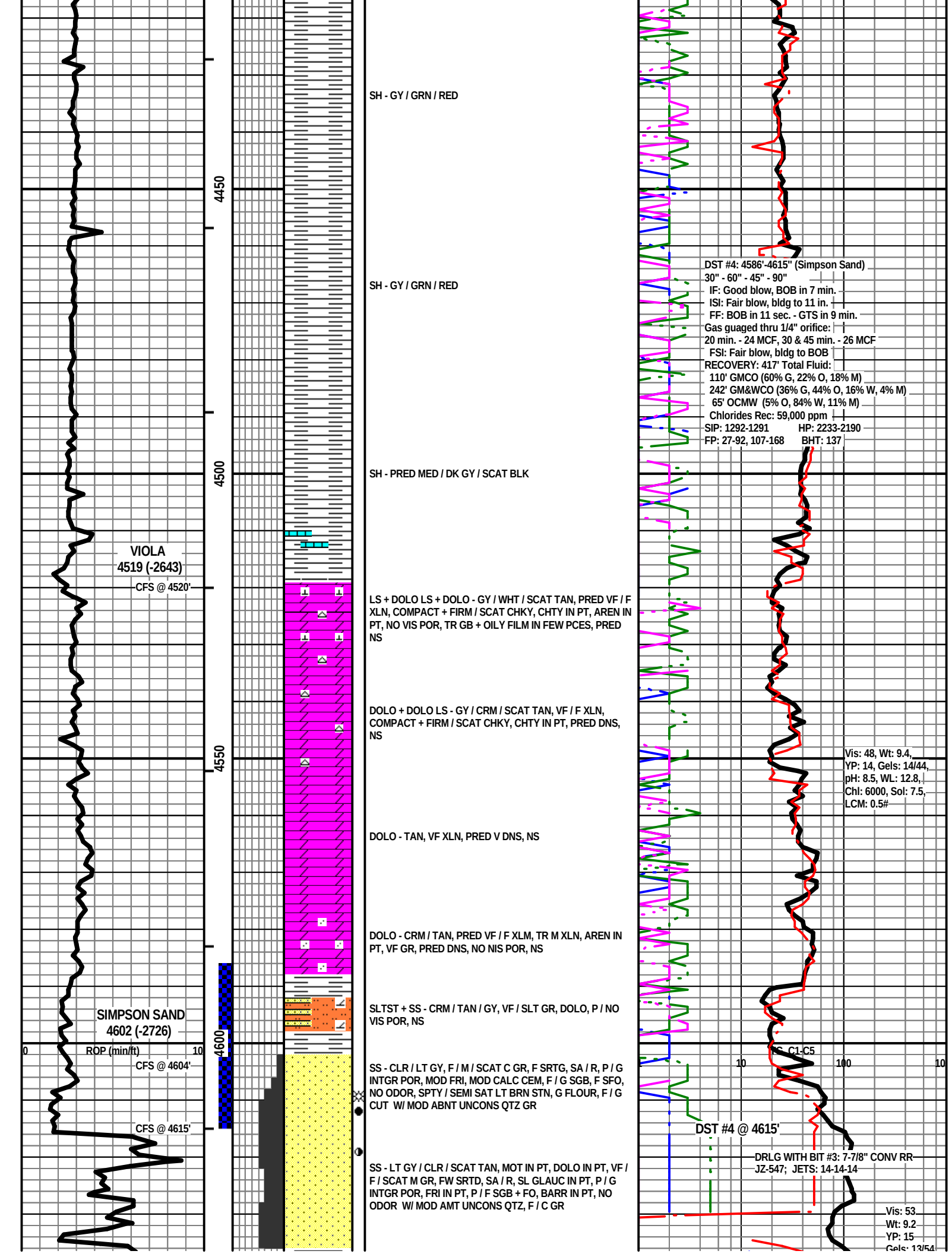

TOPEKA
3341 (-1465)
KANWAKA SH
3510 (-1634)
3350
3400
3450
3500
0
ROP (min/ft)
10
SH - LT / DK GY
LS - TAN / BRN, MOT IN PT, VF / CRYPTO XLN, SL FOSS, PRED DNS, NS
LS - CRM / TAN / BRN, MOT IN PT, F / CRYPTO XLN, SCAT REXLN CALC, TR P INTXLN POR, CHKY IN PT, PRED DNS, NS
LS - CRM / TAN, VF / F XLN, SL FOSS, P / TR F INTXLN POR, SCAT P PPT POR, SUBCHKY IN PT, NS
LS - CRM / LT GY, VF / F XLN, SL FOSS, CHKY IN PT, PRED DNS, NS
LS - CRM / TAN, VF / F XLN, FOSS IN PT, PRED DNS, NS W/ ABNT SH - DK GY / BLK / SCAT GRN
SH - GY / BLK, SCAT CARB
LS - GY, VF XLN, SL FOSS, PRED DNS, NS W/ SH - BLK, CARB W/ LS - TAN, VF / F XLN, CHKY IN PT, PRED DNS, NS
SH - LT / DK GY, SLTY IN PT W/ SCAT SLTST - LT / MED GY W/ SCAT SS - LT GY, VF QTZ GR, SLTY IN PT, SCAT SH PRTGS, MIC, P / NO INTGR POR, NS
SH - LT / DK GY, SLTY IN PT W/ SCAT SLTST + SS - AS
TG, C1-C5
10
100
Vis: 34, Wt: 9.4,
Ph: 7.0, Sol: 4.3,
Chl: 60000,
LCM: 3#
DISPLACE MUD SYSTEM @ 3520'

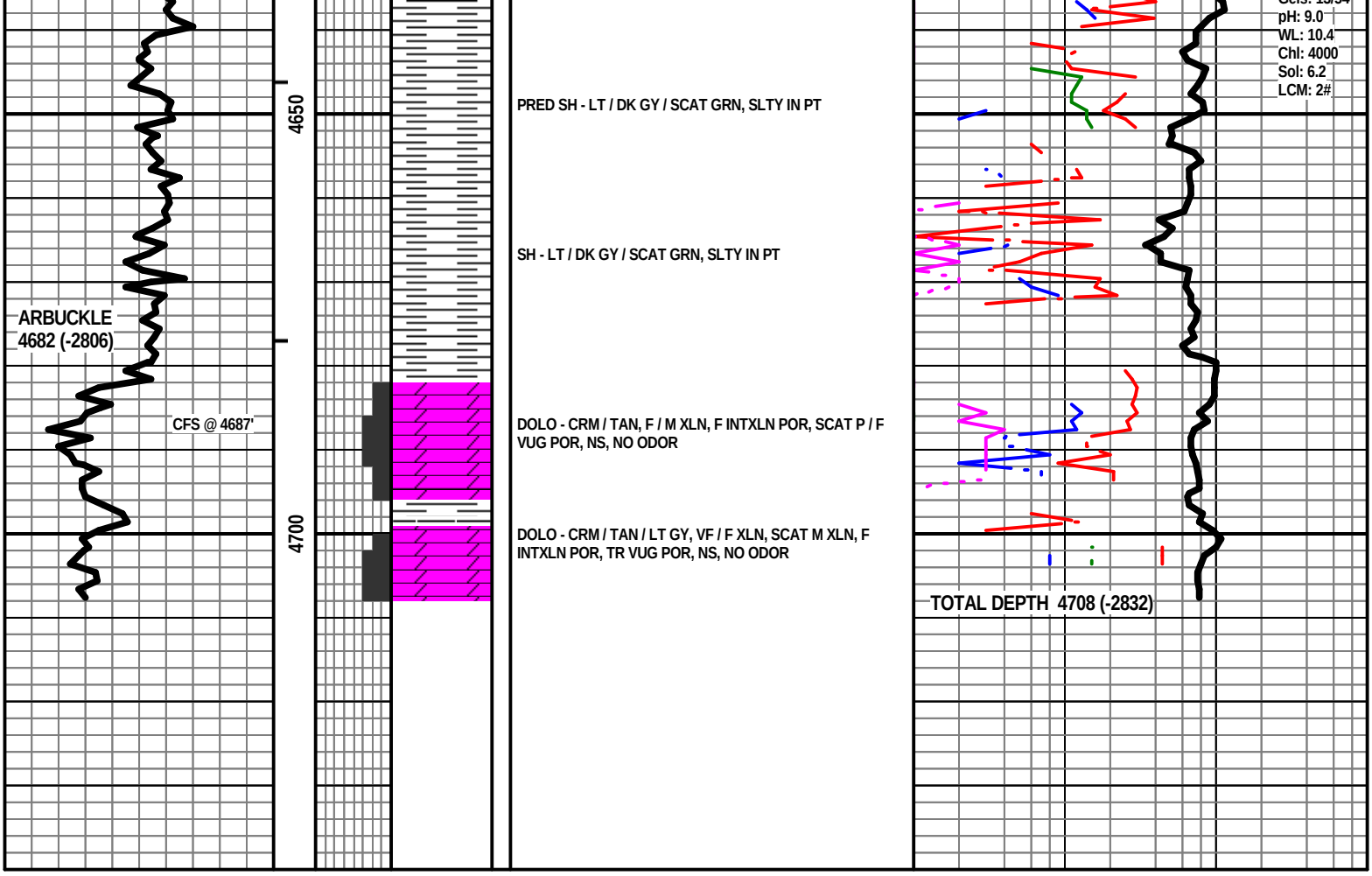

ABOVE, NS
SLTST - LT / MED GY, MIC W/ SCAT SS - LT GY, VF QTZ GR, SLTY IN PT, P / NO INTGR POR, NS
SS - LT GY, VF QTZ GR, W SRTD, SA / SR, MIC, SL GLAUC, SL / MOD CALC CEM, P / SCAT F INTGR POR, MOD FRI IN PT, NS
SH - LT / DK GY W/ SLTST - LT / MED GY
LS - TAN / GY, MOT, VF XLN, AREN IN PT, SL FOSS, PRED DNS, NS
LS - TAN / BRN / SCAT GY, MOT IN PT, F / M XLN, PRED DNS, NS
LS - CRM / TAN / BRN, MOT IN PT, F / M XLN, TR FOSS, PRED DNS, NS W/ SH - LT / MED GY
LS - CRM / TAN / BRN, MOT IN PT, VF / F XLN, FOSS IN PT, SCAT P INTXLN POR, CHKY IN PT, PRED DNS, NS
SH - BLK, CARB W/ LS - TAN / GY, VF / F XLN, SL FOSS, PRED DNS, NS
SH - MED / DK GY
LS - CRM, F XLN, SCAT M REXLN CALC, TR FOSS, PRED DNS, NS
SH - LT / DK GY / SCAT GRN, SLTY IN PT
CFS @ 3581'
HEEBNER
3701 (-1825)
0
ROP (min/ft)
10
3550
3600
3650
3700
3750
Vis: 47, Wt: 8.9
LCM: 1#
TG, C1-C5
1
10
100
10
Vis: 53, Wt: 8.9
LCM: 1#


0
ROP (min/ft)
10
3800
3850
3900
3950
LS - CRM / GY, MOT IN PT, VF XLN, AREN IN PT, SLT / VF QTZ GR, P / NO VIS POR, SCAT TR GB, PRED NS
SH - LT / DK GY, SLTY IN PT
SH - LT / DK GY, SILTY IN PT W/ SCAT SS - LT GY, VF QTZ GR, W SRTD, SA / R, PRED SIL CEM, SL MIC, P / NO INTGR POR, NS
SH - LT / DK GY, SLTY IN PT
L DOUGLAS SAND
3857 (-1981)
SS - LT GY, VF / SCAT F QTZ GR, W SRTD, SA / R, V SL CALC / PRED SIL CEM, MIC, P / G INTGR POR, FRI IN PT, F / G SGB, SSFO + OILY FILM, NO ODOR, P / F FLOUR, P / G CUT
CFS @ 3864'
LS - BRN / TAN, VF / F XLN, PRED DNS, NS
LANSING
3886 (-2010)
LS - TAN / CRM, VF / F XLN, FOSS IN PT, SCAT SUBCHKY, PRED DNS, NS
LS - CRM / TAN, F XLN, OOL, SL FOSS, F OOM + INTXLN POR, SUBCHKY IN PT, NS
CFS @ 3934'
LS - GY / TAN, VF / F XLN, SCAT REXLN CALC, SL FOSS, PRED DNS, NS
DST #3 @ 3864'
Vis: 55, Wt: 8.9
LCM: 4#
TG, C1-C5
10
100
10
DST #3: 3858'-3864" (Douglas Sand)
30" - 60" - 45" - 90"
IF: Good blow, BOB in 2 min.
ISI: No blow back
FF: BOB in 1 sec. - GTS in 16 min.
Gas guaged thru 1/4" orifice: 20 & 30 min. - 26 MCF, 40 & 45 min. - 28 MCF
FSI: No blow back
RECOVERY: 65' Total Fluid
65' MW (55% W, 45% M)
Chlorides Rec: 28,000 ppm
SIP: 1393-1396 HP: 1820-1757
FP: 16-31, 19-41 BHT: 122
Vis: 54, Wt: 9.0,
YP: 17, Gels: 14/48,
pH: 10.0, WL: 9.6,
Chl: 4000, Sol: 4.8,
LCM: 3#


0
ROP (min/ft)
10
4000
4050
4100
4150
CFS @ 4098'
CFS @ 4194'
LS - CRM / TAN / BRN, MOT IN PT, F / CRYPTO XLN, FOSS + OOL IN PT, SUBCHKY IN PT, PRED DNS, NS
LS - CRM / TAN, F XLN, FOSS, SCAT OOL, P / F INTXLN + VUG POR, SUBCHKY IN PT, SCAT SPTY GILS STN, NSFO
LS - CRM / TAN / BRN, PRED F / CRYPTO XLN, SCAT M XLN, OOL + FOSS IN PT, P / G INTXLN POR, F VUG POR IN PT, NS
LS - CRM / TAN, VF / F XLN, FOSS, SCAT OOL, P / SCAT F INTXLN POR, CHKY IN PT, PRED DNS, NS
LS - CRM / TAN, F XLN, OOL, SL FOSS, F / G OOM + INTXLN POR, NS
LS - CRM / WHT / SCAT TAN, VF / F XLN, OOL IN PT, SCAT F OOM + INTXLN POR, PRED DNS, NS
LS - LT GY / CRM, F / CRYPTO XLN, SL FOSS IN PT, PRED DNS, NS
LS - TAN / CRM, VF / F XLN, SCAT REXLN CALC, FOSS IN PT, SUBCHKY IN PT, PRED DNS, NS
LS - CRM / TAN, F XLN, OOL, F / G OOM + INTXLN POR, TR CHKY, NS
TG, C1-C5
10
100
10
Vis: 58, Wt: 9.1, LCM: 2#
Vis: 44, Wt: 8.9, YP: 13, Gels: 15/44, pH: 9.0, WL: 11.2, Chl: 5000, Sol: 4.0, LCM: 2#


0
ROP (min/ft)
10
4200
4250
4300
4350
4400
MARMATON
4306 (-2430)
LS - GY / WHT / SCAT CRM, VF XLN, TR FOSS, SUBCHKY IN PT, PRED DNS, NS W/ SCAT SH - BLK, CARB
LS - GY / CRM, VF / CRYPTO XLN, SUBCHKY IN PT, PRED DNS, NS
LS - CRM / TAN / BRN, MOT IN PT, SCAT FOSS + OOL, TR P INTXLN + VUG POR, CHKY IN PT, PRED DNS, NS
LS - CRM / TAN / BRN, MOT IN PT, SCAT FOSS + OOL, CHKY IN PT, PRED DNS, NS
SH - GY / BLK / GRN W/ LS - GY / CRM, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS
LS - TAN / CRM / SCAT BRN, MOT IN PT, VF / F XLN, FOSS IN PT, NO VIS POR, SUBCHKY IN PT, PRED DNS, TR GB, SCAT GILS STN, NSFO, NO ODOR
LS - GY, VF / CRYPTO XLN, PRED DNS, NS
LS - CRM / TAN / GY, VF / F XLN, PRED DNS, NS W/ SH - GY / GRN
CONGL: CHT - VARICOL, VIT W/ LS - GY / TAN / SCAT WHT, VF / F XLN, PRED DNS, NS W/ SCAT SH - GY / GRN
SH - GY / GRN / RED
TG, C1-C5
10
100
10
Vis: 50, Wt: 9.2, LCM: 2#
Vis: 58, Wt: 9.3, LCM: 1.5#
0
ROP (min/ft)
10
TG, C1-C5
10
100
10


4450
4500
4550
4600
VIOLA
4519 (-2643)
CFS @ 4520'
SIMPSON SAND
4602 (-2726)
0
ROP (min/ft)
10
CFS @ 4604'
CFS @ 4615'
SH - GY / GRN / RED
SH - GY / GRN / RED
SH - PRED MED / DK GY / SCAT BLK
LS + DOLO LS + DOLO - GY / WHT / SCAT TAN, PRED VF / F XLN, COMPACT + FIRM / SCAT CHKY, CHTY IN PT, AREN IN PT, NO VIS POR, TR GB + OILY FILM IN FEW PCES, PRED NS
DOLO + DOLO LS - GY / CRM / SCAT TAN, VF / F XLN, COMPACT + FIRM / SCAT CHKY, CHTY IN PT, PRED DNS, NS
DOLO - TAN, VF XLN, PRED V DNS, NS
DOLO - CRM / TAN, PRED VF / F XLM, TR M XLN, AREN IN PT, VF GR, PRED DNS, NO NIS POR, NS
SLTST + SS - CRM / TAN / GY, VF / SLT GR, DOLO, P / NO VIS POR, NS
SS - CLR / LT GY, F / M / SCAT C GR, F SRTG, SA / R, P / G INTGR POR, MOD FRI, MOD CALC CEM, F / G SGB, F SFO, NO ODOR, SPTY / SEMI SAT LT BRN STN, G FLOUR, F / G CUT W/ MOD ABNT UNCONS QTZ GR
SS - LT GY / CLR / SCAT TAN, MOT IN PT, DOLO IN PT, VF / F / SCAT M GR, FW SRTD, SA / R, SL GLAUC IN PT, P / G INTGR POR, FRI IN PT, P / F SGB + FO, BARR IN PT, NO ODOR W/ MOD AMT UNCONS QTZ, F / C GR
DST #4: 4586'-4615" (Simpson Sand)
30" - 60" - 45" - 90"
IF: Good blow, BOB in 7 min.
ISI: Fair blow, bldg to 11 in.
FF: BOB in 11 sec. - GTS in 9 min.
Gas guaged thru 1/4" orifice:
20 min. - 24 MCF, 30 & 45 min. - 26 MCF
FSI: Fair blow, bldg to BOB
RECOVERY: 417' Total Fluid:
110' GMCO (60% G, 22% O, 18% M)
242' GM&WCO (36% G, 44% O, 16% W, 4% M)
65' OCMW (5% O, 84% W, 11% M)
Chlorides Rec: 59,000 ppm
SIP: 1292-1291 HP: 2233-2190
FP: 27-92, 107-168 BHT: 137
Vis: 48, Wt: 9.4,
YP: 14, Gels: 14/44,
pH: 8.5, WL: 12.8,
Chl: 6000, Sol: 7.5,
LCM: 0.5#
10
100
10
C1-C5
DST #4 @ 4615'
DRLG WITH BIT #3: 7-7/8" CONV RR
JZ-547; JETS: 14-14-14
Vis: 53
Wt: 9.2
YP: 15
Gels: 13/54


pH: 9.0
WL: 10.4
Chl: 4000
Sol: 6.2
LCM: 2#
4650
4700
PRED SH - LT / DK GY / SCAT GRN, SLTY IN PT
SH - LT / DK GY / SCAT GRN, SLTY IN PT
DOLO - CRM / TAN, F / M XLN, F INTXLN POR, SCAT P / F VUG POR, NS, NO ODOR
DOLO - CRM / TAN / LT GY, VF / F XLN, SCAT M XLN, F INTXLN POR, TR VUG POR, NS, NO ODOR
ARBUCKLE
4682 (-2806)
CFS @ 4687'
TOTAL DEPTH 4708 (-2832)

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

September 08, 2011

Mindy Wooten
American Energies Corporation
155 N MARKET STE 710
WICHITA, KS 67202-1821

Re: ACO1
API 15-151-22377-00-00
Murphy 1-25
SE/4 Sec.25-29S-12W
Pratt County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Mindy Wooten