Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1226344

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33922
Name: Mustang Energy Corporation
Address 1: PO BOX 1121
Address 2:
City: HAYS State: KS Zip: 67601 + ____
Contact Person: Rod Brin
Phone: (785) 623-0533
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Herb Deines
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

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

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

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

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

03/18/2014	03/24/2014	03/25/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-063-22186-00-00
Spot Description:
SW SW NE NE Sec. 25 Twp. 14 S. R. 29 ☐ East ☑ West
1000 Feet from ☑ North / ☐ South Line of Section
1250 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: Gove
Lease Name: Evans Unit Well #: 1
Field Name:
Producing Formation: none
Elevation: Ground: 2612 Kelly Bushing: 2620
Total Vertical Depth: 4385 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 222 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: 34000 ppm Fluid volume: 400 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 10/07/2014

1226344

Operator Name: Mustang Energy Corporation Lease Name: Evans Unit Well #: 1

Sec. 25 Twp. 14 S. R. 29 ☐ East ☑ West County: Gove

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Micro
Neutron Density
Dual Induction

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

Name: Attached Top: Attached Datum: 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 Pipe	.2500	.6250	23	222	Common	160	2%gel3%cc

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	-			

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

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

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

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

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

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

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

DISPOSITION OF GAS: ☐ 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	Mustang Energy Corporation
Well Name	Evans Unit 1
Doc ID	1226344

Tops

Name	Top	Datum
Anhydrite	2043	+577
Base	2078	+542
Heebner	3696	-1076
LKC	3739	-1119
BKC	4050	-1430
Pawnee	4164	-1544
FT Scott	4238	-1618
Johnson	4311	-1691
Mississippian	4355	-1735

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 484

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-18-14	25	14	29	Gove	KS	4:00 pm	5:30 pm

Location Gove 10 S 1/4 E Sinto

Lease Evans unit Well No. 1

Contractor Discovery 1

Type Job Surface

Hole Size 12 1/4 T.D. 222

Csg. 8 5/8 Depth 222

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 20 ft Shoe Joint 20 ft

Meas Line Displace 13 BBL

EQUIPMENT

Pumptrk 17 No. Cementer Helper Matt

Bulktrk 1 No. Driver Driver Nick

Bulktrk pu No. Driver Driver Doug

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Cement did circulate

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Mustang Energy

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered ~~150~~ 150 Com 3% cc 2% gel

Common	150
Poz. Mix	
Gel.	3
Calcium	5
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	158
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface
Mileage	41
Tax	
Discount	
Total Charge	

X Signature Cliff Mossfield

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 7094

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-25-14	25	14	29	Gove	KS		7:30 PM

Location Gove 10s 1/4 E 1/8 S Winto

Lease Evans Unit	Well No. #1	Owner	
Contractor Discovery #1		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Type Job Plug		Charge To Mustang Energy	
Hole Size 7 7/8	T.D. 4385'	Street	
Csg. Drill Pipe	Depth	City	State
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Tool	Depth	Cement Amount Ordered 220 60/40 4% Gel 1/4 Flo	
Cement Left in Csg.	Shoe Joint		
Meas Line	Displace		

EQUIPMENT

Pumptrk 16	No.	Cementer Helper	Billy
Bulktrk 13	No.	Driver Driver	David
Bulktrk PU	No.	Driver Driver	Brett

JOB SERVICES & REMARKS

Remarks:

Rat Hole - 30sx

Mouse Hole - 15sx

Centralizers

Baskets

D/V or Port Collar

1st Plug @ 2060' w/ 25sx
2nd Plug @ 1070' w/ 100sx
3rd Plug @ 275' w/ 40sx
4th Plug @ 40' w/ 10sx

Common	132
Poz. Mix	88
Gel.	8
Calcium	
Hulls	
Salt	
Flowseal	50#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	228
Mileage	85/8

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	Wood Plug - 1
Pumptrk Charge	plug
Mileage	41
Tax	
Discount	
Total Charge	

X Signature Cliff Mayfield

DRILL STEM TEST REPORT

Mustang Energy Corporation

PO Box 1121
Hays, KS 67601

ATTN: Herb Deines

25- 14s- 29w Gove Co.

Evans Unit #1

Job Ticket: 56372 **DST#: 3**

Test Start: 2014.03.25 @ 04:17:00

GENERAL INFORMATION:

Formation: **" K & L "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:39:15
Time Test Ended: 13:05:15

Test Type: Conventional Straddle (Reset)
Tester: Samuel Esparza
Unit No: 71

Interval: 3970.00 ft (KB) To 4088.00 ft (KB) (TVD)
Total Depth: 4385.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

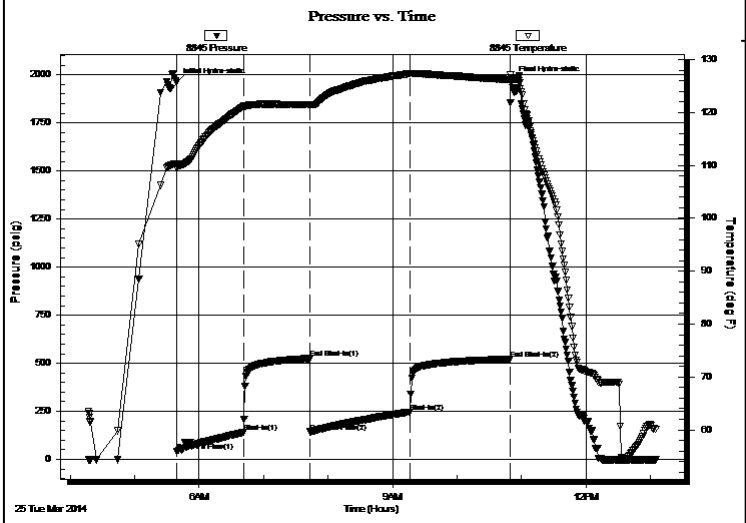
Reference Elevations: 2620.00 ft (KB)
2613.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8845 **Inside**

Press@RunDepth: 246.73 psig @ 3971.00 ft (KB)
Start Date: 2014.03.25 End Date: 2014.03.25
Start Time: 04:17:05 End Time: 13:05:15

Capacity: 8000.00 psig
Last Calib.: 2014.03.25
Time On Btm: 2014.03.25 @ 05:39:00
Time Off Btm: 2014.03.25 @ 10:50:45

TEST COMMENT: IF: BOB @ 18 min.
ISI: No Return.
FF: BOB @ 30 min.
FSI: Weak Surface Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1961.99	110.33	Initial Hydro-static
1	41.25	109.47	Open To Flow (1)
63	141.32	121.19	Shut-In(1)
124	525.01	121.50	End Shut-In(1)
125	143.06	121.32	Open To Flow (2)
218	246.73	127.35	Shut-In(2)
311	521.38	126.23	End Shut-In(2)
312	1969.38	126.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCW 5m 10g 85w	1.41
240.00	GOWCM 10g 10o 35w 45m	3.37
75.00	GOWCM 5g 15o 20w 60m	1.05

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Mustang Energy Corporation

PO Box 1121
Hays, KS 67601

ATTN: Herb Deines

25- 14s- 29w Gove Co.

Evans Unit #1

Job Ticket: 56372 **DST#: 3**

Test Start: 2014.03.25 @ 04:17:00

GENERAL INFORMATION:

Formation: **" K & L "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:39:15
Time Test Ended: 13:05:15

Test Type: Conventional Straddle (Reset)
Tester: Samuel Esparza
Unit No: 71

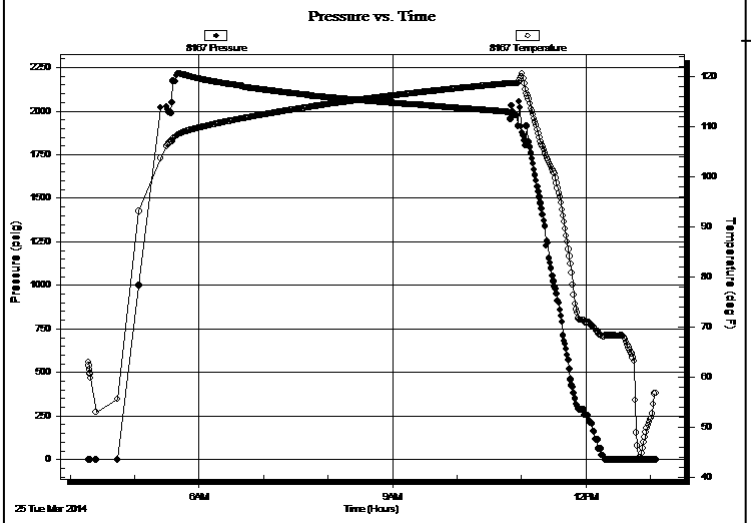
Interval: 3970.00 ft (KB) To 4088.00 ft (KB) (TVD)
Total Depth: 4385.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2620.00 ft (KB)
2613.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8167 **Below (Straddle)**
Press@RunDepth: psig @ 4097.00 ft (KB)
Start Date: 2014.03.25 End Date: 2014.03.25
Start Time: 04:17:05 End Time: 13:05:15

Capacity: 8000.00 psig
Last Calib.: 2014.03.25
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: BOB @ 18 min.
ISI: No Return.
FF: BOB @ 30 min.
FSI: Weak Surface Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCW 5m 10g 85w	1.41
240.00	GOWCM 10g 10o 35w 45m	3.37
75.00	GOWCM 5g 15o 20w 60m	1.05

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corporation

PO Box 1121
Hays, KS 67601

ATTN: Herb Deines

25- 14s- 29w Gove Co.

Evans Unit #1

Job Ticket: 56372 **DST#: 3**

Test Start: 2014.03.25 @ 04:17:00

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:	65000 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.39 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1750.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GMCW 5m 10g 85w	1.410
240.00	GOWCM 10g 10o 35w 45m	3.367
75.00	GOWCM 5g 15o 20w 60m	1.052

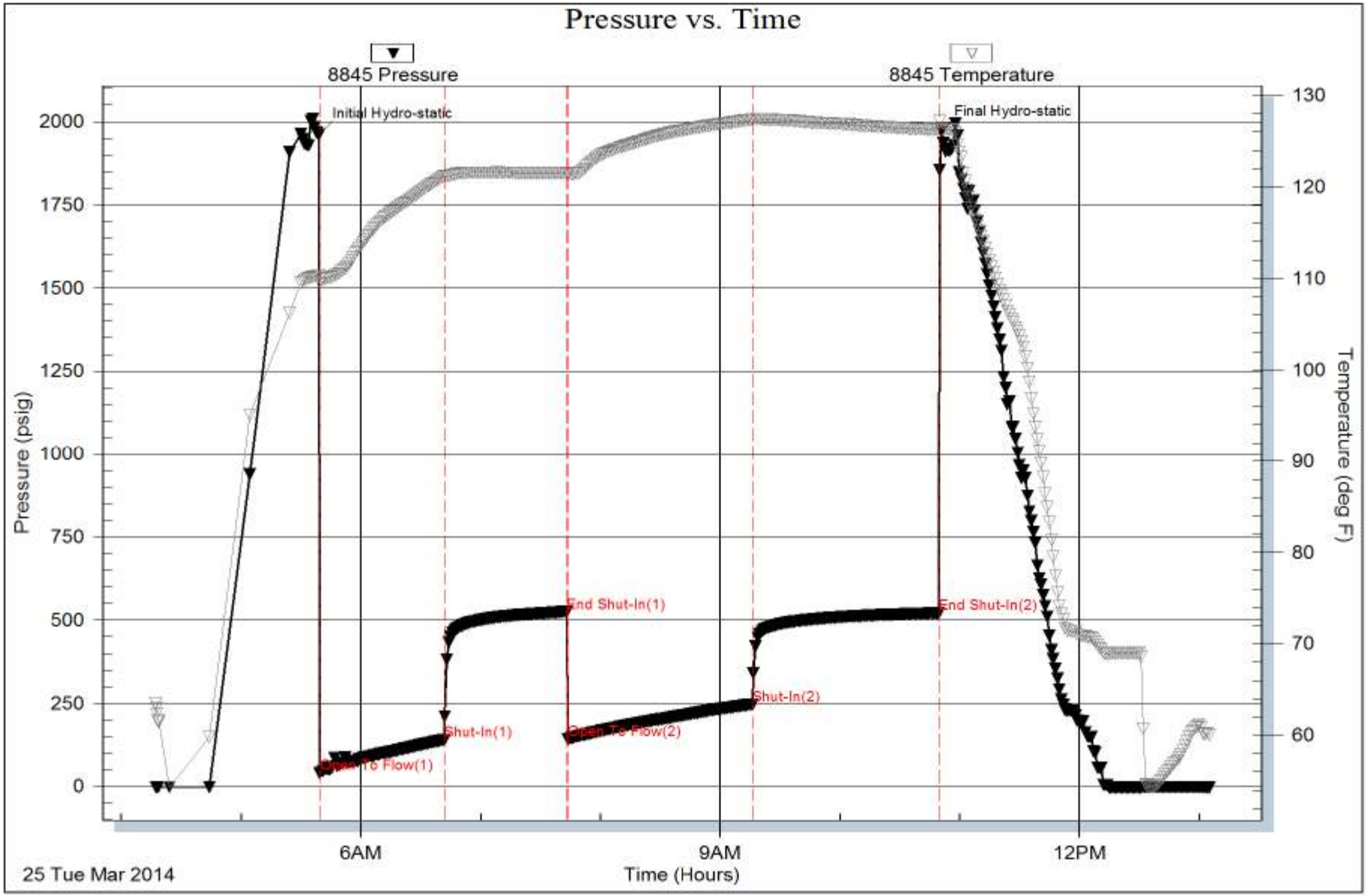
Total Length: 435.00 ft Total Volume: 5.829 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

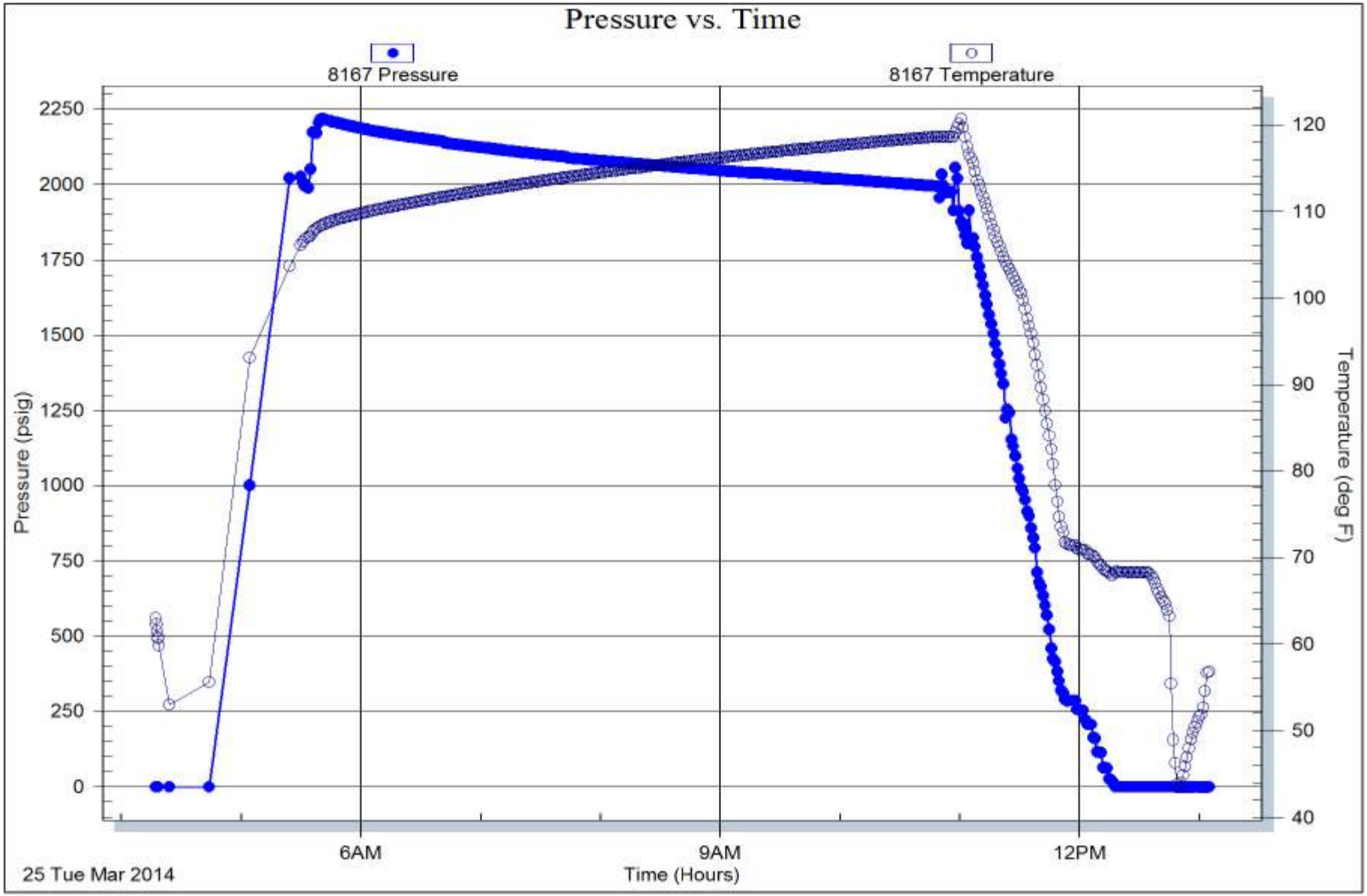
Recovery Comments: Water Salinity: .150 @ 52 degrees= 65,000 ppm

Serial #: 8845 **Inside** Mustang Energy Corporation Evans Unit #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 56372 Printed: 2014.03.25 @ 13:28:20

Serial #: 8167 Below (Straddle) Energy Corporation Evans Unit #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 56372 Printed: 2014.03.25 @ 13:28:20

NABORS
COMPLETION & PRODUCTION SERVICES CO.

COMPENSATED DENSITY/ NEUTRON LOG

Company MUSTANG ENERGY CORPORATION
Well EVANS UNIT #1
Field JIM NORTH
County GOVE State KANSAS

Location: API # : 15-063-22186-00-00
1000' FNL & 1250' FEL
SW - SW - NE - NE
SEC 25 TWP 14S RGE 29W

Other Services
DIL/MEL

Permanent Datum GROUND LEVEL Elevation 2612
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2620
D.F. 2618
G.L. 2612

Date	3-24-14		
Run Number	ONE		
Depth Driller	4385		
Depth Logger	4387		
Bottom Logged Interval	4363		
Top Log Interval	3600		
Casing Driller	8 5/8 @ 222'		
Casing Logger	222'		
Bit Size	7.875		
Type Fluid in Hole	STARCH MUD	CHLORIDES 1,750	
Density / Viscosity	9.4 / 50		
pH / Fluid Loss	9.5 / 9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.70 @ 64F		
Rmf @ Meas. Temp	0.53 @ 64F		
Rmc @ Meas. Temp	0.84 @ 64F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.40 @ 119F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	119F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	HERB DEINES		

Company MUSTANG ENERGY CORPORATION
Well EVANS UNIT #1
Field JIM NORTH
County GOVE
State KANSAS

<<< Fold Here >>>

Comments

NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: GOVE, KS. - SOUTH 10 MILES - 3/4 EAST - SOUTH INTO

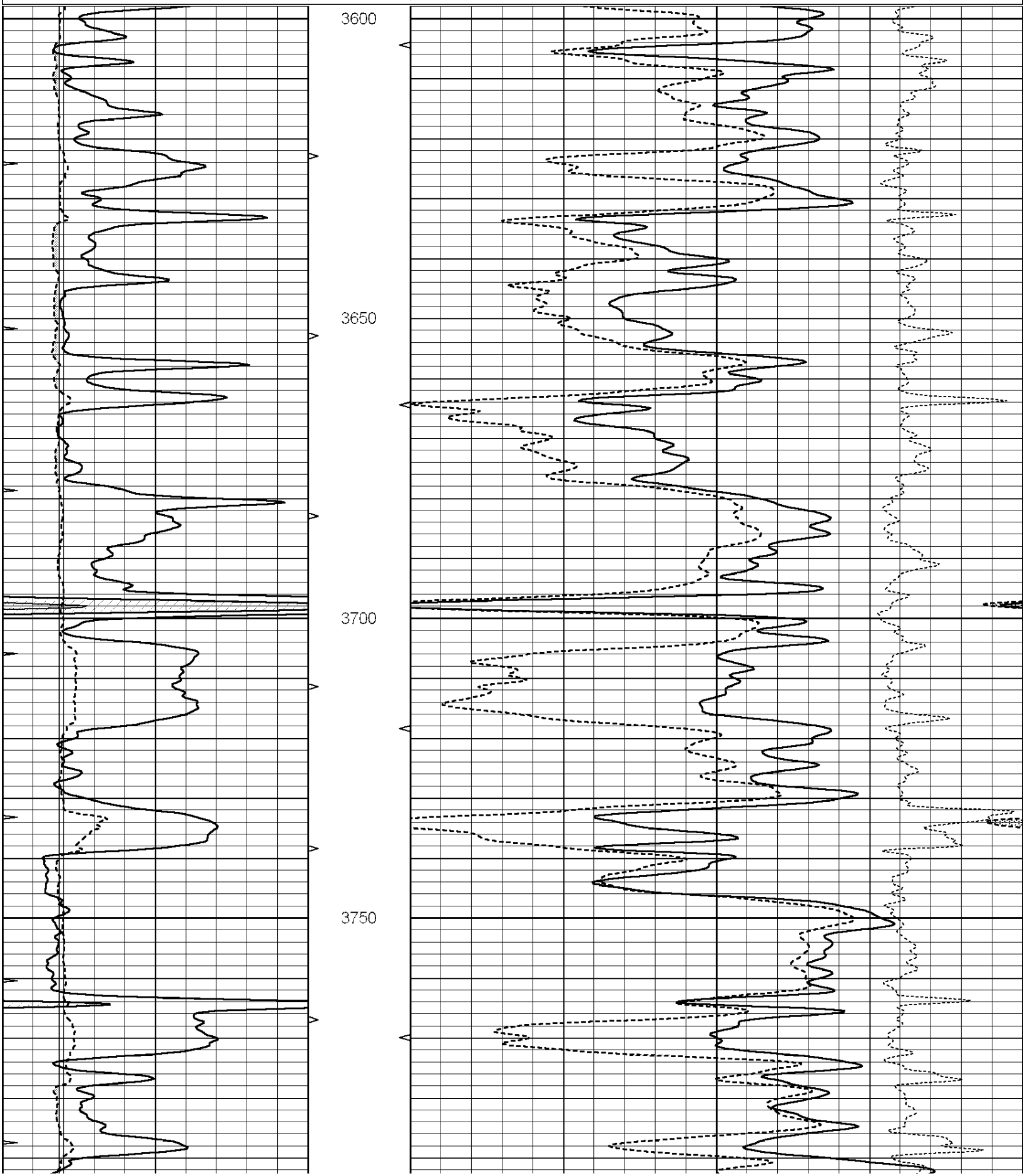
Database File: 23924ddn.db
Dataset Pathname: pass4.2
Presentation Format: _den_neu
Dataset Creation: Mon Mar 24 10:53:42 2014 by Calc Open-Cased 090629

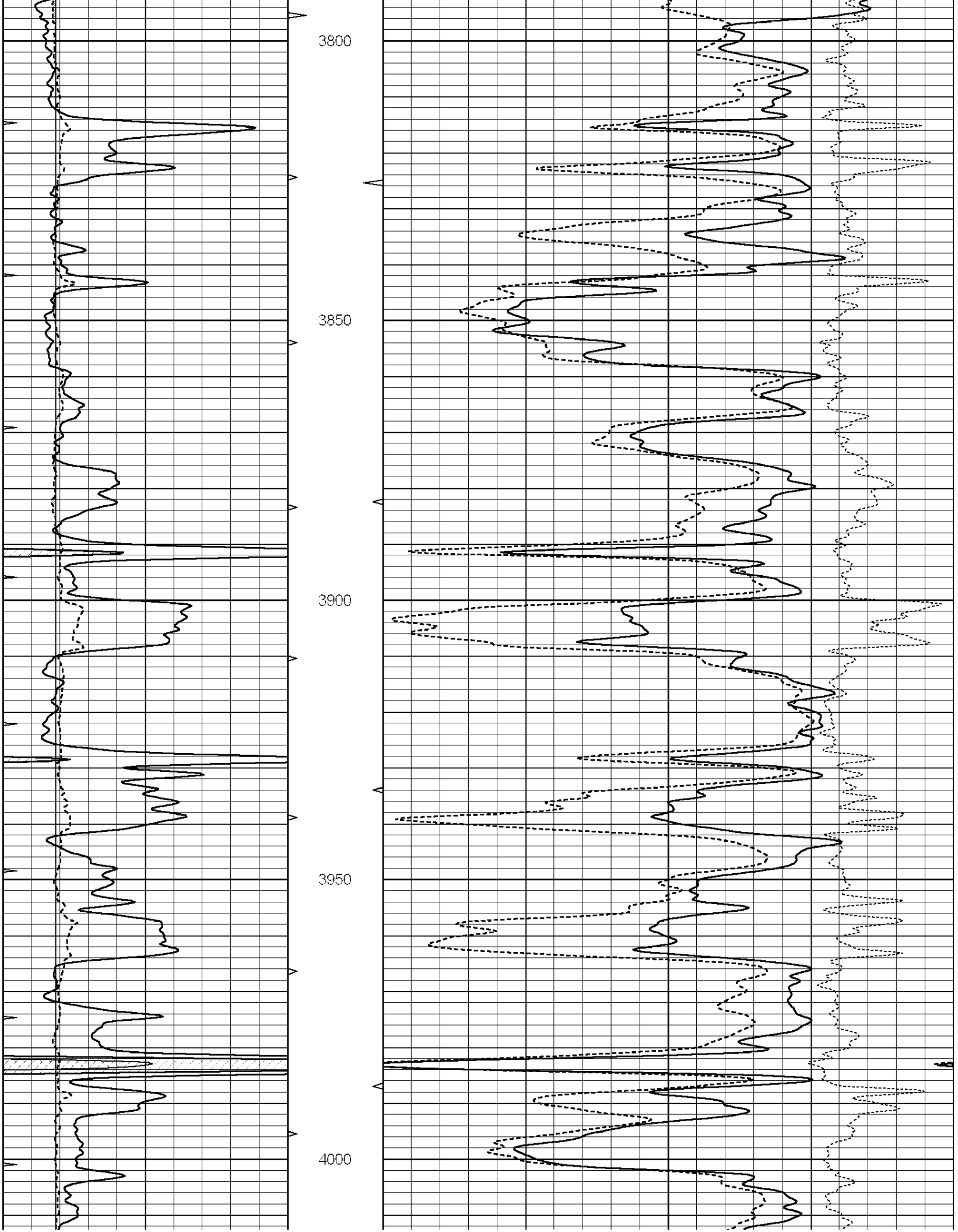
Charted by: Depth in Feet scaled 1:240

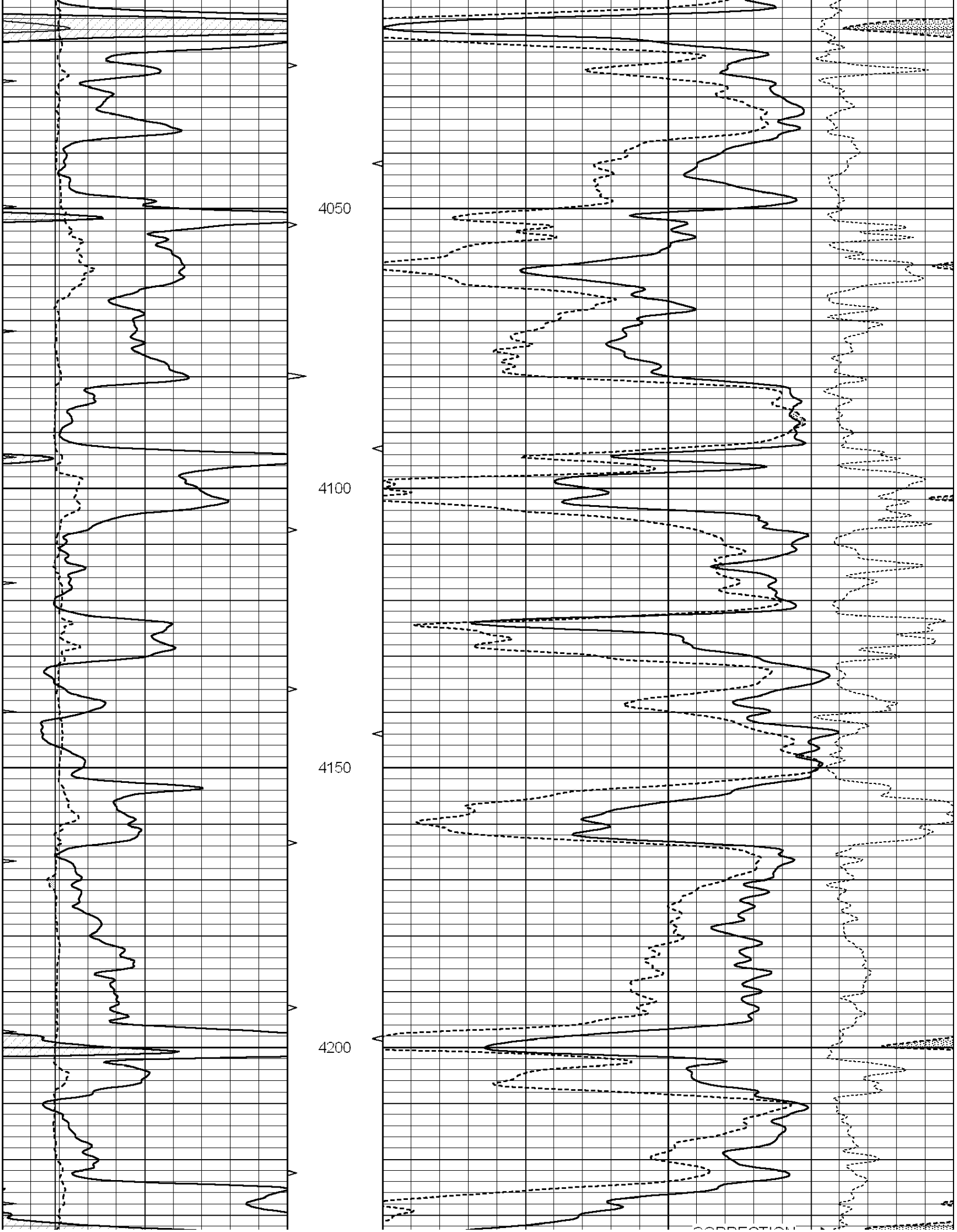
0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
0	MINMK	20

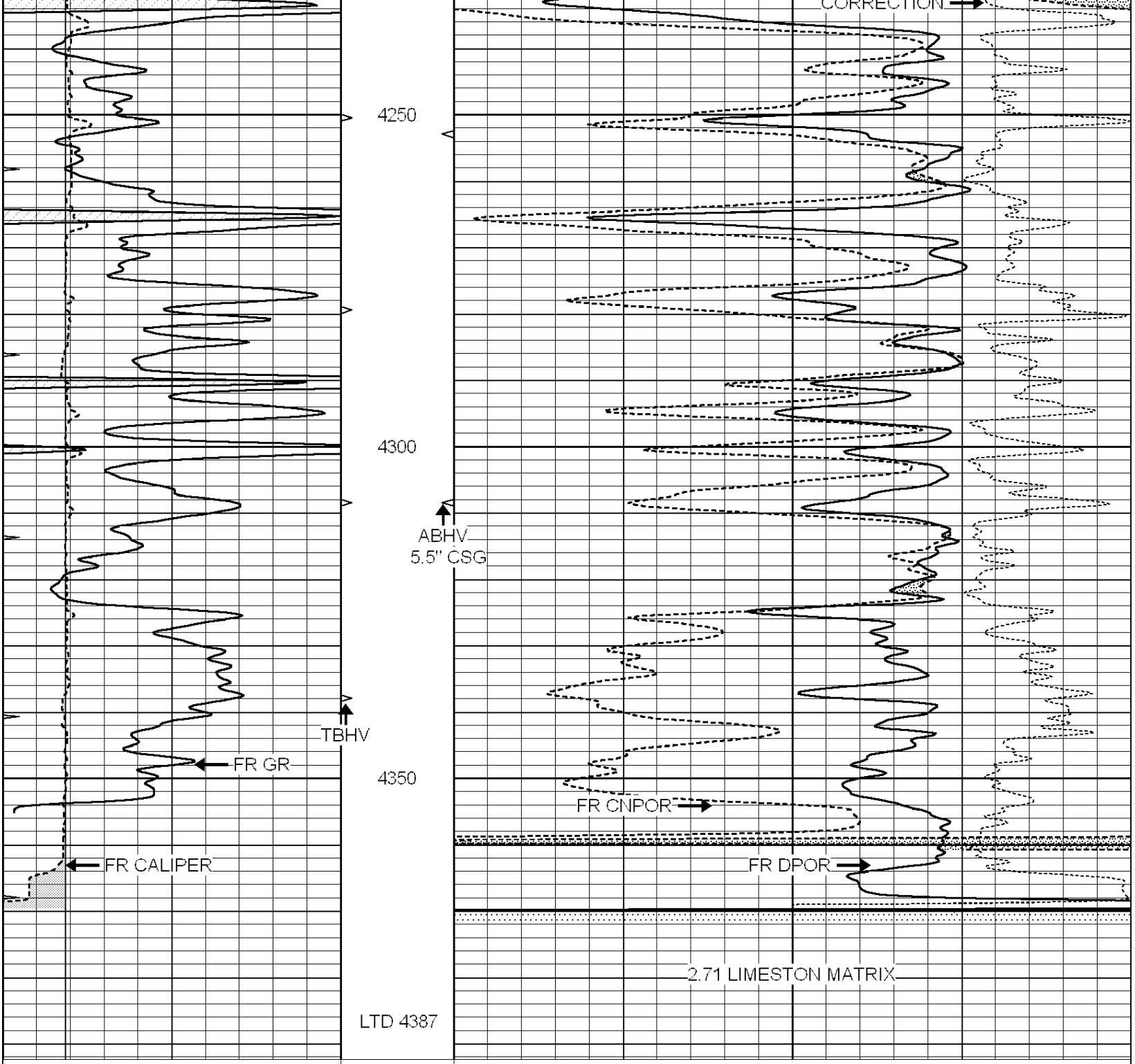
ABHV		
10	(ft3)	0
TBHV		
0	(ft3)	10

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




3800
3850
3900
3950
4000


4050
4100
4150
4200



NABORS
COMPLETION & PRODUCTION SERVICES CO.

REPEAT SECTION

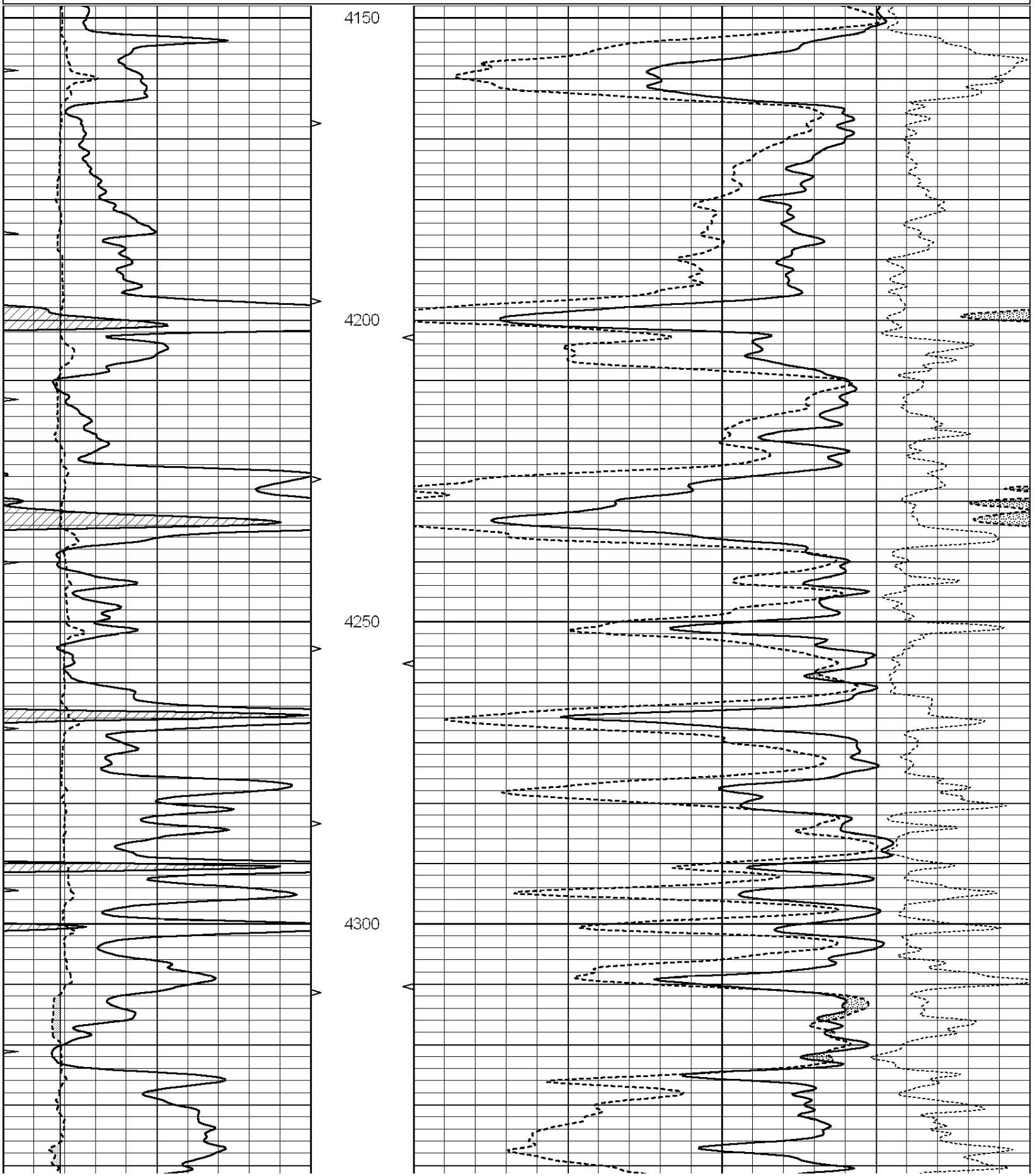
Database File: 23924ddn.db
Dataset Pathname: pass3.2
Presentation Format: _den_neu
Dataset Creation: Mon Mar 24 10:21:08 2014 by Calc Open-Cased 090629

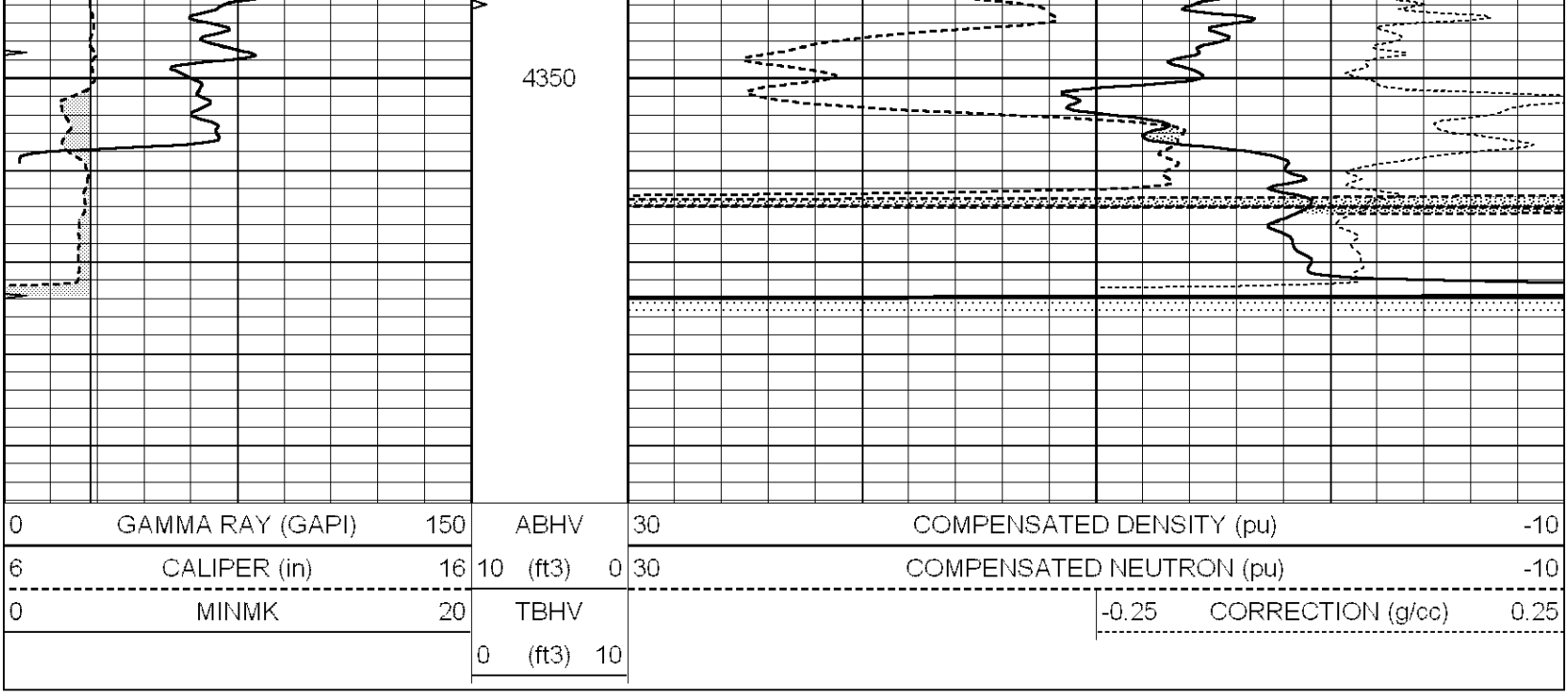
Charted by: Depth in Feet scaled 1:240

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

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

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





Calibration Report

Database File: 23924ddn.db
Dataset Pathname: pass4.2
Dataset Creation: Mon Mar 24 10:53:42 2014 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: DIL3-GEAR
Performed: Wed Mar 05 17:42:55 2014

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	500.000	4.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	570.000	3.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.645	V	0.000	400.000	mmho/m	560.000	-1.071
Medium	0.007	0.740	V	0.000	462.500	mmho/m	540.000	-4.000

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
Source / Verifier: 147 / 147
Master Calibration Performed: Wed Mar 05 16:50:17 2014

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1211.27	625.92	cps
Aluminum	2.600	g/cc	267.11	413.26	cps

Spine Angle = 74.64
Density/Spine Ratio = 0.568

	Size		Reading	
Small Ring	8.20	in	5.18	V
Large Ring	14.00	in	8.18	V

Compensated Neutron Calibration Report

Serial Number:	080620
Tool Model:	Probe

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number:	7	
Tool Model:	Probe1	
Performed:	Tue Mar 04 10:47:15 2014	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.4500	GAPI/cps

NABORS
COMPLETION & PRODUCTION SERVICES CO.

MICRO LOG

Company MUSTANG ENERGY CORPORATION
Well EVANS UNIT #1
Field JIM NORTH
County GOVE
State KANSAS

Company MUSTANG ENERGY CORPORATION
Well EVANS UNIT #1
Field JIM NORTH
County GOVE
State KANSAS

Location: API # : 15-063-22186-00-00

1000' FNL & 1250' FEL
SW - SW - NE - NE

SEC 25 TWP 14S RGE 29W

Other Services
CNL/CDL
DIL

Permanent Datum GROUND LEVEL Elevation 2612
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2620
D.F. 2618
G.L. 2612

Date	3-24-14		
Run Number	TWO		
Depth Driller	4385		
Depth Logger	4387		
Bottom Logged Interval	4385		
Top Log Interval	3600		
Casing Driller	8 5/8 @ 222'		
Casing Logger	222'		
Bit Size	7.875		
Type Fluid in Hole	STARCH MUD	CHLORIDES 1,750	
Density / Viscosity	9.4 / 50		
pH / Fluid Loss	9.5 / 9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.70 @ 64F		
Rmf @ Meas. Temp	0.53 @ 64F		
Rmc @ Meas. Temp	0.84 @ 64F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.40 @ 119F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	119F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	HERB DEINES		

Comments

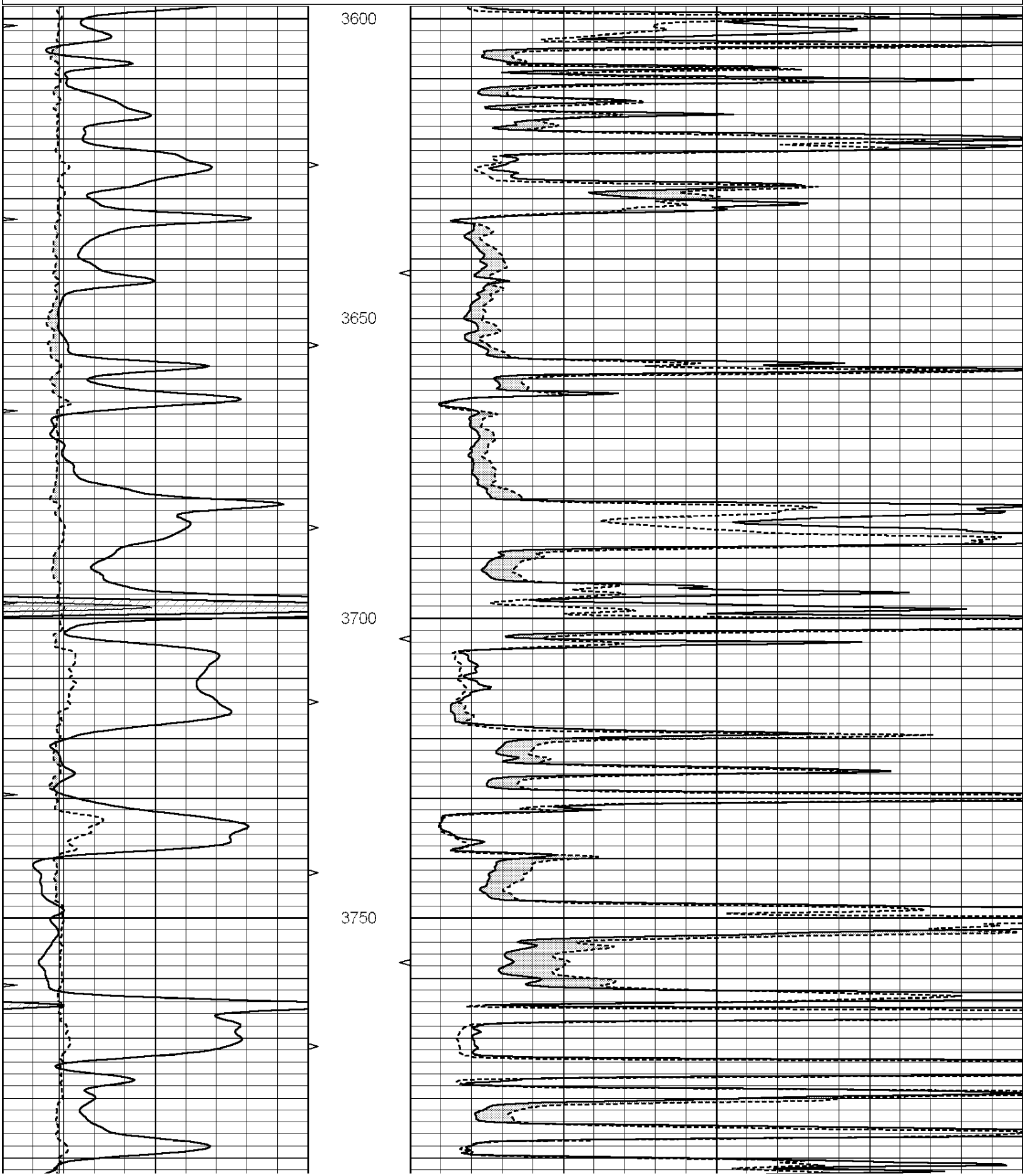
NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: GOVE, KS. - SOUTH 10 MILES - 3/4 EAST - SOUTH INTO

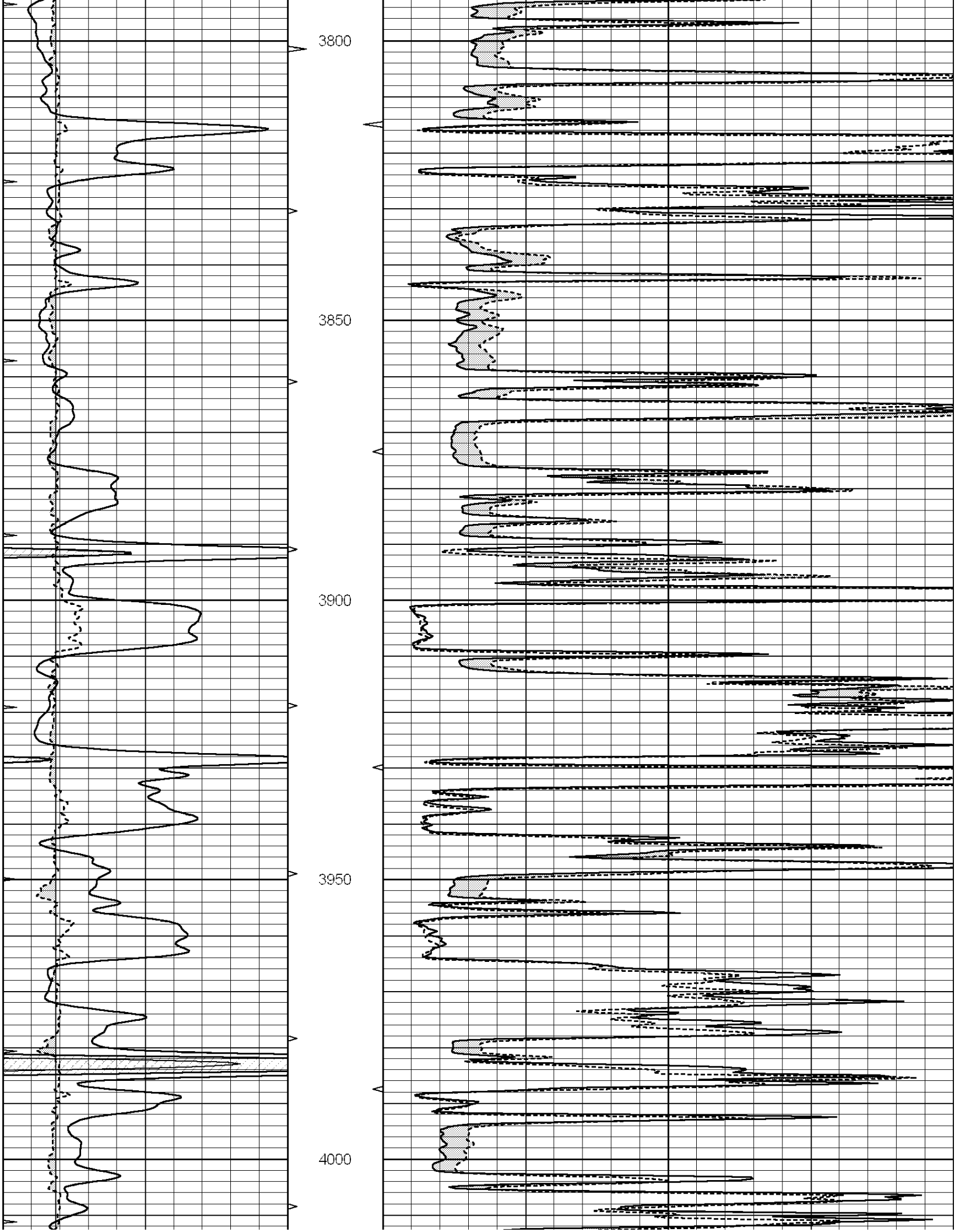
Database File: 23924ddn.db
Dataset Pathname: pass8.2
Presentation Format: _micro
Dataset Creation: Mon Mar 24 13:10:53 2014 by Calc Open-Cased 090629

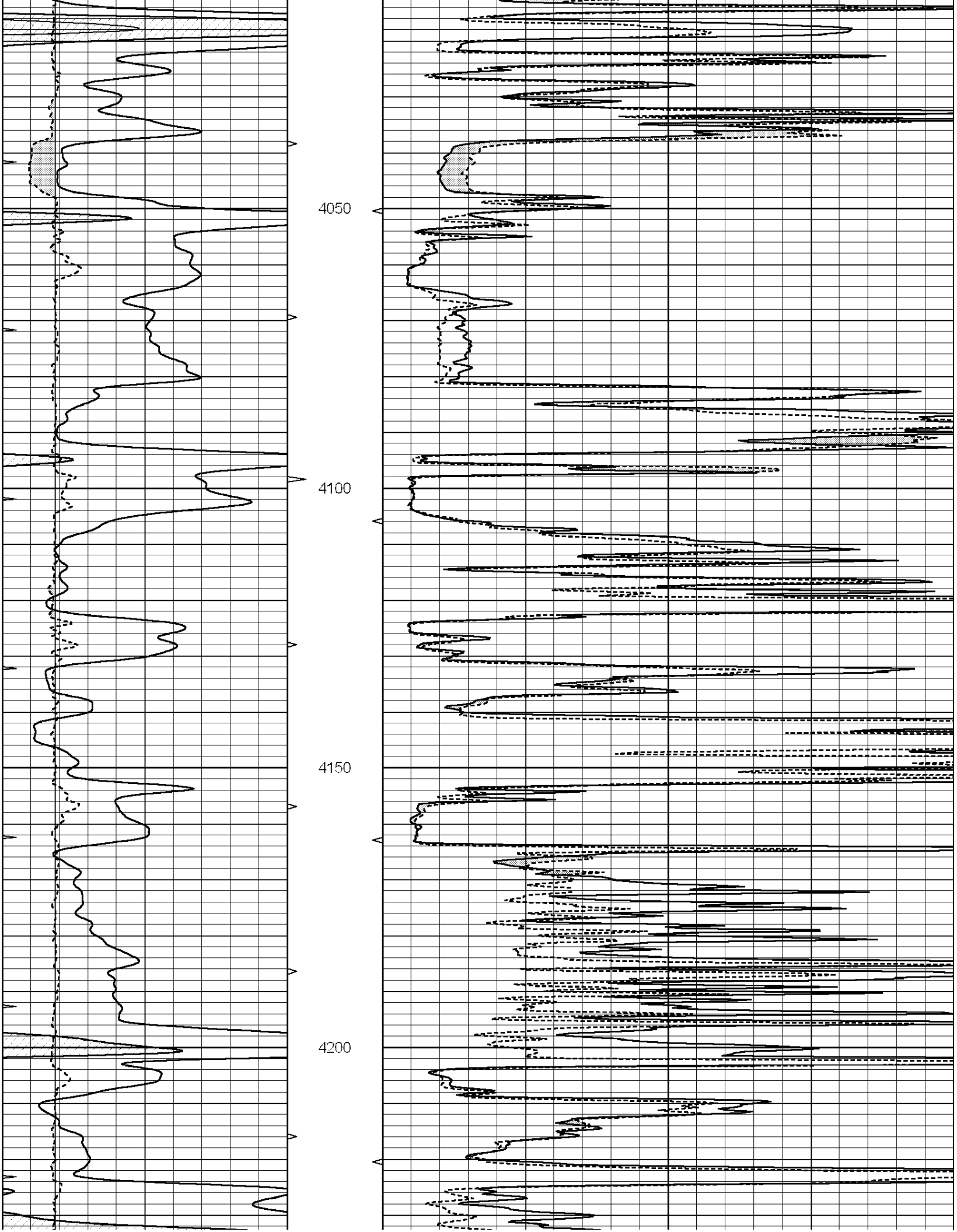
Charted by: Depth in Feet scaled 1:240

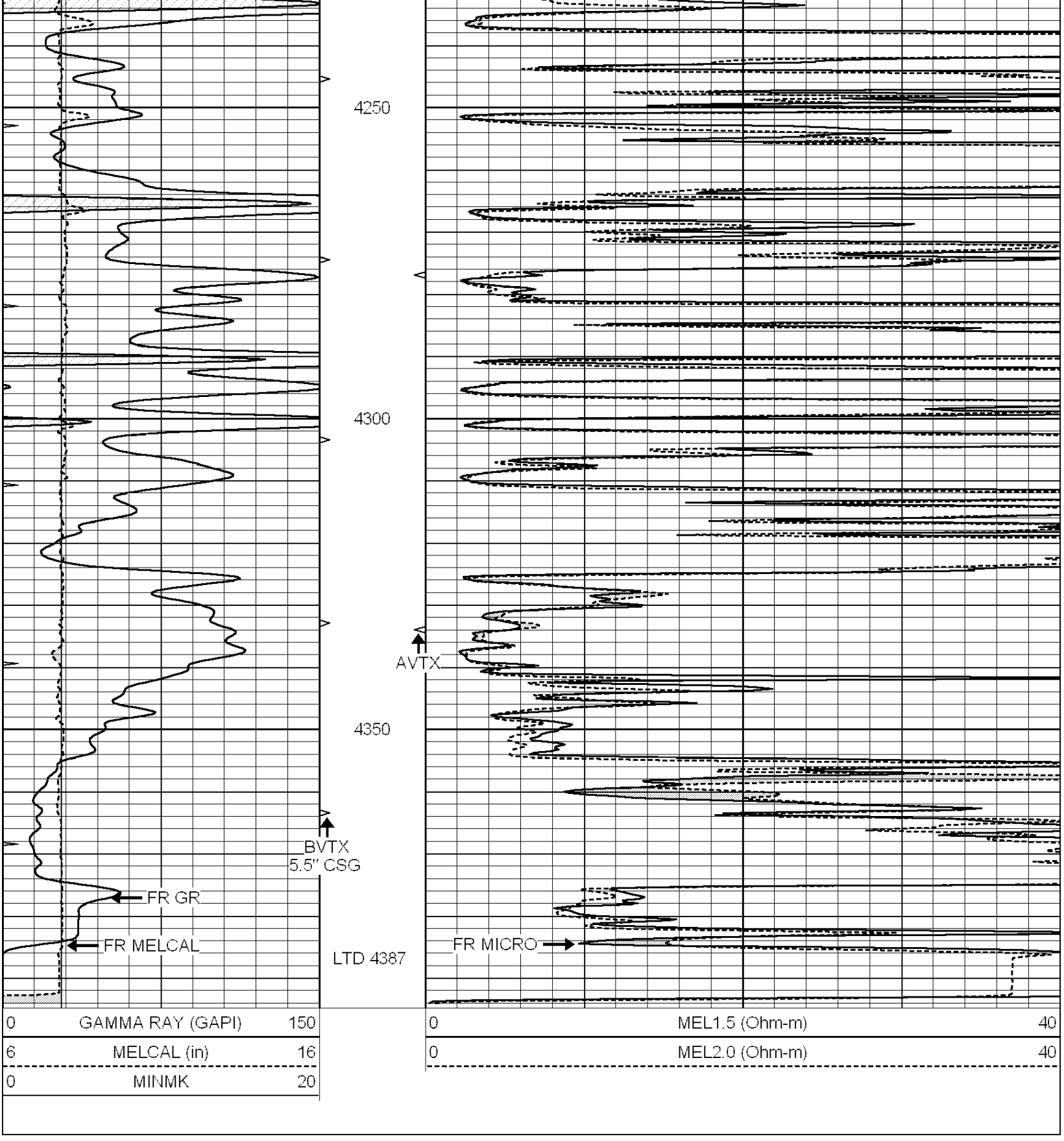
0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

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




3800
3850
3900
3950
4000


4050
4100
4150
4200



NABORS
COMPLETION & PRODUCTION SERVICES CO.

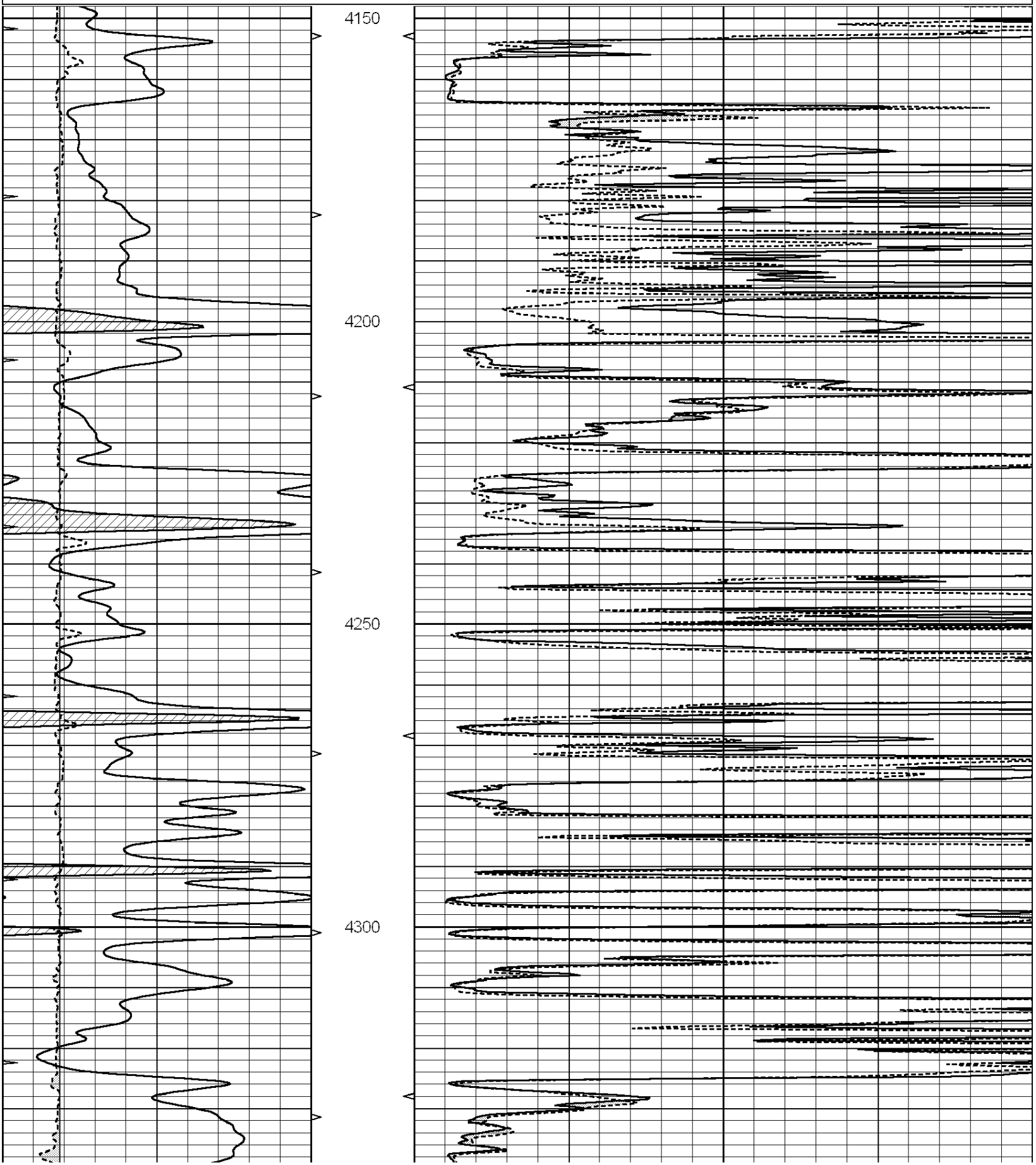
REPEAT SECTION

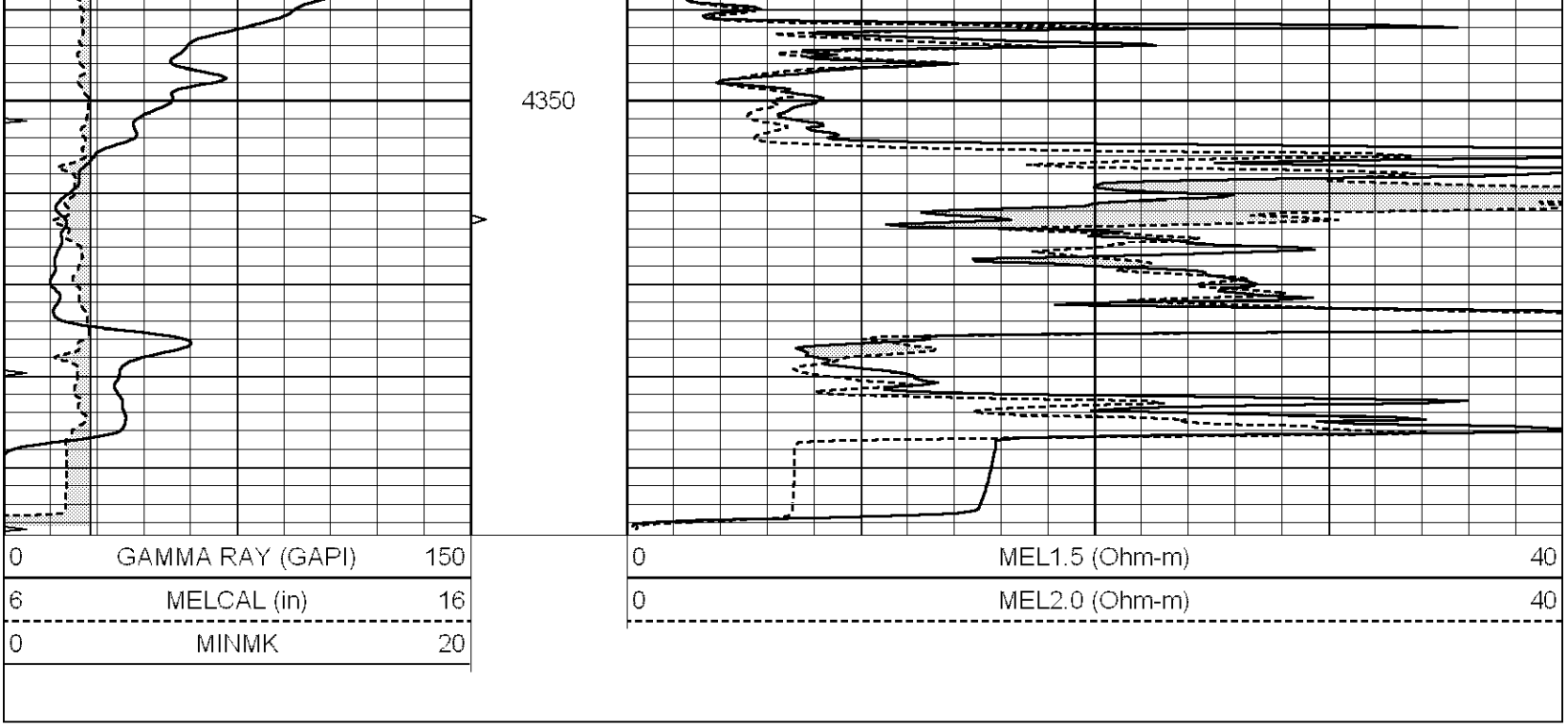
Database File: 23924ddn.db
Dataset Pathname: pass6.1
Presentation Format: _micro

Dataset Creation: Mon Mar 24 12:25:48 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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

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





Calibration Report

Database File: 23924ddn.db
Dataset Pathname: pass8.2
Dataset Creation: Mon Mar 24 13:10:53 2014 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO5	
Tool Model:	PROBE	
Performed:	Wed Mar 05 19:18:42 2014	
Caliper Calibration:	Gain=3.536	Offset=-6.100
	Low Cal	High Cal
References	6.200	15.000
Readings	3.737	5.660
1.5" Calibration:	Gain=20.334	Offset=0.250
	Low Cal	High Cal
References	0.000	20.000
Readings	0.025	1.009
2" Calibration:	Gain=25.398	Offset=0.400
	Low Cal	High Cal
References	0.000	20.000
Readings	0.014	0.802

Gamma Ray Calibration Report

Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Mon Mar 24 12:21:22 2014	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	740.0	cps
Sensitivity:	0.3400	GAPI/cps

NABORS
COMPLETION & PRODUCTION SERVICES CO.

DUAL INDUCTION LOG

Company MUSTANG ENERGY CORPORATION
Well EVANS UNIT #1
Field JIM NORTH
County GOVE State KANSAS

Location: API # : 15-063-22186-00-00
1000' FNL & 1250' FEL
SW - SW - NE - NE
SEC 25 TWP 14S RGE 29W

Other Services
CNL/CDL
MEL

Permanent Datum GROUND LEVEL Elevation 2612
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2620
D.F. 2618
G.L. 2612

Company MUSTANG ENERGY CORPORATION
Well EVANS UNIT #1
Field JIM NORTH
County GOVE
State KANSAS

Date	3-24-14		
Run Number	ONE		
Depth Driller	4385		
Depth Logger	4387		
Bottom Logged Interval	4385		
Top Log Interval	00		
Casing Driller	8 5/8 @ 222'		
Casing Logger	222'		
Bit Size	7.875		
Type Fluid in Hole	STARCH MUD	CHLORIDES 1,750	
Density / Viscosity	9.4 / 50		
pH / Fluid Loss	9.5 / 9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.70 @ 64F		
Rmf @ Meas. Temp	0.53 @ 64F		
Rmc @ Meas. Temp	0.84 @ 64F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.40 @ 119F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	119F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	HERB DEINES		

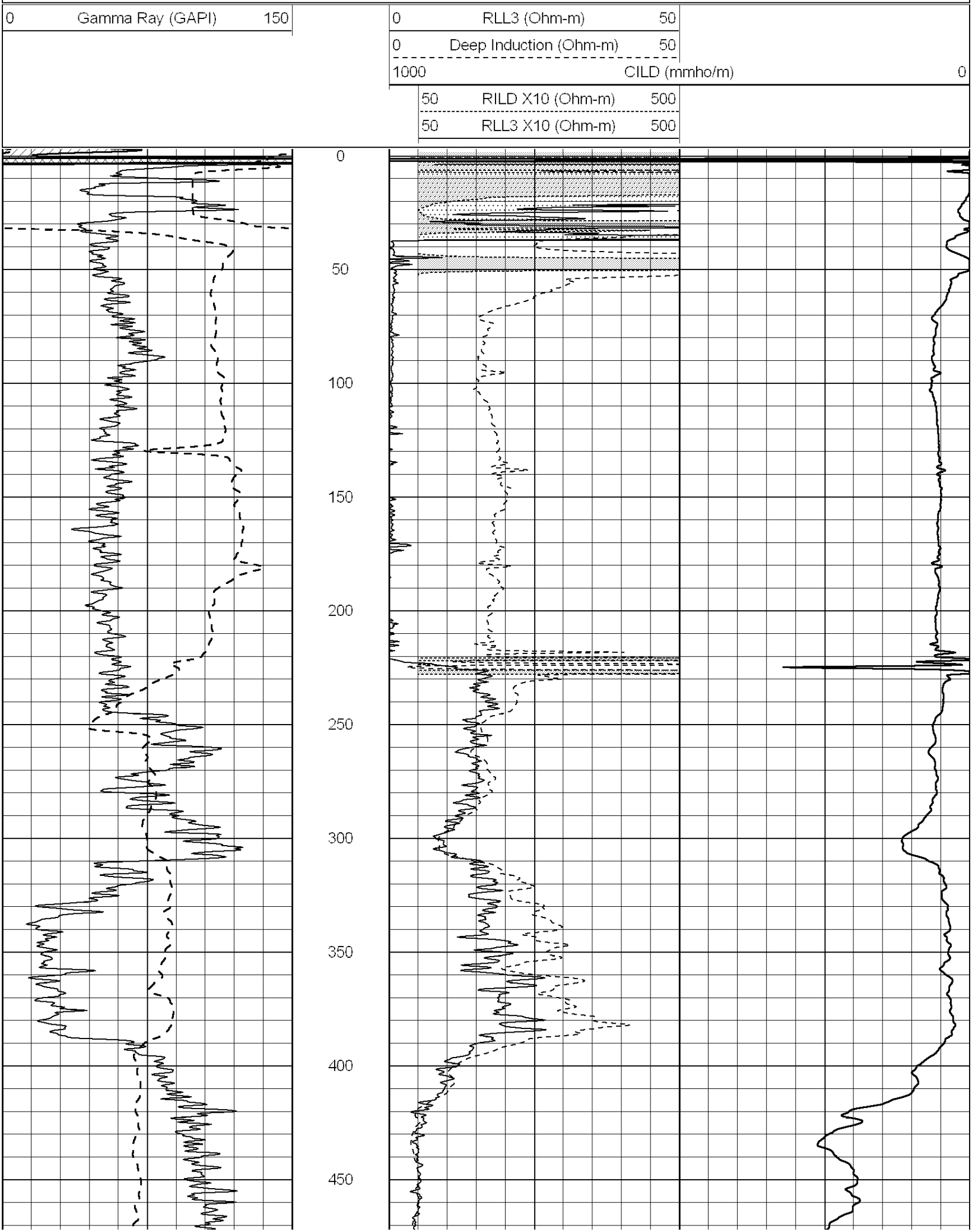
<<< Fold Here >>>

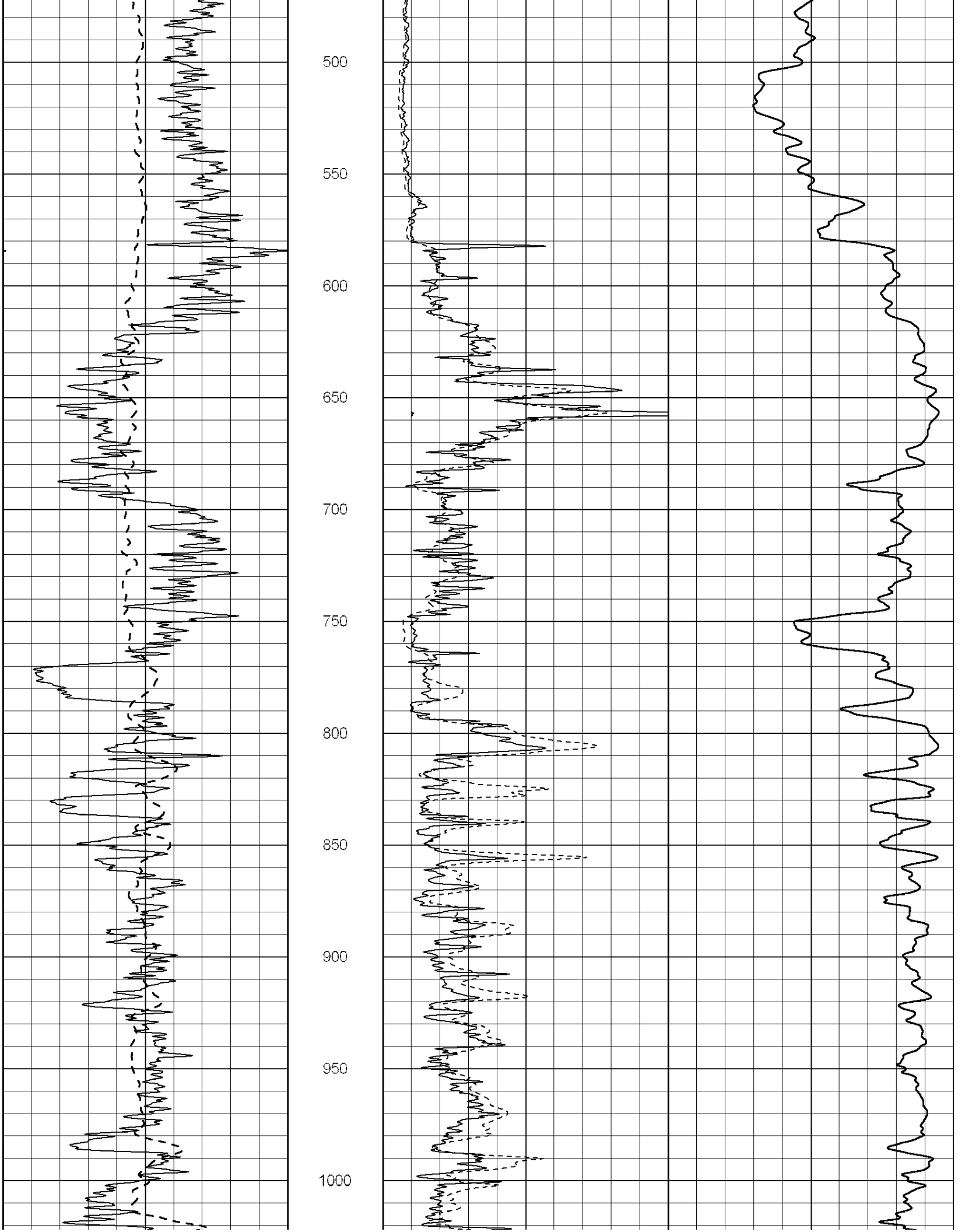
Comments

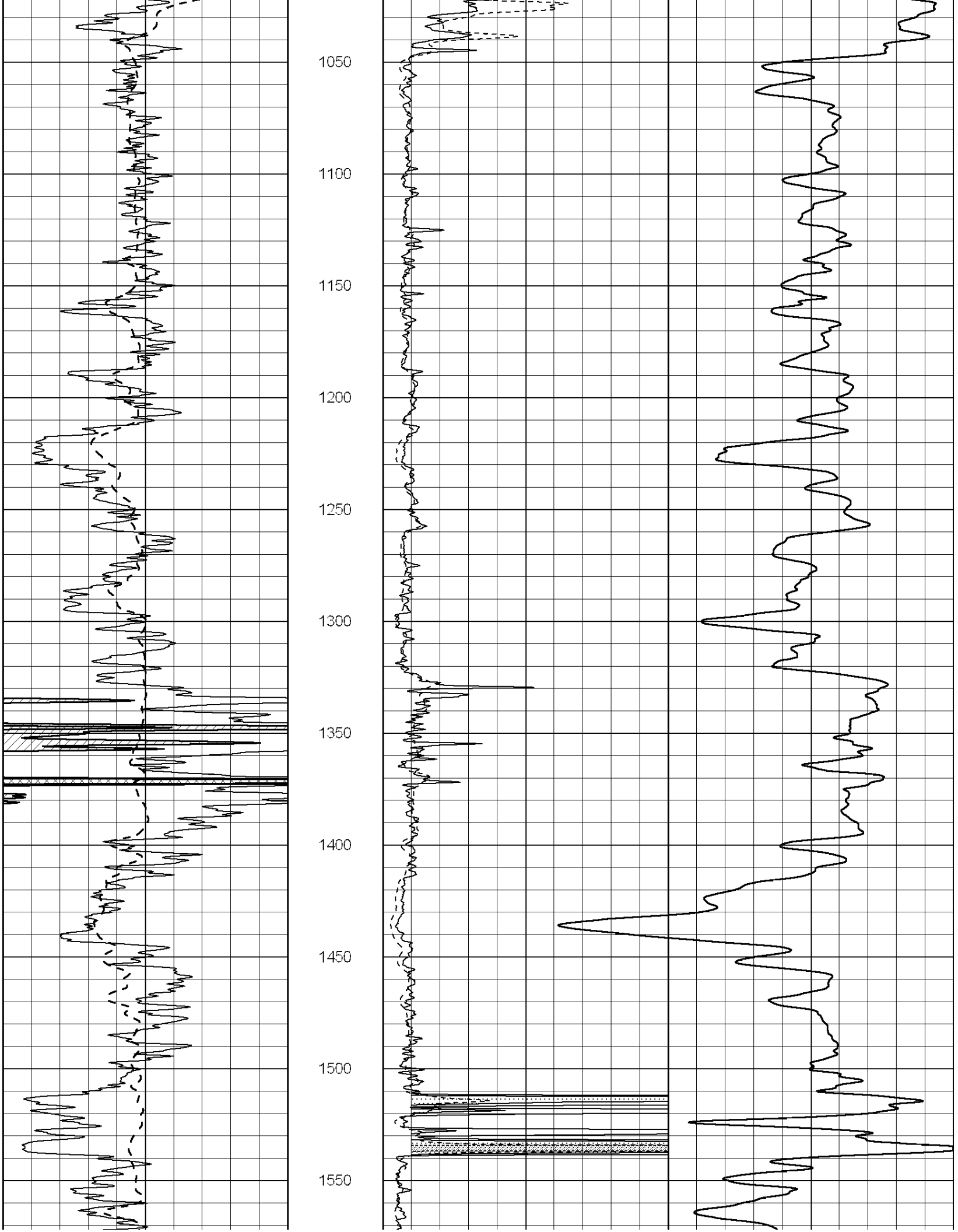
NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: GOVE, KS. - SOUTH 10 MILES - 3/4 EAST - SOUTH INTO

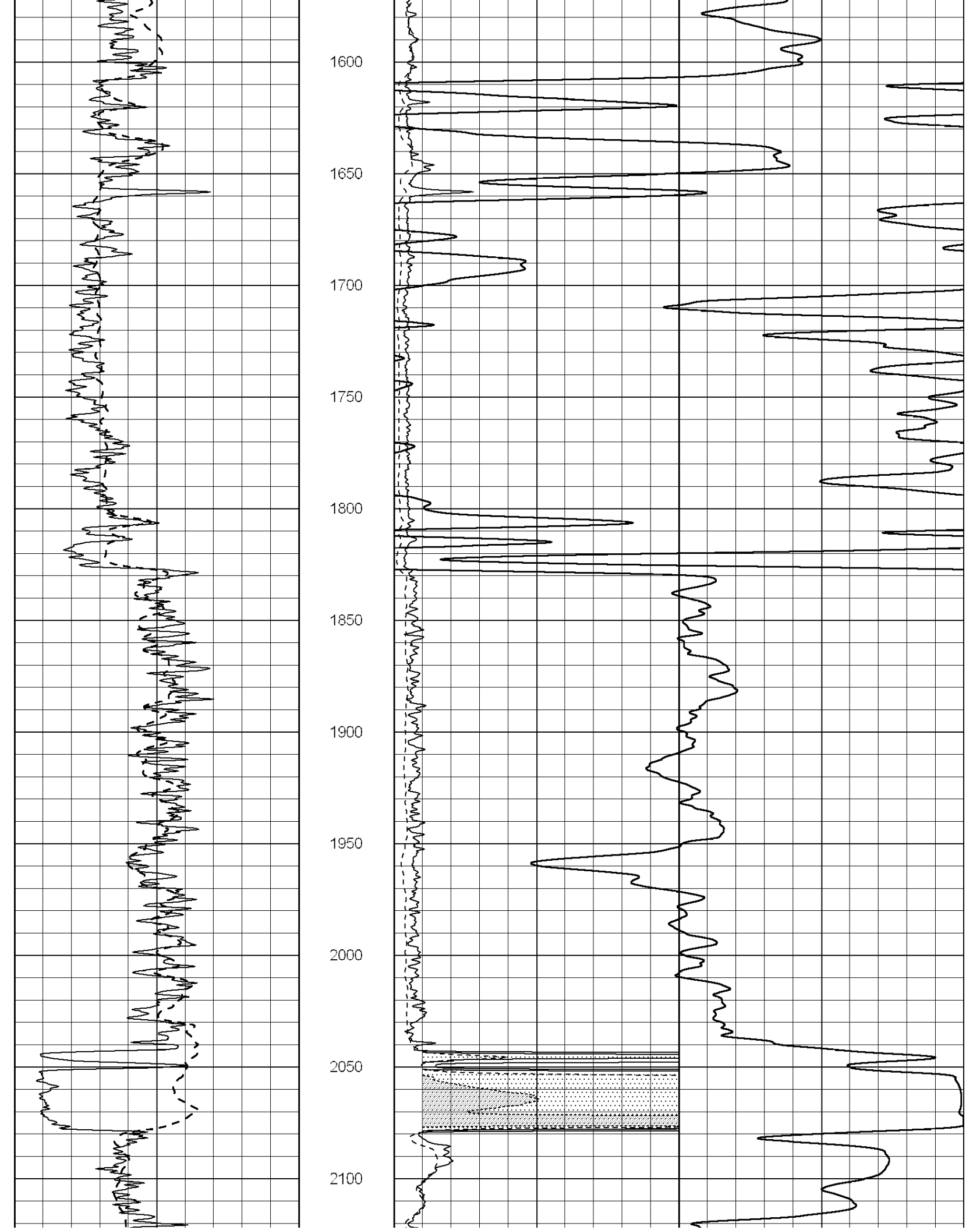
Database File: 23924ddn.db
Dataset Pathname: pass4.3
Presentation Format: _dil2
Dataset Creation: Mon Mar 24 11:30:50 2014 by Calc Open-Cased 090629

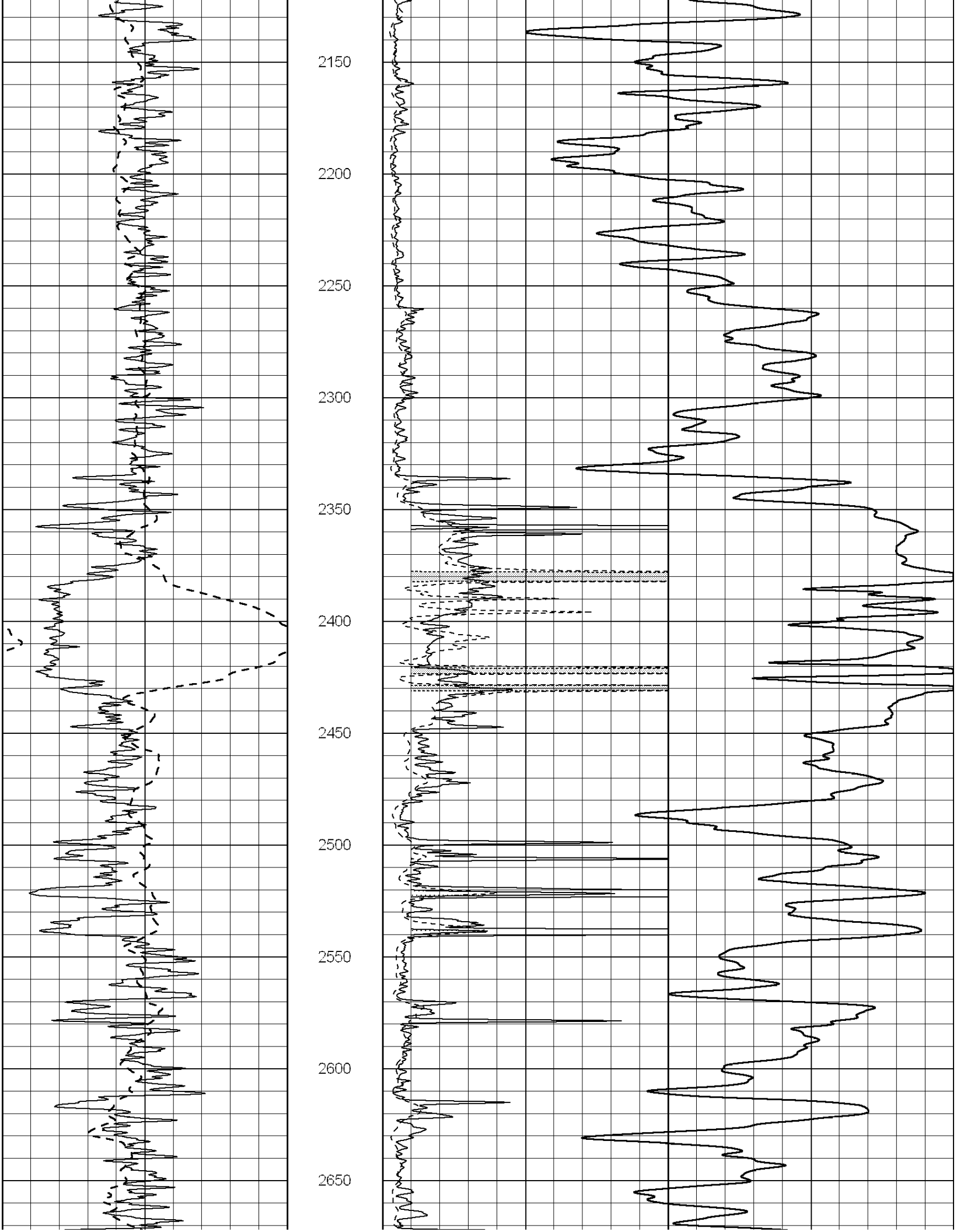
Charted by: Depth in Feet scaled 1:600

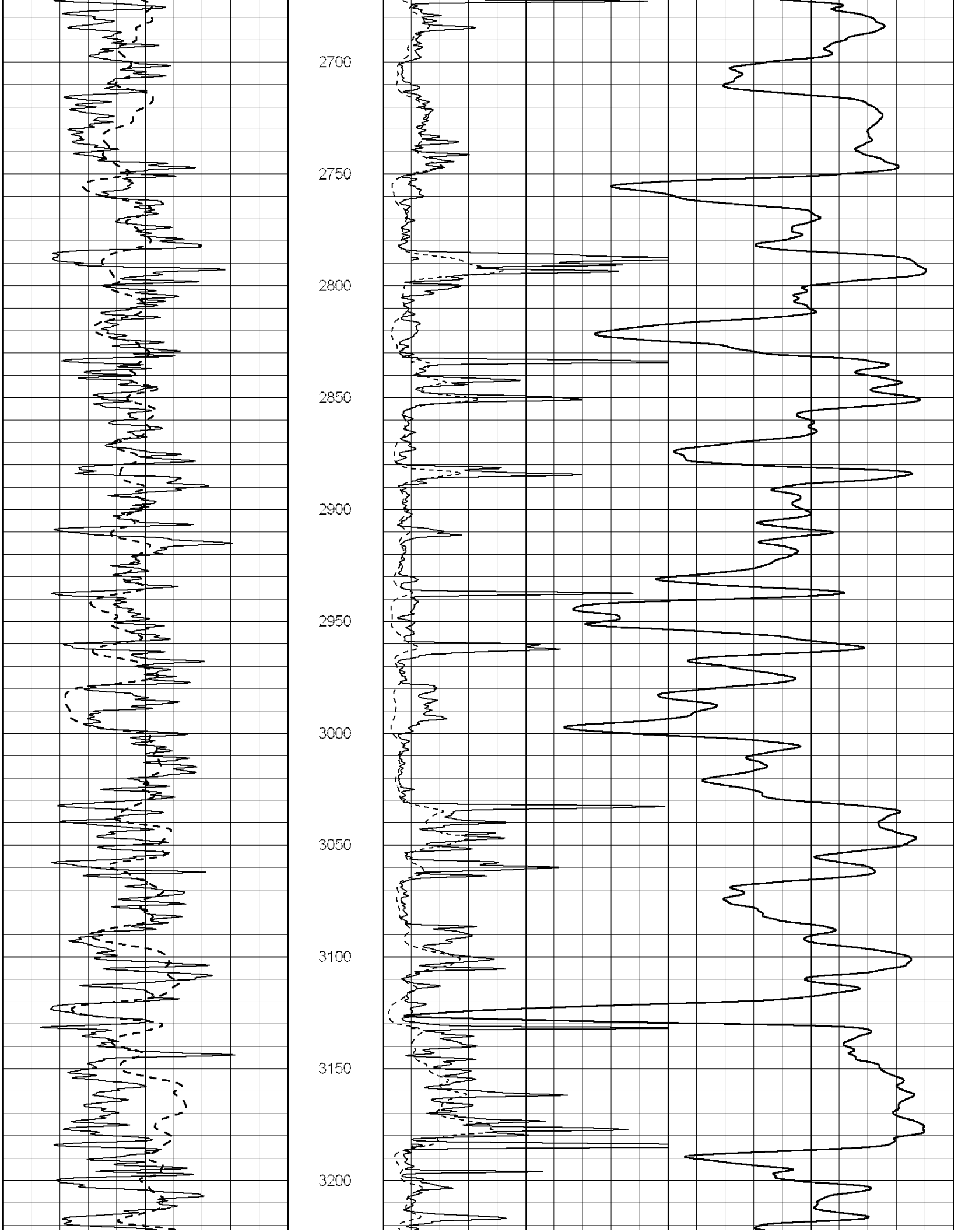


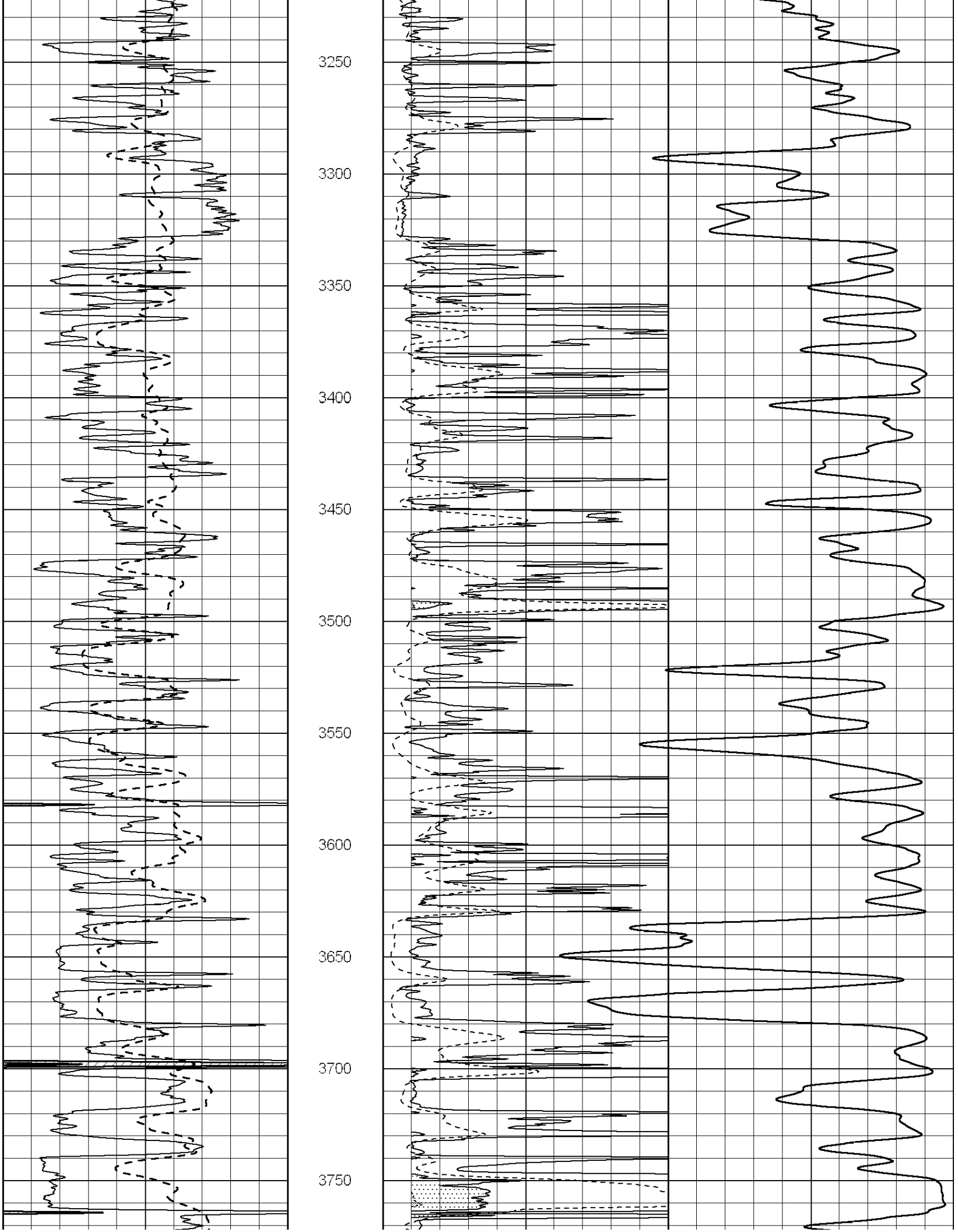

500
550
600
650
700
750
800
850
900
950
1000

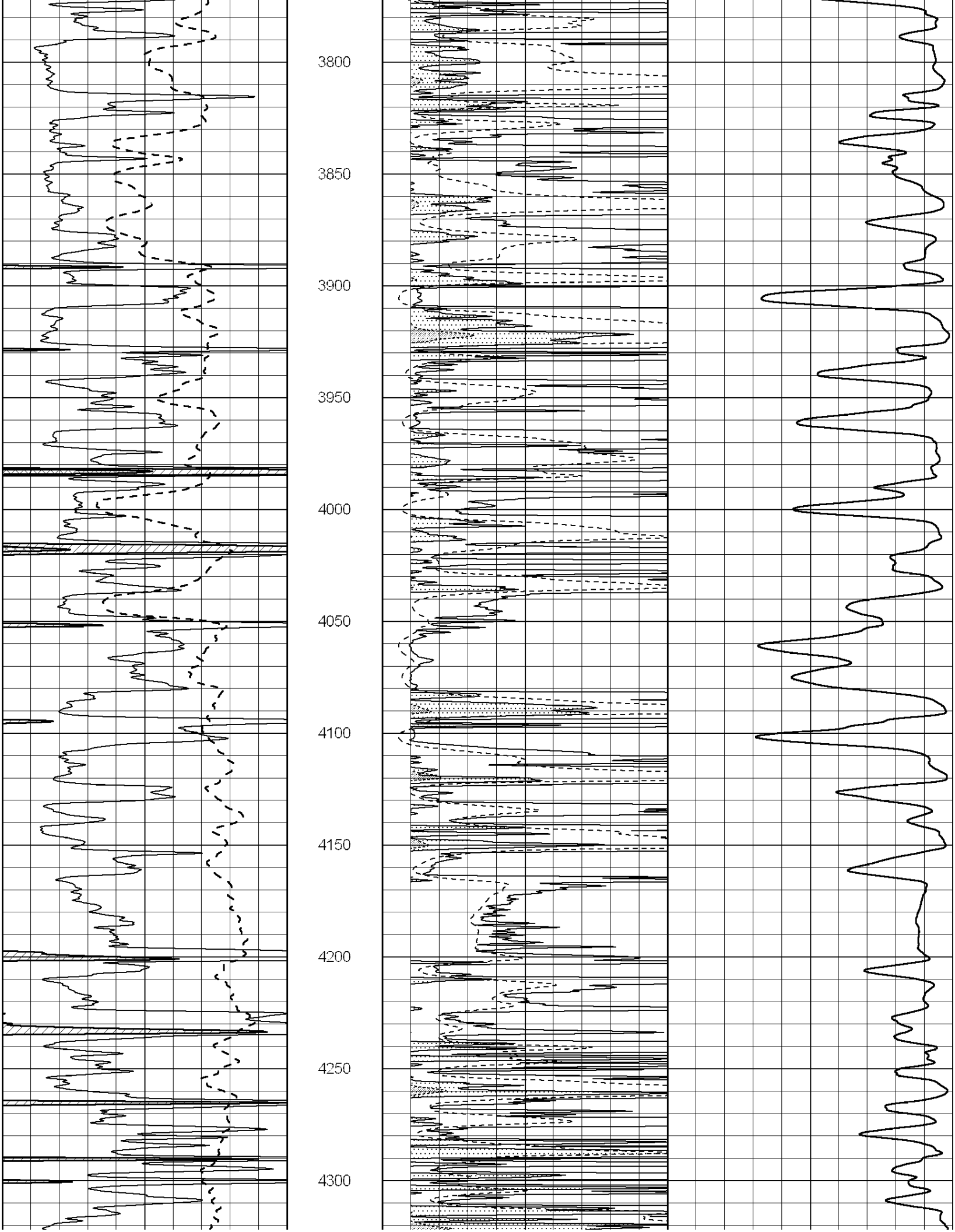

1050
1100
1150
1200
1250
1300
1350
1400
1450
1500
1550

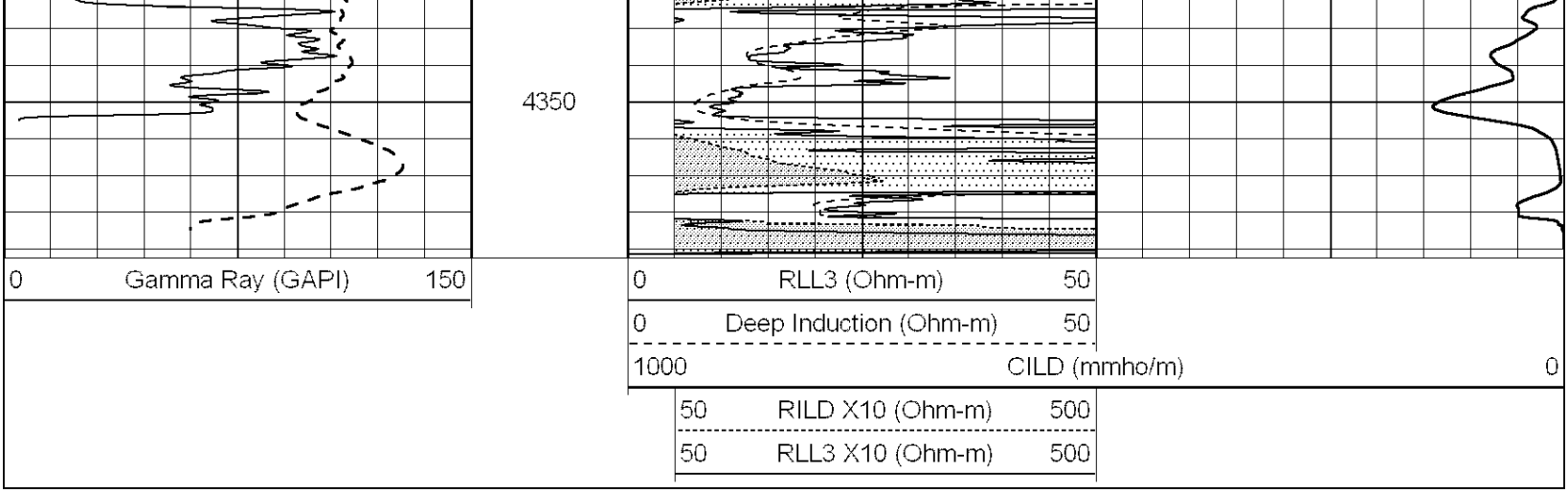

1600
1650
1700
1750
1800
1850
1900
1950
2000
2050
2100


2150
2200
2250
2300
2350
2400
2450
2500
2550
2600
2650

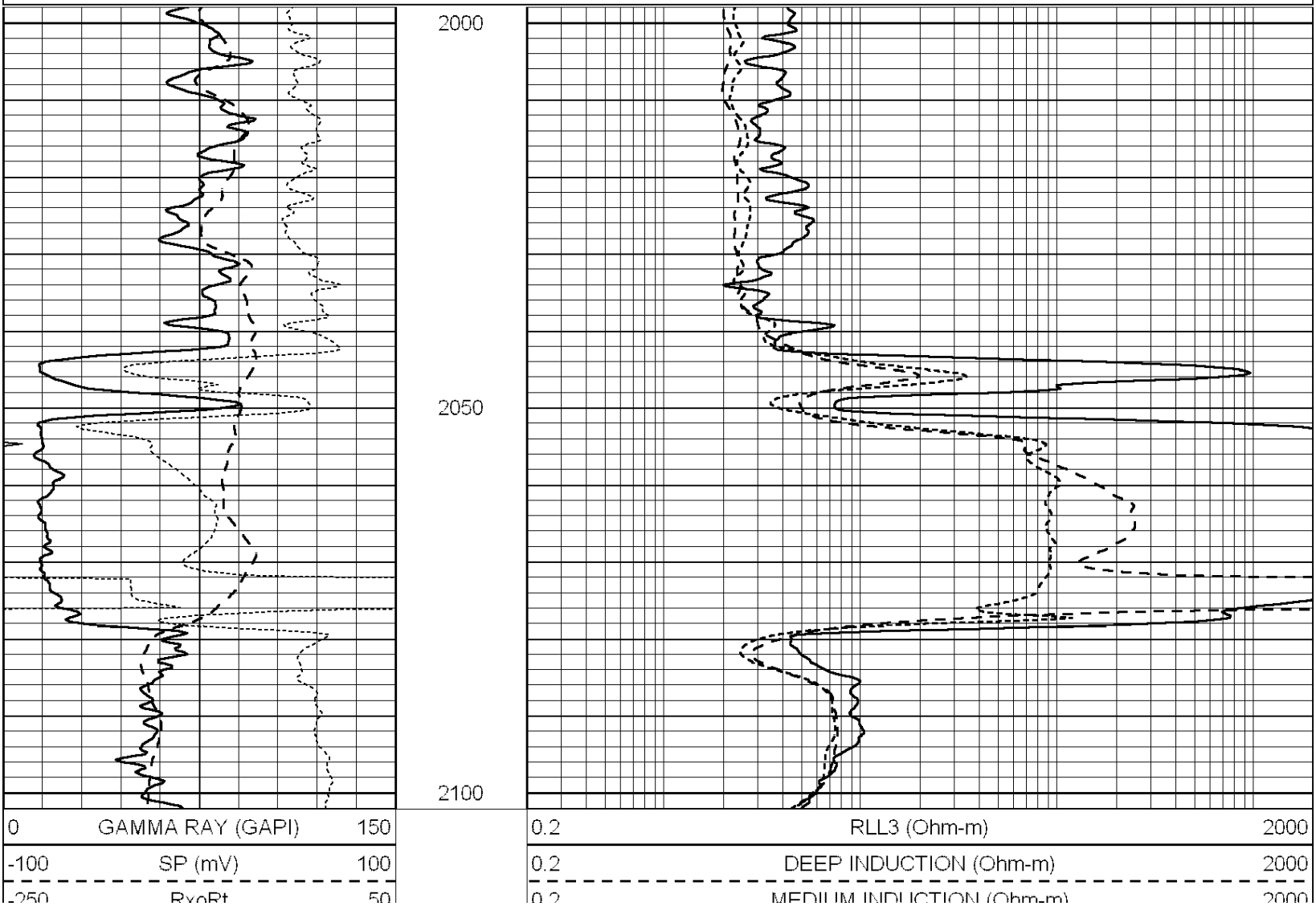

2700
2750
2800
2850
2900
2950
3000
3050
3100
3150
3200


3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750


3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300



Database File: 23924ddn.db
Dataset Pathname: pass4.3
Presentation Format: _dil
Dataset Creation: Mon Mar 24 11:30:50 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240



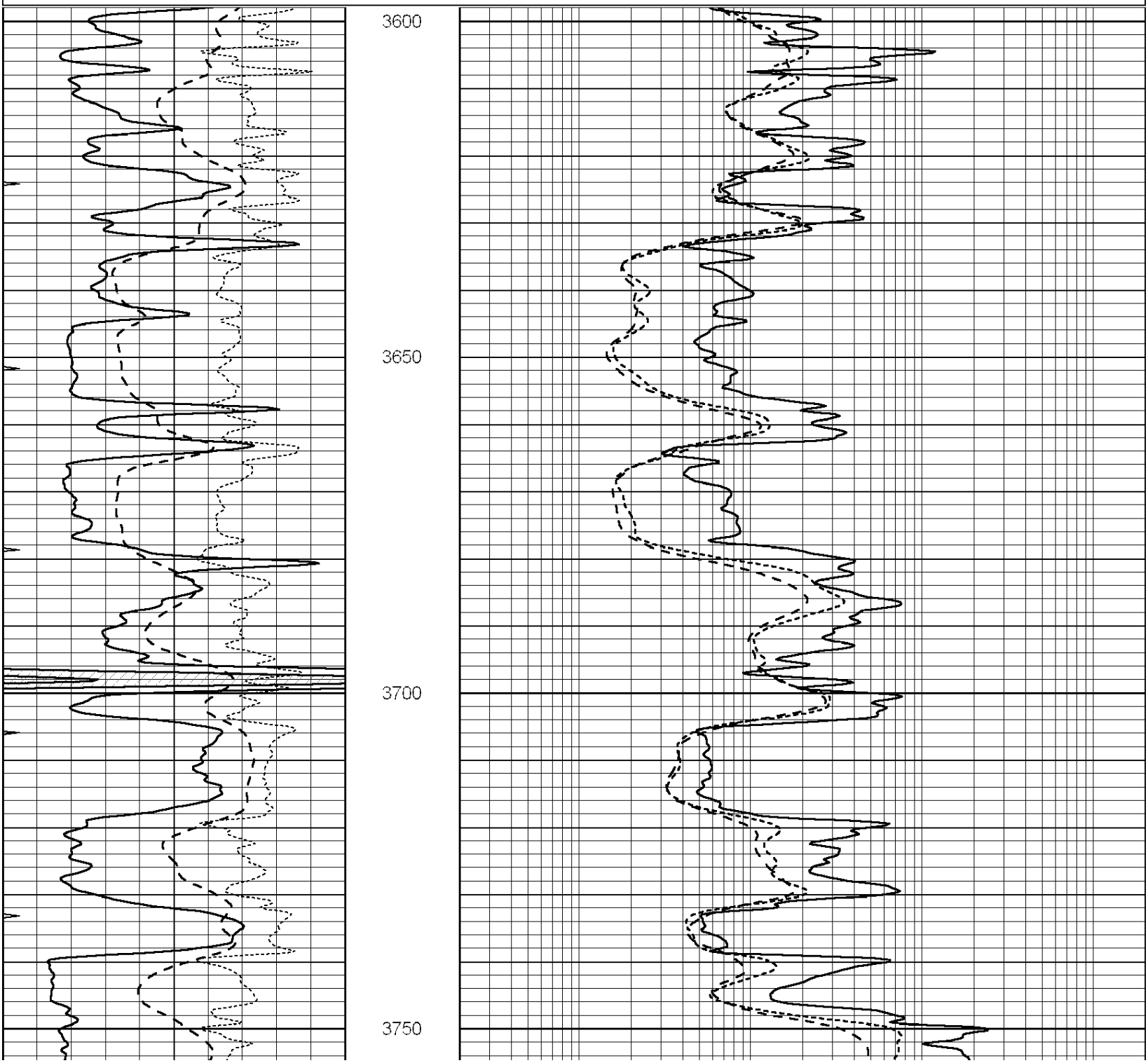
0	MINMK	20

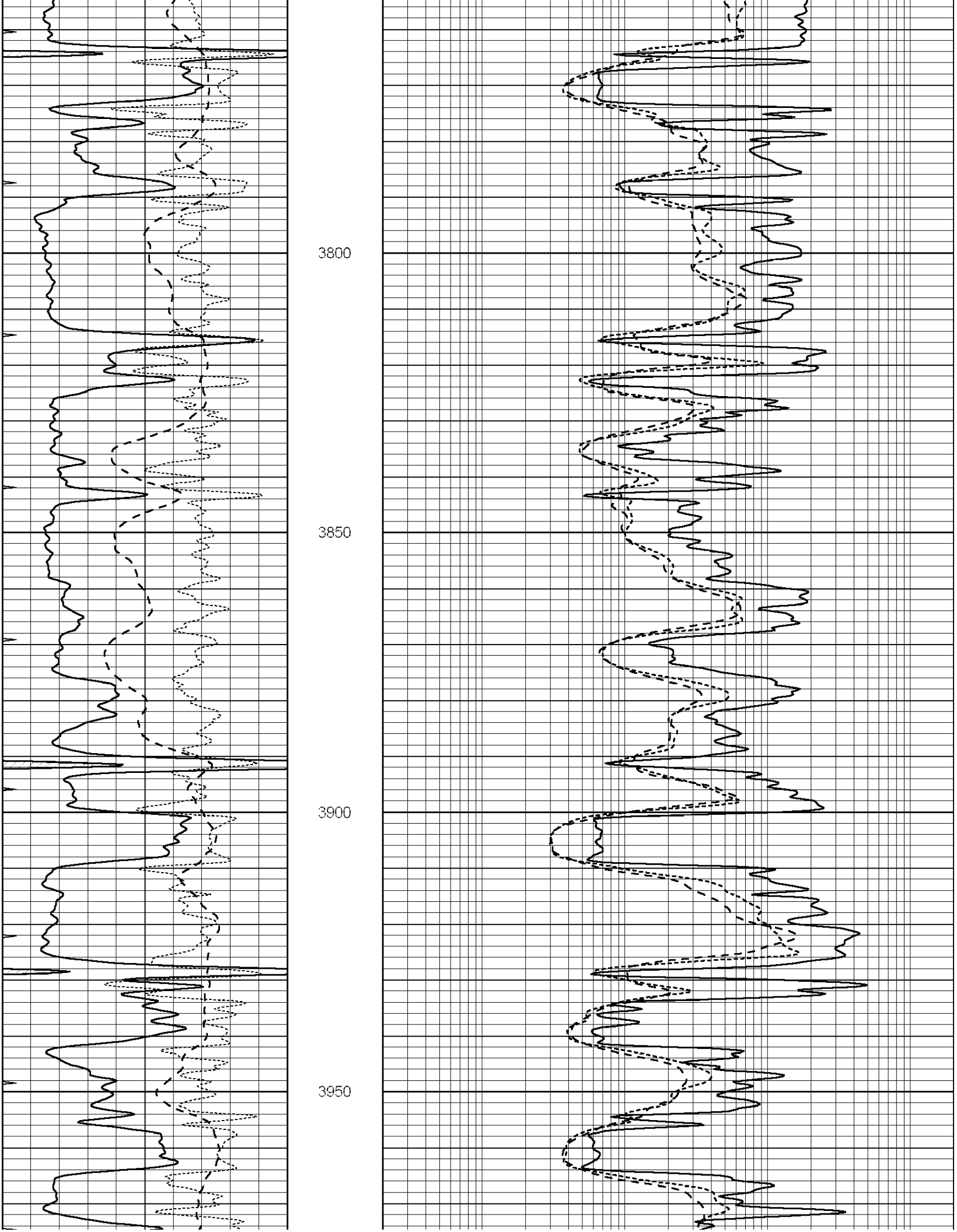
0.2	MEDIUM INDUCTION (Ohm-m)	2000

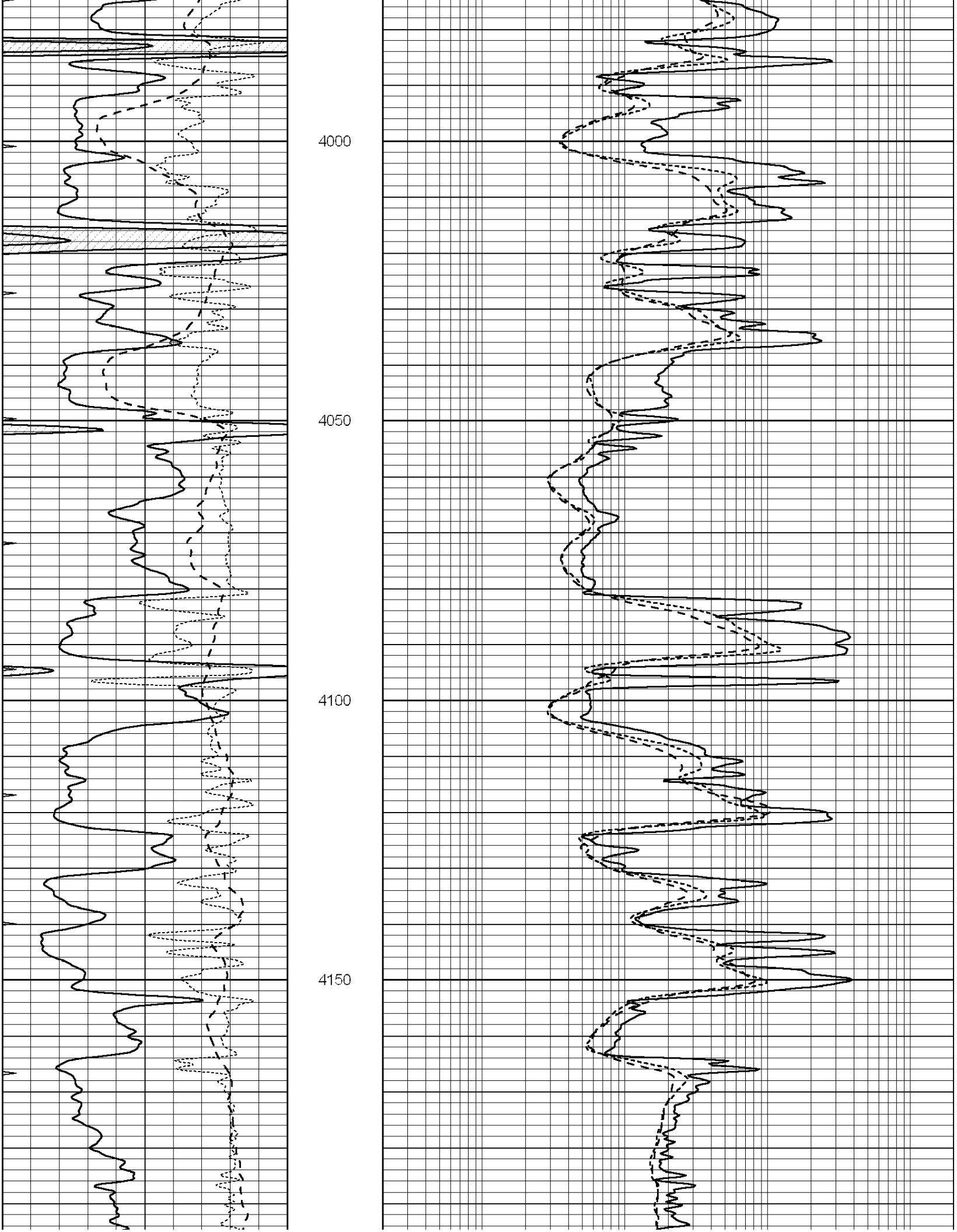
Database File: 23924ddn.db
Dataset Pathname: pass4.2
Presentation Format: _dil
Dataset Creation: Mon Mar 24 10:53:42 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

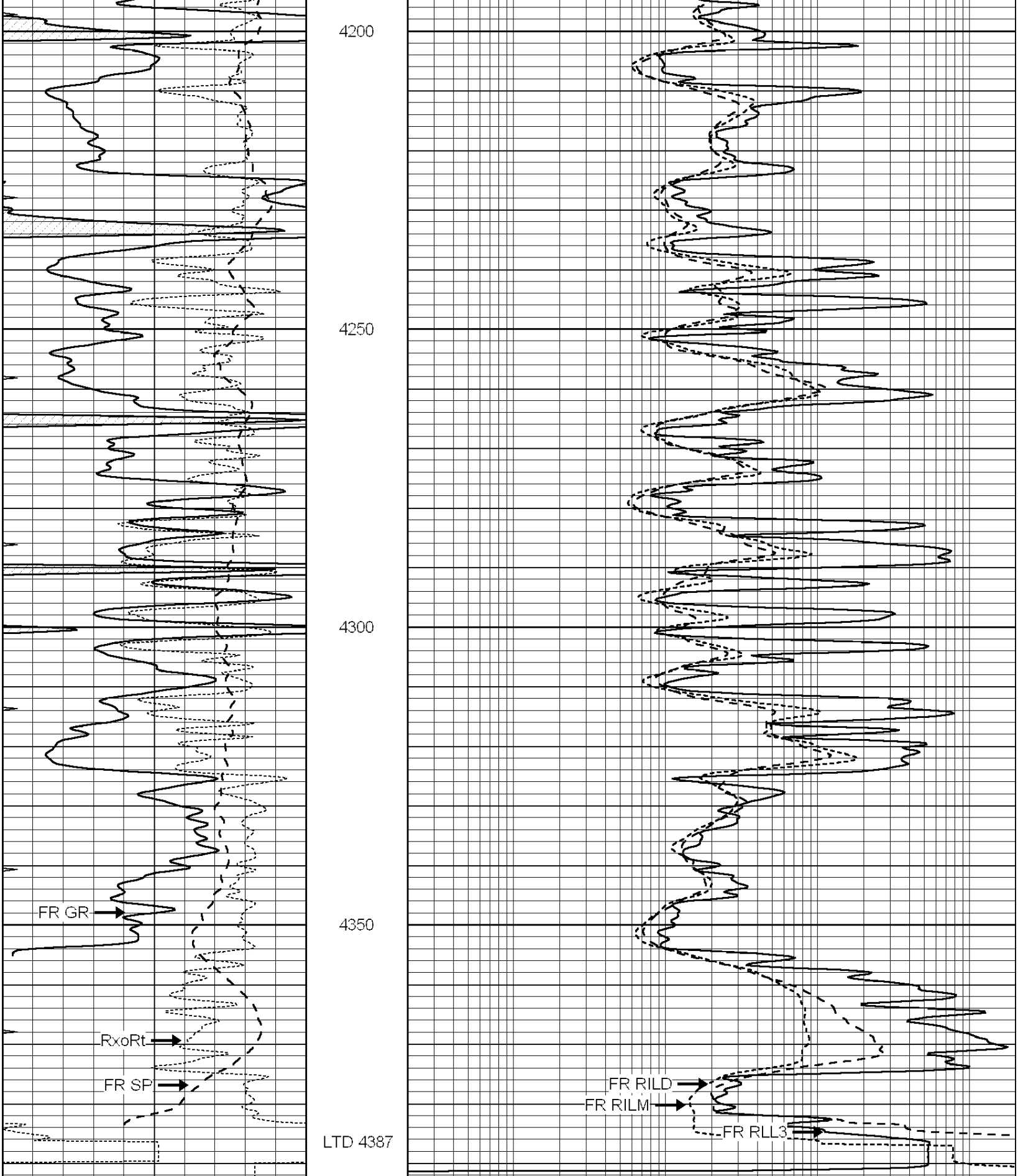
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000




3800
3850
3900
3950


4000
4050
4100
4150



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

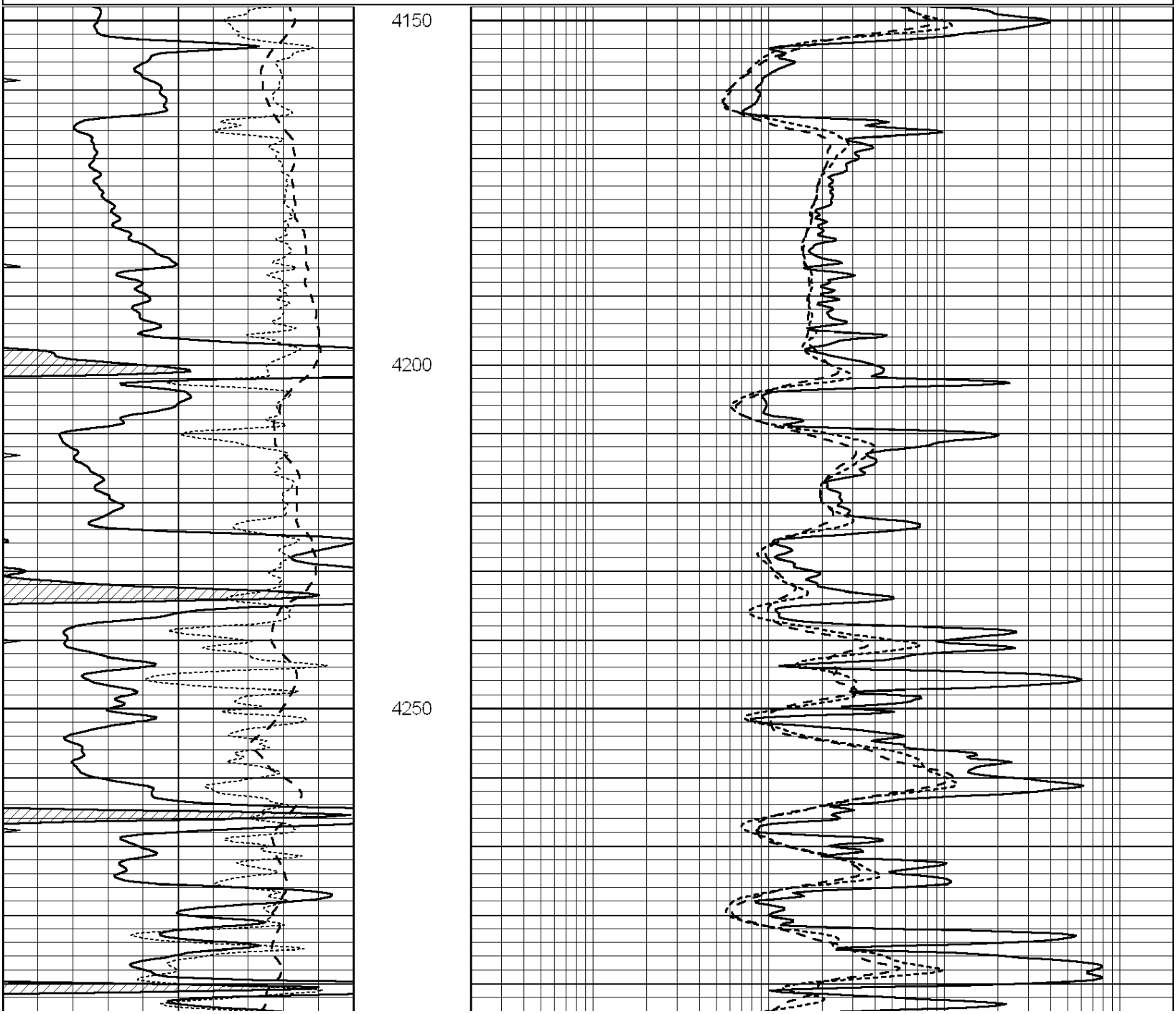
NABORS
COMPLETION & PRODUCTION SERVICES CO.

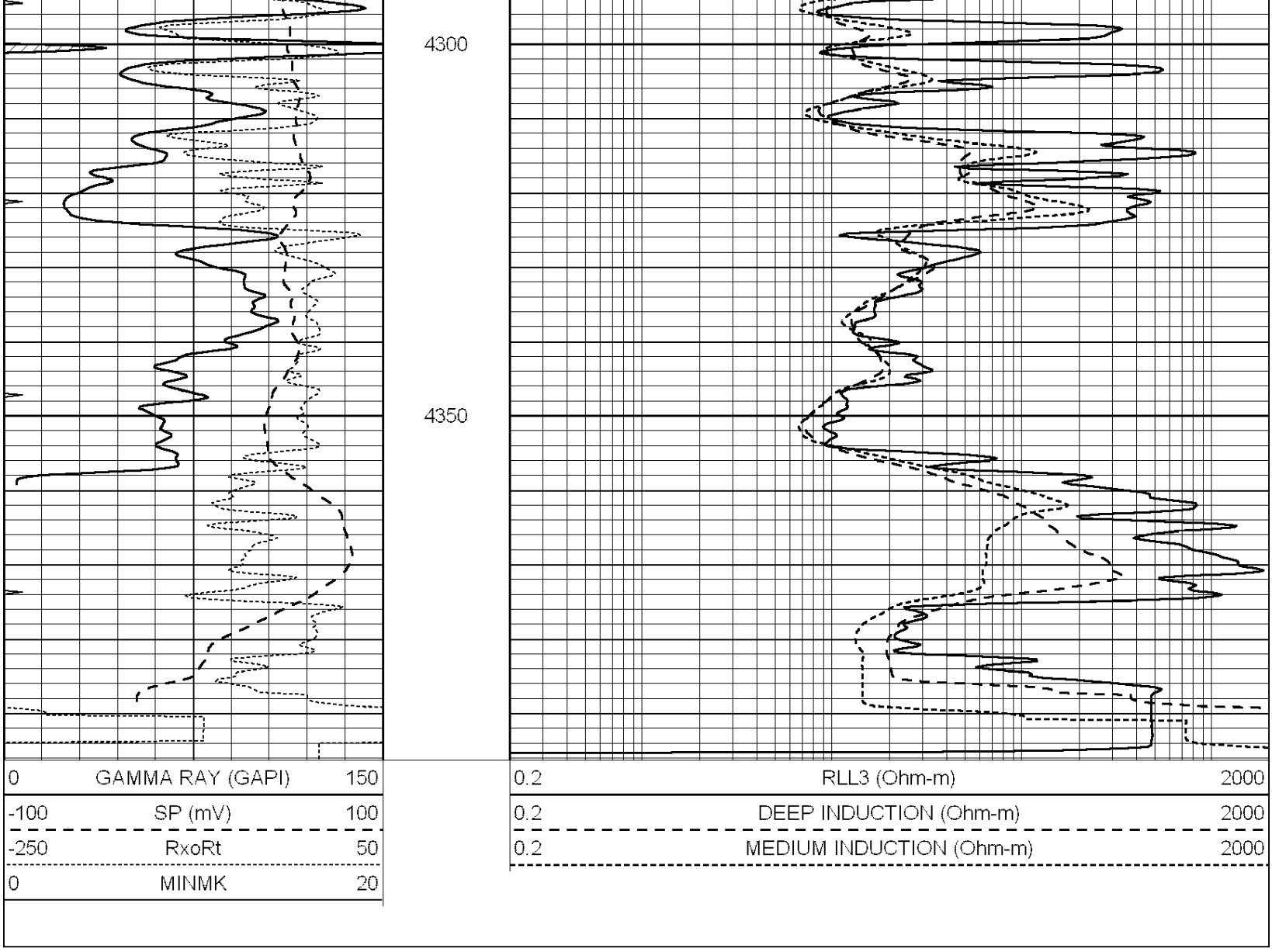
REPEAT SECTION

Database File:	23924ddn.db
Dataset Pathname:	pass3.2
Presentation Format:	_dil
Dataset Creation:	Mon Mar 24 10:21:08 2014 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000





Calibration Report

Database File: 23924ddn.db
Dataset Pathname: pass4.3
Dataset Creation: Mon Mar 24 11:30:50 2014 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: DIL3-GEAR
Performed: Wed Mar 05 17:42:55 2014

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	500.000	4.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	570.000	3.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.645	V	0.000	400.000	mmho/m	560.000	-1.071
Medium	0.007	0.740	V	0.000	462.500	mmho/m	540.000	-4.000

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
Source / Verifier: 147 / 147
Master Calibration Performed: Wed Mar 05 16:50:17 2014

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1211.27	625.92	cps
Aluminum	2.600	g/cc	267.11	413.26	cps

Spine Angle = 74.64 Density/Spine Ratio = 0.568

	Size		Reading	
Small Ring	8.20	in	5.18	V
Large Ring	14.00	in	8.18	V

Compensated Neutron Calibration Report

Serial Number: 080620
Tool Model: Probe

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number: 7
Tool Model: Probe1
Performed: Tue Mar 04 10:47:15 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.4500 GAPI/cps