



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1059214

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

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

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ 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 <i>(Amount and Kind of Material Used)</i>	Depth

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

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

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Norstar Petroleum, Inc.
Well Name	Curtis 1-24
Doc ID	1059214

All Electric Logs Run

CNL/CDL
DIL
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Norstar Petroleum, Inc.
Well Name	Curtis 1-24
Doc ID	1059214

Tops

Name	Top	Datum
Anhydrite	2741	+506
Heebner	4110	-863
Toronto	4130	-883
Lansing	4150	-903
Base K/C	4441	-1194
Ft. Scott	4607	-1360
Cherokee Sh	4627	-1380
Johnson	4710	-1463
Mississippi	4797	-1550



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Inc
6855 S Havana St Ste 250
Centennial, Colo
80112
ATTN: Brad Rein

Curtis #1-24
24-10-35 Thomas, Ks
Job Ticket: 43301 **DST#: 1**
Test Start: 2011.04.23 @ 21:30:22

Mud and Cushion Information

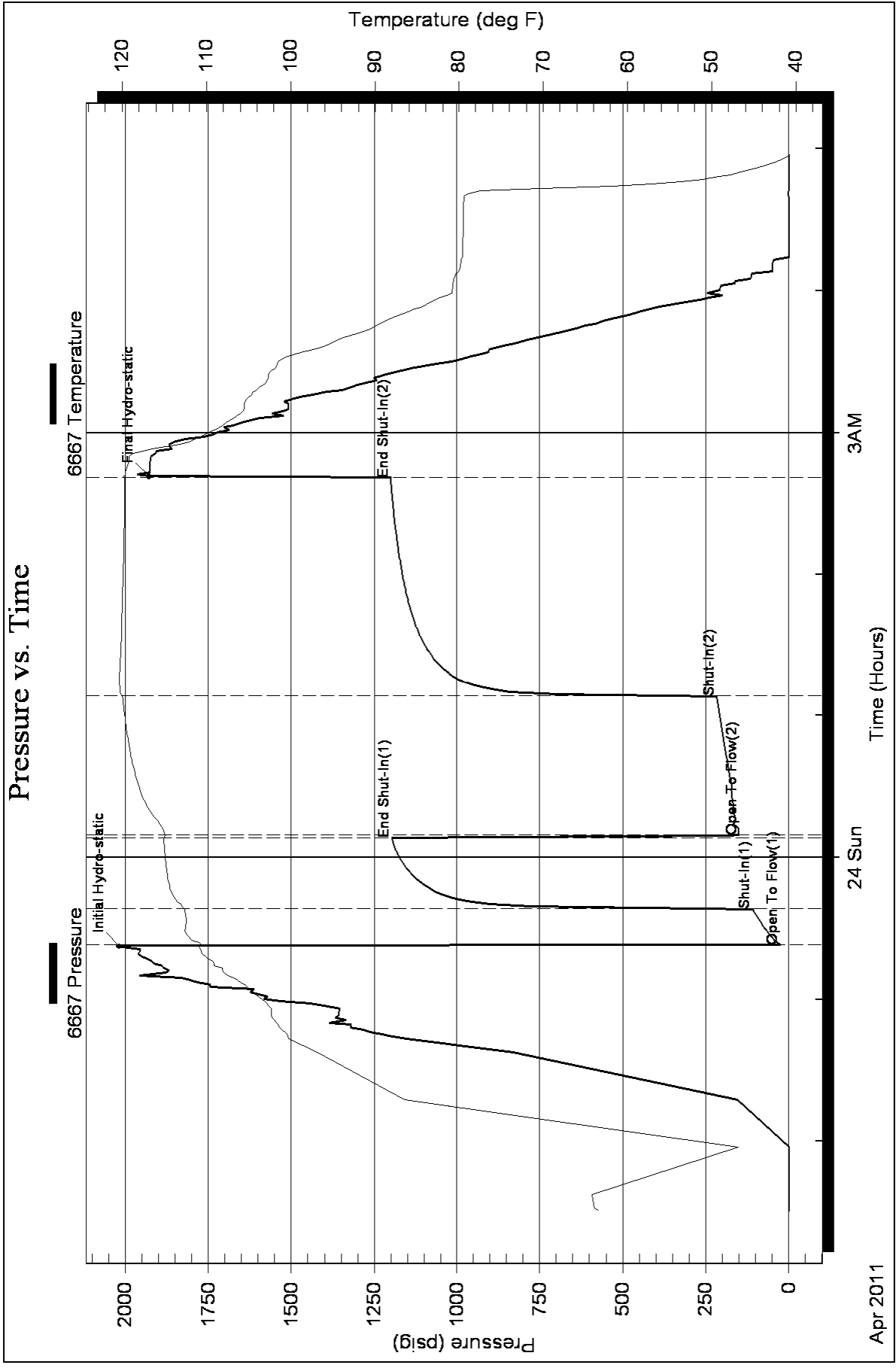
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 27000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.58 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	s m & o c w 5%m 45%o 50%w	2.845
80.00	m & w c o 20%m 40%w 40%o	1.122

Total Length: 440.00 ft Total Volume: 3.967 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: rw .361 @ 50*f= 27,000 chlor





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6855 S Havana St Ste 250
Centennial, Colo
80112
ATTN: Brad Rein

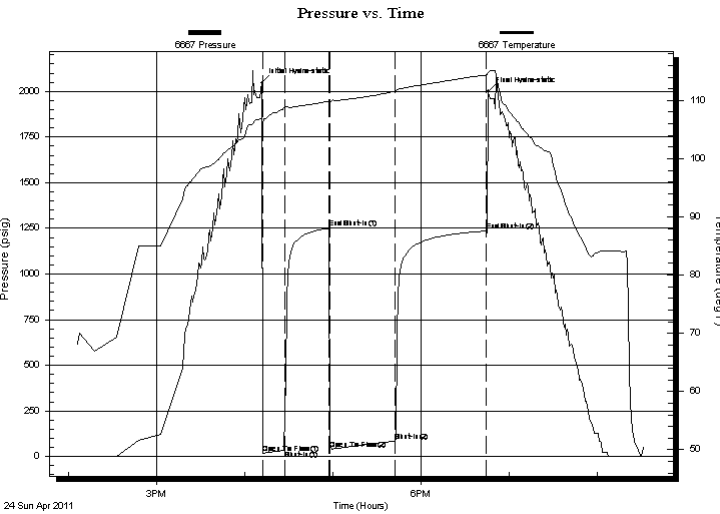
Curtis #1-24
24-10-35 Thomas, Ks
Job Ticket: 43302 **DST#: 2**
Test Start: 2011.04.24 @ 14:06:10

GENERAL INFORMATION:

Formation: **B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:11:55
Time Test Ended: 20:50:25
Interval: **4167.00 ft (KB) To 4196.00 ft (KB) (TVD)**
Total Depth: 4196.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 55
Reference Elevations: 3247.00 ft (KB)
3242.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6667 Inside
Press @ Run Depth: 85.37 psig @ 4168.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.04.24 End Date: 2011.04.24 Last Calib.: 2011.04.24
Start Time: 14:06:10 End Time: 20:32:25 Time On Btm: 2011.04.24 @ 16:11:40
Time Off Btm: 2011.04.24 @ 18:45:55

TEST COMMENT: 2" in blow
No return
2 3/4" in blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2046.02	107.08	Initial Hydro-static
1	18.88	105.86	Open To Flow (1)
16	34.50	108.71	Shut-In(1)
46	1250.48	109.87	End Shut-In(1)
46	40.53	109.60	Open To Flow (2)
91	85.37	111.56	Shut-In(2)
153	1235.48	114.39	End Shut-In(2)
155	1999.36	114.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	mc w 40% m 60% w w/oil spots	0.74

Gas Rates

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



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Inc
6855 S Havana St Ste 250
Centennial, Colo
80112
ATTN: Brad Rein

Curtis #1-24
24-10-35 Thomas, Ks
Job Ticket: 43302 **DST#: 2**
Test Start: 2011.04.24 @ 14:06:10

Mud and Cushion Information

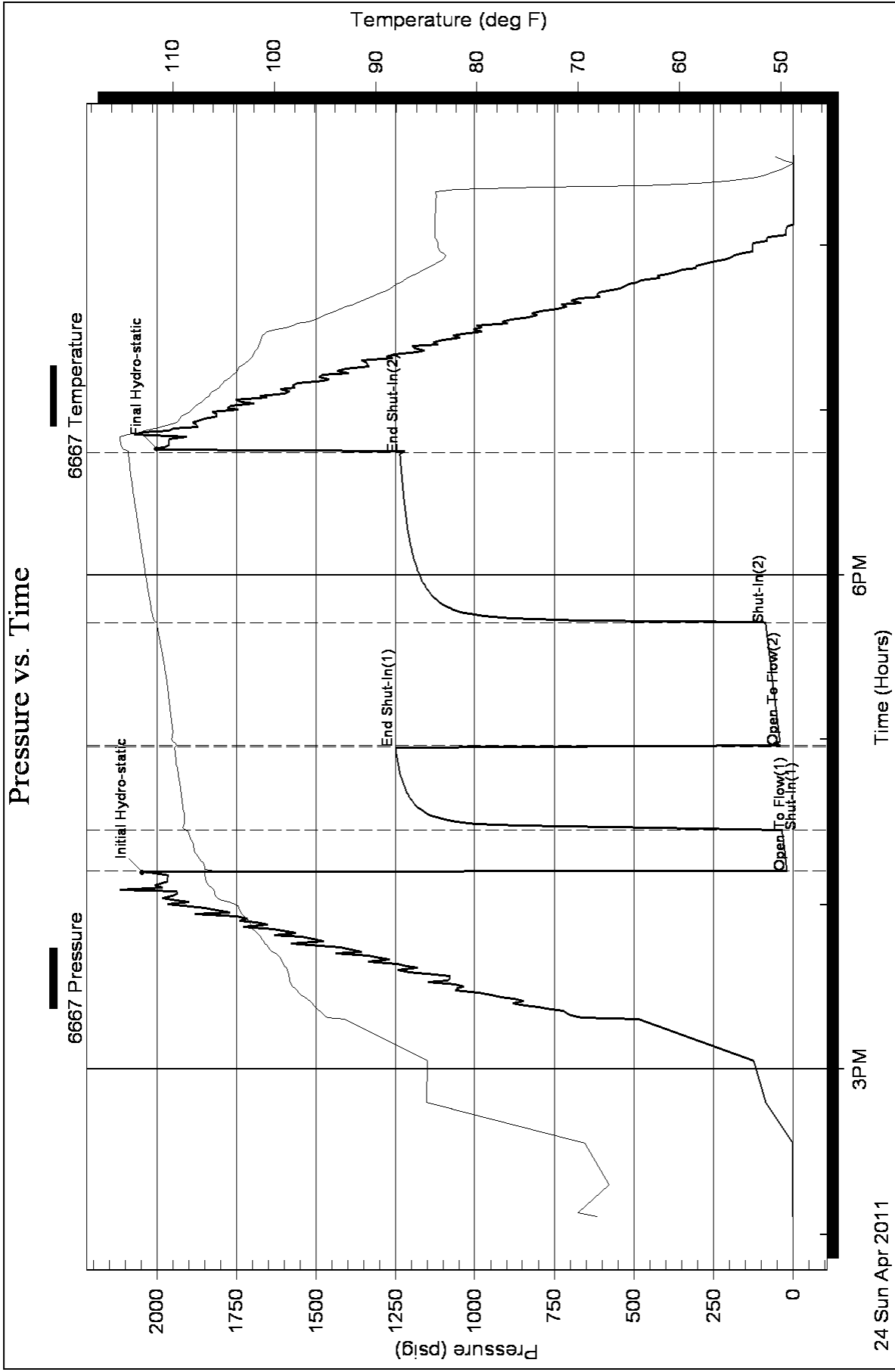
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 38000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 12.98 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	m c w 40% m 60% w w/oil spots	0.738

Total Length: 150.00 ft Total Volume: 0.738 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: rw .239 @ 55*f= 38,000 chlor





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Norstar Petroleum Inc
 6855 S Havana St Ste 250
 Centennial, Colo
 80112
 ATTN: Brad Rein

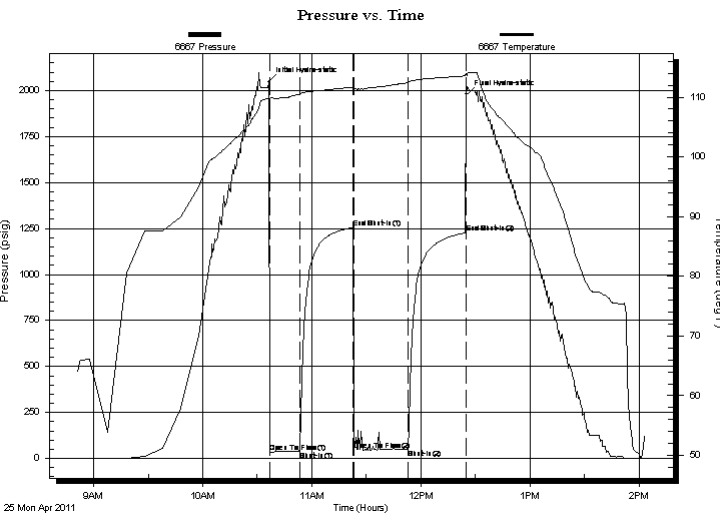
Curtis #1-24
24-10-35 Thomas, Ks
 Job Ticket: 43303 **DST#: 3**
 Test Start: 2011.04.25 @ 08:51:10

GENERAL INFORMATION:

Formation: **E-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:36:40
 Time Test Ended: 14:15:10
Interval: 4227.00 ft (KB) To 4255.00 ft (KB) (TVD)
 Total Depth: 4255.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3247.00 ft (KB)
 3242.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6667 Inside
 Press @ Run Depth: 51.81 psig @ 4228.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.04.25 End Date: 2011.04.25 Last Calib.: 2011.04.25
 Start Time: 08:51:10 End Time: 14:03:10 Time On Btm: 2011.04.25 @ 10:36:25
 Time Off Btm: 2011.04.25 @ 12:25:25

TEST COMMENT: Slid tool 8' to bottom 1 1/2" in blow died back to a surface blow 1/8" in
 No return
 No blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2046.19	109.89	Initial Hydro-static
1	34.44	109.31	Open To Flow (1)
17	40.52	110.48	Shut-In(1)
47	1254.75	111.67	End Shut-In(1)
47	43.62	111.35	Open To Flow (2)
77	51.81	112.42	Shut-In(2)
109	1227.30	113.58	End Shut-In(2)
109	1978.48	113.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100% m oil spots in tool	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Inc
6855 S Havana St Ste 250
Centennial, Colo
80112
ATTN: Brad Rein

Curtis #1-24
24-10-35 Thomas, Ks
Job Ticket: 43303 **DST#: 3**
Test Start: 2011.04.25 @ 08:51:10

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

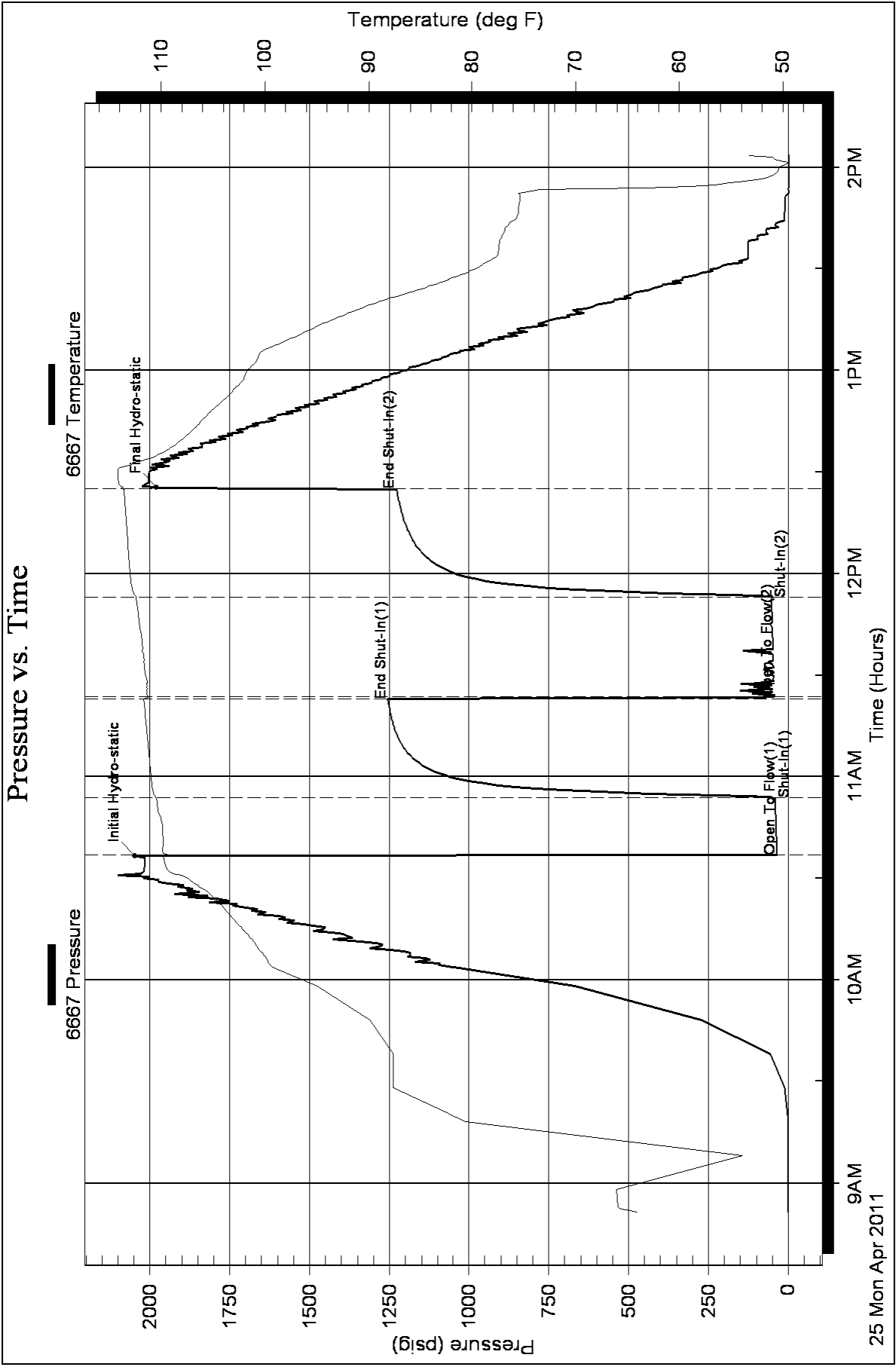
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100% oil spots in tool	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time





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Norstar Petroleum Inc
6855 S Havana St Ste 250
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ATTN: Brad Rein

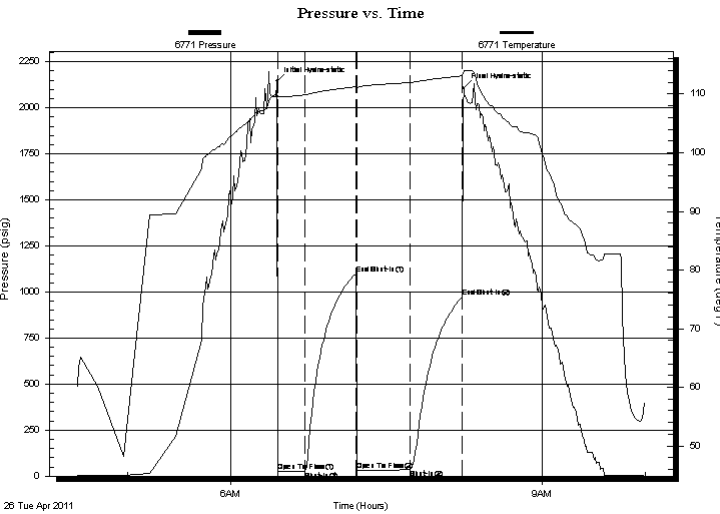
Curtis #1-24
24-10-35 Thomas, Ks
Job Ticket: 43304 **DST#: 4**
Test Start: 2011.04.26 @ 04:31:13

GENERAL INFORMATION:

Formation: **H-I-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:26:58
Time Test Ended: 10:15:58
Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 55
Interval: **4295.00 ft (KB) To 4380.00 ft (KB) (TVD)**
Reference Elevations: 3247.00 ft (KB)
Total Depth: 4380.00 ft (KB) (TVD) 3242.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6771 Outside
Press @ RunDepth: 34.65 psig @ 4296.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.04.26 End Date: 2011.04.26 Last Calib.: 2011.04.26
Start Time: 04:31:13 End Time: 09:59:58 Time On Btm: 2011.04.26 @ 06:26:43
Time Off Btm: 2011.04.26 @ 08:14:43

TEST COMMENT: 1/4" in blow died back to a weak surface blow
No return
No blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.09	110.08	Initial Hydro-static
1	23.47	109.48	Open To Flow (1)
17	27.22	109.89	Shut-In(1)
46	1099.92	111.27	End Shut-In(1)
47	30.01	111.10	Open To Flow (2)
77	34.65	112.00	Shut-In(2)
108	975.48	113.11	End Shut-In(2)
108	2108.00	113.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m w/oil spots	0.05

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

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6855 S Havana St Ste 250
Centennial, Colo
80112
ATTN: Brad Rein

Curtis #1-24
24-10-35 Thomas, Ks
Job Ticket: 43304 **DST#: 4**
Test Start: 2011.04.26 @ 04:31:13

Mud and Cushion Information

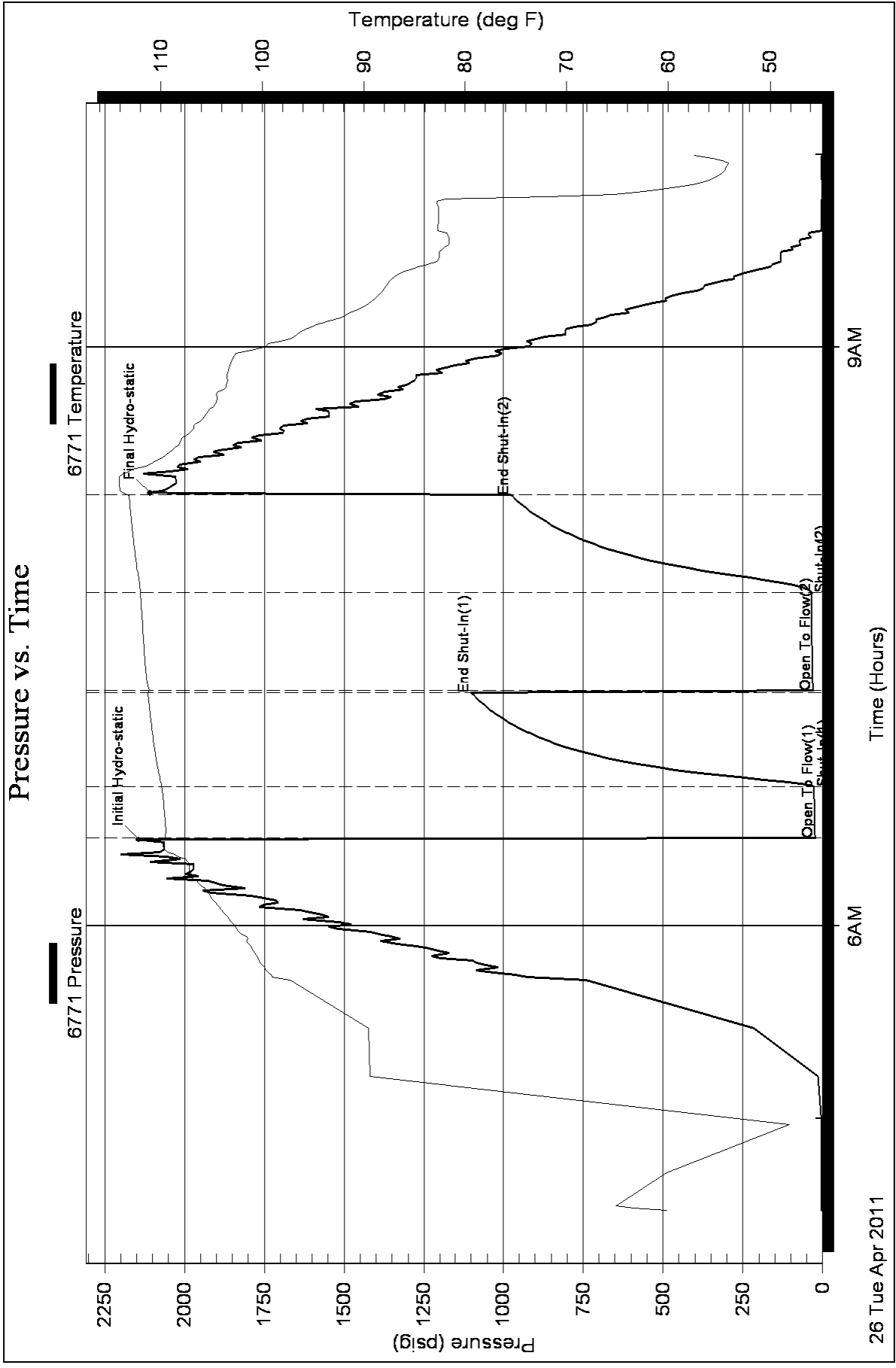
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100% m w /oil spots	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Norstar Petroleum Inc
 6855 S Havana St Ste 250
 Centennial, Colo
 80112
 ATTN: Brad Rein

Curtis #1-24
24-10-35 Thomas, Ks
 Job Ticket: 43305 **DST#: 5**
 Test Start: 2011.04.27 @ 21:05:59

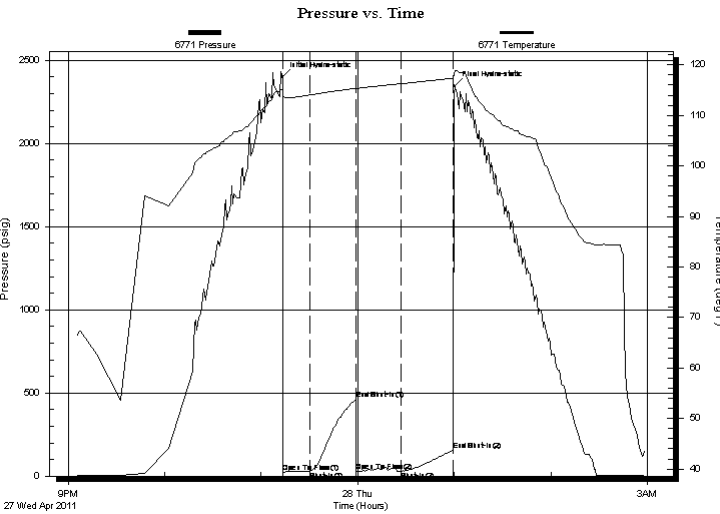
GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:13:29
 Time Test Ended: 03:20:14
 Interval: **4657.00 ft (KB) To 4744.00 ft (KB) (TVD)**
 Total Depth: 4744.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3247.00 ft (KB)
 3242.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6771 Outside

Press @ Run Depth: 31.89 psig @ 4658.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.04.27 End Date: 2011.04.28 Last Calib.: 2011.04.28
 Start Time: 21:05:59 End Time: 02:58:14 Time On Btm: 2011.04.27 @ 23:13:14
 Time Off Btm: 2011.04.28 @ 01:00:14

TEST COMMENT: Weak blow died in 6 min.
 No return
 No blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2402.04	115.10	Initial Hydro-static
1	25.47	114.09	Open To Flow (1)
17	27.40	114.04	Shut-In(1)
46	460.74	115.36	End Shut-In(1)
46	29.79	115.24	Open To Flow (2)
74	31.89	116.28	Shut-In(2)
106	156.71	117.35	End Shut-In(2)
107	2345.69	118.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	heavy mud 100%m	0.05

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

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6855 S Havana St Ste 250
Centennial, Colo
80112
ATTN: Brad Rein

Curtis #1-24
24-10-35 Thomas, Ks
Job Ticket: 43305 **DST#: 5**
Test Start: 2011.04.27 @ 21:05:59

Mud and Cushion Information

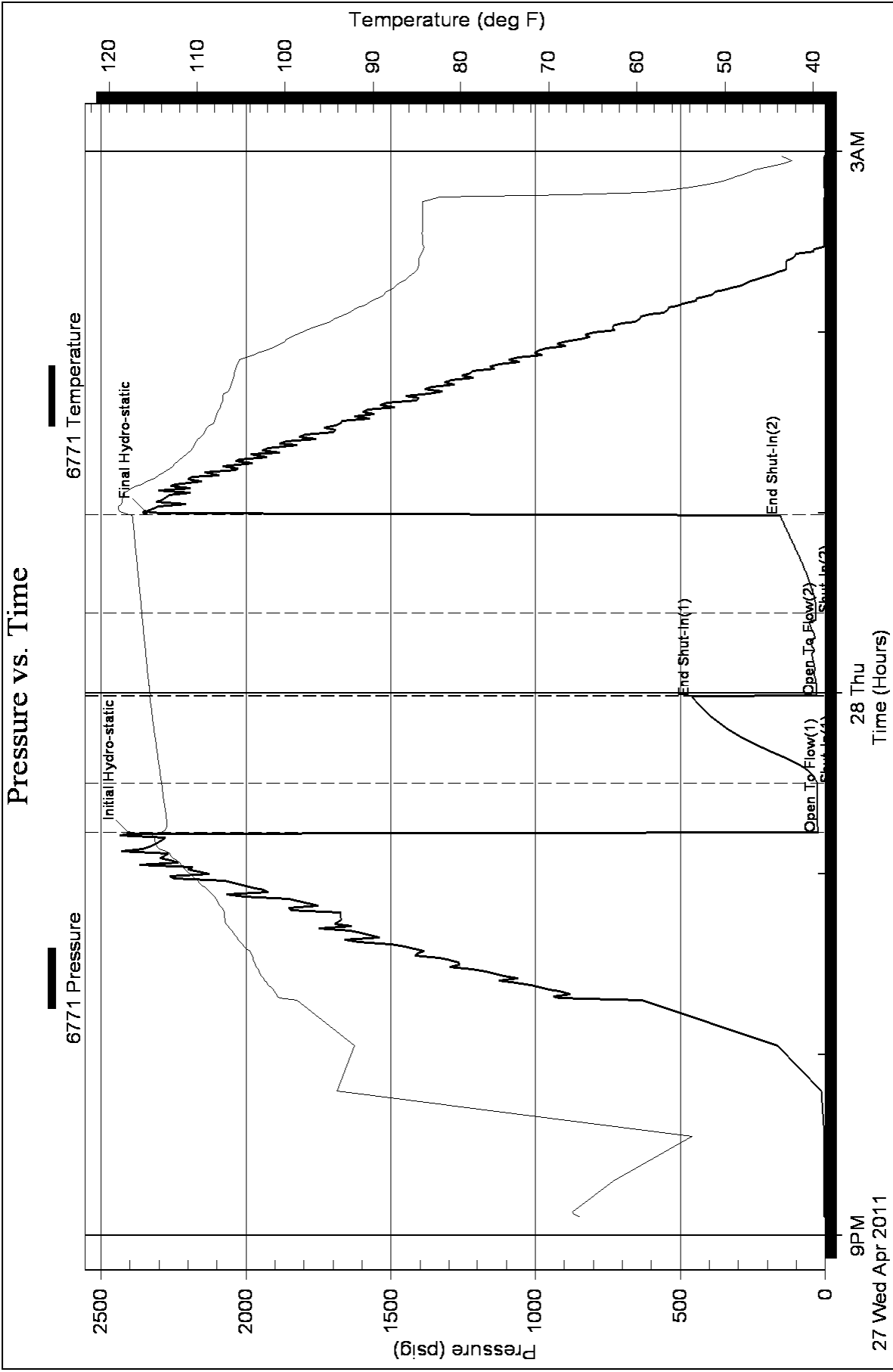
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.57 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 4500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	heavy mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



M. BRADFORD RINE

Certified Petroleum Geologist - A.A.P.G. #2647

100 S. Main Suite 415

Wichita, Ks 67202

(316)262-5418

GEOLOGIST'S REPORT

COMPANY	NORSTAR PETROLEUM, INC.	API: 15-193-20794
LEASE	CURTIS #1-24	ELEVATIONS
FIELD	WILDCAT	KB 3247 FEET
LOCATION	1712'FNL & 1290'FEL	DP 3245 FEET
SECTION	24 TOWNSHIP 10S RANGE 35W	GL 3242 FEET
COUNTY	THOMAS STATE KANSAS	MEASUREMENTS ARE ALL FROM: KB
CONTRACTOR	MALLARD DRILLING CO.	CASING
COMMENCED DRILLING	APRIL 19, 2011	8-5/8"23# @ 260'
COMPLETED DRILLING	APRIL 29, 2011	4-1/2" CSG SET
RTD	4870 FEET LTD 4870 FEET	ELECTRICAL SURVEYS
MUD UP AT	3691 FEET MUD TYPE CHEM	D/N/PE SUITE
		IND SUITE
		SONIC, MICRO

SAMPLES SAVED FROM 3900 FEET TO 4870 FEET

DRILLING TIME KEPT FROM 3800 FEET TO 4870 FEET

SAMPLES EXAMINED FROM 3900 FEET TO 4870 FEET

GEOLOGICAL SUPERVISION FROM 3800 FEET TO 4870 FEET

NOTES: PLEASE NOTE ADDITIONAL DRILLING AND GEOLOGICAL INFORMATION ON THE FOLLOWING "HEADER" PAGES.

REMARKS: Based on sample observations, drill stem test results, electric log evaluation, it was the decision of the Operator to set production casing in the "Curtis @ 1224' on April 29, 2011

Respectfully submitted,
M. Bradford Bine

M. Bradford Bine, Lic # 204
 04/29/11

DAILY PENETRATION

DATE	DEPTH	DEPTH
04-18-11	TEST	0'
04-19-11	Ru, Spud	0'
04-20-11	Drlg	528'
04-21-11	Drlg	2296'
04-22-11	Drlg	3288'
04-23-11	Drlg	3921'
04-24-11	TRK. After DST 1	4145'
04-25-11	TRK. After DST 3	4255'
04-26-11	After DST 4	4380'
04-27-11	Drlg	4598'
04-28-11	Drlg	4738'

HIT RECORD

NUMBER	SIZE	NAME	TYPE	DEPTH	DEPTH	DEPTH	HOURS
1	12 1/4"	Smith	RR	260'	260'		N.I.
2	7 1/2"	Smith	ERT	4870'	4110'		109

Surveys: 1/4° 260'
 1 3/4° 4145'
 1/4° 4380'
 3/4° 4870'

GENERAL INFORMATION

Rep: *McKard*
 Pump: *Erasco* D-395
 Drawworks: *BDW*
 Collars: *526'*
 Drillpipe: *4 1/2" N.L. #*
 Tool joints: *Laura Wilson*
 Mud: *Andy's (no service)*
 Gas Detector: *Kent*
 DST's: *Taladite (Shane McBride)*
 E-logs: *Superior (Jeff Swarows)*
 Water: *well at Mullin Kuhn lease (SW 18)*
 Co-Operator: *Alma (Bob Kider)*
 Field: *(Dawn Paddy)*

FORMATION TOPS

FORMATION TOPS	SAMPLE TOPS	ELECTRIC LOG TOPS	SUBSEA DATUM	STRUCT. REF.
ANHYDRITE	2942	2741	1506	+15
B/ANHYDRITE	2791	2769	1478	+16
TORONTO	3957	3956	-709	+20
HEBNER SH	4111	4110	-863	+17
TORONTO	4131	4130	-883	+25
LANSING	4151	4150	-903	+20
MUNDIE CREEK SH	4301	4299	-1052	+13
STARK SH	4384	4381	-1134	+14
B/KANSAS CITY	4443	4441	-1194	+10
MARATHON	4500	4486	-1239	+22
ALTA MONT	4544	4543	-1296	+14
PAWNEE	4582	4577	-1330	+18
FT SCOTT	4605	4607	-1360	+17
CHESTER SH	4622	4627	-1380	+16
JOHNSON	4711	4710	-1463	+15
MORROW	4756	4754	-1507	+16
MISSISSIPPI	4798	4797	-1550	+29
TOTAL DEPTH	4870	4870	-1623	-

REFERENCE WELL: *Mullin Kuhn SW 18*

EST # 1 INTERVAL: 4108 - 4145

FORMATION: Toronto

TIMES: 15-30-60-90

INITIAL BLOW: Fr. built to 8 1/2"

FINAL BLOW: 54.6-6.6 41 min

RHP 2017 RFP 1928

IRP 25-108 RFP 148-215

ISIP 1198 RSP 1200

TEMPERATURE: 120°F

REC: 440' Tank Fluid w/fo mud

So. mass: 305 40% 40% 30%

360' smms: - 45% 50% 0%

(Nech. Thick oil)

EST # 2 INTERVAL: 4117 - 4192

FORMATION: 159 B

TIMES: 15-30-45-60

INITIAL BLOW: wd. built to 2 1/2"

FINAL BLOW: wd. built to 2 3/4" 1 1/2

RHP 2046 RFP 1999

IRP 18-34 RFP 40-85

ISIP 1250 RSP 1235

TEMPERATURE: 119°

REC: 150' msufoilspeck: 68 built 90 min

Call mud seep pm. Chalk 38,000 ppm

EST # 3 INTERVAL: 4227 - 4255

FORMATION: 159 E-F

TIMES: 15-30-30-30

INITIAL BLOW: wd. built to 1 1/2" - 2 1/2" to 4"

FINAL BLOW: None

RHP 2046 RFP 1978

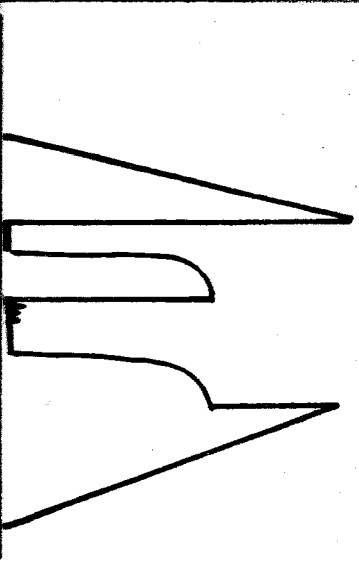
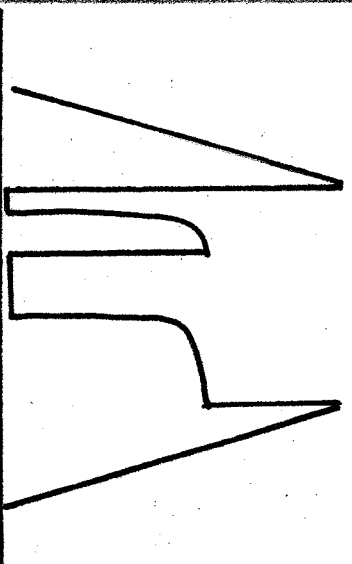
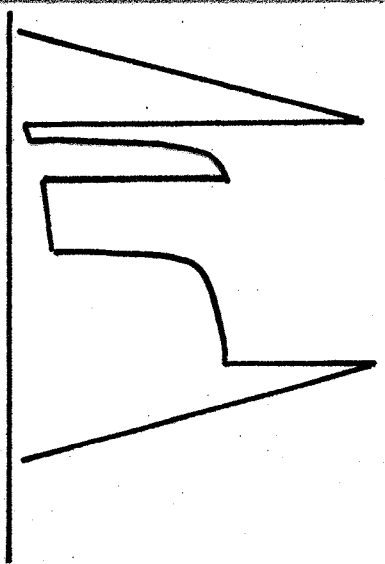
IRP 34-40 RFP 43-51

ISIP 1254 RSP 1227

TEMPERATURE: 114°F

REC: 60' mud/oil spots in hole

Some cuttings in hole, some plugging
est 2nd F.P.



EST # 4 INTERVAL: 4295 - 4380

FORMATION: 159 K, L, J

TIMES: 15-30-30-30

INITIAL BLOW: wd. built to 4 1/2" tied back

FINAL BLOW: None

RHP 2143 RFP 2108

IRP 23-27 RFP 30-34

ISIP 1099 RSP 915

TEMPERATURE: 113°F

REC: 10' mud/oil spots

EST # 5 INTERVAL: 4457 - 4744

FORMATION: Johnson

TIMES: 15-30-30-30

INITIAL BLOW: wd. died 1 min

FINAL BLOW: None

RHP 2402 RFP 2345

IRP 25-27 RFP 29-31

ISIP 460 RSP 156

TEMPERATURE: 117°F

REC: 10' mud

EST # 6 INTERVAL: _____

FORMATION: _____

TIMES: _____

INITIAL BLOW: _____

FINAL BLOW: _____

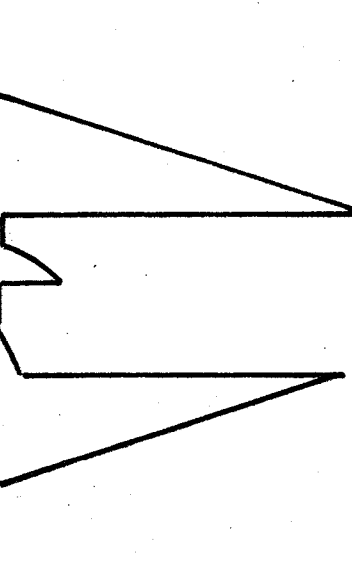
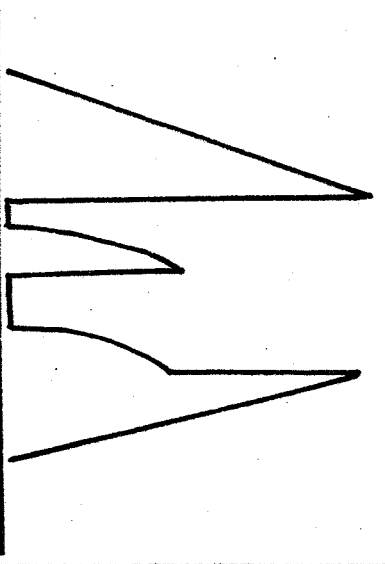
RHP _____ RFP _____

IRP _____ RFP _____

ISIP _____ RSP _____

TEMPERATURE: _____

REC: _____



3800

50

3900

50

4000

7:00 AM
04-23-11

TOPEKA

3920' spl: 99% Red beds,
99% shales: earthy-subsilty
subfoss

Ls wh-cr,
Fm. med. to fine,
x/lr B, foss

Ls wh-cr. tan
Fm. med. to fine,
scatt trans calc patches,
foss

Shak 94
some siltst & silty
shale

Ls wh-cr
Fm. med. to fine, x/lr B,
scatt calc. lthy
foss in p
Fr. 90' crush

n.s.

Ls wh-cr
Fm. med. to fine, x/lr B,
subgrainy-grainy text
in pt, foss

Ls wh-cr
Fm. med. to fine, x/lr B-dus

sh blk, carb

Siltstone & Shale
94, red, brownish
silty shale to shaly siltst
soft

n.s.

sh 94

Ls wh-cr
Fm. med. to fine, x/lr B,
subgrainy text. in pt,
foss

50

Ls wh-cr-lm
fx in, pr x in, foss
ool in pt, foss

Ls wh-cr, ool-packed
fx in, pr x in, foss
ool in pt, foss
soft, pr inter ool

Ls wh-cr-lm
fx in, pr x in, silty to grainy text. in pt,
Ab. scatt cr, calcite
foss & patches, N.S.

Sh black, carb
Ls cr. fm, dms
Sh 94 - banish - reddish

Ls wh-cr (md) ool, some
well-cem, Mod Amt of
sli x in in inter-ool
cem with scatt inter-ool
pp

Sh 94 - grayish-red, varieg.
in pt, subarky to
silty

Ls wh-cr
fx in, mix of chalky &
subarky: mushy-soft
& well-cem pack'd ool in
pr x in cement, hr
scatt pyritic ls N.S.

Sh v.c.: red, gy, gra

Ls wh-cr - ool, ool in pt,
fx in, pr x in, ool-packed
ool in pt, cement, scatt inter-ool
sli x in, pp

Ls wh-cr
fx in, pr vis x in to
chalky
Sh 94, gra, subsilty in pt

Ls cr-pl 93
fx in, mostly pr vis x in
some cr, some dms N.S.

Ls cr-pl 94 (logom text
in pt) fx in, pr x in, gd
x in, scatt pp
Rt Foss, scatt calcite patches N.S.

Sh 94 - blk, carb in pt

Ls cr-lm, dms with
scatt patches of pr x in
& pp, foss in pt, some
fx in, scatt

Sh 94
Ls wh-cr
fx in, mostly dms with
scatt patches of pr x in
& pp, foss

Ls wh-cr
ool-packed ool,
loosely cem to well-cem.
Scatt inter-ool pp & x in
Some weath'd ool - some ool
(poss 1-2 pcs / on patch str) N.S.

Ls cr-94 (logom) subsuc.
text. in pt, Rt Foss
pr vis x in, ool in pt N.S.

Ls cr-pl 94
v in - fx in, dms, sli, foss

HEEBNER SH

TORONTO

LANSING

7:00 AM
44-24-11

Vis
wt
UL
PH
CAL

4200

7:00 AM
04-25-11

DST

DST1: 4108-4145
15-30-60-90
Rec: 80' moca
360' smoca
IFP: 25-108
LSIP: 1198
FFP: 148-215
FSIP: 1200

4171-38: Toronto
V. Fat. Odor, Scatt Dull Flour,
Ab. Amt of Dk inter-ool str
with Fr Show of Dk Hwy
NVL oil and sli Show of
Brn F.O.

DST2: 4167-4196
15-30-45-60
Rec: 150' moca
IFP: 18-34
LSIP: 1280
FFP: 40-85
FSIP: 1235

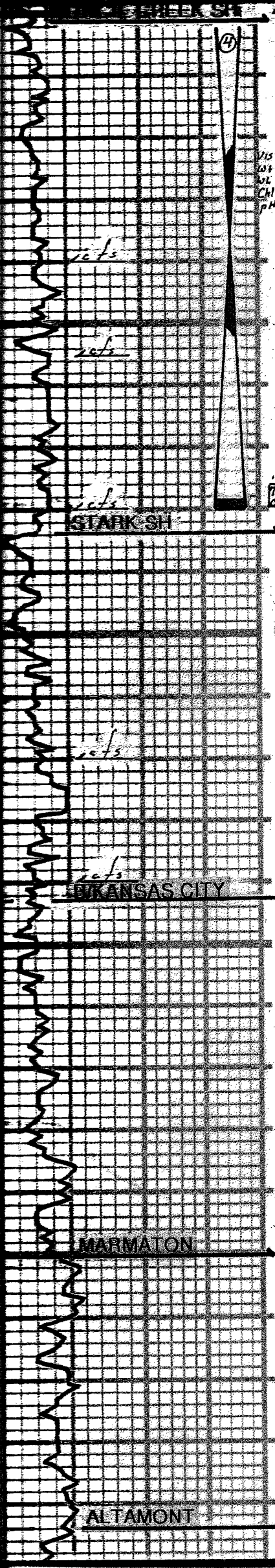
4183-94: LSS "B"
No Odor, No Flour,
Mod. amt of pcs with sli.
Fr Show of: Blk Tarry Oil,
Dk Brn NVL oil, and Brn
Hwy F.O., Rt pcs sli. SASTY

DST3: 4227-4255
15-30-30-30
Rec: 60' mud/oil spots
IFP: 34-40
LSIP: 1264
FFP: 43-51
FSIP: 1227

4235-41: LSS "F"
V. Fat. Odor, Rt Spotty Dull Flour,
In low pcs: Spotty Patchy Blk-
Dk Brn Str. Rt even Dk Str
with Fr Show Blk Resid - Dk
Brn Tarry Oil, Rt pcs with
sli. Show Dk Hwy F.O.

4250-14: LSS "F"
No Odor, V. Rt Dull Flour,
Scatt patches eps with Dk
Brn Spotty - Patchy to V. Rt
Even Brn Str of Tarry - DA
with Rt V. sli Show Dk F.O.

DST4: 4295-4380
15-30-30-30
Rec: 10' mud/oil spots
IFP: 23-27
LSIP: 1099
FFP: 30-34
FSIP: 975



Sh black, carb
 ls con-tan, dms
 sh 99-99
 subilty in pt
 ls wh-cr
 fawn, mostly das, v
 minor % of pec with patches
 traces of pr x ln p, sli foss,
 Rr poor ppt
 ls wh-cr-ppt
 v. fa-faxln, das, foss
 sh 99-black
 carb in pt
 ls cr-pt 99
 fawn, mostly das, Scott pr-
 pr x ln p, Scott ppt & vugs
 foss, some foss-mold sh
 sh 99-grn-red-brn
 ls wh-cr-fawn
 v. fa-faxln, mostly das
 & firm, some subchaly
 & softer, sli-foss
 Rr pec with patches
 of pr x ln p
 sh black, carb
 ls tan, v. faxln, dac
 sh 99-grn, l
 calc in pt
 ls wh-cr-fawn-99
 fawn, some re-con.
 cr. vugs & foss, Rr
 patches pr x ln p, some
 ool pec. well con.
 sh black, carb
 (poorly repres. in spls)
 sh 99
 ls wh-cr-fawn
 v. fa-faxln, foss,
 das, Rr y. pi x ln p, n.s.
 Rr oo
 ls wh-cr-fawn
 fawn, das, foss,
 ool in pt
 subchaly in pt
 pyritic in pt
 ls wh-cr-ppt 99
 v. fa-faxln, das
 sh grn, subilty text
 ls wh-cr-ppt 99
 v. fa-faxln, das
 sli foss in pt n.s.
 sh green s
 subilty-silty in pt
 ls cr-fawn
 v. fa-faxln, das
 foss n.s.
 sh 99-grn
 ls wh-cr-ppt 99
 v. fa-faxln, das n.s.
 sh 99-grn
 ls wh-cr-fawn-99

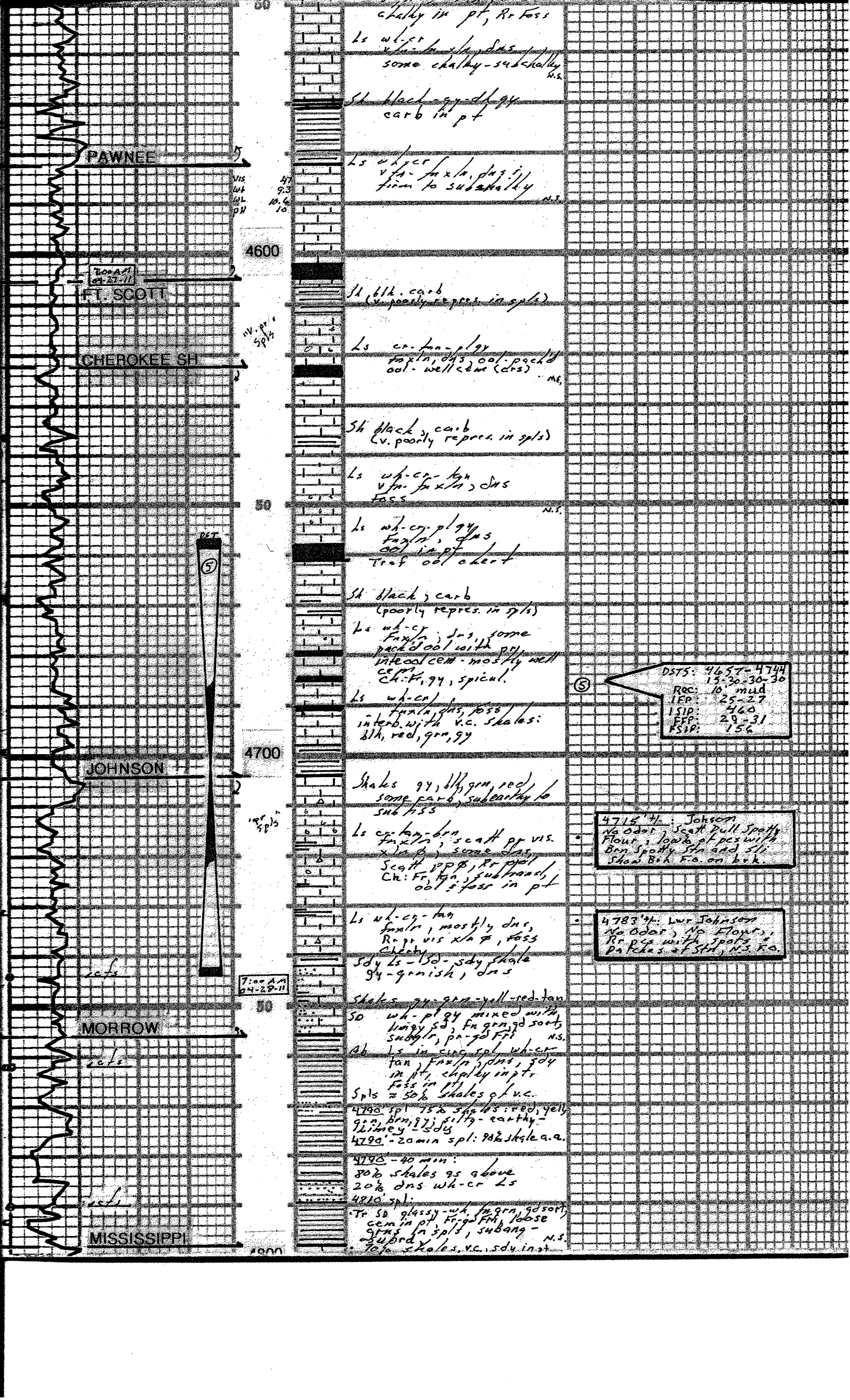
4321 ft.: LKC H
 No odor (roughneck claims
 faint odor of ppt)
 v. Rr specks of Duff Flour
 v. low fawn with patches of
 spotty tan-brn silt, trace
 show of fo. in Rr pcs

4345 ft.: LKC F
 No odor, Scott Mod-Bit Flour
 Moderate amt of pec with
 spotty patchy-Even Sta with
 sli-fawn-stain, D.O., NUL oil &
 Brn F.O.

4360 ft.: LKC J
 No odor, Rr Brt Patchy Flour
 Rr Brn patchy silt with
 sli show Brn F.O. on Brk

4405 ft.: LKC K
 No odor, Rr spotty Duff Flour,
 few pec. pr. stain with
 spotty patches of silt with
 v. sli show oil scum & fo.

4450 ft.: No odor?
 found a few pec with lt tan
 patchy stain, No show f.o.



PAWNEE

vis
wt
10.6
10

chally in pt, Rr foss
Ls wh-cr
some chally-subchally
sh black & carb
carb in pt

FT. SCOTT

4600

Ls wh-cr
v. fine, dgs, i, j
firm to subchally

CHEROKEE SH

11% sp's

sh blk. carb
(v. poorly repres. in spl's)

Ls cr. tan-plgy
fine, dgs, ool. packed
ool. well cem (dgs)

sh black & carb
(v. poorly repres. in spl's)

Ls wh-cr-tan
fine, dgs, foss

Ls wh-cr-plgy
fine, dgs, ool
ool in pt
Trat ool chert

sh black & carb
(poorly repres. in spl's)

Ls wh-cr, dgs, some
packed ool with ppt
interool cem - mostly well
cem
Ch: Fr, gy, spicul.

Ls wh-cr
fine, dgs, foss
interb. with v.c. scales:
blk, red, grn, gy

JOHNSON

4700

shales gy, blk, grn, red
some carb, subchally to
sub n.s.

Ls cr. tan-brn, scatt ppt vis.
fine, some dgs
scatt ppt, Rr ppt
Ch: Fr, tan, subtrans,
ool & foss in pt

Ls wh-cr-tan
fine, mostly dgs,
Rr ppt vis xln & foss
cherty

sdv Ls - 15d - sdv shale
gy-grn, dgs

shales gy-grn-yell-red-tan
wh-pl gy mixed with
limy sd, fr grn, gd sort,
subgr, pr-gd Ffr

Ab Ls in circ spl wh-cr
tan, fine, dgs, sdv
in pt, chally in pt,
foss in pt

Spl's ~ 50% shales of v.c.
4790 spl 75% spl's red, yell,
gn, brn, gy; silty-earthly -
limy - sdv

4790 - 20 min spl: 90% shale a.a.
4790 - 40 min:
80% shales 95 above
20% dgs wh-cr Ls

4810 spl:
Tr sd glassy-wh, fr grn, gd sort,
cem in pt, fr, gd Ffr, loose
grns in spl's, subang -
subord

MORROW

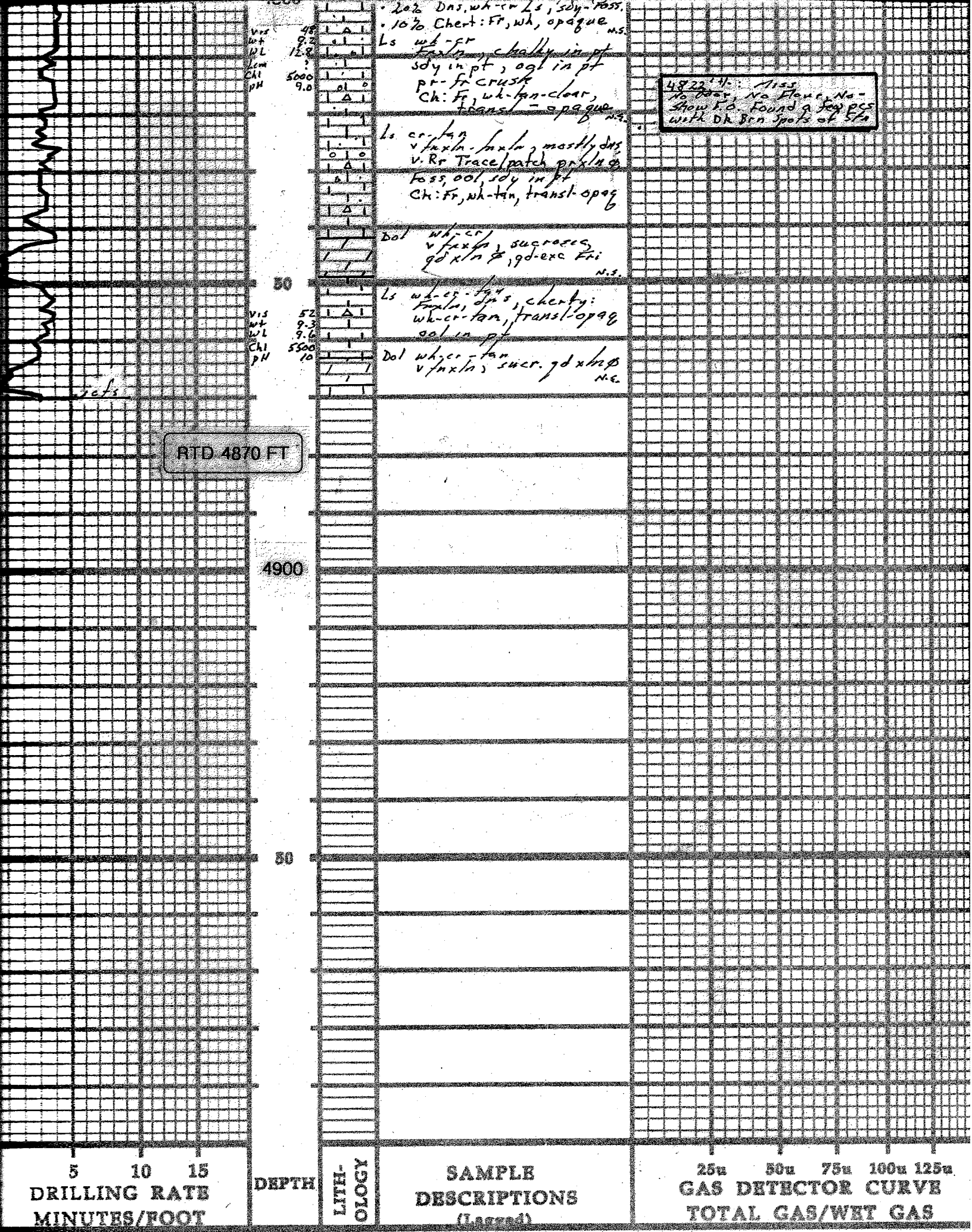
7:00 Am
24-28-11

MISSISSIPPI
70% shales, v.c. sdv in pt

DST: 4657-4744
15:30-30-30
REC: 10 mud
LEP: 25-27
ISIP: 460
FFP: 29-31
FSIP: 156

4715 ft. Johnson
No odor, scatt dull Spotty
Flour, low of pes with
Brn Spotty sh and sli
Show Blk. F.O. on buk.

4783 ft. Lwr Johnson
No odor, No Flour,
Rr ppt with spots &
Pa Relas of str, n.s. F.O.



20% Dns, wh-cr Ls, soy-foss.
 10% Chert: Fr, wh, opaque n.s.
 Ls wh-fr
 Fr, cherty in pt
 soy in pt, ool in pt
 Pr-fr CRUST
 Ch: Fr, wh-tan-clear,
 transl-opaque n.s.
 Ls cr-tan
 v. fxtln. fxtln, mostly Dns,
 v. Rr Trace/patch pxtln of
 foss, ool, soy in pt
 Ch: Fr, wh-tan, transl-opaq
 Dol wh-cr
 v. fxtln, sucrose,
 gd xln & 19d-exc Fri n.s.
 Ls wh-cr-tan, cherty:
 fxtln, Dns, transl-opaq
 ool in pt
 Dol wh-cr-tan
 v. fxtln, suc. gd xln n.s.

4822' H: Miss
 No Flow, No Flow, No -
 Show F.O. Found a few pcs
 with Dk Brn Spots of 5ft

RTD 4870 FT

5 10 15
 DRILLING RATE
 MINUTES/FOOT

DEPTH

LITH-
OLOGY

SAMPLE
 DESCRIPTIONS
 (Logged)

25u 50u 75u 100u 125u
 GAS DETECTOR CURVE
 TOTAL GAS/WET GAS



SUPERIOR
Hays,
Kansas

**DUAL
INDUCTION
LOG**

Company NORSTAR PETROLEUM, INC.
Well CURTIS #1-24
Field WILDCAT
County THOMAS
State KANSAS

Company NORSTAR PETROLEUM, INC.
Well CURTIS #1-24
Field WILDCAT
County THOMAS State KANSAS

Location: API # : 15-193-20794-0000
1712' FNL & 1290' FEL
SEC 24 TWP 10S RGE 35W
Permanent Datum GROUND LEVEL Elevation 3242
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Elevation
K.B. 3247
D.F. 3245
G.L. 3242

Date	4/28/11
Run Number	ONE
Depth Driller	4870
Depth Logger	4870
Bottom Logged Interval	4868
Top Log Interval	0
Casing Driller	8 5/8" @ 260'
Casing Logger	
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/52
pH / Fluid Loss	10.0/9.6
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.43 @ 80F
Rmf @ Meas. Temp	0.32 @ 80F
Rmc @ Meas. Temp	0.52 @ 80F
Source of Rmf / Rmc	MEASURED
Rim @ BHT	0.28 @ 124F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	124F
Equipment Number	680
Location	HAYS, KS.
Recorded By	JEFF GRONEMEG
Witnessed By	BRAD RINE

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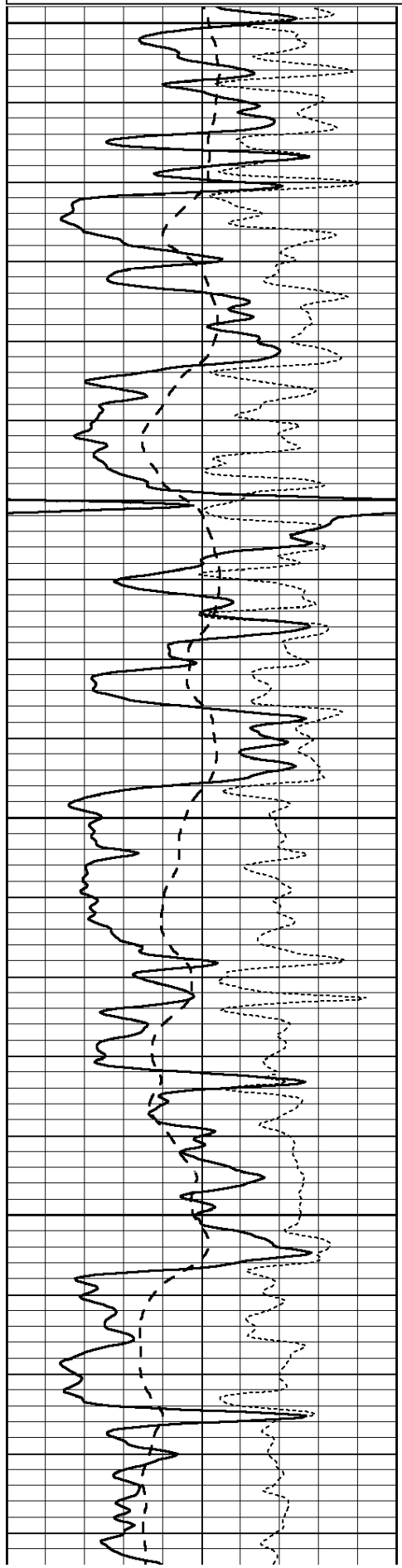
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

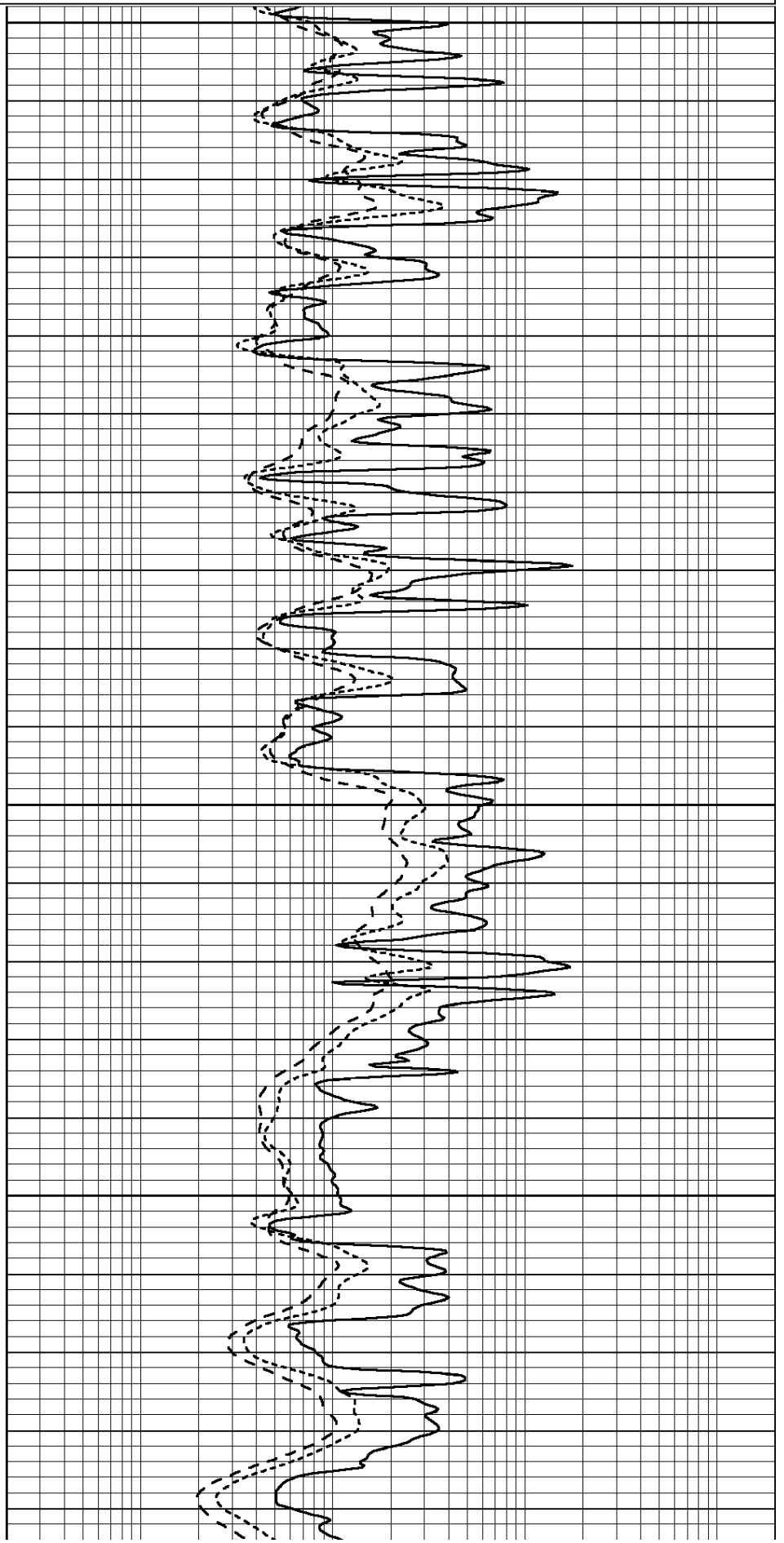
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
OAKLEY, KS - 16 MILES WEST FROM INTERSECTION OF HWYS 40 & 83
3 NORTH ON RD 280 TO T IN ROAD - 1 MILE WEST TO TH 13
2 1/2 MILES NORTH - WEST INTO

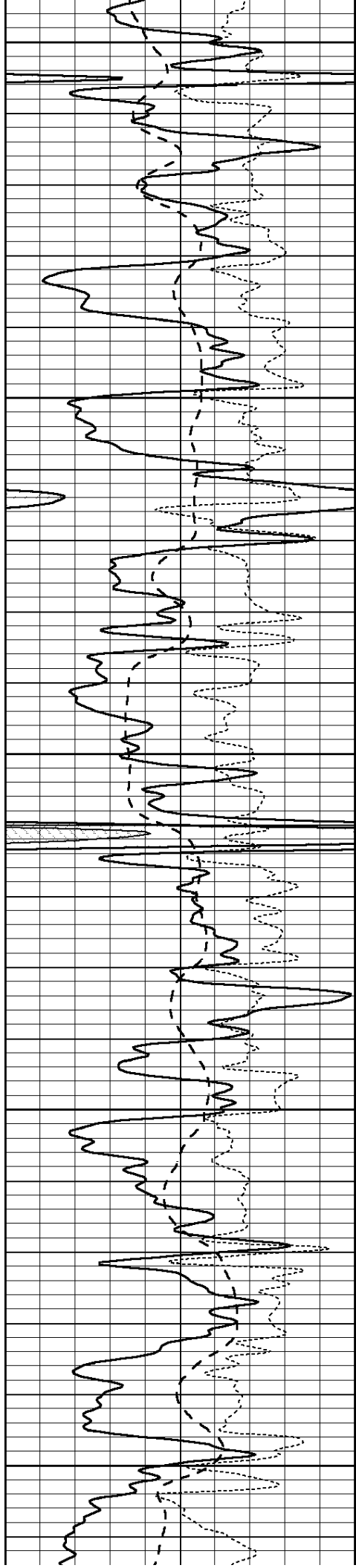
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

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



3800
3850
3900
3950





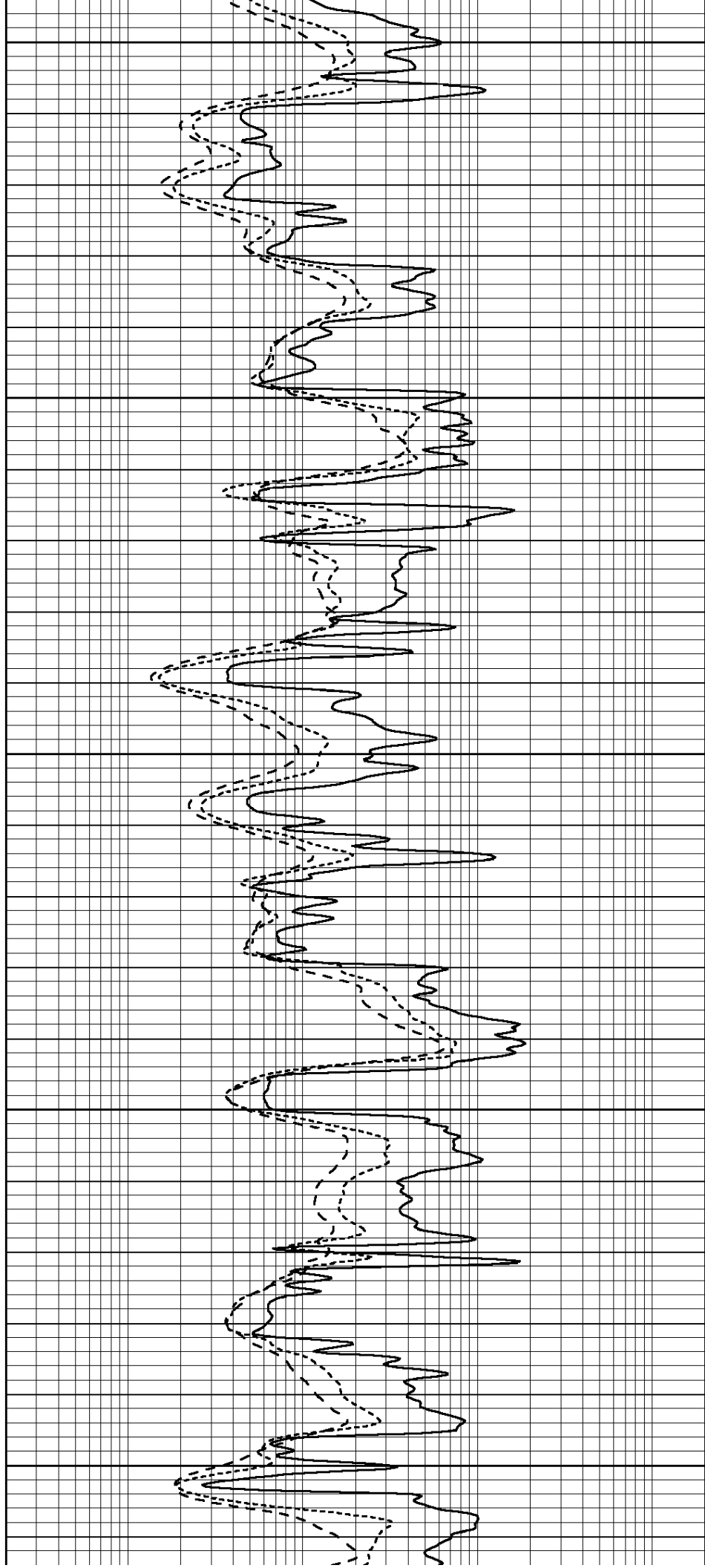
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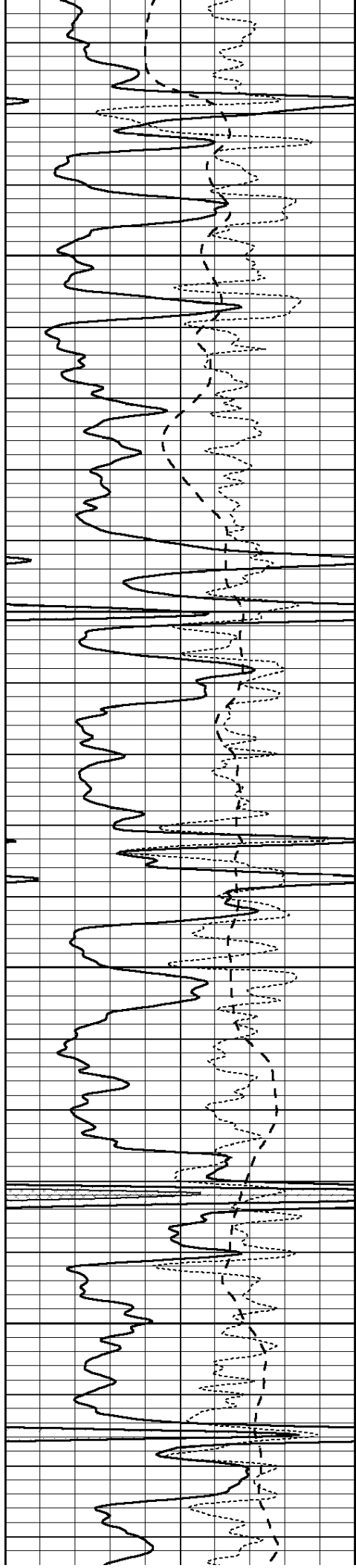
4050

4100

4150

4200



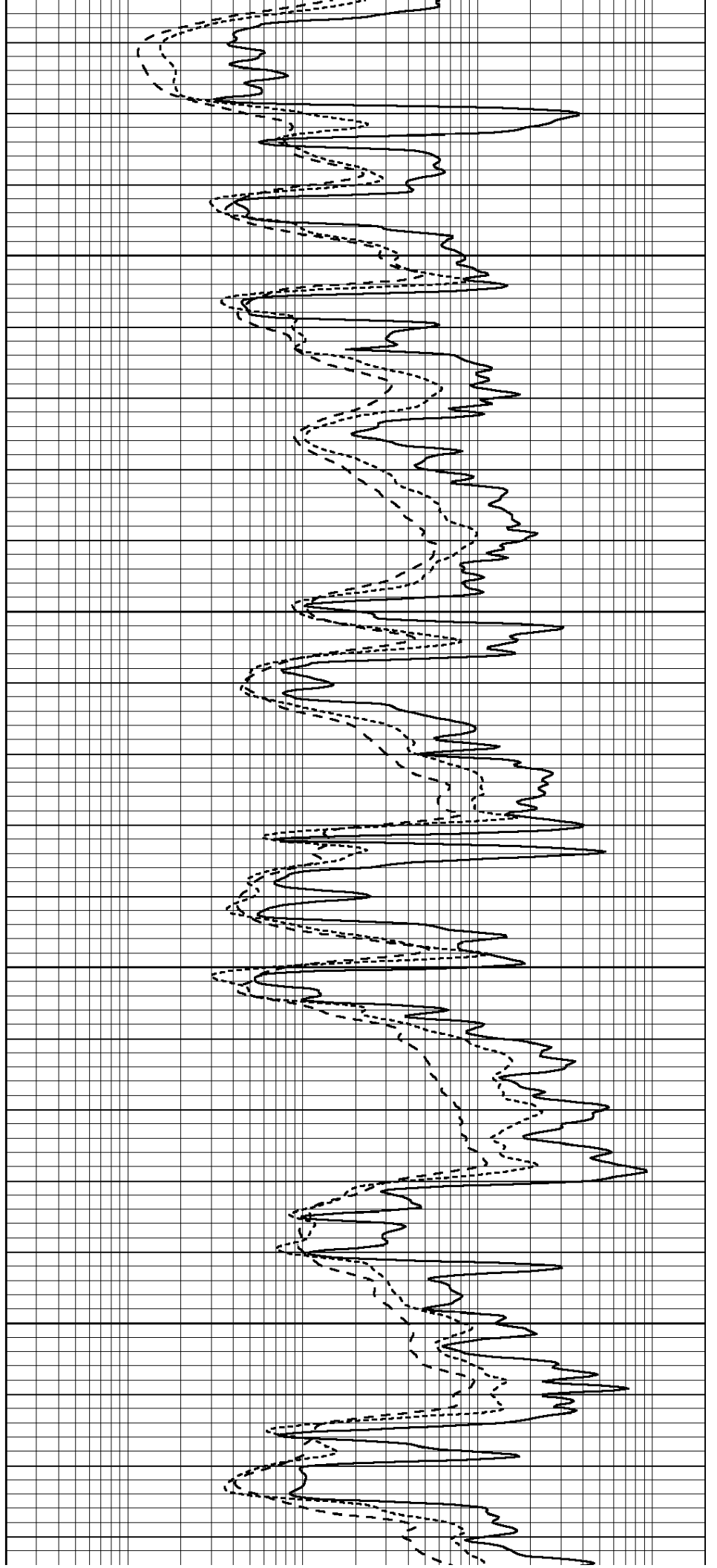


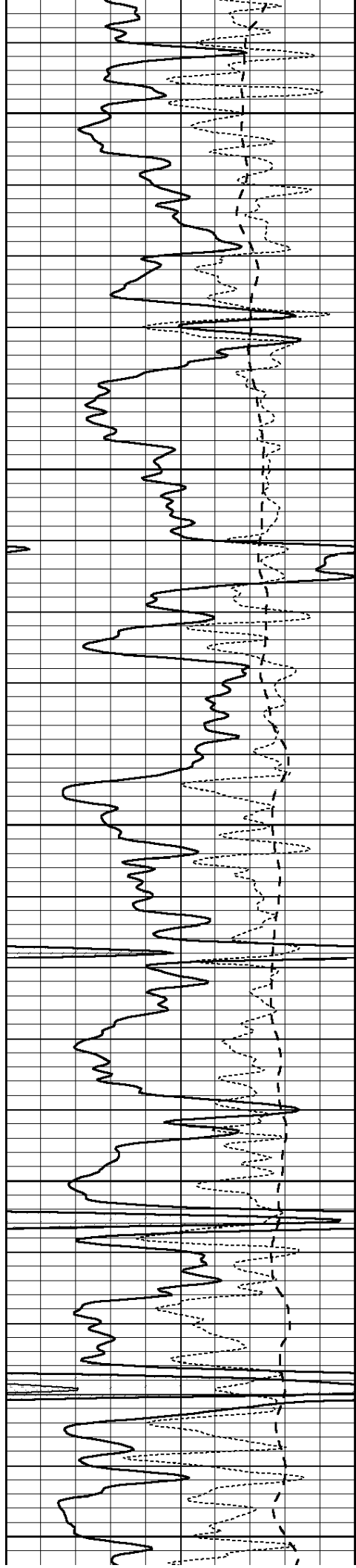
4250

4300

4350

4400





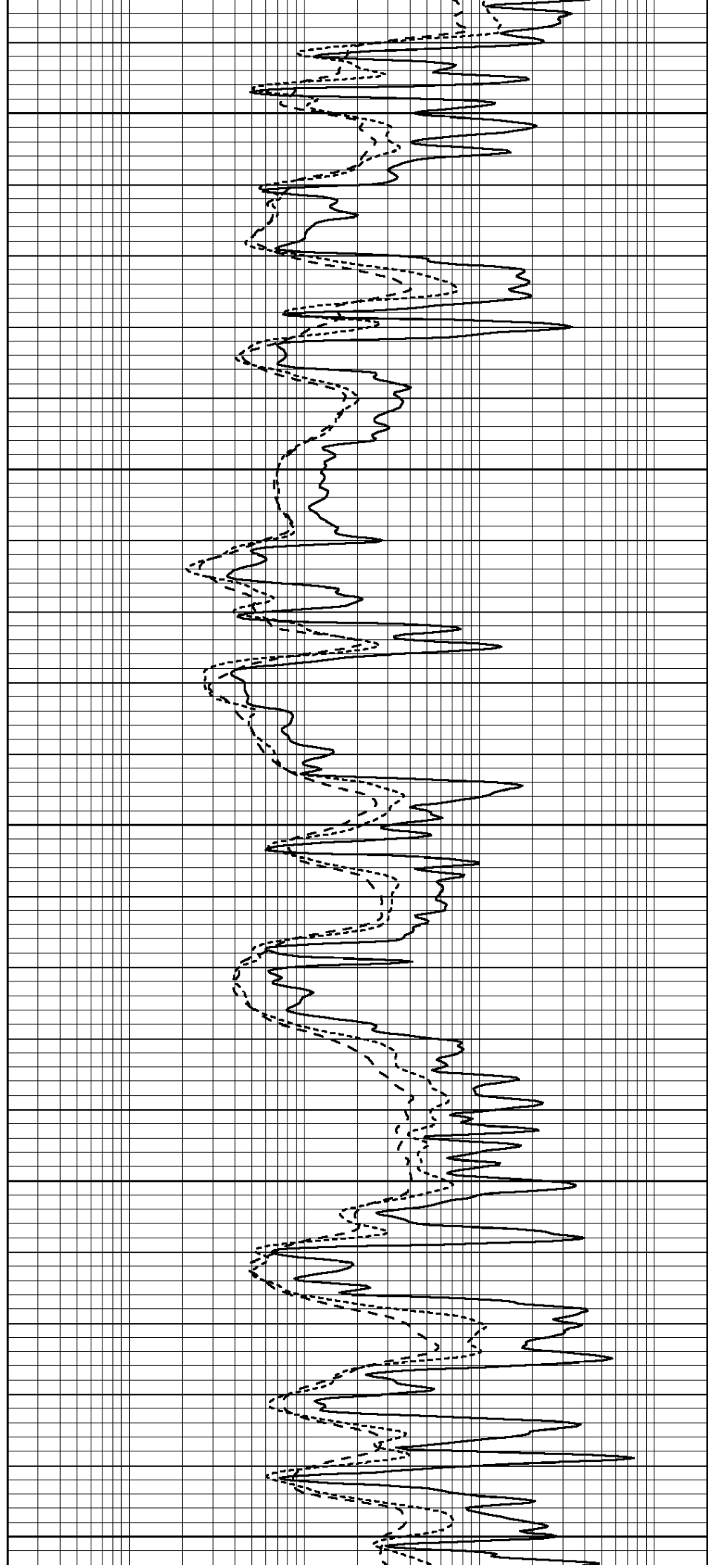
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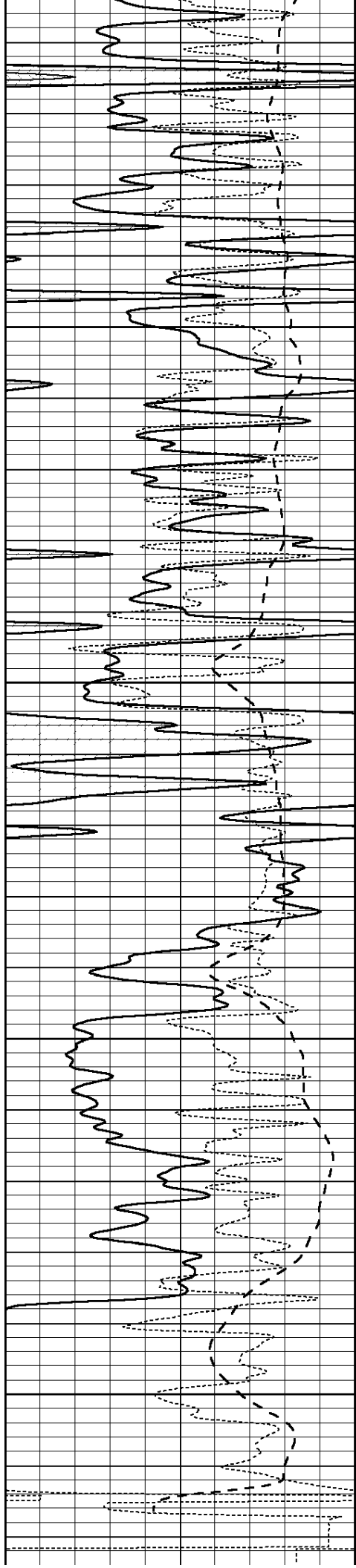
4500

4550

4600

4650



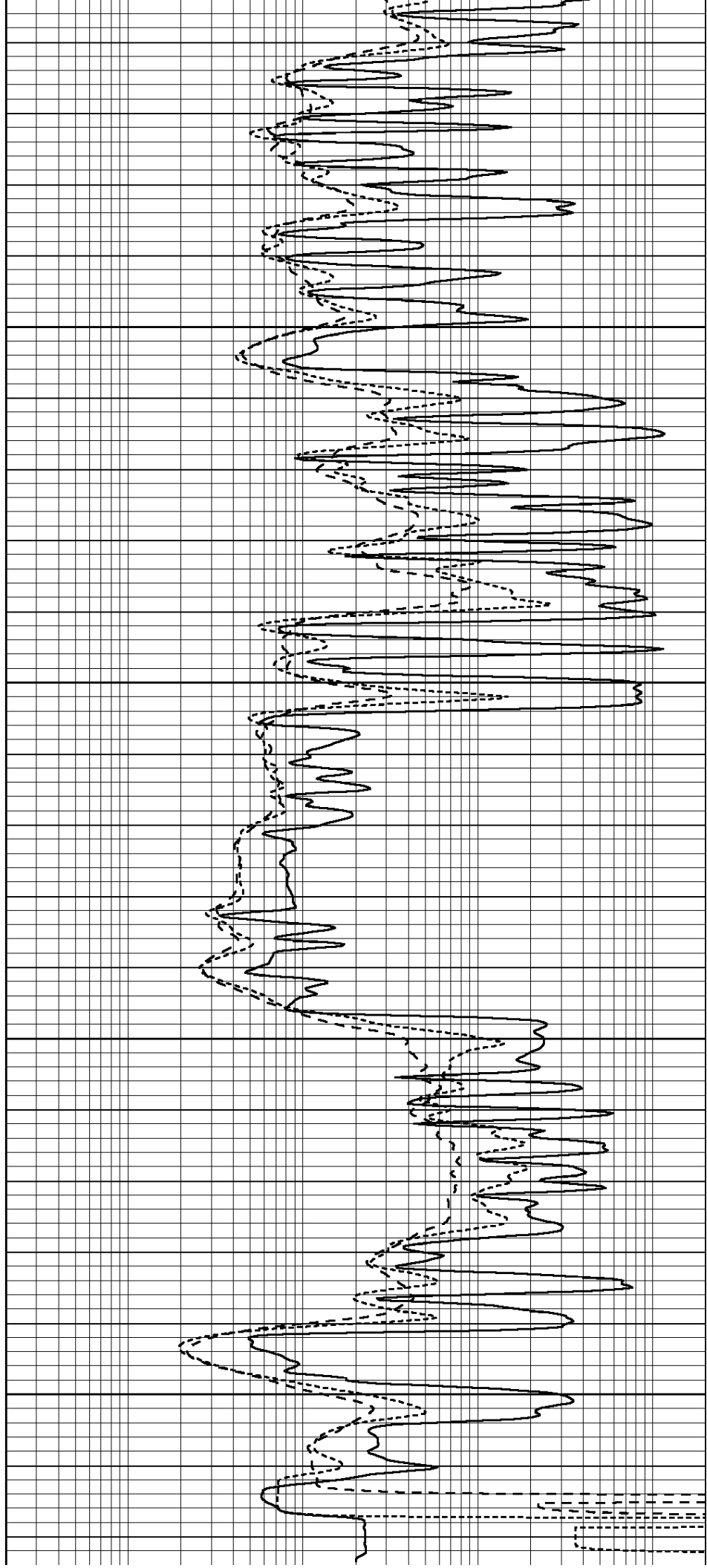


4700

4750

4800

4850



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
Hays,
Kansas

MICRO
LOG

Company NORSTAR PETROLEUM, INC.
Well CURTIS #1-24
Field WILDCAT
County THOMAS
State KANSAS

Company NORSTAR PETROLEUM, INC.
Well CURTIS #1-24
Field WILDCAT
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Location: API # : 15-193-20794-0000
1712' FNL & 1290' FEL
SEC 24 TWP 10S RGE 35W
Permanent Datum GROUND LEVEL Elevation 3242
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL/PE
DIL/SON
Elevation
K.B. 3247
D.F. 3245
G.L. 3242

Date	4/28/11
Run Number	TWO
Depth Driller	4870
Depth Logger	4870
Bottom Logged Interval	4852
Top Log Interval	3800
Casing Driller	8 5/8" @ 260'
Casing Logger	260'
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/52
pH / Fluid Loss	10.0/9.6
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.43 @ 80F
Rmf @ Meas. Temp	0.32 @ 80F
Rmc @ Meas. Temp	0.52 @ 80F
Source of Rmf / Rmc	MEASURED
Rim @ BHT	0.28 @ 124F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	124F
Equipment Number	680
Location	HAYS, KS.
Recorded By	JEFF GRONEMEG
Witnessed By	BRAD RINE
	DAVE PAULY

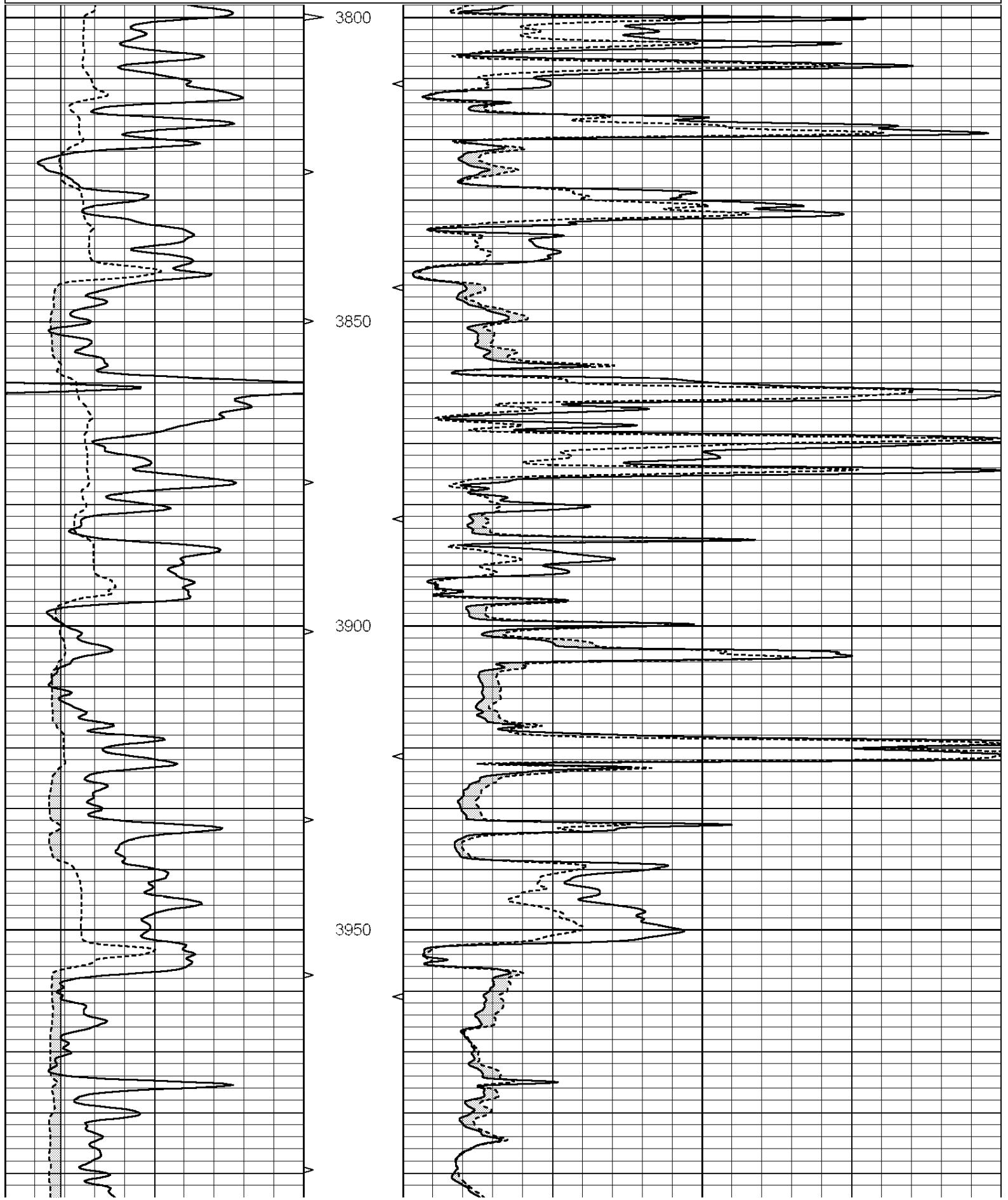
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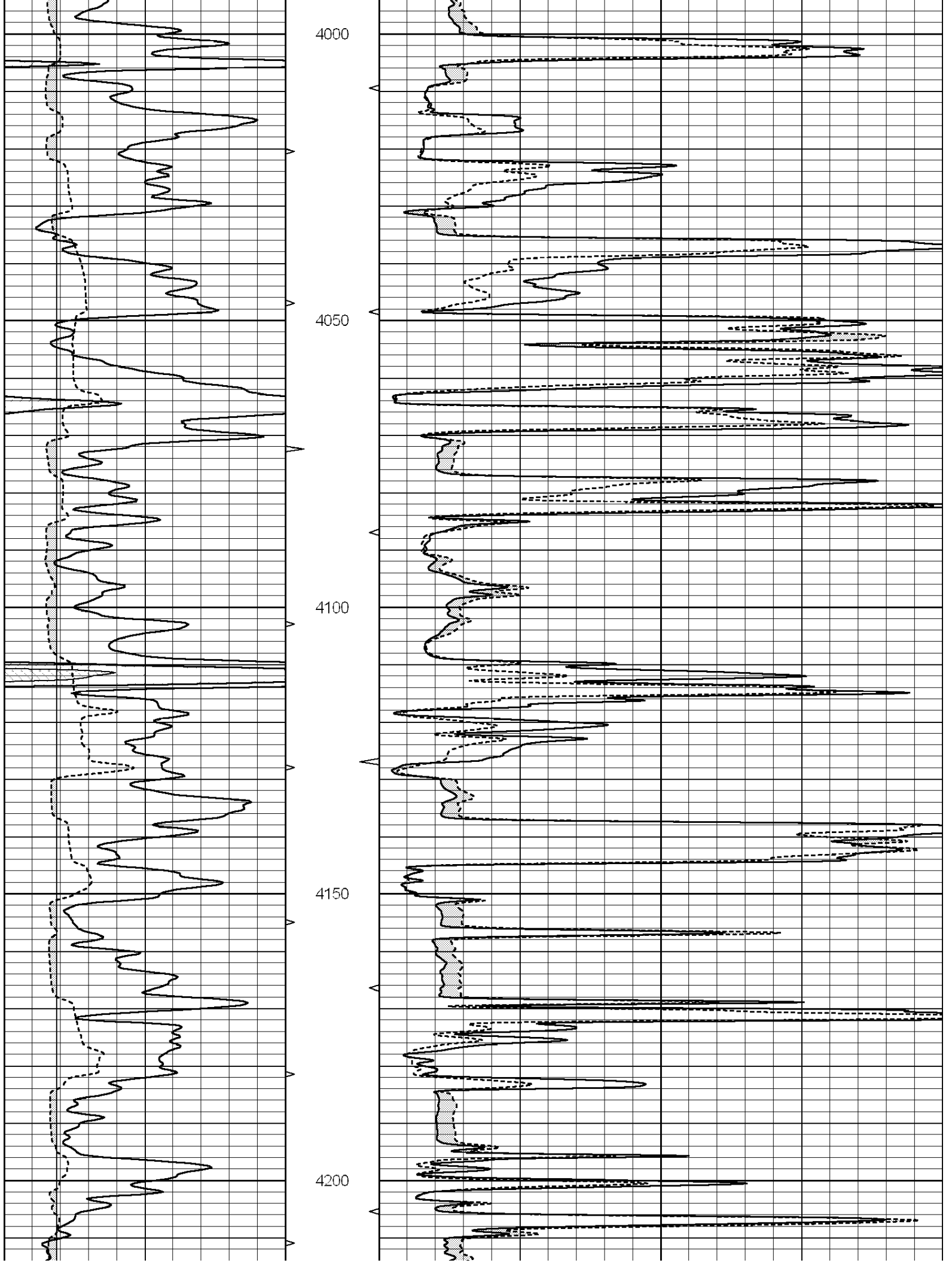
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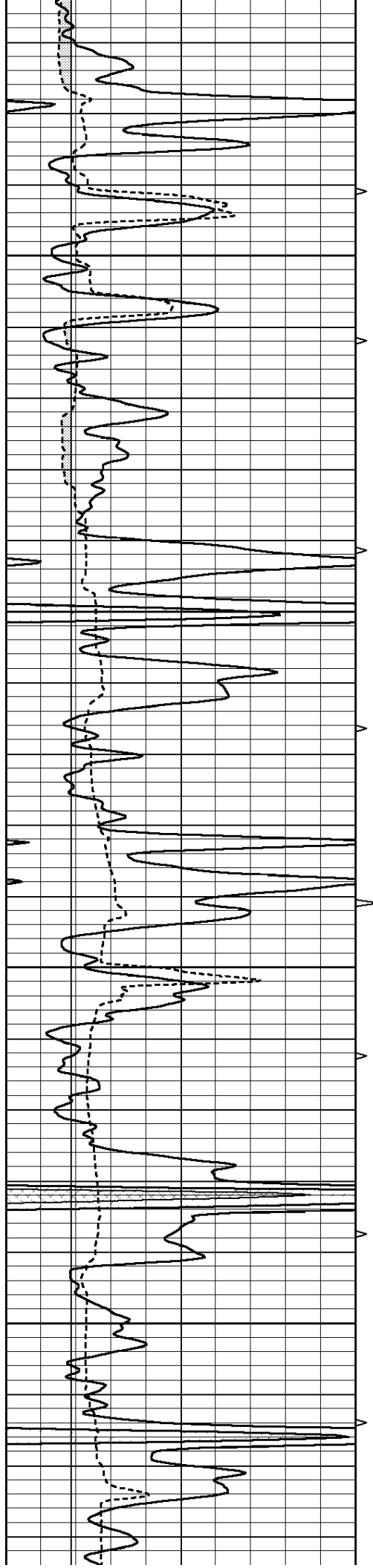
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
OAKLEY, KS - 16 MILES WEST FROM INTERSECTION OF HWYS 40 & 83
3 NORTH ON RD 280 TO T IN ROAD - 1 MILE WEST TO TH 13
2 1/2 MILES NORTH - WEST INTO

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)			





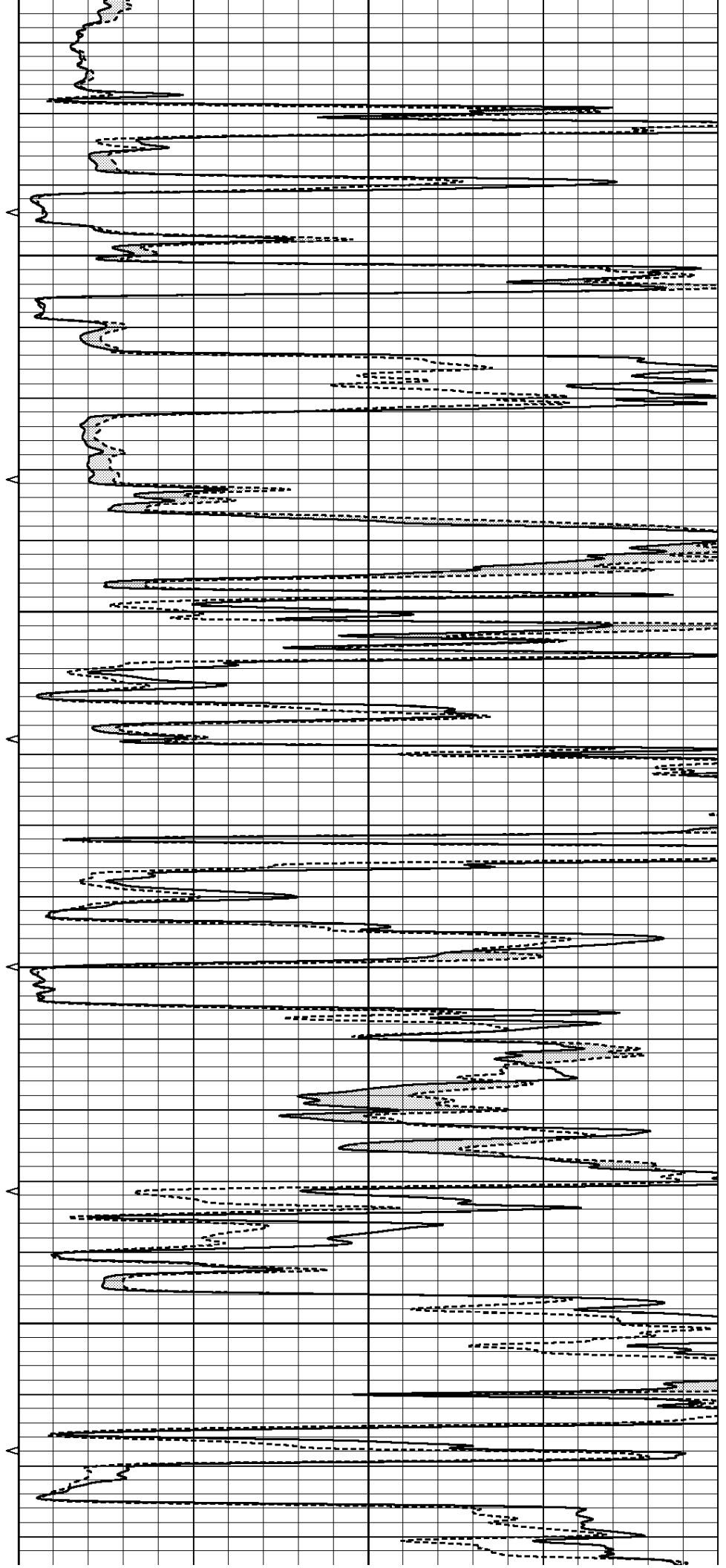


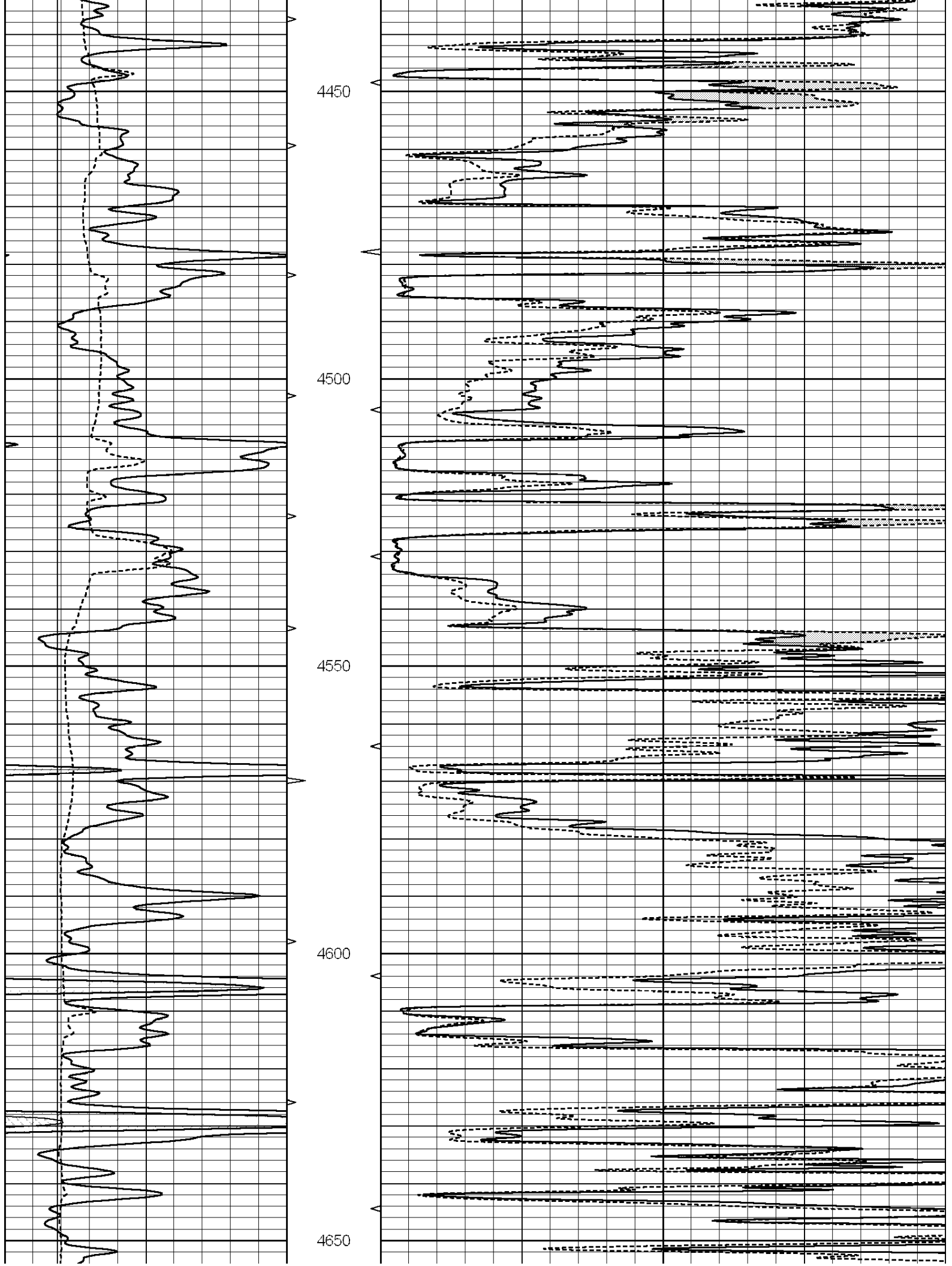
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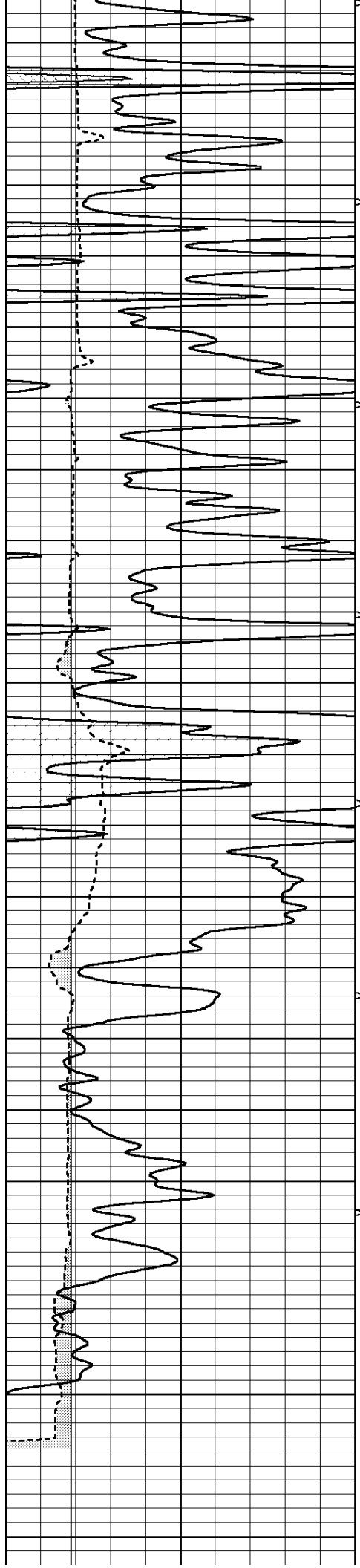
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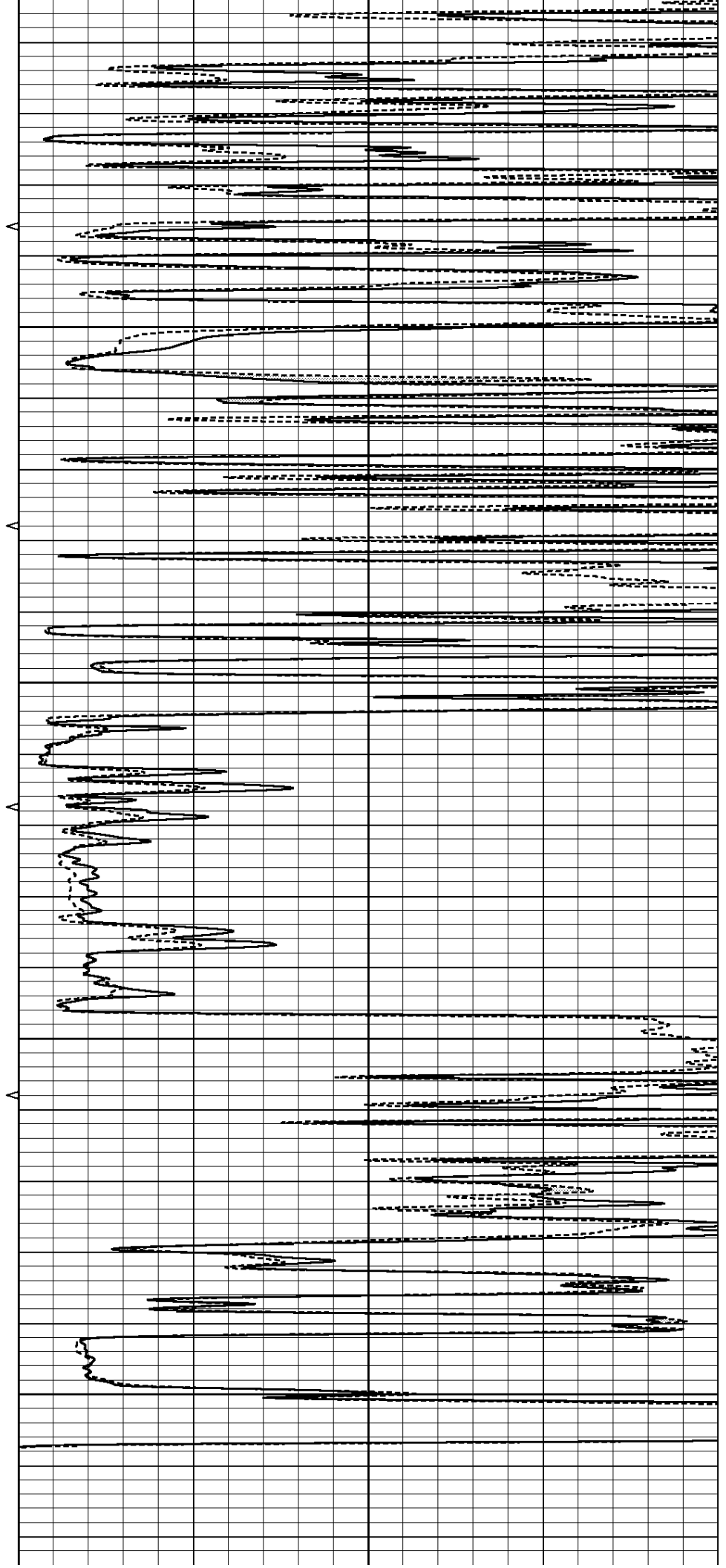


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0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3) 10			



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY/NEUTRON
PE LOG

Company	NORSTAR PETROLEUM, INC.	Company	NORSTAR PETROLEUM, INC.
Well	CURTIS #1-24	Well	CURTIS #1-24
Field	WILDCAT	Field	WILDCAT
County	THOMAS	County	THOMAS
State	KANSAS	State	KANSAS
Location:	API # : 15-193-20794-0000	Other Services	DIL MEL/SON
	1712' FNL & 1290' FEL		
	SEC 24 TWP 10S RGE 35W		
Permanent Datum	GROUND LEVEL	Elevation	3242
Log Measured From	KELLY BUSHING 5' A.G.L.	K.B.	3247
Drilling Measured From	KELLY BUSHING	D.F.	3245
		G.L.	3242

Date	4/28/11
Run Number	ONE
Depth Driller	4870
Depth Logger	4870
Bottom Logged Interval	4846
Top Log Interval	3800
Casing Driller	8 5/8" @ 260'
Casing Logger	
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/52
pH / Fluid Loss	10.0/9.6
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.43 @ 80F
Rmf @ Meas. Temp	0.32 @ 80F
Rmc @ Meas. Temp	0.52 @ 80F
Source of Rmf / Rmc	MEASURED
Rim @ BHT	0.28 @ 124F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	124F
Equipment Number	680
Location	HAYS, KS.
Recorded By	JEFF GRONEMEG
Witnessed By	BRAD RINE

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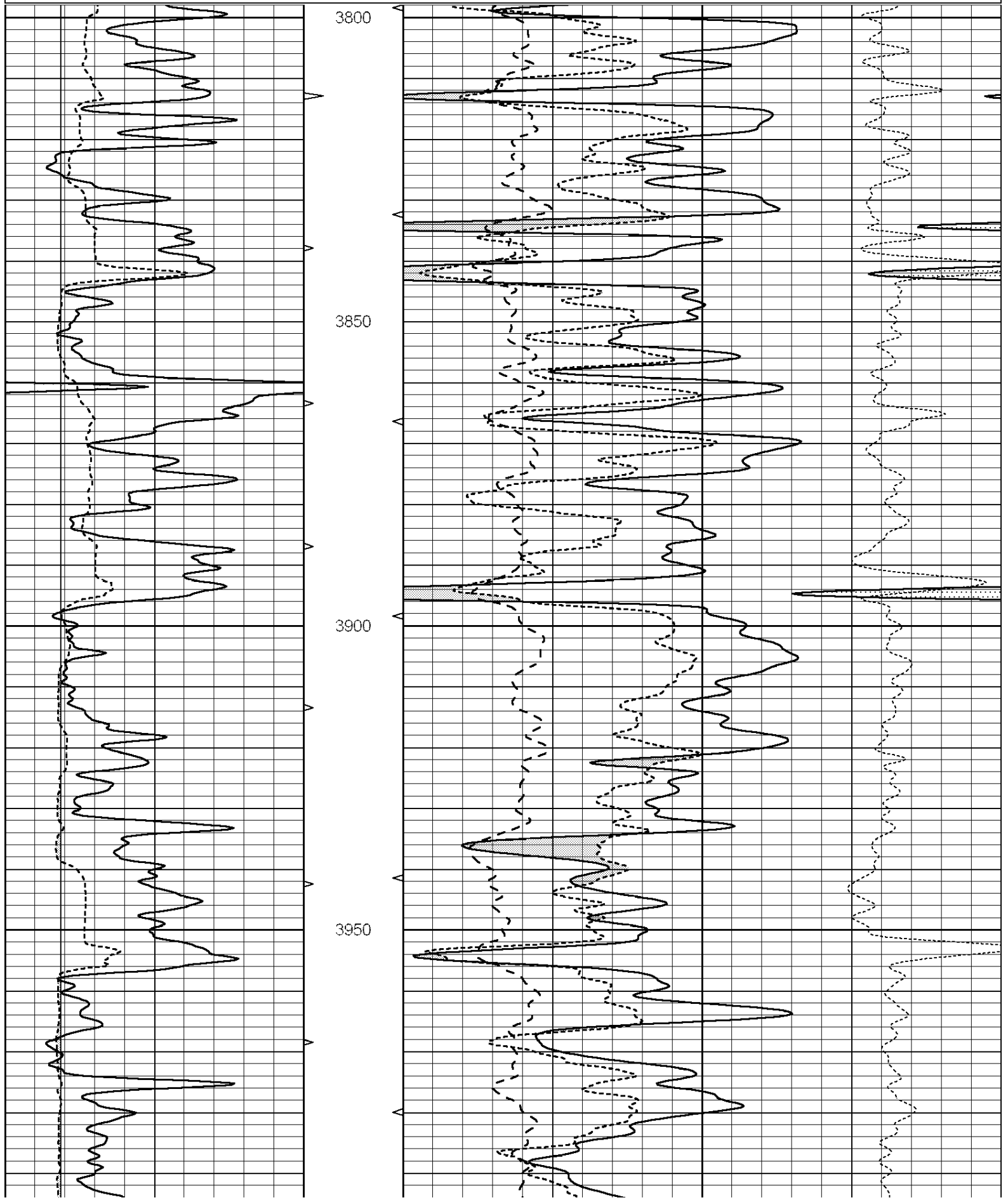
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

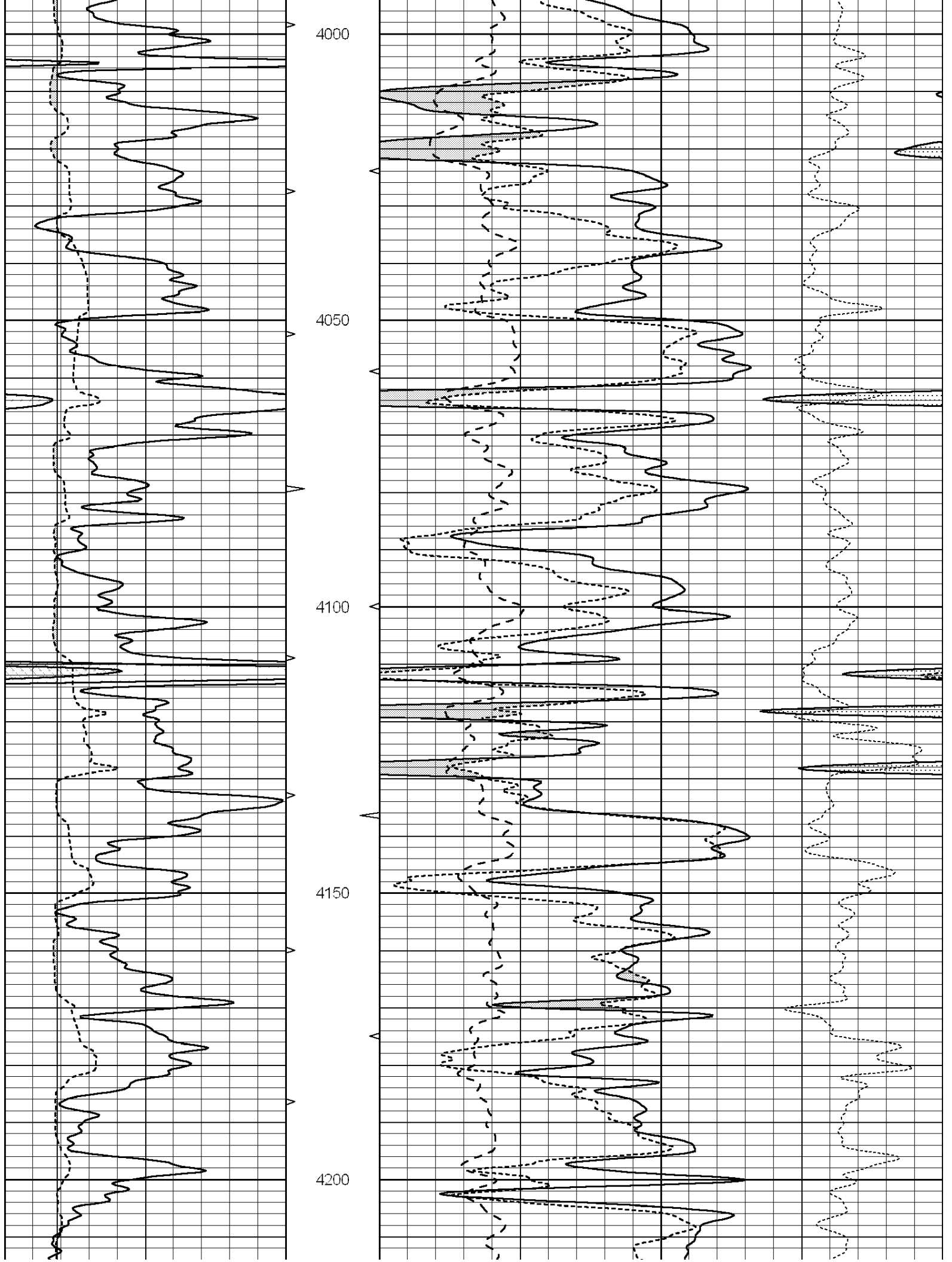
Comments

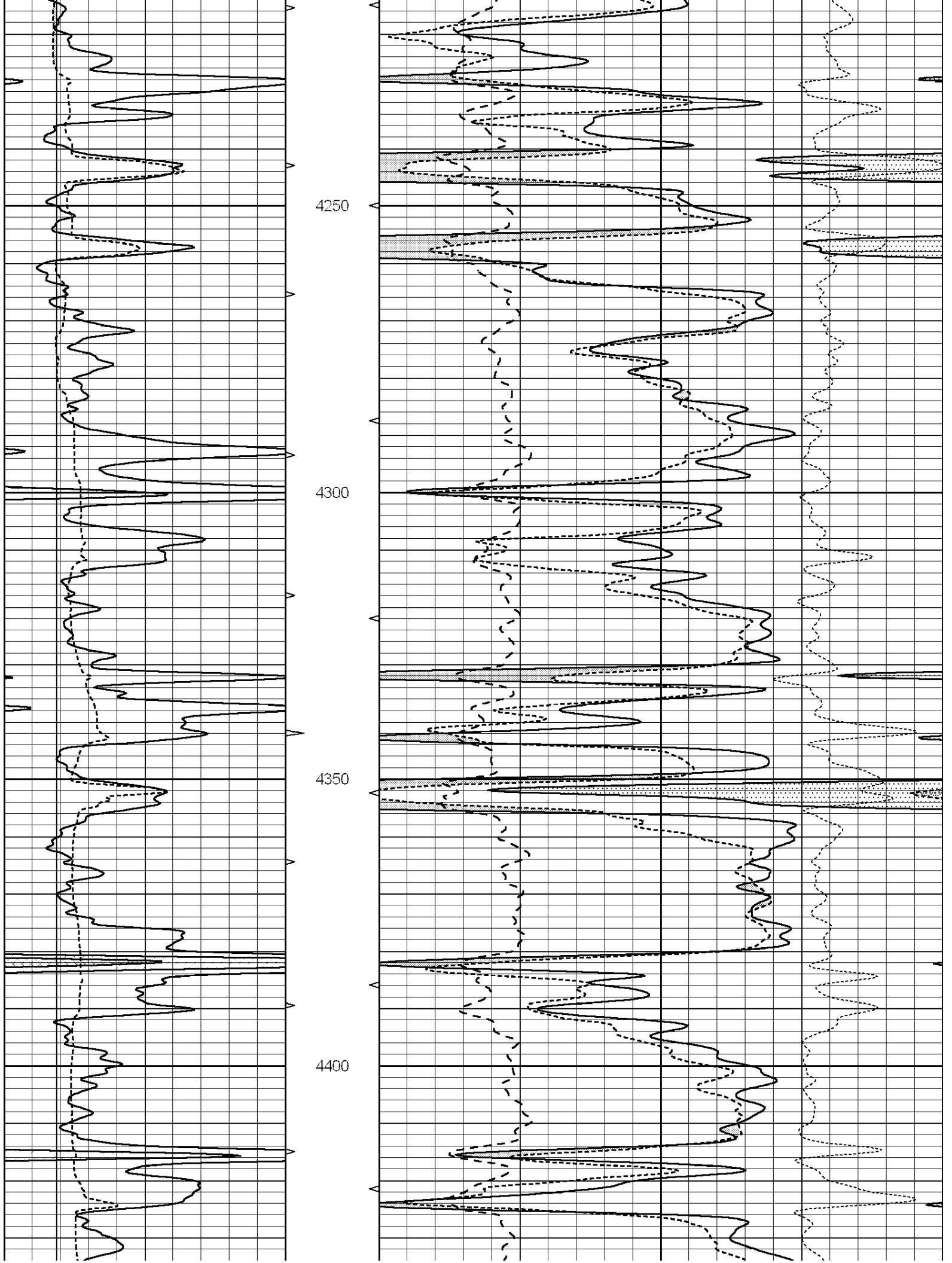
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
 DIRECTIONS
 OAKLEY, KS - 16 MILES WEST FROM INTERSECTION OF HWYS 40 & 83
 3 NORTH ON RD 280 TO T IN ROAD - 1 MILE WEST TO TH 13
 2 1/2 MILES NORTH - WEST INTO

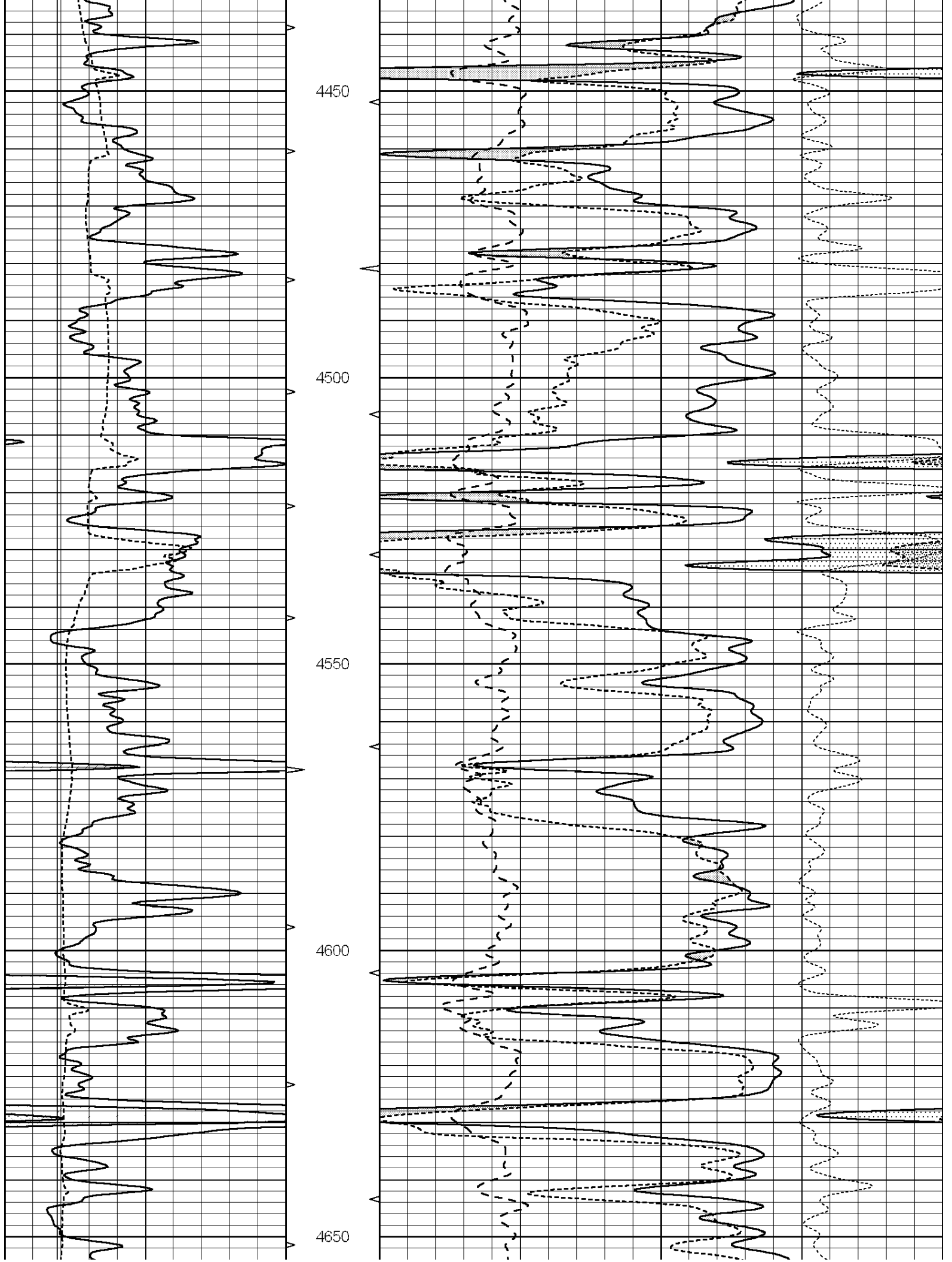
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 Dataset Pathname: pass4.3
 Presentation Format: _ldt_neu
 Dataset Creation: Thu Apr 28 20:41:27 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

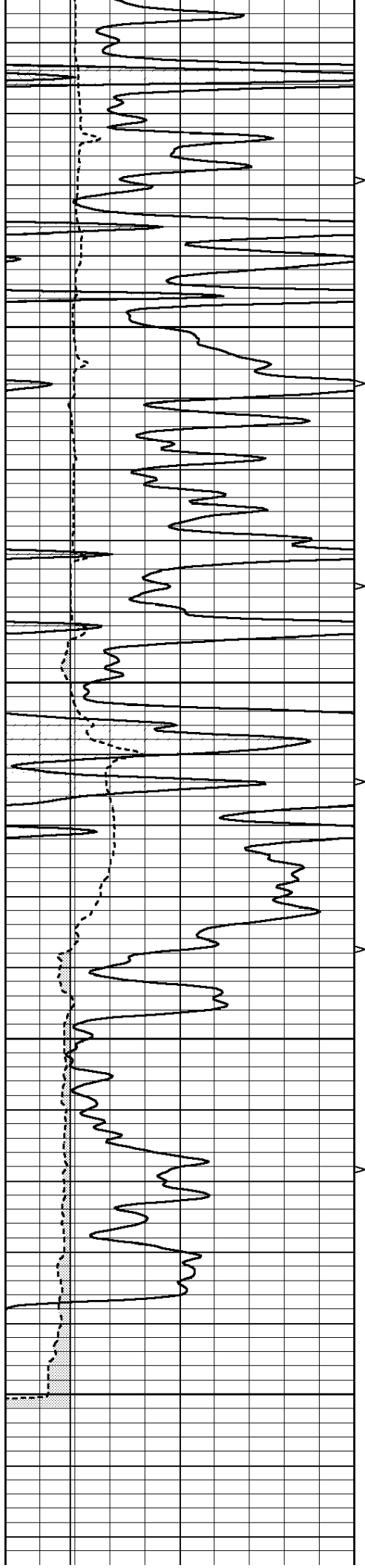
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10		
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)	-10	
			TBHV	0	PE	10 -0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10				









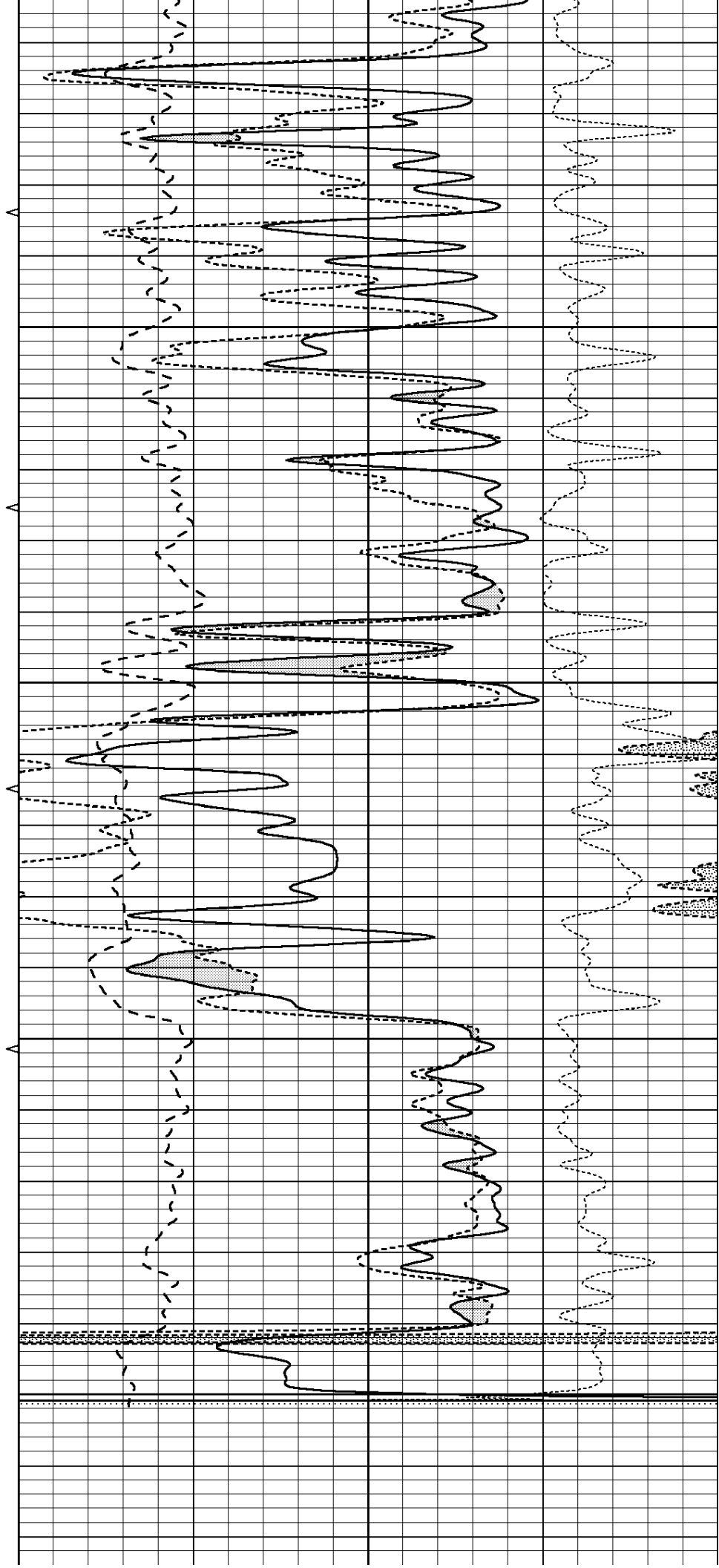


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0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
			TBHV	0	PE	10
			0 (ft3) 10	-0.25	CORRECTION (g/cc)	0.25



SUPERIOR
Hays,
Kansas

SONIC
LOG

Company NORSTAR PETROLEUM, INC.
Well CURTIS #1-24
Field WILDCAT
County THOMAS
State KANSAS

Company NORSTAR PETROLEUM, INC.
Well CURTIS #1-24
Field WILDCAT
County THOMAS State KANSAS

Location: API # : 15-193-20794-0000
1712' FNL & 1290' FEL
SEC 24 TWP 10S RGE 35W

Permanent Datum GROUND LEVEL Elevation 3242
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/PE
DIL/MEL

Elevation
K.B. 3247
D.F. 3245
G.L. 3242

Date	4/28/11
Run Number	TWO
Depth Driller	4870
Depth Logger	4870
Bottom Logged Interval	4863
Top Log Interval	250
Casing Driller	8 5/8" @ 260'
Casing Logger	260'
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/52
pH / Fluid Loss	10.0/9.6
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.43 @ 80F
Rmf @ Meas. Temp	0.32 @ 80F
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Location	HAYS, KS.
Recorded By	JEFF GRONEMEG
Witnessed By	BRAD RINE
	DAVE PAULY

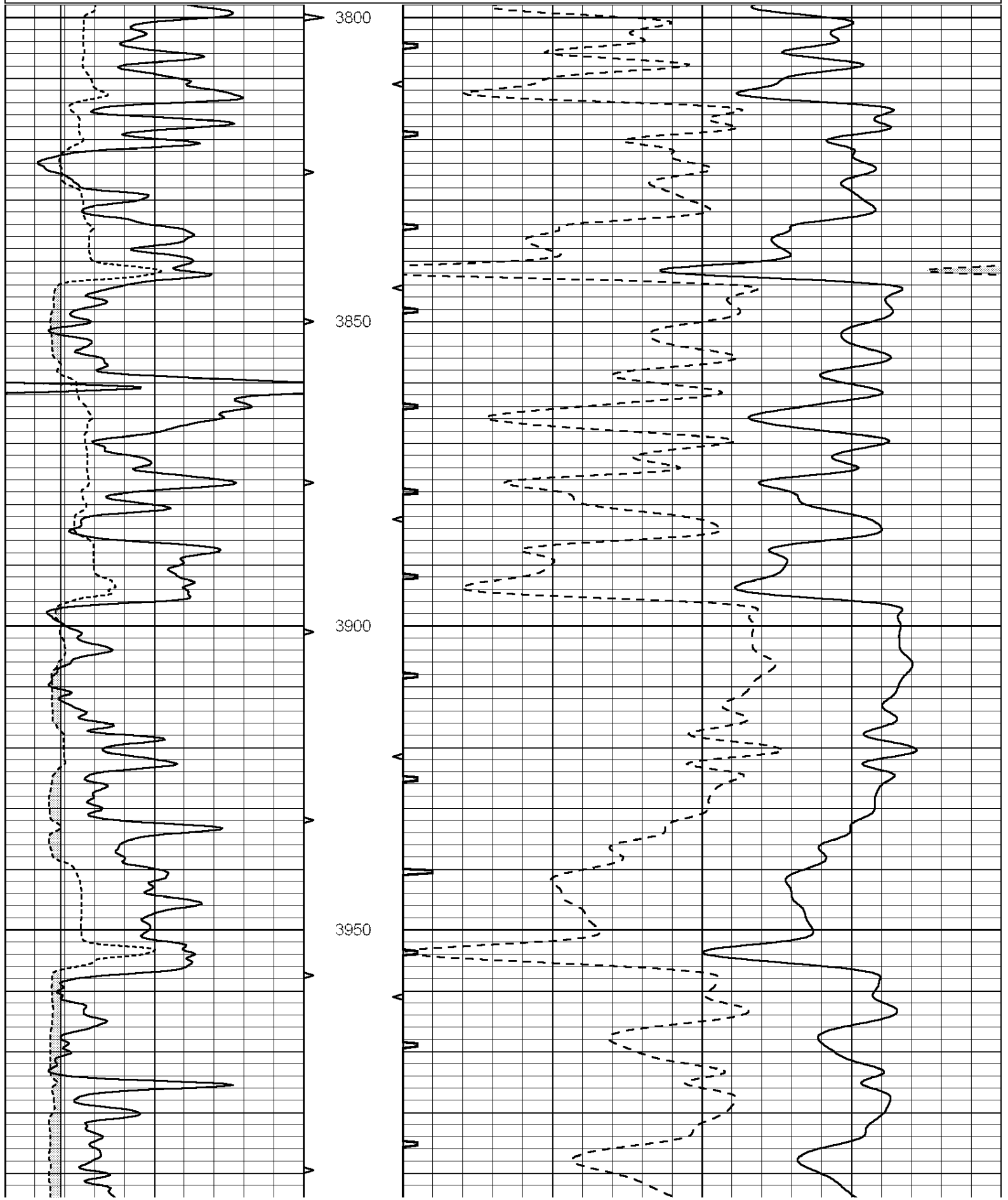
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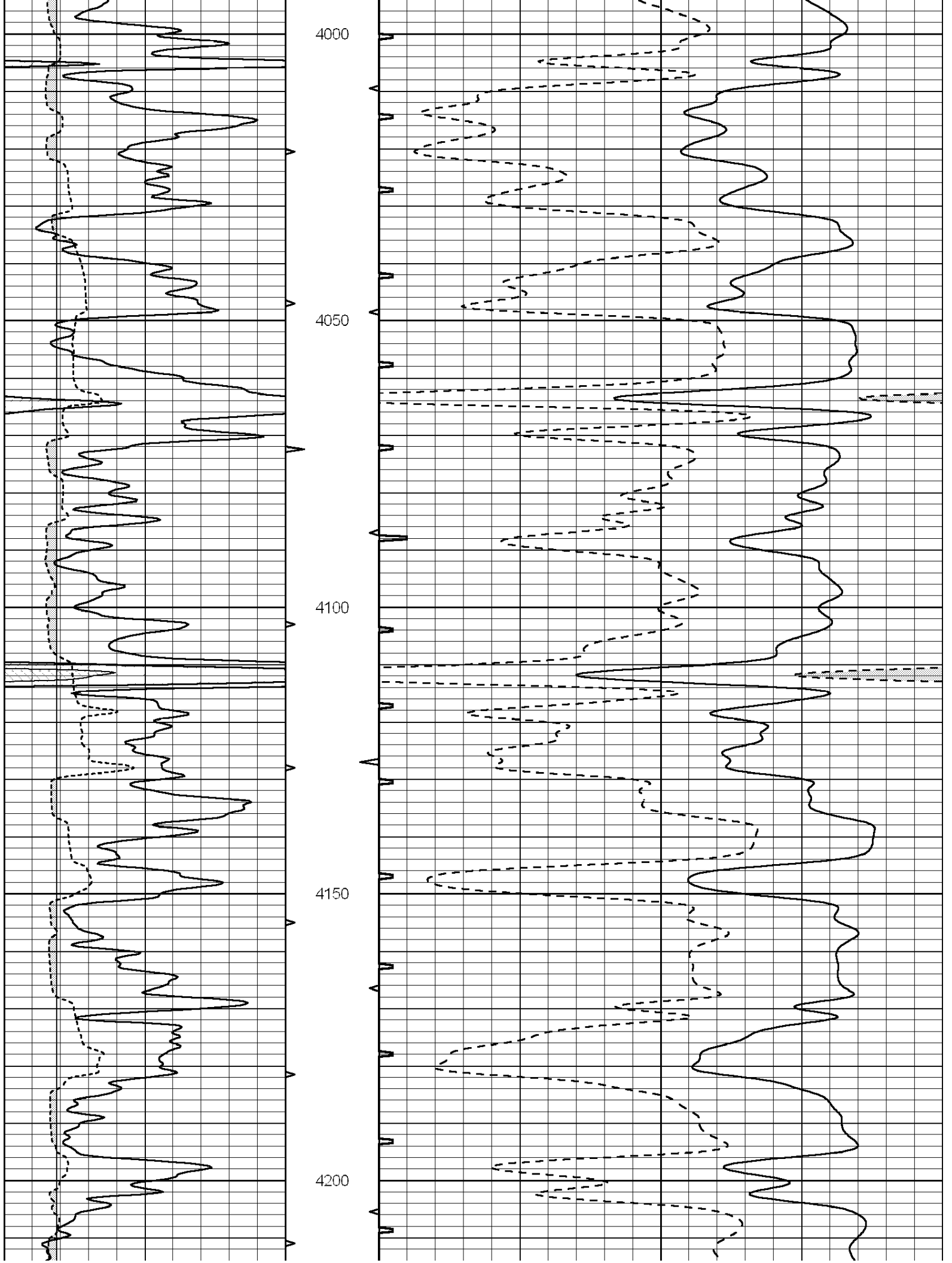
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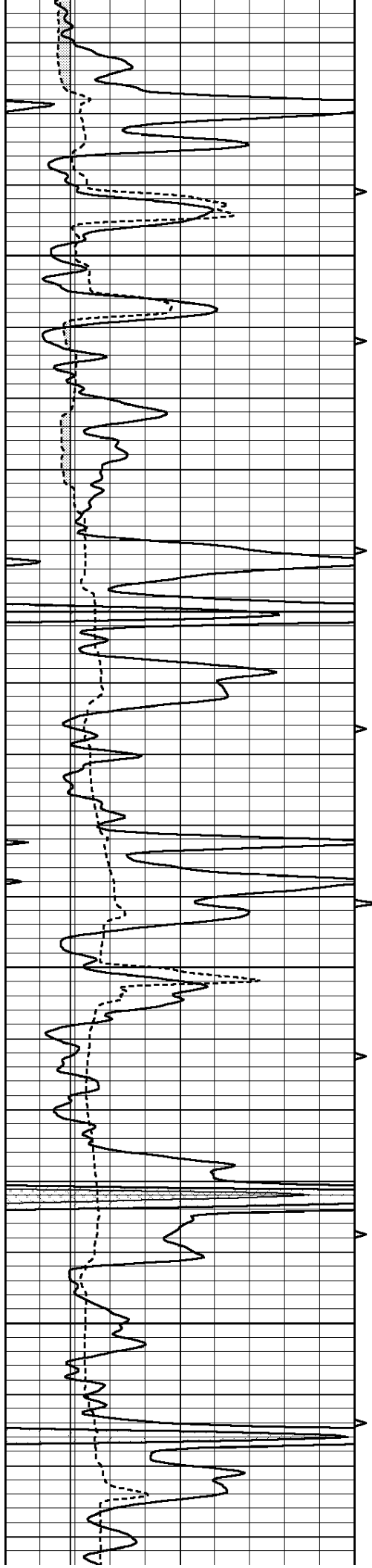
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
OAKLEY, KS - 16 MILES WEST FROM INTERSECTION OF HWYS 40 & 83
3 NORTH ON RD 280 TO T IN ROAD - 1 MILE WEST TO TH 13
2 1/2 MILES NORTH - WEST INTO

0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20
			0 (ft3) 10			





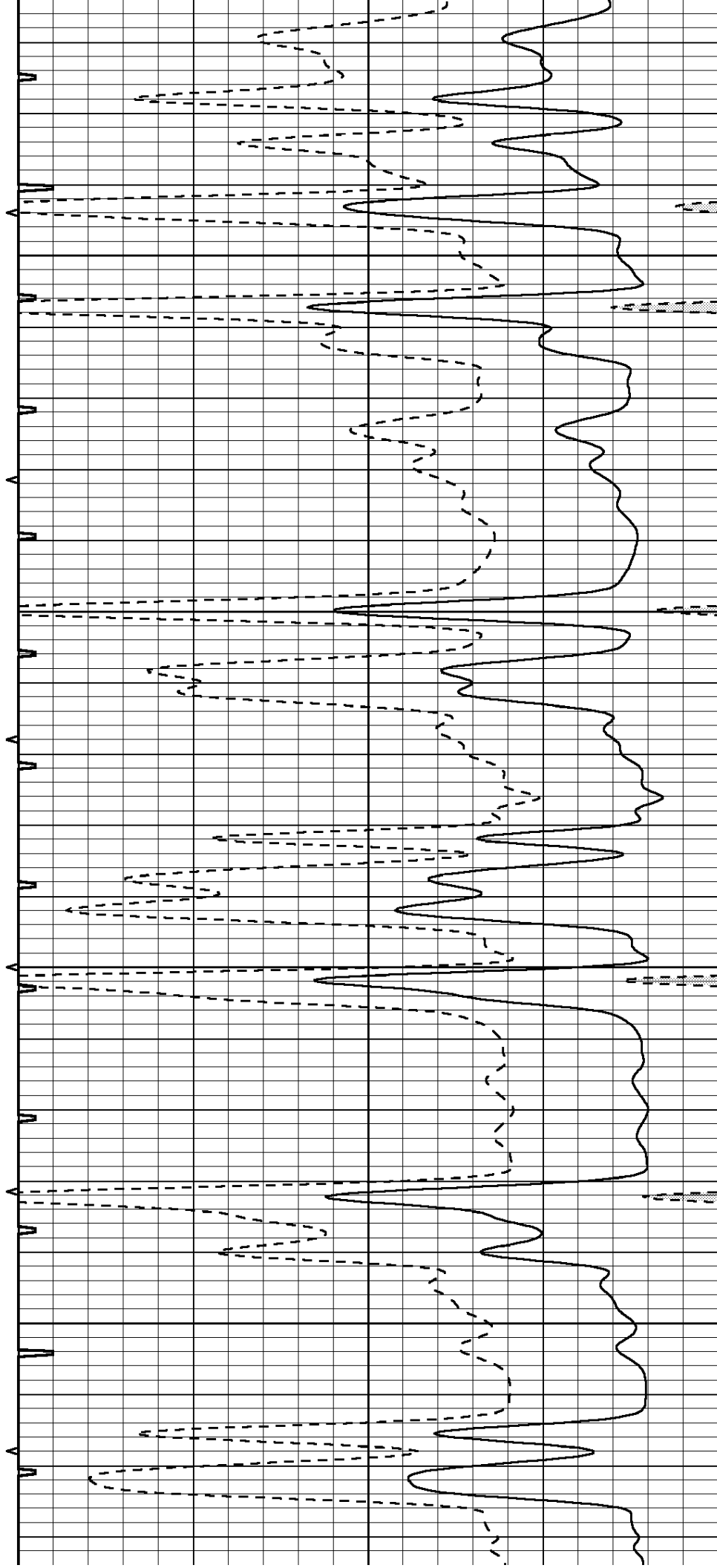


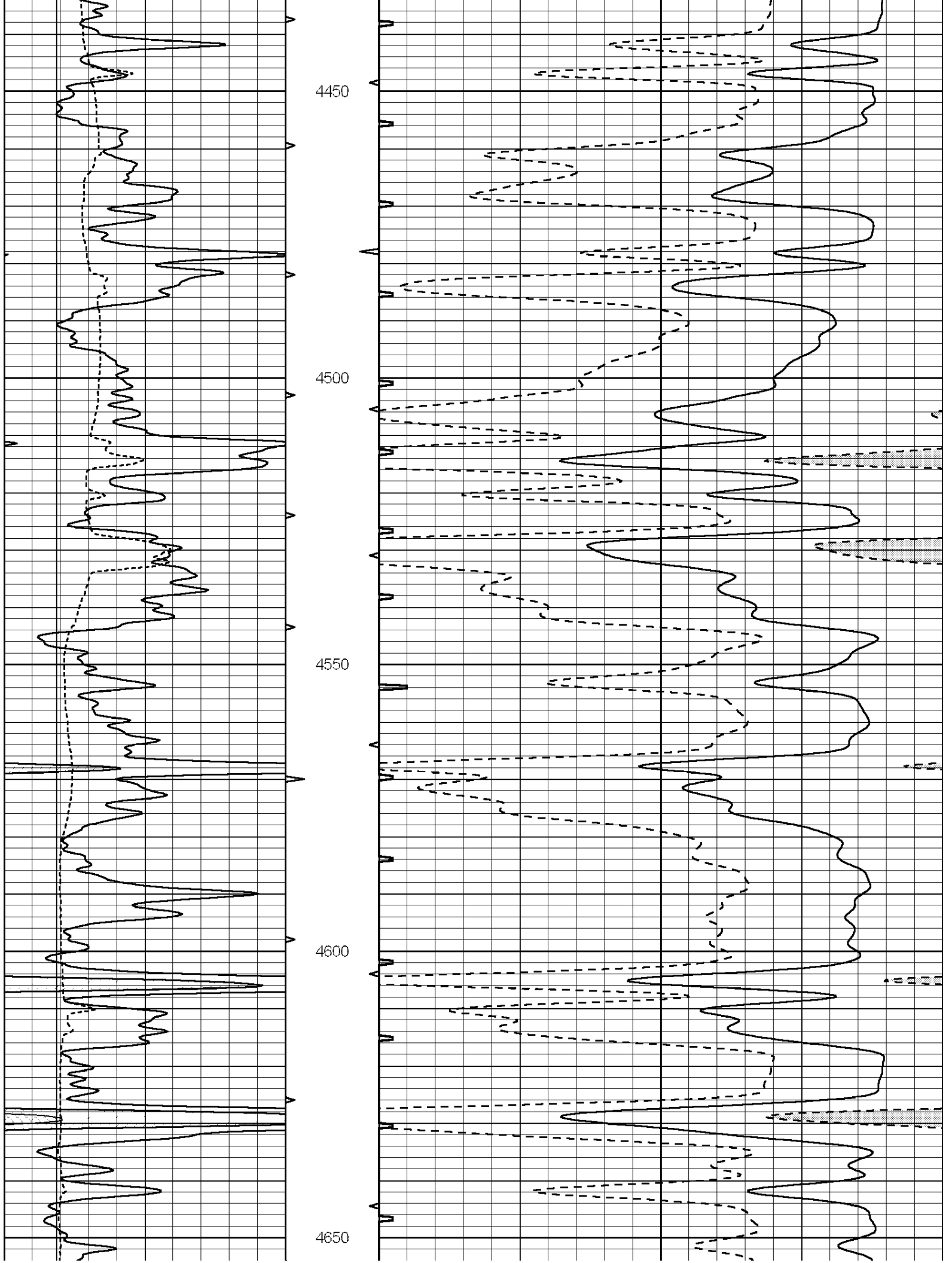
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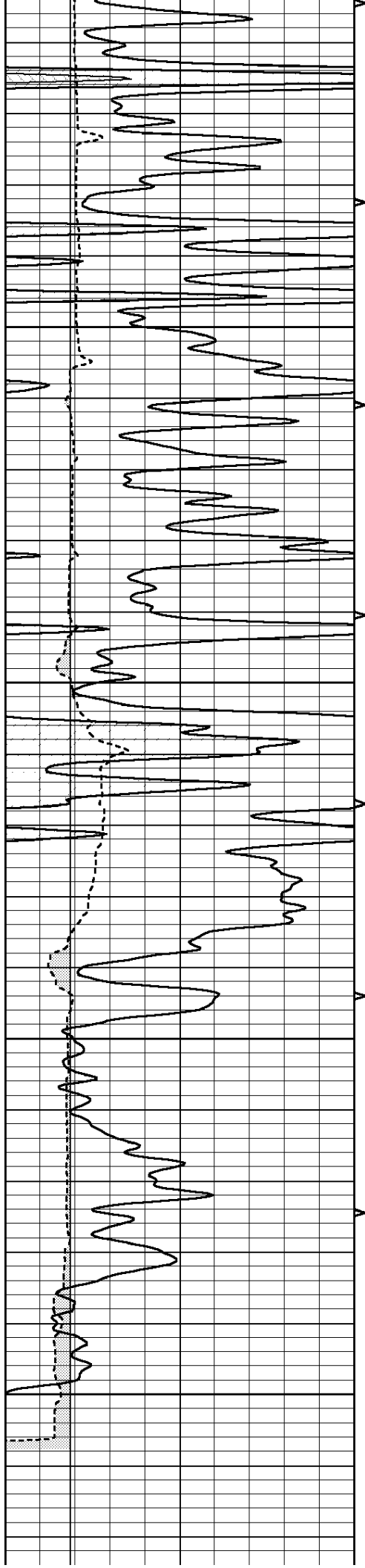
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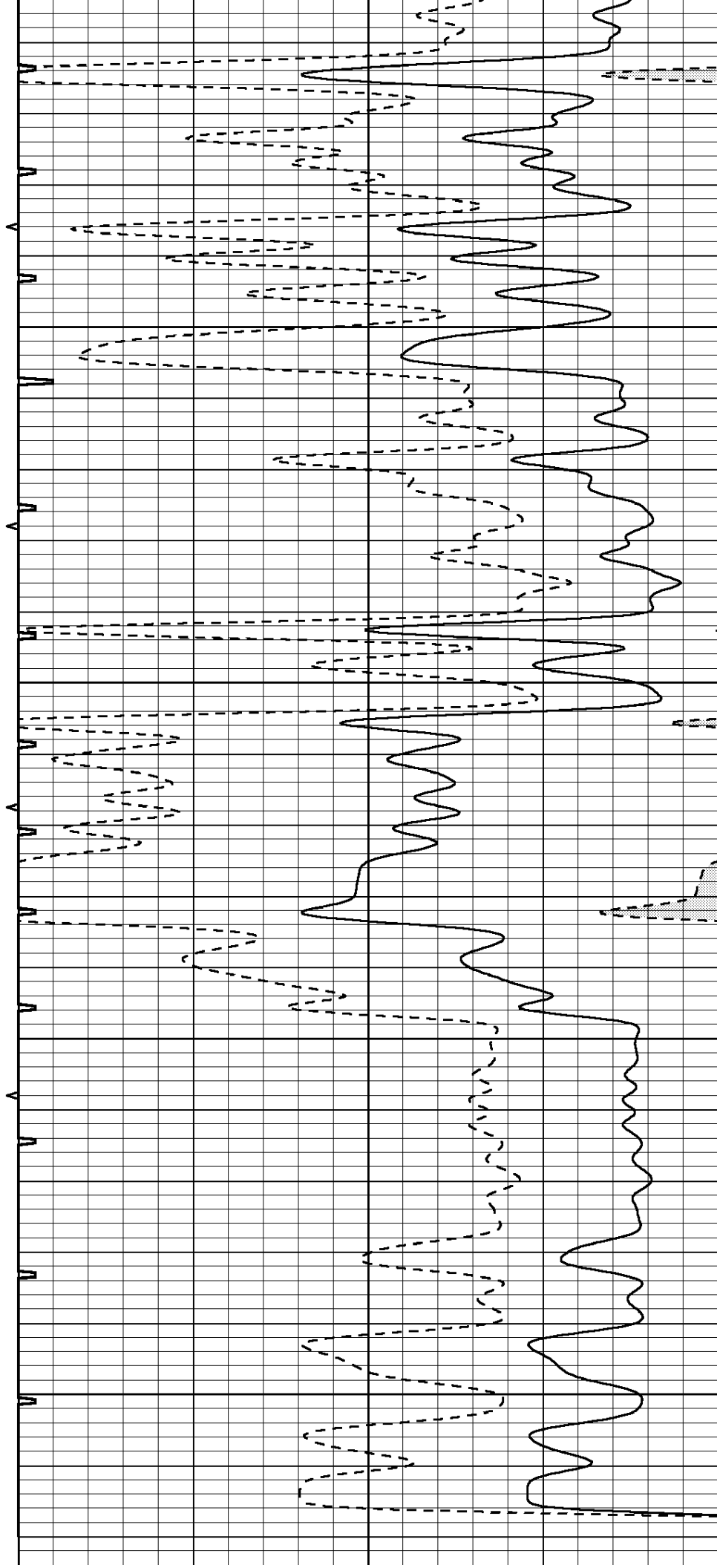


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0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
-----			TBHV	0	ITT (msec)	20
			0 (ft3) 10	-----		



CHARGE TO: **NORSTAR Petroleum**
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET
 19659

PAGE 1 OF 2

SERVICE LOCATIONS

1. **HAYS** WELL/PROJECT NO. **1-24** LEASE **CURTIS** COUNTY/PARISH **THOMAS** STATE **KS** CITY _____
 2. **NESS** TICKET TYPE **CONTRACTOR** RIG NAME/NO. **Thomas** SHIPPED VIA **TR** DELIVERED TO **New Price City** ORDER NO. **09-29-11** DATE **09-29-11** OWNER _____
 3. WELL TYPE **OIL** WELL CATEGORY **Deleat** JOB PURPOSE **drill** WELL PERMIT NO. **15-183-20784** WELL LOCATION **5847-10-R35**

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
525					MILEAGE # 1/2	100	m			5.00	500.00
579					Pump Service	1	EA			1250.00	1250.00
580					ADDITIONAL CIRCULATE	3	HL			200.00	600.00
281					Liquidize	4	HL			25.00	100.00
404					MUDFLUSH	500	WT			1.00	500.00
403					CENTRALIZER	12	EA			4 1/2	720.00
402					Basmat	2	EA			225.00	450.00
413					EXPERT FLOTTATION 'PARAMETER	1	EA			275.00	275.00
417					D.V. TOOL STEEL	1	EA			2500.00	2500.00
419					ROTORHIE SCRAPPER	10	EA			40.00	400.00
					D.V. LITZIN PAUL PUMP BATTER	1	EA			200.00	200.00
					Portside Head BATTER	1	EA			150.00	150.00

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

DATE SIGNED **09-28-11** TIME SIGNED **0630** A.M. P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL **13,384** SUB **21,529** TAX **7.39%** TOTAL **22,605.52**

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

SWIFT OPERATOR **David Bell** APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 04-29-11 PAGE NO. 1

CUSTOMER NORSTAR PETROLEUM WELL NO. 1-24 LEASE CLERTIS JOB TYPE 2-STAGE TICKET NO. 19659

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0630							ON LOCATION CMT: 200 SIS EA-2 BITTEN 400 SIS SMD TOP RTO 4870, SET PIPE @ 4868, SJ 28.27, INSERT 4840 4 1/2" O.S. * D.V. ON TOP * 70, 2750 FT CMT: 14, 17, 10, 14, 18, 21, 26, 29, 33, 69, 71 BASKET 27, 70 ROTARY WALL SCREATHERS SDF
	0910							START C/L & FLOW TEST.
	1000							TIC BITTEN - JOG BALL
	1205							BREAK CIRC & RESTART PIPE
	1300	5.5	12				250	500 GAL MUD FLUSH
			20					2000L 2% HCL FLUSH
			48.5					200 SIS EA-2 CMT DROP L/D PLUG, WASHOUT PL
	1315	6.0	0				250	START (D/S) 1/2 H ₂ O
			33.0				300	" " 1/2 RIG MUD
			70.0				500	
			75.0				600	
	1330		77.1				1200	LAND PLUG RELEASE DRY
	1335							DROP D.V. OPENING, DART, WASHUP TRUCK!
	1345						1100	OPEN D.V. CIRC 3 HAS 1/2 RIG
	1615		7.5					PLUG RH 30, MHS
	1625	4.5	20.0				200	2000L 2% HCL FLUSH
	1625		0					START CMT 340 SIS @ 11.2
			190.0					" " REST @ 14" 35 SIS
			197.0					END CMT DROP D.V. CLOSING PLUG
	1705	4.5	0				200	START DUMP
			10				400	CIRC CMT TO PIT! <u>60 SACS</u>
			30				500	
	1715		43.6				1100	LAND PLUG, CLOSE D.V.
	1720							RELEASE DRY
	1800							JOB COMPLETE THANK YOU! DAVE, JOHNS, JOE, LANE

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



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 08, 2011

Clark D. Parrott
Norstar Petroleum, Inc.
88 Inverness Cir East, Unit F104
Englewood, CO 80112

Re: ACO1
API 15-193-20794-00-00
Curtis 1-24
NE/4 Sec.24-10S-35W
Thomas 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,
Clark D. Parrott