



Company: SANDIA TECHNOLOGIES, LLC

Well: NYSTA TANDEM LOT 1

Field: WILDCAT

County: ROCKLAND

State: NEW YORK

County: ROCKLAND

Field: WILDCAT

Location: LAT: 41.1039

Well: NYSTA TANDEM LOT 1

Company: SANDIA TECHNOLOGIES, LLC

DIGITAL SONIC LOGGING TOOL

CEMENT BOND LOG / VARIABLE DENSITY LOG

GAMMA RAY / CCL

LAT: 41.1039

LONG: -74.027

Elev.: K.B. 402.00 ft

G.L. 386.00 ft

D.F. 402.00 ft

Permanent Datum: GROUND LEVEL

Log Measured From: KELLY BUSHING

Elev.: 386.00 ft

Drilling Measured From: KELLY BUSHING

16.00 ft above Perm. Datum

API Serial No. 31-087-27016-00-00

Section

Township CLARKSTOWN

QUAD

|                               |                       |          |      |  |
|-------------------------------|-----------------------|----------|------|--|
| Logging Date                  | 2-Sep-2011            |          |      |  |
| Run Number                    | 1                     |          |      |  |
| Depth Driller                 | 1528 ft               |          |      |  |
| Schlumberger Depth            | 595 ft                |          |      |  |
| Bottom Log Interval           | 572 ft                |          |      |  |
| Top Log Interval              | 0 ft                  |          |      |  |
| Casing Fluid Type             | FRESH WATER BASED MUD |          |      |  |
| Salinity                      | 120 ppm               |          |      |  |
| Density                       | 9.3 lbm/gal           |          |      |  |
| Fluid Level                   | 0 ft                  |          |      |  |
| BIT/CASING/TUBING STRING      |                       |          |      |  |
| Bit Size                      | 17.500 in             |          |      |  |
| From                          |                       |          |      |  |
| To                            |                       |          |      |  |
| Casing/Tubing Size            | 13.375 in             |          |      |  |
| Weight                        | 48 lbm/ft             |          |      |  |
| Grade                         |                       |          |      |  |
| From                          |                       |          |      |  |
| To                            |                       |          |      |  |
| Maximum Recorded Temperatures | 68 degF               |          |      |  |
| Logger On Bottom              | 2-Sep-2011            | Time     | 0:26 |  |
| Unit Number                   | 3039                  | BRADFORD |      |  |
| Recorded By                   | TIM ZOTARA            |          |      |  |
| Witnessed By                  | DAN COLLINS           |          |      |  |

|                               |          |         |         |       |       |       |
|-------------------------------|----------|---------|---------|-------|-------|-------|
| PVT DATA                      |          |         |         | Run 1 | Run 2 | Run 3 |
| Oil Density                   |          |         |         |       |       |       |
| Water Salinity                |          |         | 120 ppm |       |       |       |
| Gas Gravity                   |          |         |         |       |       |       |
| Bo                            |          |         |         |       |       |       |
| Bw                            |          |         |         |       |       |       |
| 1/Bg                          |          |         |         |       |       |       |
| Bubble Point Pressure         |          |         |         |       |       |       |
| Bubble Point Temperature      |          |         |         |       |       |       |
| Solution GOR                  |          |         |         |       |       |       |
| Maximum Deviation             |          |         |         |       |       |       |
| CEMENTING DATA                |          |         |         |       |       |       |
| Primary/Squeeze               |          | Primary |         |       |       |       |
| Casing String No              |          |         |         |       |       |       |
| Lead Cement Type              |          |         |         |       |       |       |
| Volume                        |          |         |         |       |       |       |
| Density                       |          |         |         |       |       |       |
| Water Loss                    |          |         |         |       |       |       |
| Additives                     |          |         |         |       |       |       |
| Tail Cement Type              |          |         |         |       |       |       |
| Volume                        |          |         |         |       |       |       |
| Density                       |          |         |         |       |       |       |
| Water Loss                    |          |         |         |       |       |       |
| Additives                     |          |         |         |       |       |       |
| Expected Cement Top           |          |         |         |       |       |       |
| Logging Date                  |          |         |         |       |       |       |
| Run Number                    |          |         |         |       |       |       |
| Depth Driller                 |          |         |         |       |       |       |
| Schlumberger Depth            |          |         |         |       |       |       |
| Bottom Log Interval           |          |         |         |       |       |       |
| Top Log Interval              |          |         |         |       |       |       |
| Casing Fluid Type             |          |         |         |       |       |       |
| Salinity                      |          |         |         |       |       |       |
| Density                       |          |         |         |       |       |       |
| Fluid Level                   |          |         |         |       |       |       |
| BIT/CASING/TUBING STRING      |          |         |         |       |       |       |
| Bit Size                      |          |         |         |       |       |       |
| From                          |          |         |         |       |       |       |
| To                            |          |         |         |       |       |       |
| Casing/Tubing Size            |          |         |         |       |       |       |
| Weight                        |          |         |         |       |       |       |
| Grade                         |          |         |         |       |       |       |
| From                          |          |         |         |       |       |       |
| To                            |          |         |         |       |       |       |
| Maximum Recorded Temperatures |          |         |         |       |       |       |
| Logger On Bottom              | Time     |         |         |       |       |       |
| Unit Number                   | Location |         |         |       |       |       |
| Recorded By                   |          |         |         |       |       |       |
| Witnessed By                  |          |         |         |       |       |       |

## DEPTH SUMMARY LISTING

Date Created: 1-SEP-2011 17:30:17

## Depth System Equipment

| Depth Measuring Device    |            | Tension Device                |            | Logging Cable                                 |           |
|---------------------------|------------|-------------------------------|------------|-----------------------------------------------|-----------|
| Type:                     | IDW-B      | Type:                         | CMTD-B/A   | Type:                                         | 7-39P LXS |
| Serial Number:            | 2828       | Serial Number:                | 2929       | Serial Number:                                | 3039      |
| Calibration Date:         | 1-Jan-2011 | Calibration Date:             | 2-Aug-2011 | Length:                                       | 16000 FT  |
| Calibrator Serial Number: | 33         | Calibrator Serial Number:     | 1095       | Conveyance Method: Wireline<br>Rig Type: LAND |           |
| Calibration Cable Type:   | 7-39P LXS  | Number of Calibration Points: | 10         |                                               |           |
| Wheel Correction 1:       | -5         | Calibration RMS:              | 45         |                                               |           |
| Wheel Correction 2:       | -4         | Calibration Peak Error:       | 71         |                                               |           |

## Depth Control Parameters

|                           |                            |
|---------------------------|----------------------------|
| Log Sequence:             | Subsequent Log In the Well |
| Reference Log Name:       | PLATFORM EXPRESS           |
| Reference Log Run Number: | ONE                        |
| Reference Log Date:       | 31-Aug-2011                |

### Depth Control Remarks

1. ALL SCHLUMBERGER DEPTH CONTROL POLICIES FOLLOWED
2. IDW USED AS PRIMARY DEPTH DEVICE
3. Z-CHART USED AS SECONDARY DEPTH DEVICE
- 4.
- 5.
- 6.

## DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

| OTHER SERVICES1    | OTHER SERVICES2 |
|--------------------|-----------------|
| OS1: PEX-AIT       | OS1:            |
| OS2: CMR-ECS-HNGS  | OS2:            |
| OS3: PPC-SSCAN-FMI | OS3:            |
| OS4: MDT-MSCT      | OS4:            |
| OS5: CBL/VDL-USIT  | OS5:            |

REMARKS: RUN NUMBER 1

REMARKS: RUN NUMBER 2

THANK YOU FOR CHOOSING SCHLUMBERGER

TOOLS RUN AS PER TOOL SKETCH, W/BOWSPRING & STANDOFFS ON AIT

ALL WELLSITE DATA, PERMIT, MUD REPORT, SOP PROVIDED BY CLIENT

RUN1: PEX-AIT RUN2: CMR-ECS-HNGS RUN3: PPC-SSCAN-FMI

PLIN4: MSCT PLIN5: MDT PLIN6: CBI/MDI-IJSIT

24.8  
24.6  
23.8

DSLTL Aux. 20.4

20.4

USIT-D  
ECH-MRA  
USIC-D 3796  
USIS-A 797  
USSC-A  
USRS-D

Control  
Normal In  
DF  
USI Relat HV  
Tension

0.3  
0.0

TOOL ZERO

MAXIMUM STRING DIAMETER 8.66 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN FEET

Schlumberger

MAIN 5"

MAXIS Field Log

Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Input DLIS Files

|         |                  |        |          |                   |          |          |
|---------|------------------|--------|----------|-------------------|----------|----------|
| DEFAULT | USI_SONIC_161LUP | FN:247 | PRODUCER | 02-Sep-2011 00:26 | 595.0 FT | -40.0 FT |
|---------|------------------|--------|----------|-------------------|----------|----------|

Output DLIS Files

|         |                  |        |          |                   |
|---------|------------------|--------|----------|-------------------|
| DEFAULT | USI_SONIC_165PUP | FN:254 | PRODUCER | 02-Sep-2011 01:12 |
| RTB     | USI_SONIC_165PUP | FN:255 | PRODUCER | 02-Sep-2011 01:12 |

OP System Version: 19C0-187

|        |          |         |          |
|--------|----------|---------|----------|
| USIT-D | 19C0-187 | DSLTL-H | 19C0-187 |
| SGT-N  | 19C0-187 | DTC-H   | 19C0-187 |
| CAL-Y  | 19C0-187 |         |          |

PIP SUMMARY

Time Mark Every 60 S

GR > 400  
From LHT1 to GR2

GR > 200  
From LHT1 to GR1

Transit Time (Sliding Gate) (TTSI )

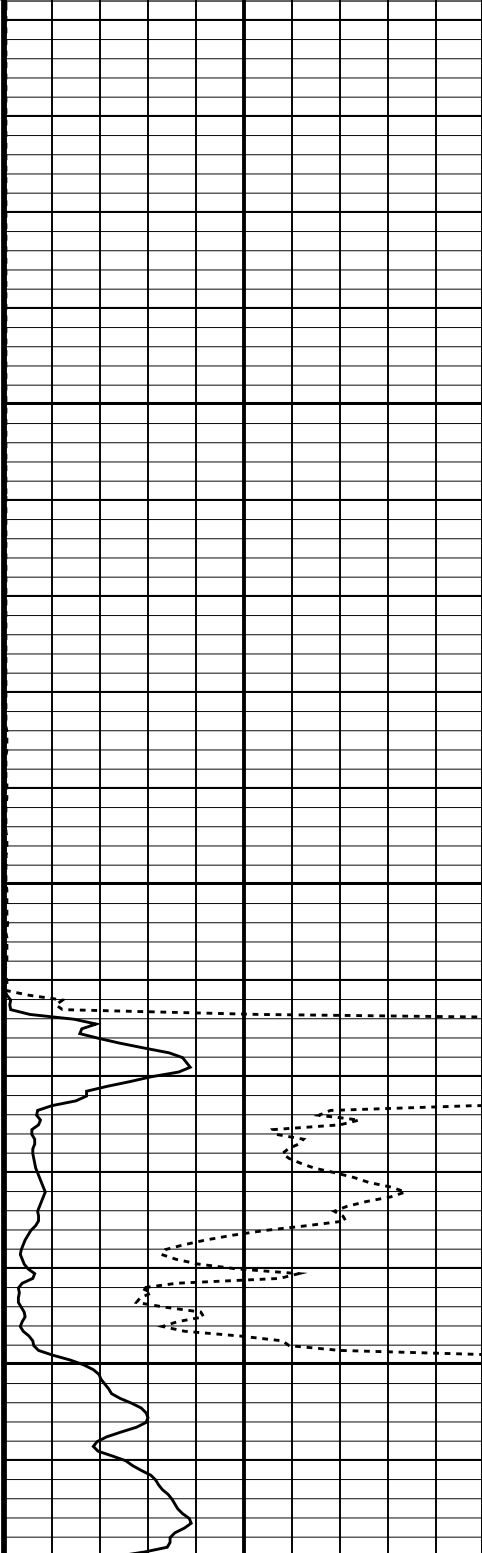
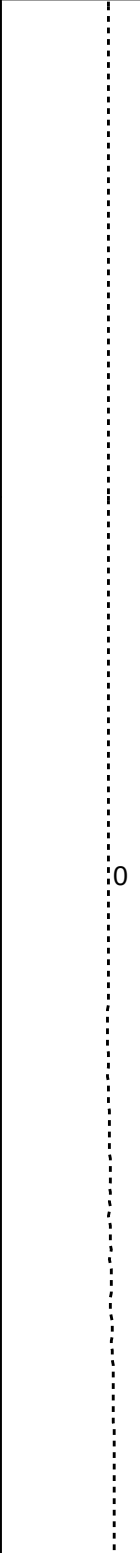
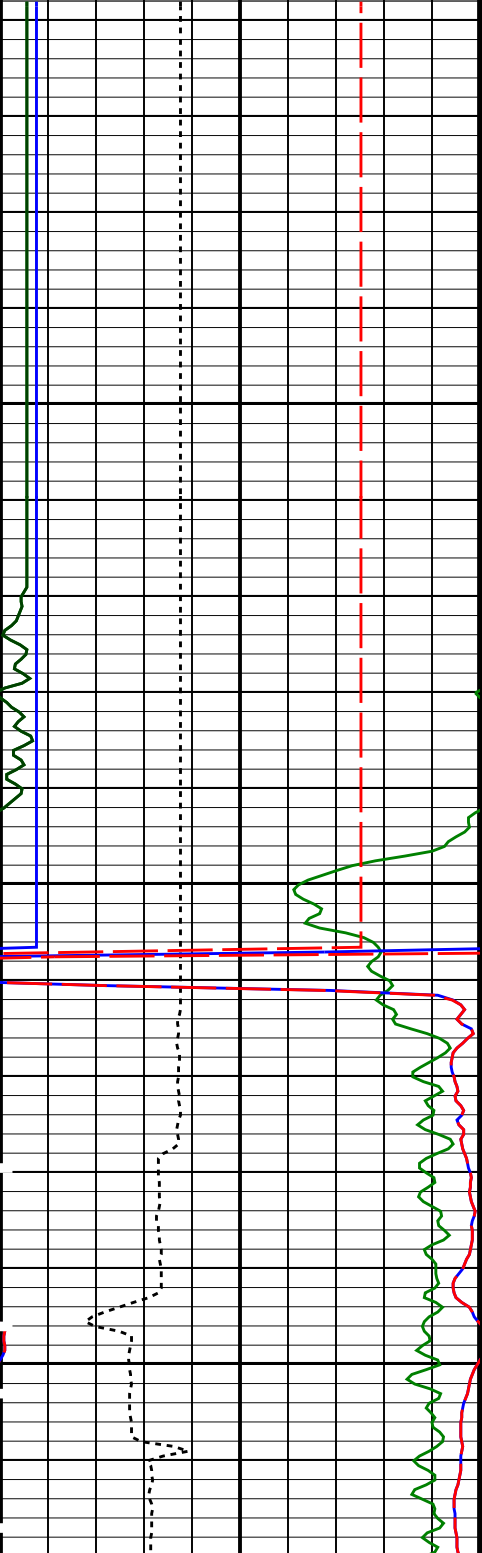
|                    |                                 |     |
|--------------------|---------------------------------|-----|
| 400                | Transit Time (Timing Gate) (US) | 200 |
| Transit Time (TT)  |                                 |     |
| 400                | (US)                            | 200 |
| Gamma Ray 2 (ECGR) |                                 |     |
| 400                | (GAPI)                          | 600 |
| Gamma Ray 1 (ECGR) |                                 |     |
| 200                | (GAPI)                          | 400 |
| Gamma Ray (ECGR)   |                                 |     |
| 0                  | (GAPI)                          | 200 |

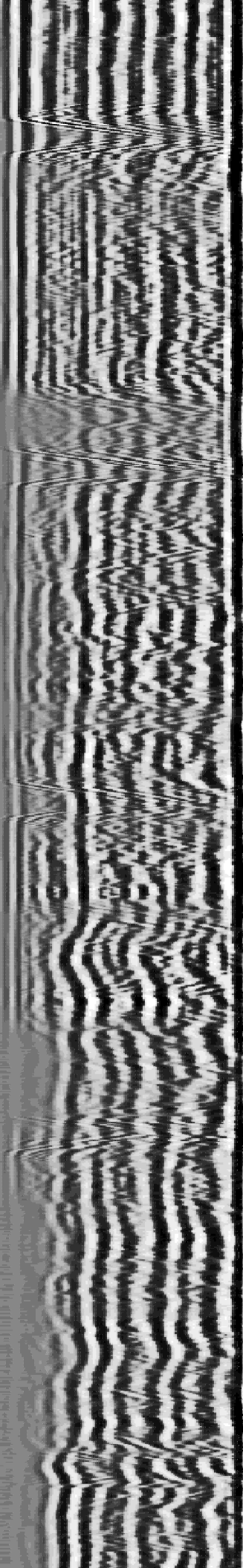
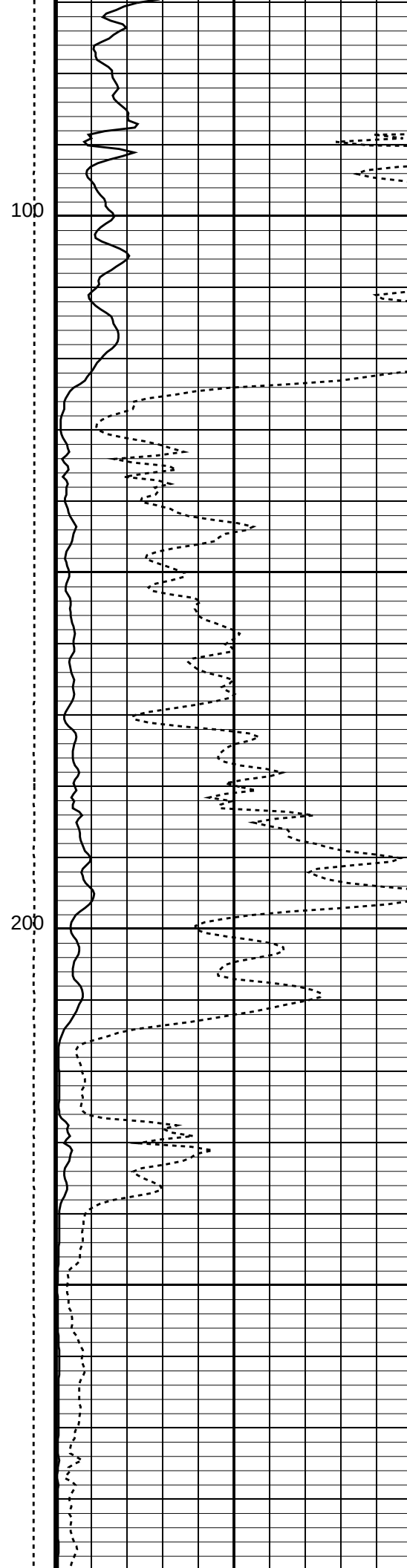
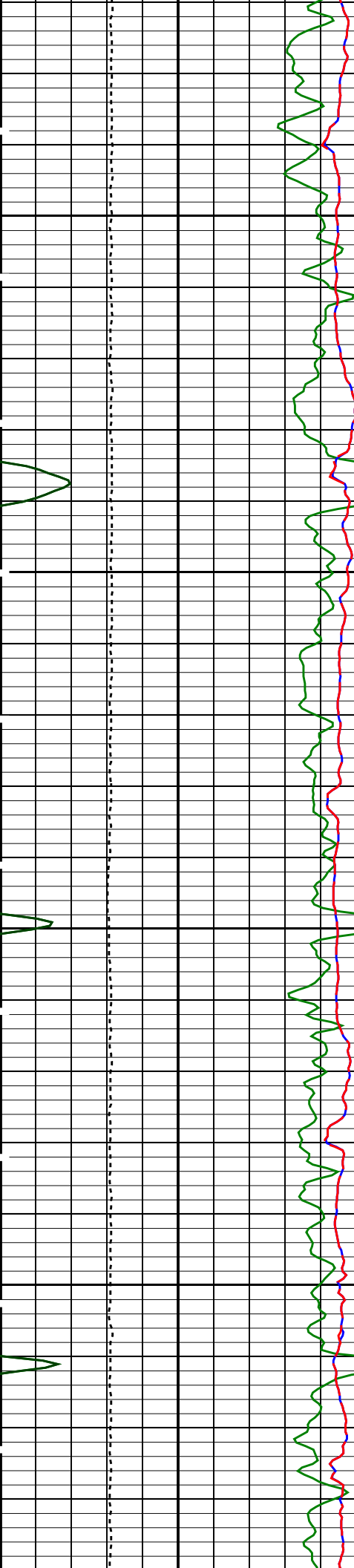
|                  |        |      |
|------------------|--------|------|
| Cable Speed (CS) |        |      |
| 0                | (F/HR) | 4000 |

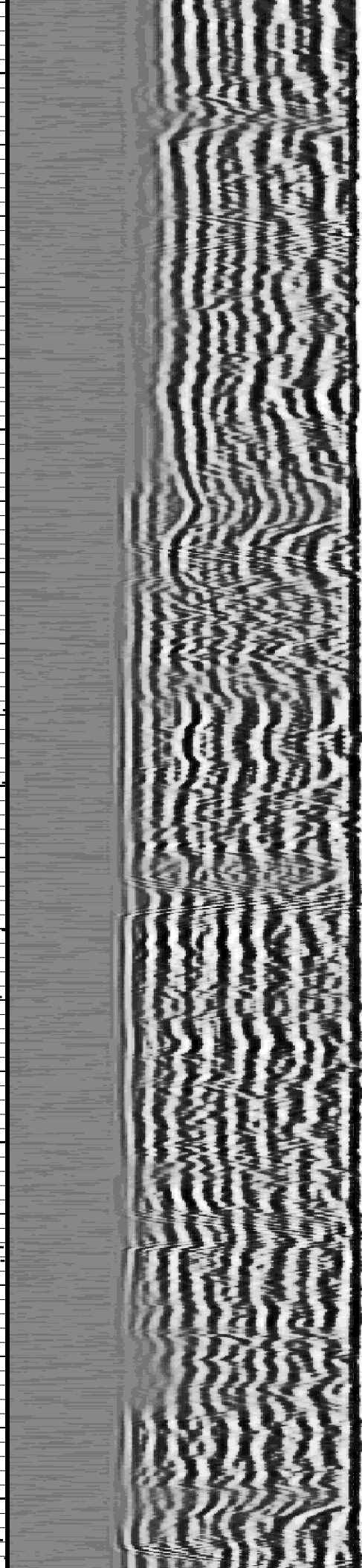
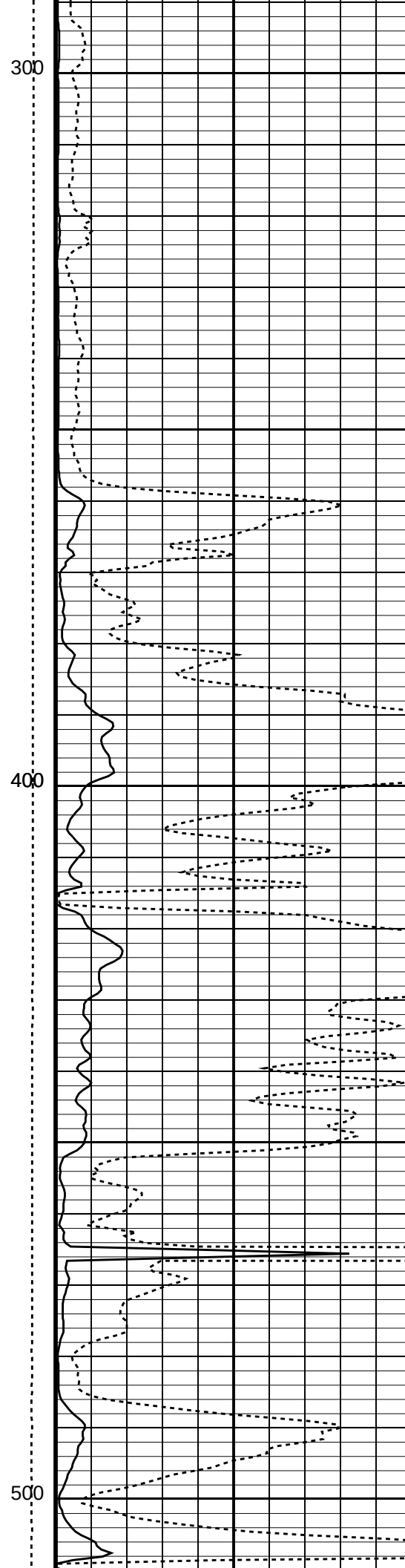
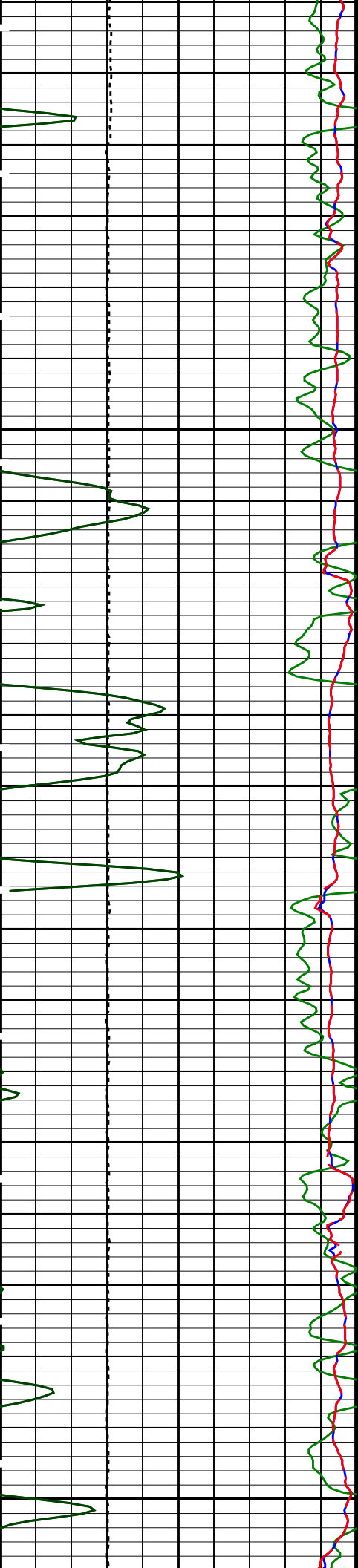
|                |       |   |
|----------------|-------|---|
| Tension (TENS) |       |   |
| 4000           | (LBF) | 0 |

|                     |      |     |
|---------------------|------|-----|
| CBL Amplitude (CBL) |      |     |
| 0                   | (MV) | 100 |
| CBL Amplitude (CBL) |      |     |
| 0                   | (MV) | 10  |

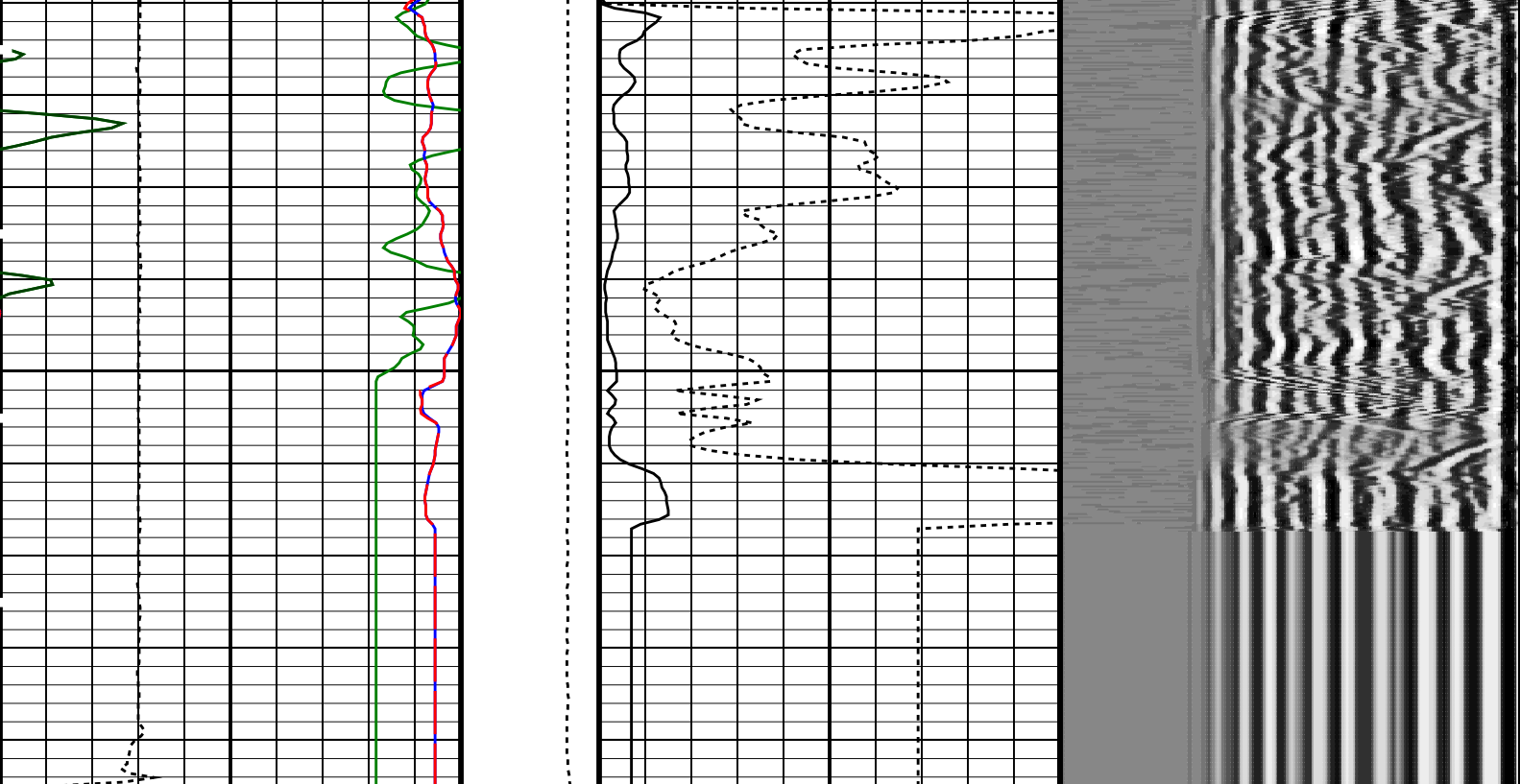
|                           |           |      |
|---------------------------|-----------|------|
| Min                       | Amplitude | Max  |
| VDL VariableDensity (VDL) |           |      |
| 200                       | (US)      | 1200 |











|                                            |  |                             |                             |                                   |           |     |
|--------------------------------------------|--|-----------------------------|-----------------------------|-----------------------------------|-----------|-----|
| Cable Speed (CS)<br>(F/HR)                 |  | Tension<br>(TENS)<br>(LBF)  | CBL Amplitude (CBL)<br>(MV) | Min                               | Amplitude | Max |
| 0                                          |  | 4000                        | 0                           | 200                               |           |     |
| 4000                                       |  | 0                           | 10                          | 1200                              |           |     |
| Gamma Ray (ECGR)<br>(GAPI)                 |  | CBL Amplitude (CBL)<br>(MV) |                             | VDL VariableDensity (VDL)<br>(US) |           |     |
| 0                                          |  | 0                           |                             | 200                               |           |     |
| 200                                        |  | 100                         |                             |                                   |           |     |
| Gamma Ray 1 (ECGR)<br>(GAPI)               |  |                             |                             |                                   |           |     |
| 200                                        |  |                             |                             |                                   |           |     |
| 400                                        |  |                             |                             |                                   |           |     |
| Gamma Ray 2 (ECGR)<br>(GAPI)               |  |                             |                             |                                   |           |     |
| 400                                        |  |                             |                             |                                   |           |     |
| 600                                        |  |                             |                             |                                   |           |     |
| Transit Time (TT)<br>(US)                  |  |                             |                             |                                   |           |     |
| 400                                        |  |                             |                             |                                   |           |     |
| 200                                        |  |                             |                             |                                   |           |     |
| Transit Time (Sliding Gate) (TTSL)<br>(US) |  |                             |                             |                                   |           |     |
| 400                                        |  |                             |                             |                                   |           |     |
| 200                                        |  |                             |                             |                                   |           |     |
| GR > 200<br>From LHT1 to GR1               |  |                             |                             |                                   |           |     |
| GR > 400<br>From LHT1 to GR2               |  |                             |                             |                                   |           |     |

#### PIP SUMMARY

Time Mark Every 60 S

Format: CBL\_VDL\_Feb2011\_1

Vertical Scale: 5" per 100'

Graphics File Created: 02-Sep-2011 01:12

### OP System Version: 19C0-187

|        |          |        |          |
|--------|----------|--------|----------|
| USIT-D | 19C0-187 | DSLT-H | 19C0-187 |
| SGT-N  | 19C0-187 | DTC-H  | 19C0-187 |
| CAL-Y  | 19C0-187 |        |          |

### Information for DSLT Sonde Status and Casing Features ###

|                     |              |
|---------------------|--------------|
| Sonde Type          | Not Recorded |
| Sonde Serial Number | 1229         |



|                                                    |              |
|----------------------------------------------------|--------------|
| Casing Size (CSIZ)                                 | 13.3750 IN   |
| Casing Weight (CWEI)                               | 48.0 LB/F    |
| Expected CBL Amplitude in Free Pipe Section (CBRA) | 42.0 MV      |
| Minimum Sonic Amplitude (MSA : 100% Cement)        | 0.823071 MV  |
| Minimum Sonic Amplitude (MSA : 80% Cement)         | 1.80717 MV   |
| Date of Master Calibration                         | 8-AUG-2011   |
| CBL Correction Factor (Master Calibration)         | 3.70760      |
| Depth of Before Calibration (BDEP)                 | Not Recorded |
| CBL Adjustment Factor (CBAF : Before Calibration)  | 1.0          |

## Parameters

| DLIS Name                               | Description                           | Value     |      |
|-----------------------------------------|---------------------------------------|-----------|------|
| USIT-D: Ultrasonic Imaging – D          |                                       |           |      |
|                                         | Corrosion range maximum               | 0.076     | IN   |
|                                         | Corrosion range minimum               | –0.076    | IN   |
|                                         | T^3 Processing Length for FPM         | 26.648    | US   |
| DSLT-H: Digitizing Sonic Logging Tool   |                                       |           |      |
|                                         | Telemetry Mode                        | DSLCL_FTB |      |
|                                         | DSLT Firing Mode                      | CBL_W     |      |
| AMSG                                    | Auxiliary Minimum Sliding Gate        | 250       | US   |
| CBAF                                    | CBL Adjustment Factor                 | 1         |      |
| CBLG                                    | CBL Gate Width                        | 45        | US   |
| DDEL                                    | Digitizing Delay                      | 0         | US   |
| DRCS                                    | DSLT DLIS Recording Size              | 120       |      |
| DSIN                                    | Digitizing Sample Interval            | 10        |      |
| DTFS                                    | DSLCL Telemetry Frame Size            | 266       |      |
| DWCO                                    | Digitizing Word Count                 | 120       |      |
| GAI                                     | Manual Gain                           | 40        |      |
| MAHTR                                   | Manual High Threshold Reference       | 35        |      |
| MGAI                                    | Maximum Gain                          | 1000      |      |
| MNHTR                                   | Minimum High Threshold Reference      | 28        |      |
| NMSG                                    | Near Minimum Sliding Gate             | 387       | US   |
| NMXG                                    | Near Maximum Sliding Gate             | 750       | US   |
| RATE                                    | Firing Rate                           | R15       |      |
| SFAF                                    | Sonic Formation Attenuation Factor    | 0         | DB/F |
| SGCL                                    | Sliding Gate Closing Delta–T          | 250       | US/F |
| SGDT                                    | Sliding Gate Delta–T                  | 57        | US/F |
| SGW                                     | Sliding Gate Width                    | 80        | US   |
| SLEV                                    | Signal Level for AGC                  | 5000      |      |
| VDLG                                    | VDL Manual Gain                       | 5         |      |
| WAGC                                    | Waveform AGC Allow/Disallow           | OFF       |      |
| WMOD                                    | Waveform Firing Mode                  | FULL      |      |
| SGT-N: Scintillation Gamma Ray Tool – N |                                       |           |      |
| BHS                                     | Borehole Status                       | CASED     |      |
| GCSE                                    | Generalized Caliper Selection         | BS        |      |
| ISSBAR                                  | Barite Mud Switch                     | NOBARITE  |      |
| SOGR                                    | SGT Standoff Distance                 | 0         | IN   |
| STI: Stuck Tool Indicator               |                                       |           |      |
| LBFR                                    | Trigger for MAXIS First Reading Label | TDL       |      |
| STKT                                    | STI Stuck Threshold                   | 2.5       | FT   |
| TDD                                     | Total Depth – Driller                 | 1528.00   | FT   |
| TDL                                     | Total Depth – Logger                  | 590.00    | FT   |
| System and Miscellaneous                |                                       |           |      |
| BS                                      | Bit Size                              | 17.500    | IN   |
| CSIZ                                    | Current Casing Size                   | 13.375    | IN   |
| CWEI                                    | Casing Weight                         | 48.00     | LB/F |
| DFD                                     | Drilling Fluid Density                | 9.30      | LB/G |
| DO                                      | Depth Offset for Playback             | 0.0       | FT   |
| PP                                      | Playback Processing                   | NORMAL    |      |

## Input DLIS Files

|         |                  |        |          |                   |          |          |
|---------|------------------|--------|----------|-------------------|----------|----------|
| DEFAULT | USI_SONIC_161LUP | FN:247 | PRODUCER | 02-Sep-2011 00:26 | 595.0 FT | -40.0 FT |
|---------|------------------|--------|----------|-------------------|----------|----------|

## Output DLIS Files

|         |                  |        |          |                   |
|---------|------------------|--------|----------|-------------------|
| DEFAULT | USI_SONIC_165LUP | FN:254 | PRODUCER | 02-Sep-2011 01:12 |
|---------|------------------|--------|----------|-------------------|

Schlumberger

REPEAT SECTION

MAXIS Field Log

Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Input DLIS Files

|         |                  |        |          |                   |          |         |
|---------|------------------|--------|----------|-------------------|----------|---------|
| DEFAULT | USI_SONIC_156LUP | FN:237 | PRODUCER | 01-Sep-2011 23:44 | 595.0 FT | 47.5 FT |
|---------|------------------|--------|----------|-------------------|----------|---------|

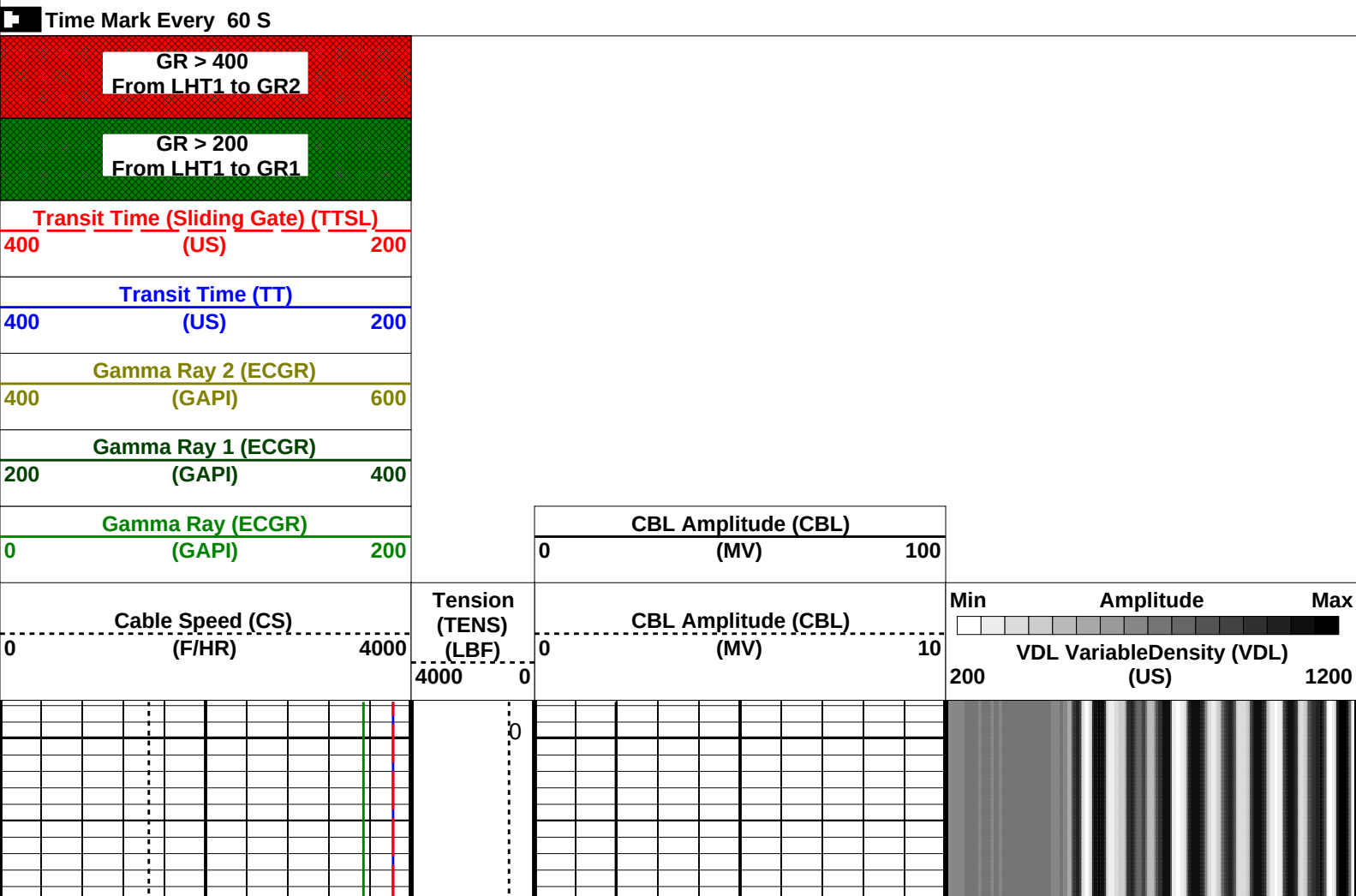
Output DLIS Files

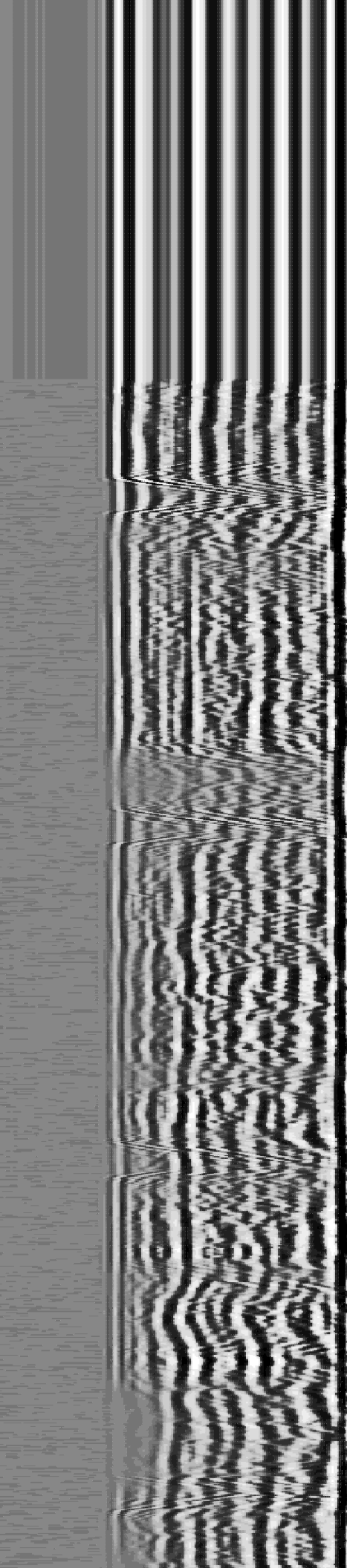
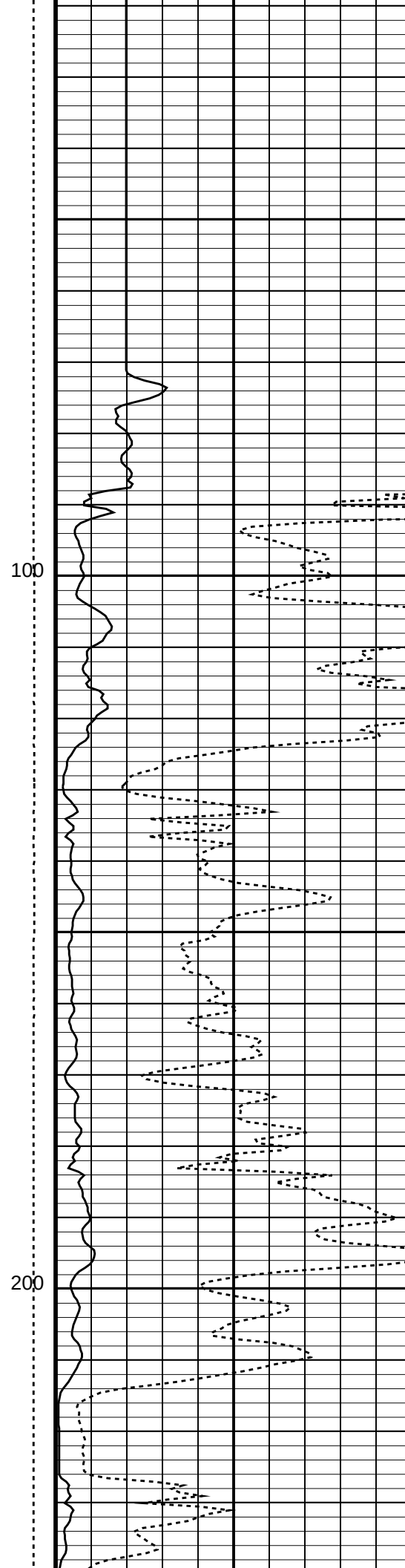
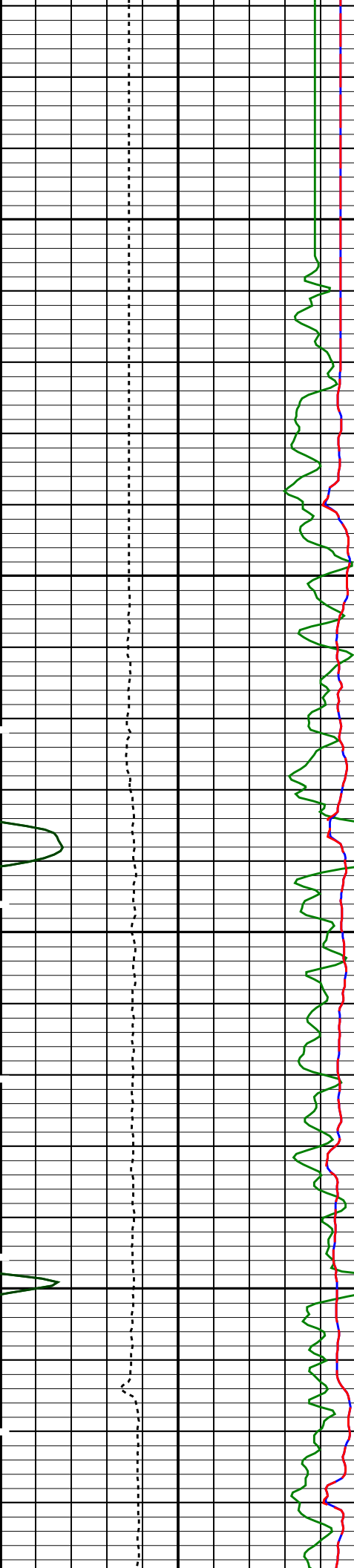
|         |                  |        |          |                   |
|---------|------------------|--------|----------|-------------------|
| DEFAULT | USI_SONIC_164PUP | FN:252 | PRODUCER | 02-Sep-2011 01:08 |
| RTB     | USI_SONIC_164PUP | FN:253 | PRODUCER | 02-Sep-2011 01:08 |

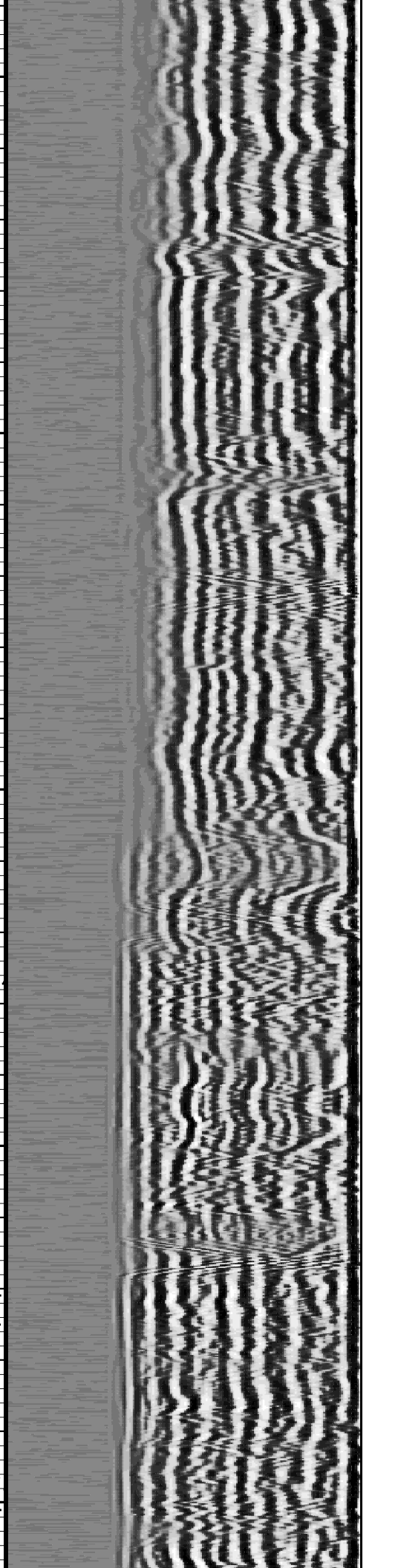
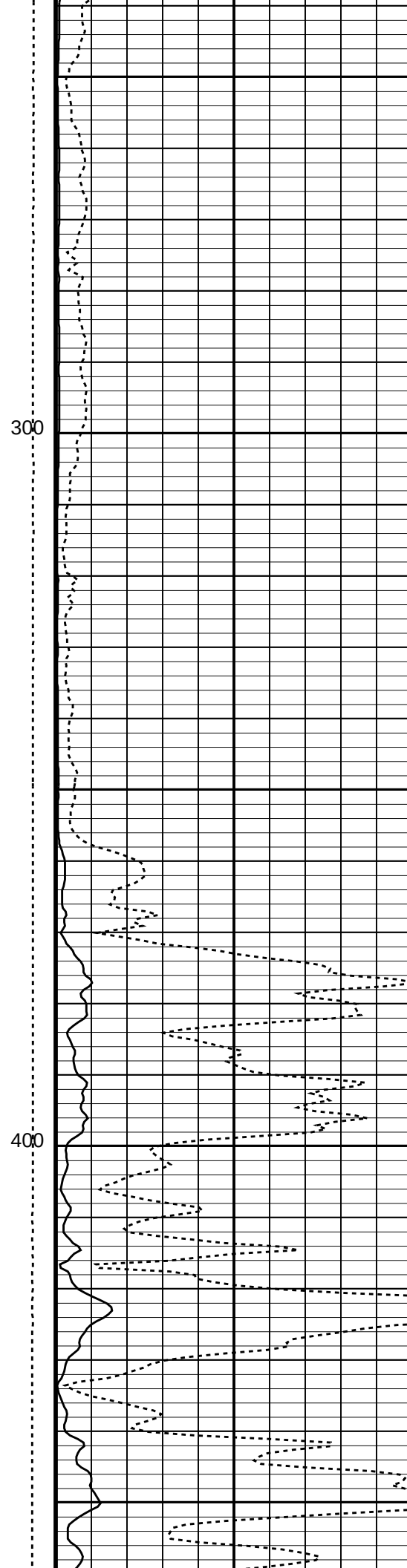
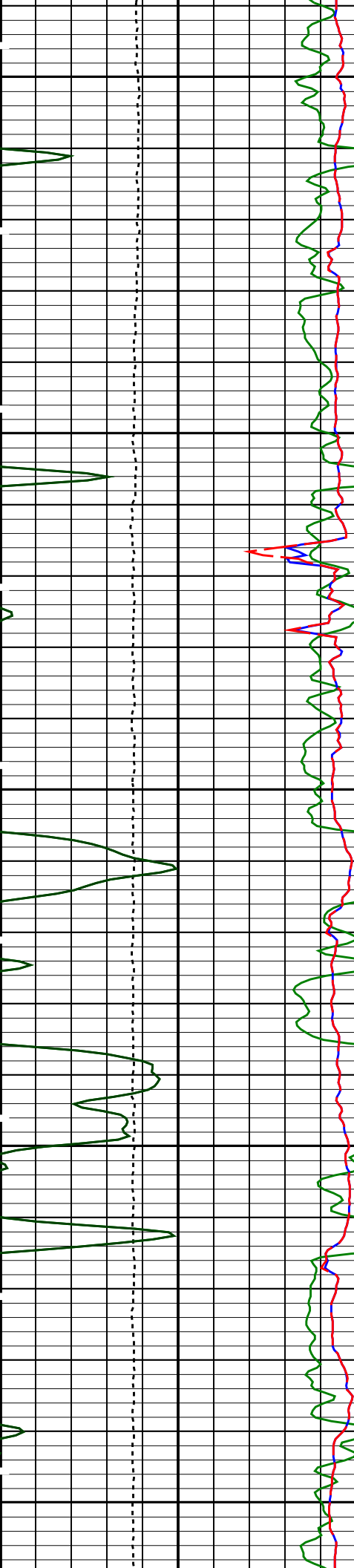
OP System Version: 19C0-187

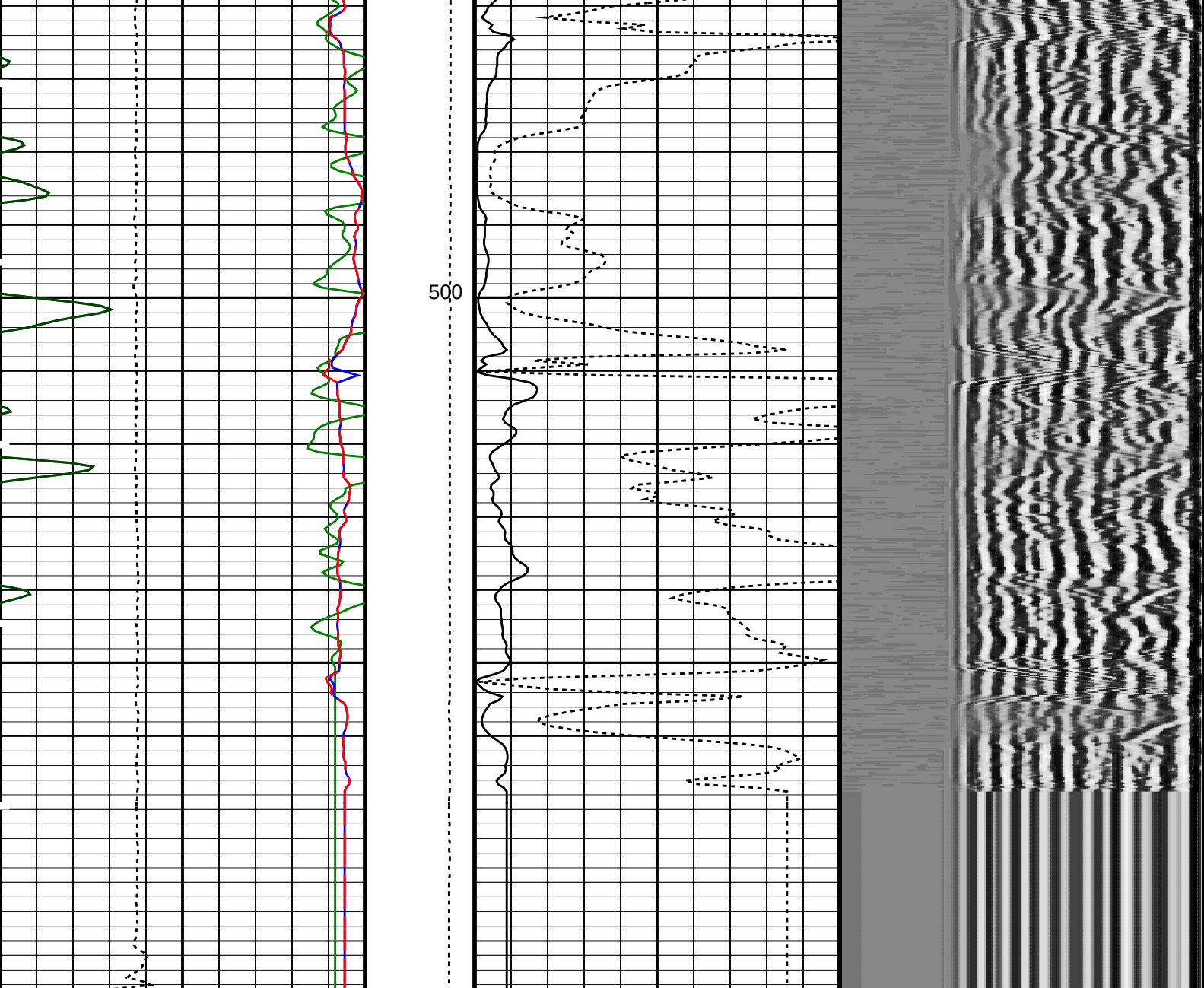
|        |          |        |          |
|--------|----------|--------|----------|
| USIT-D | 19C0-187 | DSLT-H | 19C0-187 |
| SGT-N  | 19C0-187 | DTC-H  | 19C0-187 |
| CAL-Y  | 19C0-187 |        |          |

PIP SUMMARY









Cable Speed (CS)  
(F/HR)

0 4000

Tension  
(TENS)  
(LBF)

4000 0

CBL Amplitude (CBL)  
(MV)

0 10

Min Amplitude Max  
200 VDL VariableDensity (VDL) 1200  
(US)

Gamma Ray (ECGR)  
(GAPI)

0 200

Gamma Ray 1 (ECGR)  
(GAPI)

200 400

Gamma Ray 2 (ECGR)  
(GAPI)

400 600

Transit Time (TT)  
(US)

400 200

Transit Time (Sliding Gate) (TTSL)  
(US)

400 200

GR > 200  
From LHT1 to GR1

GR > 400  
From LHT1 to GR2

CBL Amplitude (CBL)  
(MV)

0 100

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |                             |                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|------------------------------------------|
| Time Mark Every 60 S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |                             |                                          |
| Format: CBL_VDL_Feb2011_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         | Vertical Scale: 5" per 100' | Graphics File Created: 02-Sep-2011 01:08 |
| OP System Version: 19C0-187                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                         |                             |                                          |
| USIT-D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 19C0-187                                | DSLT-H                      | 19C0-187                                 |
| SGT-N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 19C0-187                                | DTC-H                       | 19C0-187                                 |
| CAL-Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 19C0-187                                |                             |                                          |
| <div> <div>### Information for DSLT Sonde Status and Casing Features ###</div> <div> <div>Sonde Type</div> <div>Not Recorded</div> </div> <div> <div>Sonde Serial Number</div> <div>1229</div> </div> <div> <div>Casing Size (CSIZ)</div> <div>13.3750 IN</div> </div> <div> <div>Casing Weight (CWEI)</div> <div>48.0 LB/F</div> </div> <div> <div>Expected CBL Amplitude in Free Pipe Section (CBRA)</div> <div>42.0 MV</div> </div> <div> <div>Minimum Sonic Amplitude (MSA : 100% Cement)</div> <div>0.823071 MV</div> </div> <div> <div>Minimum Sonic Amplitude (MSA : 80% Cement)</div> <div>1.80717 MV</div> </div> <div> <div>Date of Master Calibration</div> <div>8-AUG-2011</div> </div> <div> <div>CBL Correction Factor (Master Calibration)</div> <div>3.70760</div> </div> <div> <div>Depth of Before Calibration (BDEP)</div> <div>Not Recorded</div> </div> <div> <div>CBL Adjustment Factor (CBAF : Before Calibration)</div> <div>1.0</div> </div> </div> |                                         |                             |                                          |
| Parameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |                             |                                          |
| DLIS Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Description                             | Value                       |                                          |
| USIT-D: Ultrasonic Imaging - D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Corrosion range maximum                 | 0.076                       | IN                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Corrosion range minimum                 | -0.076                      | IN                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | T^3 Processing Length for FPM           | 26.648                      | US                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |                             |                                          |
| DSLT-H: Digitizing Sonic Logging Tool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Telemetry Mode                          | DSL_C_FTB                   |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DSLT Firing Mode                        | CBL_W                       |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Auxiliary Minimum Sliding Gate          | 250                         | US                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CBL Adjustment Factor                   | 1                           |                                          |
| AMSG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CBL Gate Width                          | 45                          | US                                       |
| CBAF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Digitizing Delay                        | 0                           | US                                       |
| CBLG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DSLT DLIS Recording Size                | 120                         |                                          |
| DDEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Digitizing Sample Interval              | 10                          |                                          |
| DRCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DSL_C Telemetry Frame Size              | 266                         |                                          |
| DSIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Digitizing Word Count                   | 120                         |                                          |
| DTFS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Manual Gain                             | 40                          |                                          |
| DWCO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Manual High Threshold Reference         | 35                          |                                          |
| GAI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Maximum Gain                            | 1000                        |                                          |
| MAHTR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Minimum High Threshold Reference        | 28                          |                                          |
| MGAI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Near Minimum Sliding Gate               | 387                         | US                                       |
| MNHTR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Near Maximum Sliding Gate               | 750                         | US                                       |
| NMSG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Firing Rate                             | R15                         |                                          |
| NMXG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sonic Formation Attenuation Factor      | 0                           | DB/F                                     |
| RATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sliding Gate Closing Delta-T            | 250                         | US/F                                     |
| SFAF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sliding Gate Delta-T                    | 57                          | US/F                                     |
| SGCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sliding Gate Width                      | 80                          | US                                       |
| SGDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Signal Level for AGC                    | 5000                        |                                          |
| SGW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | VDL Manual Gain                         | 5                           |                                          |
| SLEV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Waveform AGC Allow/Disallow             | OFF                         |                                          |
| VDLG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Waveform Firing Mode                    | FULL                        |                                          |
| WAGC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SGT-N: Scintillation Gamma Ray Tool - N |                             |                                          |
| WMOD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Borehole Status                         | CASED                       |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Generalized Caliper Selection           | BS                          |                                          |
| BHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Barite Mud Switch                       | NOBARITE                    |                                          |
| GCSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SGT Standoff Distance                   | 0                           | IN                                       |
| ISSBAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | STI: Stuck Tool Indicator               |                             |                                          |
| SOGR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Trigger for MAXIS First Reading Label   | TDL                         |                                          |

|                          |                                       |         |      |
|--------------------------|---------------------------------------|---------|------|
| LBPR                     | Trigger for MAXIS First Reading Label | TDL     |      |
| STKT                     | STI Stuck Threshold                   | 2.5     | FT   |
| TDD                      | Total Depth - Driller                 | 1528.00 | FT   |
| TDL                      | Total Depth - Logger                  | 590.00  | FT   |
| System and Miscellaneous |                                       |         |      |
| BS                       | Bit Size                              | 17.500  | IN   |
| CSIZ                     | Current Casing Size                   | 13.375  | IN   |
| CWEI                     | Casing Weight                         | 48.00   | LB/F |
| DFD                      | Drilling Fluid Density                | 9.30    | LB/G |
| DO                       | Depth Offset for Playback             | 0.0     | FT   |
| PP                       | Playback Processing                   | NORMAL  |      |

### Input DLIS Files

|         |                  |        |          |                   |          |         |
|---------|------------------|--------|----------|-------------------|----------|---------|
| DEFAULT | USI_SONIC_156LUP | FN:237 | PRODUCER | 01-Sep-2011 23:44 | 595.0 FT | 47.5 FT |
|---------|------------------|--------|----------|-------------------|----------|---------|

### Output DLIS Files

|         |                  |        |          |                   |
|---------|------------------|--------|----------|-------------------|
| DEFAULT | USI_SONIC_164PUP | FN:252 | PRODUCER | 02-Sep-2011 01:08 |
| RTB     | USI_SONIC_164PUP | FN:253 | PRODUCER | 02-Sep-2011 01:08 |

Company: **SANDIA TECHNOLOGIES, LLC**

**Schlumberger**

Well: **NYSTA TANDEM LOT 1**

Field: **WILDCAT**

County: **ROCKLAND**

State: **NEW YORK**

DIGITAL SONIC LOGGING TOOL  
CEMENT BOND LOG / VARIABLE DENSITY LOG  
GAMMA RAY / CCL