Enclosure 1

Florida Power & Light Company Turkey Point Units 6 & 7
Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #10 dated July 15, 2011

Note
Pages 36 through 103 were originally part of single strip charts that have been segmented to 8.5 by 11 pages for processing

WEEKLY CONSTRUCTION SUMMARY

MHC
McNabb Hydrogeologic Consulting, Inc.
601 Heritage Drive, Suite 110
Jupiter, Florida 33458
Phone: 561-891-0763
Fax: 561-623-5469

July 15, 2011 MHCDEP-11-299

Mr. Joseph May, P.G.
Florida Department of Environmental Protection
400 N. Congress Ave, Suite 200
West Palm Beach, FL 33401

RE: Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #10

Dear Mr. May:

This is the tenth weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, July 7, 2011 and ended at 7:00 AM, Thursday, July 14, 2011. Consultant and drilling contractor daily reports were prepared for this reporting period. Copies of the consultant and drilling contractor daily construction logs are attached.

During the previous reporting period the drilling contractor completed pilot hole drilling to a depth of 1,655 feet below pad level (bpl) and was conditioning the pilot hole for geophysical logging.

The drilling contractor spent this reporting period conditioning the pilot hole for geophysical logging and performing geophysical logs. Logs performed include caliper, gamma ray, dual-induction, spontaneous potential, borehole complensated sonic, fluid conductivity, temperature, and flowmeter. The fluid conductivity, temperature, and flowmeter logs were performed under static and pumping conditions. All other logs were performed under static conditions. Copies of the geophysical logs are attached. The pilot hole was killed with a mixture of barite and bentonite during the reporting period. A daily kill material log providing a summary of daily kill material and kill volume is attached. The drilling contractor was preparing to perform a packer test on the interval from 1,505 to 1,535 feet bpl at the end of the reporting period. A pilot hole water quality summary sheet providing laboratory results for pilot hole water samples collected during the previous reporting period is also attached.

There was no coring, casing installation, cementing, packer testing or exploratory well development during this reporting period. There were no construction related issues during this reporting period.

During the next reporting period, it is anticipated that the drilling contractor will perform packer testing on selected intervals. After completing packer testing, the pilot hole will be backplugged with cement.

In addition, sampling of the pad monitor wells began on April 21, 2011 and has been taking place on a weekly basis since the initial sampling. The pad monitor wells were most recently sampled on July 13, 2011. The most recent set of pad monitoring well sample results available is for samples collected on July 8, 2011. Sampling of the pad monitor wells around EW-1 will continue until drilling and testing of EW-1 has been completed. Copies of the pad monitor wells data summary sheets are attached.

Should you have any questions regarding the above weekly construction summary, please contact David McNabb at (561) 891-0763.

Sincerely,

McNabb Hydrogeologic Consulting, Inc.

7/15/11

David McNabb, P.G.

Attachments: Consultant Daily Construction Logs
Drilling Contractor Daily Construction Logs
Pad Monitor Well Summary Sheets
Pilot Hole Water Quality Summary Sheet
Daily Kill Material Log
Geophysical Logs

Cc: George Heuler/FDEP-Tallahassee
Steve Anderson/SFWMD
Matthew Raffenberg/FPL
David Holtz/HCE
Joe Haberfeld/FDEP-Tallahassee
Ron Reese/USGS
David Paul/FGS

MHC McNabb Hydrogeologic Consulting, Inc.

ASR US, LLC

Daily Construction Log

Date: July 7, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,655 feet bpl
Weather Day: Cloudy, Rain
Weather Night: Cloudy, Rain
Activity: Prepare for Geophysical Logging

FDEP UIC Permit #:0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 1,655 feet bpl
Recorded By: Deborah Daigle/Sally Durall

CONSTRUCTION ACTIVITIES

0700 The drilling contractor begins to trip the drill pipe with a logging bell back inside the 44-inch diameter casing to continue conditioning the open borehole and preparation for geophysical logging.

1030 The geophysical logging subcontractor (MV Geophysical Survey) is on site. Set up equipment for logging.

1300 The geophysical logging subcontractor is running the caliper tool in the hole.

1310 The caliper tool has encountered an obstruction in the hole at a depth of 1,099 feet below pad level (bpl). The caliper tool is removed from the hole and the drilling contractor will add a 10-foot extension on to the drill pipe in an attempt to bypass the obstruction.

1340 The geophysical logging subcontractor is running the caliper tool back into the hole.

1345 The caliper tool has encountered an obstruction in the hole at a depth of 1,105 feet bpl. The caliper tool is removed from the hole. The drilling contractor will trip the drill pipe out of the hole and trip back in with the 12 ¼ -inch drill bit to the bottom of the borehole to clear the obstruction.

1624 The drilling contractor continues to trip out of the hole with the drill pipe and logging bell.

1700 The drilling contractor has tripped out of the hole with the drill pipe and logging bell, and is preparing to trip in with the 12 ¼ inch diameter bit.

1745 Begin tripping in the hole with the 12 ¼-inch diameter bit.

2025 Resume tripping into the hole with the 12 ¼-inch diameter bit.

2310 The drilling contractor tags the bottom of the pilot hole at 1,647 feet bpl.

2325 The drilling contractor begins to install the air line and will clean out the pilot hole to 1,655 feet bpl.

0330 The drilling contractor has circulated the hole clean to a depth of 1,655 feet bpl and currently tripping the air line out of the drill pipe.

0400 The drilling contractor is mixing bentonite and barite to add additional kill to suppress flow.

0700 Begin tripping out of the borehole with the 12 ¼-inch diameter bit. No additional kill was added.

MHC McNabb Hydrogeologic Consulting, Inc.

ASR US, LLC

Daily Construction Log

Date: July 8, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,655 feet bpl
Weather Day: Mostly Cloudy, Hot
Weather Night: Clear, Humid
Activity: Prepare for Geophysical Logging

FDEP UIC Permit #:0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 1,655 feet bpl
Recorded By: Deborah Daigle/Sally Durall

CONSTRUCTION ACTIVITIES

0700 The drilling contractor begins tripping out of the borehole with the 12 ¼-inch diameter bit.

1005 The drilling contractor is killing the well with a mixture of bentonite and barite.

1020 Florida Spectrum Environmental Services is on site to sample the pad monitor wells.

1430 The drilling contractor has killed the well.

1545 The drilling contractor is continuing with tripping the drill pipe out of the hole.

1700 The drilling contractor has removed the 12 ¼ inch bit from the hole and will now trip into the hole with the logging bell.

1720 The drilling contractor begins tripping in the hole with the drill pipe and logging bell.

1830 The drilling contractor has tripped the logging bell in the hole to a depth of 1,098 feet below pad level (bpl). Begin bringing the well alive by removing the kill out of the casing.

1920 The well is flowing and the drilling contractor begins to trip the air line out of the drill pipe.

1945 The drilling contractor shuts-in the well.

2010 The geophysical logging subcontractor has arrived and is rigging up to run a full suite of geophysical logging on the pilot hole from 1,095 feet bpl to a depth of 1,655 feet bpl. The drilling contractor has installed drill pipe below the base of the 44-inch diameter casing to a depth of 1,098 feet bpl. The geophysical logging will include caliper, gamma ray, dual induction, spontaneous potential, borehole compensated sonic, and fluid resistivity performed under static conditions. Flowmeter, fluid conductivity, and temperature logging will be performed under dynamic and static conditions.

2030 The geophysical logging subcontractor is calibrating the caliper logging tool.

2045 The logging tool has been zeroed to pad level. Begin tripping the logging tool inside the borehole.

2055 The caliper tool tags the base of the pilot hole at a depth of 1,654 feet bpl.

2100 Begin logging up hole.

2140 Caliper logging is complete and the logging tool is on the rig floor. The drilling contractor prepares for dynamic logging.
2145 The temperature and gamma-ray logging tool has been zeroed to pad level.
2150 Begin flowing the well. The initial flow rate is approximately 200 gpm.
2220 A surface pump has been set up to increase the flow from the well.
2235 The flow is approximately 220 gpm. Begin logging gamma ray and dynamic temperature down hole.
2250 Complete temperature and gamma-ray logging. The logging tool tagged the bottom of the hole at approximately 1,650 feet bpl.
2310 The logging tool is on the rig floor. The geophysical logging subcontractor prepares for dynamic flowmeter logging.
2315 The flowmeter logging tool has been zeroed to pad level. The drilling contractor begins to trip the flowmeter tool inside the borehole.
2325 The flowrate is approximately 220 gpm.
2330 Begin logging dynamic flowmeter down hole.
2345 The flowmeter tool is plugging off due to sediments and /or clay material near the base of the borehole (specifically at the depths of 1,390 feet and 1,520 feet bpl).
0000 Stop geophysical logging. The drilling contractor plans to run the 12 ¼-inch diameter bit to the bottom of the borehole and circulate the borehole clean.
0100 The drilling contractor is mixing kill (bentonite and barite).
0410 The drilling contractor begins killing the well.
0435 The drilling contractor begins to trip the drill pipe out of the borehole.
0600 The drilling contractor has stopped tripping the drill pipe out of the hole in order to add kill material.
0700 The drilling contractor continues to kill the well.

MHC McNabb Hydrogeologic Consulting, Inc.

ASR US, LLC

Daily Construction Log

Date: July 9, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,655 feet bpl
Weather Day: Mostly Cloudy, Hot
Weather Night: Clear, Humid
Activity: Borehole Conditioning

FDEP UIC Permit #:0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 1,655 feet bpl
Recorded By: Deborah Daigle/Sally Durall

CONSTRUCTION ACTIVITIES

0700 The drilling contractor attempted to perform a full suite of geophysical logging during the night shift and was unsuccessful due to the presence of kill material near the base of the borehole. The drilling contractor is currently preparing to remove the kill material out of the borehole. The drilling contractor has tripped all but the last stand of drill pipe out of the hole and will add more kill material.
0900 The drilling contractor has connected the 12 ¼ inch drill bit to the drill pipe.
0930 The drilling contractor is tripping the 12 ¼ inch drill bit and drill pipe into the hole.
1200 The drilling contractor has tripped in to the hole with the 12 ¼ inch bit and drill pipe, and begins circulating the borehole clean.
1600 The drilling contractor continues conditioning the borehole.
1830 The drilling contractor continues conditioning the borehole.
2100 The drilling contractor continues conditioning the borehole.
0000 The drilling contractor continues conditioning the borehole.
0300 The drilling contractor continues conditioning the borehole.
0700 The drilling contractor continues conditioning the borehole.

MHC McNabb Hydrogeologic Consulting, Inc.

ASRUS, LLC

Daily Construction Log

Date: July 10, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,655 feet bpl
Weather Day: Mostly Cloudy, Hot
Weather Night: Clear, Humid
Activity: Borehole Conditioning

FDEP UIC Permit #:0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 1,655 feet bpl
Recorded By: Deborah Daigle/Sally Durall

CONSTRUCTION ACTIVITIES

0700 The drilling contractor continued conditioning the borehole during the night shift and plans to continue borehole conditioning throughout the day and evening shifts.
0900 The drilling contractor continues borehole conditioning.
1200 The drilling contractor continues borehole conditioning.
1500 The drilling contractor continues borehole conditioning.
1800 The drilling contractor continues borehole conditioning.
1930 The drilling contractor is currently surging the well via air development.
2100 The drilling contractor continues borehole conditioning.
0000 The drilling contractor continues borehole conditioning.
0300 The drilling contractor continues borehole conditioning.
0500 The drilling contractor has added kill material to the well and will let the kill settle prior to tripping out of the borehole.
0700 The drilling contractor continues to allow the kill to settle in the borehole.

MHC McNabb Hydrogeologic Consulting, Inc.

ASRUS, LLC

Daily Construction Log

Date: July 11, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,655 feet bpl
Weather Day: Ptly Cloudy, Hot
Weather Night: Clear, Humid
Activity: Geophysical Logging

FDEP UIC Permit #:0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 1,655 feet bpl
Recorded By: Deborah Daigle/Sally Durall

CONSTRUCTION ACTIVITIES

0700 The drilling contractor has added kill material to the well at 0500 hours and is allowing the kill to settle prior to tripping out of the borehole with the 12 ¼-inch diameter bit.
1015 The drilling contractor has also begun mixing kill material in the working pit.
1500 The drilling contractor has killed the well and will begin tripping the 12 ¼ inch bit out of the hole.
1600 The drilling contractor has pumped kill material into the well.
1745 The drilling contractor continues to trip the 12 ¼-inch diameter bit out of the borehole.
1820 The bit is on the rig floor and the drilling contractor continues to add kill.
2010 The drilling contractor has successfully killed the well.
2030 The drilling contractor begins to trip in the hole with the drill pipe and logging bell to a depth of 1,098 feet below pad level (bpl).
0005 The drill pipe and logging bell has been installed to 1,098 feet bpl. Begin removing the kill out of the casing to bring the well alive.
0010 The well is flowing and the drilling contractor begins to trip the air line out of the drill pipe.
0050 The geophysical logging subcontractor (MV Geophysical Survey) has arrived on site and is rigging up to run a full suite of geophysical logging on the pilot hole from 1,095 feet bpl to a depth of 1,655 feet bpl. The drilling contractor has installed drill pipe below the base of the 44-inch diameter casing to a depth of 1,098 feet bpl. The geophysical logging will include caliper, gamma ray, dual induction, spontaneous potential, borehole compensated sonic, and fluid resistivity performed under static conditions. Flowmeter, fluid conductivity, and temperature logging will be performed under dynamic and static conditions.
0115 The flow rate from the well is approximately 220 gallons per minute (gpm).
0135 Calibrating the caliper logging tool.
0140 The caliper tool has been zeroed to pad level and installed inside the riser pipe.
0145 Begin tripping the caliper tool inside the borehole.
0155 The logging tool tags the bottom of the borehole at a depth of 1,654 feet bpl.

0200 Begin logging caliper up hole.

0245 Complete caliper logging. The drilling contractor prepares for dynamic logging.

0250 The fluid conductivity, temperature and gamma-ray logging tool has been zeroed to pad level.

0255 Begin flowing the well. The initial flow rate (artesian) is approximately 200 gpm. A surface pump has been set up to increase the flow from the well.

0335 The pumping flow rate is approximately 300 gpm. Begin dynamic fluid conductivity and temperature logging down hole.

0350 Complete fluid conductivity and temperature logging. Stop pumping. The logging tool tagged the bottom of the hole at approximately 1,654 feet bpl. Begin gamma-ray logging up hole.

0410 Complete gamma-ray logging.

0415 The logging tool is on the rig floor. The geophysical logging subcontractor prepares for dynamic flowmeter logging.

0430 The flowmeter logging tool has been zeroed to pad level. The drilling contractor begins to trip the flowmeter tool inside the borehole. The pumping flow rate is approximately 285 gpm.

0440 Begin dynamic flowmeter logging down hole.

0510 The flowmeter runs off the log chart at approximately 1,580 feet bpl due to mud in the bottom of the borehole.

0525 Call to David McNabb, decide to have the contractor complete the remaining static logs, and then the drilling contractor will go back in with the drill pipe to condition the bottom of the borehole, and perform the dynamic logs again.

0540 The flowmeter tool is on the rig floor.

0555 A thief sampler tool is zeroed to pad level and tripped in the borehole to a depth of 1,600 feet bpl to allow a sample of pilot hole fluids to be collected to allow a visual inspection of the fluids.

0605 Collect a thief sample at 1,600 feet bpl.

0610 The thief sampler is on the rig floor. The sampler is opened to reveal thick mud.

0630 The dual induction logging tool is on the rig floor. The geophysical logging subcontractor prepares for dual induction logging.

0645 The dual induction logging tool has been zeroed to pad level. The geophysical logging subcontractor begins to trip the dual induction tool inside the borehole.

0700 The geophysical logging has begun dual induction logging.

MHC McNabb Hydrogeologic Consulting, Inc.

ASR US, LLC

Daily Construction Log

Date: July 12, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,655 feet bpl
Weather Day: Ptly Cloudy, Hot
Weather Night: Clear, Hot
Activity: Geophysical Logging

FDEP UIC Permit #:0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 1,655 feet bpl
Recorded By: Deborah Daigle/Sally Durall

CONSTRUCTION ACTIVITIES

0700 The geophysical logging subcontractor has tripped the dual induction tool inside the borehole and has begun dual induction logging.

0745 Complete dual induction logging. The geophysical logging subcontractor prepares for sonic logging.

0750 The geophysical logging contactor has zeroed the sonic logging tool to pad level and is tripping the tool inside the borehole.

0910 Complete sonic logging. The drilling contractor prepares for static fluid conductivity and temperature logging.

0915 The geophysical logging subcontractor has zeroed the fluid conductivity tool to pad level and is tripping the tool inside the borehole.

1000 Complete static fluid conductivity and temperature log. The drilling contractor is preparing to trip in to the hole to clean out the bottom approximately 70 feet of the borehole. The contractor will mix kill in the working pit prior to tripping in to the hole.

1200 The drilling contractor continues to mix kill prior to tripping into the borehole.

1230 The drilling contractor has begun to run drill pipe into the borehole to depth of 1,580 feet bpl.

1435 The drilling contractor begins pumping fluid to the slurry pit at a depth of 1,580 feet bpl.

1515 The drilling contractor lowers the drill pipe to 1,613 feet bpl and pumps fluid from that depth.

1530 The drilling contractor is lowering the drill pipe to 1,630 feet bpl and will pump fluids from the borehole.

1700 The drilling contractor has lowered the drill pipe to 1,650 feet bpl and will pump fluids from the borehole. The pumped groundwater appears clean and adequate for logging.

1730 The drilling contractor will trip the drill pipe out of the hole up to a depth of 1,526 in preparation for flow logging of the bottom 124 feet of hole.

1840 The geophysical logging subcontractor zeros the flowmeter tool to pad level and begins tripping the logging tool in the borehole.

1850 Begin static flowmeter logging from a depth of 1,420 feet bpl.
1855 Complete static flowmeter logging. Begin pumping the well.
1905 The pumping rate is approximately 300 gallons per minute (gpm).
1910 Begin dynamic flowmeter logging from a depth of 1,455 feet bpl.
1915 Complete dynamic flowmeter logging.
1925 The logging tool is on the rig floor.
1930 The geophysical logging subcontractor zeros the temperature and fluid conductivity tool to pad level and begins to trip the logging tool in the borehole.
1940 Begin static temperature and fluid conductivity logging.
1945 Complete temperature and fluid conductivity logging. Begin pumping the well.
1950 The pumping flow rate is established at 300 gpm.
1955 Begin dynamic temperature and fluid conductivity logging.
2000 Complete dynamic temperature and fluid conductivity logging.
2010 The logging tool is on the rig floor.
2215 The drilling contractor begins tripping the drill pipe out of the borehole. They killed the drill pipe prior to beginning to trip out of the hole.
0055 The drilling contractor has competed tripping the drill pipe out of the borehole. MHC will determine packer depth intervals to be tested.
0700 The drilling contractor is preparing for packer testing.

MHC McNabb Hydrogeologic Consulting, Inc.

ASRUS, LLC

Daily Construction Log

Date: July 13, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,655 feet bpl
Weather Day: Ptly Cloudy, Hot
Weather Night: Rain Early Shift, Clear
Activity: Geophysical Logging/Packer Test Prep.

FDEP UIC Permit #:0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 1,655 feet bpl
Recorded By: Deborah Daigle/Sally Durall

CONSTRUCTION ACTIVITIES

0700 The geophysical logging has been completed and the drilling contractor has tripped most of the drill pipe out of the hole and is preparing for packer testing. McNabb Hydrogeologic Consulting, Inc. (MHC) is determining the packer depth intervals to be tested.

0730 Following review of the geophysical log data, David McNabb/MHC has selected the intervals from 1,505 to 1,535 and 1,400 to 1,430 feet below pad level for packer testing. The first packer interval to be tested will be from a depth of 1,505 to 1,535 feet bpl. The testing interval is measured from centerline to centerline of the inflatable packers (30 feet). The drilling contractor will kill the well to remove the remaining two stands of drill pipe and then begin tripping in the hole with the straddle packers.

0930 The drilling contractor is mixing kill.

1200 The contractor has completed mixing kill and is beginning to kill the well in preparation for running the packer.

1330 The drilling contractor has killed the well and will trip the remaining two strings of pipe out of the hole.

1500 The drilling contractor begins tripping in the borehole with the packer assembly.

1800 The drilling contractor continues to trip in the borehole with the straddle packers.

2110 The drilling contractor measures 50 feet on the cable from the base of the transducer and installs the transducer in the annulus (behind the drill pipe).

2205 The drilling contractor has completed tripping the straddle packers in the borehole for Packer Test #1 (1,505 to 1,535 feet bpl).

2210 The drilling contractor begins to inflate the packers.

0100 The drilling contractor has pressured the packers up to 420 psi.

0145 The packers are holding pressure. The drilling contractor prepares to trip in the drill pipe with 180 feet of air line to condition the test interval.

0215 Begin conditioning the packer test #1 interval.

0325 End conditioning the packer test #1 interval.

0335 The drilling contractor begins to trip the air line out of the drill pipe.

0405 The drilling contractor prepares to trip inside the drill pipe with a 5 horse pump at the base of 187 feet of air line and the transducer. The transducer will be 5 feet above the pump.

0530 The drilling contractor has completed tripping in the hole with the pump and transducer. The transducer is at a depth of 179 feet bpl; pump inlet is 184 feet bpl.

0700 Drilling contractor continues to make preparations for Packer Test #1.

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7
~~Docket Nos. 52-040 and 52-041~~
L-2011-307 Enclosure 1 Page 16 of 103

CLIENT: F P L
DATE: 7 9 2011 TWO DAYS
JOB #: 11771
JOBSITE NAME: E W - 1
JOBSITE LOCATION: F P

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	BOSIT GULIOMOV	X	12		12
MR	MIKE RAMIREZ	X	12		12
TL	JOAN LOPEZ	X	12		12
IP	IGOR POPOV	X	12		12
MP	MARYO PEREZ	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DR	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	11550	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
1	SAFETY MTG!
	ELEV. INSPECTION!
1	MORNING INSPECTION.

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
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		AM PM	
		AM PM	
		AM PM	

COMMENTS / EVENTS - CONDITIONS / CHANGES / OTHER INFORMATION

TOH FOR INSTALL CLEANING 3½ HOUR BROKEN tool. cont to MOB BPL TOH. TIH WASH & ream to bottom and clean the hole.

Driller's Signature: Date: Client's Signature: Date: Supervisor Signature:

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-307 Enclosure 1 Page 17 of 103

CLIENT: E P L
DATE: 7-7-11 THURS NIGHT
JOB #: 11771
JOBSITE NAME: E W 7
JOBSITE LOCATION: T. P.

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	Danny Keeley	X	12		12
H	James Payne	X	12		12
I.O.	Isaac Vaca	X	12		12
RHE	Bob Feeman	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	SAFETY MEETING
H2	Dress for SUCCESS
H2	12 Green Zone SAFETY RULES

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

LIGHTNING STOP
TRIP WITH 12 1/4" BIT WORK PIPE GOOD
IND PILOT HOLE (HOUR) TAG @ 1647' BLK
RUN AIR LINE

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: F.P.L
JOBSITE NAME: EW - 1
DATE: 7-8-2011 FRI DAYS
JOB #: 11771
JOBSITE LOCATION: T.P

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	BOSIT GULOMOV	X	12		12
V.I	VLAD ISHIMOV	X	12		12
M.R	MIKE RAMIREZ	X	12		12
J.L	JOAN LOPEZ	X	12		12
I.P	IGOR POPOV	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
1	SAFETY MTG:
	TRAVEL, LOADING AND UNLOADING:
2	HAND SAFETY:

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

T.O.H 12¼ BIT: MIX KILL - KILL WELL T.I.H FOR LOGGING
Spot Setup New Frac Tank & Filtration System by sib, Clean up /clear yard for Casing
rebuild kill volume, Unload Core Pump, corebox, Core barrel & 2 weights off
truck, & bit.

Installer's Signature: [signature] 7-8-11 Date
ICC DSRI 082209

Client's Signature: Date:

PAYROLL

Supervisor's Signature: [signature] Date

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: FPL
DATE: 7-8-11
JOB #: 11771
JOBSITE NAME: FTI NIGHT
JOBSITE LOCATION: T.P.

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	Danny Keeley	X	12		12
JR	James PAYNE	X	12		12
I.U.	ISHAC Vaca	X	12		12
RKF	BOB FEETHAM	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Drill to Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
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35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Drill to Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	[illegible]	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	SAFETY MEETING
TI 2	MIXING MUD
TI 2	KILLING WELL

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

DEVELOP WELL TO BRING ALIVE
DRILL AHEAD
KILL UP TO LOG / LOG WELL TOOL STOPPED WORKING
@ 1340' BPL MIX KILL KILL WELL.
LIGHTNING

Installer's Signature — Date
LCC DSR 1 082209

Client's Signature — Date
CLIENT

Supervisor's Signature — Date

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7
~~Docket Nos. 52-040 and 52-041~~
L-2011-307 Enclosure 1 Page 20 of 103

CLIENT: F.P.L

DATE: 7-9-2011 Sat Day

JOB #: 11771

JOBSITE NAME: E W -

INITIALS: T. T

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	BOSIT GULDAMOV	X	12		12
H.F	VLAD ISHIMOV	X	12		12
H.L	JOAN LOPEZ	X	12		12
F.O	IGOR POPOV	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down In Shop	DS	Available In Yard	AY
Down on Site	ON	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
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30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
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34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Onsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
(1)	SAFETY MTG:
	VEHICLE SAFETY;
(2)	DRIVER QUALIFICATIONS,

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
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		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Kill the well, pump 1ft 6in kill. Pull the fullbore
can TIH with 12 1/4 bit without collars Lost
two stands put in to go to the bottom
and circulate the whole. Haul 5 tankers
Mixing kill.

Installer's Signature | Date | Client's Signature | Date | Supervisor's Signature | Date

CLIENT

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: FPL
DATE: 7/19/11 (Night)
JOB #: 11771
JOBSITE NAME: EWI
JOBSITE LOCATION: Turkey Point

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	George Haga	X	12		12
	Mike Ramirez	X	12		12
MP	Mario Perez CESR	X	12		12
AP	Kingsley Pepor	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available on Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCUMULATION OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
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42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	1st Safety Meeting - Overhead Line when Stuck
	2nd Safety Meeting Scaffolding

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Circulate to bottom tag @ 1655 bbl.
Surge whole. mix mud chart mix to raise
Lift. Haul tankers to empty pit. grease and fuel
wash down stop looking. Clean dog houses and parts
house - mixed a 3rd of bag of MYC & 5 bags of bicarb.

Installer's Signature — Date
LCC DSR1 082209

Client's Signature — Date
CLIENT

Supervisor's Signature — Date

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: F[illegible]

DATE: 7 - 10 - 2011 Sun DAYS

JOB #: 11[illegible]

JOBSITE NAME:

JOBSITE LOCATION:

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
[illegible]	[illegible] Gulcomov	X	12		12
VI	[illegible]		12		12
J.L.	[illegible]		12		12
I P	[illegible]		12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down In Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11000	Onsite Mob/Demob	
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15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	12050	Production Well Installation	
19	12100	Install Conductor Pipe	
20	12150	Drill Pilot Hole	
21	12200	Geophysical Logging & Other Testing	
22	12250	Aquifer Zone Testing	
23	12300	Borehole Abandonment/Cement Plugs	
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30	12650	Water Watching	
31	14050	Well Development Air Lift and Swab	
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35	14250	Test Pumping	
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38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	BEFORE ENTERING
(2)	WHEN ENTERING

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Haul the trankers. Circulate the bottom of the whole. Turn air on for 5 min. Turn off the air for 30min Repeat that all day. Finish to mix kill. Service all the equipments Rig, Trackhoe, Loader ect Grease the crown. General house keeping.

Installer's Signature: [illegible] Date: 7-10-11

Client's Signature: CLIENT Date:

Supervisor's Signature: Date:

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: FPL
DATE: 7/10/11
JOB #: 11271
JOBSITE NAME: EW1
JOBSITE LOCATION: Turkey Point

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	George Haga	X	12		12
MR	Mike Ramirez	X	12		12
M.P.	Marko Perez CESR	X	12		12
A.P.	Andrey Popov	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
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42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	1st Saftey Meeting: H^2S Hazards
	2nd Saftey Meeting: Hand tool Saftey

TIME OF ACTIVITY BY ITEM #

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Circulate bottom of hole turn air on for 3mins
Let set for 30min all shift. Air rate kill to keep vis
& weight good. Clean Engr trlr sweep and mop mccs.
organize doghouse. Pump 1 FT of kill in back side "Annulus
to kill it. Vis 61 WT 10.3 of kill.

Installer's Signature — Date
LCC DSR1 082209

Client's Signature — Date

PAYROLL

Supervisor's Signature — Date

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: F.P.L

DATE: 7-11-11 MON DAYS

JOB #: 11771

JOBSITE NAME: E-W-1

JOBSITE LOCATION: T.P.

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	Brosit Gulomov	x	12		12
VI	VLAD ISHIMOV	x	12		12
JLO	JOAN LOPEZ	X	12		12
IP	IGOR POPOV	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available In Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
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19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
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38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	86000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
1	SAFETY MTG:
	FALL PROTECTION:
2	CARGO TANKS:

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Haul the tankers & Help Ells to install the gel into the kill pit. Mixing kill half a bag of Gel and 4 bags of bac Pump water from slurry pit into the canal 1st 2 hours pump 37 gal/min Last 2 hours pump 132 gal/min. Kill the well pump all of kill + /[illegible]

7-11-11

Inspector's Signature | Date | Client's Signature | Date | Supervisor's Signature | Date

CLIENT

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: FPL
DATE: 7/16/10
JOB #: 11-771
JOBSITE NAME: EWI
JOBSITE LOCATION: Turkey Point

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	George Haga	X	12		12
MAN	Mike Ramirez	X	12		12
MP	Mario Perez Cerza	X	12		12
AP	Lenny Rojas	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Shop Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Item	Quantity
	[illegible] Site Supervisor [illegible]
	[illegible] Test Pipes
	[illegible]

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

1900 Start to kill [illegible] 3rd of kill
2000 Start tripping out broke bit and sub off pipe
put new sub on [illegible] rubber on rotating head
ran 12 stands out 7 sub 113 foot sub back in hole
[illegible] ran 3 stands [illegible] well back alive
[illegible]

Installer's Signature — Date
Client's Signature — Date
Supervisor's Signature — Date

CLIENT

LCC DSR3 082209

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: FPL
DATE: 7-12-11
JOB #: 11771
JOBSITE NAME: EW1
TUC DAYS
JOBSITE LOCATION: T. P.

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DT	Danny Keeley	X	12		12
JT	James Payne	X	12		12
IV	Isaac Vaca	X	12		12
RVF	Bob Fretman	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	11550	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment /Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	Safety meeting
FI	Good communication
F2	Back hoe test

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

7 AM-10:30 LOG HOLE
10 30-12:30 MIX KILL TO 9 7 PUMP 2" WDP
12:30-1:15 TIH AND TAG AIR LINE
2:15-5:30 CIRCULATE BACK TO BOTTOM
5:30-6:15 TRIP TOOL TUBE OUT [illegible]
6-15 RIG UP LOGGER

Installer's Signature | Client's Signature | Date | Supervisor's Signature | Date

LCC 0581 083209

CLIENT

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: FPL
DATE: 7/12/11
JOB #: 11771
JOBSITE NAME: EWI
TUE Night Shift
JOBSITE LOCATION: Turkey Point

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	George Haga	X	12		12
MR	mike Ramirez	X	12		12
V.I.	Vlad Ishimov		2		2
M.P.	Marko Perez Cepero	X	12		12
A.P.	Andrey Popov	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
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35	14250	Test Pumping	
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39	19150	Administration	
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42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	1st Safety Meeting. Blood bourne Pathogens
	2nd Safety Meeting: forklift training
	backhoe training

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
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		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

7pm Rigged up logger - logged from 1524 bpl to 1655bpl Ran Flow log, Temp log, & Fluid Conductivity Finished @ 840pm Rigged down logger. 900pm Killed drill pipe First pumped 3 inches still alive pumped another 3 Inches 470" left left in Kill pit tripped out 16 stands pulled up Into Rubber. Conduct loader and backhoe Training. Cleaned Floor & location, fixed trash pump. Tarped dumpster. Awaiting on order for Packer depth

Installer's Signature — Date
LCC 0581 082207

Client's Signature — Date

PAYROLL

Supervisor's Signature — Date

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7
~~Docket Nos. 52-040 and 52-041~~
L-2011-307 Enclosure 1 Page 28 of 103

CLIENT: FPL
JOBSITE NAME: EVI
DATE: 7-13-11 WED DAYS
JOB #: 11771
JOBSITE LOCATION: TP

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILL	Dany Keeley	X	12		12
	Jones PAYNE	X	12		12
I.U.	Isaac Vaca	X	12		12
RKF	Bob Feethan	X	12		12
V.I.	VLAD Ishizuk	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
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6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
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16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
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23	13300	Borehole Abandonment/Cement Plugs	
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38	19100	Shop	
39	19150	Administration	
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42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
#1	PACKER Test
#2	T.I.H. WITH PACKER

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

7.00 - 730 - SAFETY MEETING 730 - 1.30 MIX
KILL, GET PACKER DEPTH, UNLOAD TRUCKS, INSTALL
STAIRS AND HAND RAILS UNDER WORKING PIT
1.30 KILL WELL 4' OF MUD PULL 2 STAND
T.I.H. WITH PACKER

Installer's Signature — Date
LCC DSR1 082209

Client's Signature — Date

PAYROLL

Supervisor's Signature — Date

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: FPL
JOBSITE NAME: EWI
DATE: 7/13/11 Wed night
JOB #: 11771
JOBSITE LOCATION: Turkey Point

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	George Hags	X	12		12
MR	mike Ramirez	X	12		12
MP.	marko Perez Cesar	X	12		12
A.P.	Andrey Popov	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
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35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
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38	19100	Shop	
39	19150	Administration	
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42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	1st Saftey Meeting : tripping in the packer
	2nd Saftey Meeting : Good Communication

TIME OF ACTIVITY BY ITEM #

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
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		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Trip in straddle packer to 1538 bpl. pressure up packer to 420 psi let set for 1½ holding pressure to 420 psi. Trip in 3 stands of Air line circulate until water is clean. Catch samples for Sally until she determines to stop circulating.

Installer's Signature — Date
LCC DSR1 082209

Client's Signature — Date

PAYROLL

Supervisor's Signature — Date

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1

MHC

EW-1 Pad Monitoring Well Water Quality Data
Southeast Pad Monitoring Well
(SE-EW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1311	10.10	-1.51	81,600	30,200	57,800	29.9	Background Sampling
4/29/2011	1349	10.40	-1.81	86,700	33,100	55,000	30.4	
5/5/2011	1008	11.10	-2.51	83,000	29,500	54,700	29.9	
5/11/2011	1228	10.65	-2.06	78,200	30,100	52,600	30.1	
5/19/2011	1039	10.12	-1.53	75,200	30,000	51,100	29.8	
5/26/2011	1235	10.47	-1.88	73,890	31,200	53,800	29.9	
6/2/2011	1056	10.50	-1.91	74,200	29,400	57,400	29.6	
6/9/2011	1210	10.32	-1.73	72,200	32,100	51,000	29.6	
6/16/2011	1035	10.00	-1.41	71,300	32,200	54,000	29.8	
6/23/2011	1109	10.10	-1.51	71,900	31,600	55,650	29.8	
6/30/2011	1009	9.85	-1.26	72,800	27,600	53,050	29.5	
7/8/2011	1138	9.12	-0.53	73,150	29,800	54,450	29.9	

ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius
Note: TOC elevation is: 8.59 feet NAVD 88

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1

MHC

EW-1 Pad Monitoring Well Water Quality Data
Northeast Pad Monitoring Well
(NE-EW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1108	10.49	-1.61	78,700	32,200	57,000	29.8	Background Sampling
4/29/2011	1157	10.68	-1.80	80,400	29,900	53,800	30.4	
5/5/2011	1157	11.40	-2.52	81,400	27,500	52,350	31.2	
5/11/2011	1309	11.00	-2.12	76,800	31,600	51,200	29.7	
5/19/2011	0958	10.48	-1.60	72,600	35,600	51,200	29.5	
5/26/2011	1050	10.76	-1.88	71,360	29,500	52,900	29.7	
6/2/2011	1134	10.78	-1.90	71,700	29,000	55,700	29.6	
6/9/2011	1128	10.61	-1.73	69,700	32,300	50,650	29.3	
6/16/2011	0958	10.35	-1.47	69,300	33,000	53,450	29.5	
6/23/2011	1028	10.41	-1.53	69,400	30,600	55,600	29.5	
6/30/2011	0928	10.15	-1.27	70,300	27,600	51,950	29.2	
7/8/2011	1210	9.00	-0.12	72,570	30,100	54,150	29.9	

ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius
Note: TOC elevation is: 8.88 feet NAVD 88

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1

MHC ASRUS LLC

EW-1 Pad Monitoring Well Water Quality Data
Northwest Pad Monitoring Well
(NW-EW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1221	10.50	-1.66	84,300	33,500	59,900	30.8	Background Sampling
4/29/2011	1120	10.65	-1.81	86,300	33,700	56,400	30.0	
5/5/2011	1051	11.40	-2.56	87,400	31,300	57,650	31.1	
5/11/2011	1034	12.40	-3.56	79,100	33,500	55,650	30.4	
5/19/2011	1113	13.90	-5.06	80,000	36,000	53,700	30.4	
5/26/2011	1125	10.73	-1.89	75,130	32,300	55,450	30.4	
6/2/2011	1215	10.75	-1.91	75,900	30,700	59,500	30.3	
6/9/2011	1248	10.60	-1.76	72,500	32,200	51,950	29.9	
6/16/2011	1118	10.25	-1.41	72,500	31,500	54,550	30.0	
6/23/2011	1143	10.37	-1.53	73,300	31,600	57,750	30.3	
6/30/2011	1049	10.10	-1.26	75,700	27,400	54,300	30.0	
7/8/2011	1112	9.38	-0.54	74,100	30,700	53,950	30.3	

ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius
Note: TOC elevation is: 8.84 feet NAVD 88

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1

MHC

EW-1 Pad Monitoring Well Water Quality Data
Southwest Pad Monitoring Well
(SW-EW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1414	10.50	-1.62	72,500	26,400	51,500	30.6	Background Sampling
4/29/2011	1025	10.60	-1.72	77,400	28,300	51,600	29.8	
5/5/2011	0930	11.85	-2.97	75,200	29,000	49,400	28.7	
5/11/2011	1124	16.40	-7.52	78,100	28,300	51,050	31.6	
5/19/2011	1202	15.95	-7.07	73,100	29,700	48,450	32.6	
5/26/2011	1155	11.20	-2.32	66,630	27,800	48,350	29.4	
6/2/2011	1035	11.25	-2.37	68,500	26,000	52,600	29.4	
6/9/2011	1319	11.05	-2.17	65,400	26,300	44,150	29.5	
6/16/2011	1154	10.75	-1.87	64,900	27,000	48,450	29.5	
6/23/2011	1214	10.85	-1.97	65,500	30,400	50,800	29.6	
6/30/2011	1119	10.60	-1.72	68,500	24,300	46,650	29.4	
7/8/2011	1045	9.85	-0.97	64,950	25,600	47,650	29.6	

ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius
Note: TOC elevation is: 8.88 feet NAVD 88

Florida Power & Light Company
Turkey Point
Exploratory Well EW-1
Pilot Hole Water Quality

Sample Date	Depth (ft bpl)	Conductivity (umhos/cm)	Total Dissolved Solids (mg/L)	Chlorides (mg/L)	Ammonia (mg/L)	Total Kjeldahl Nitrogen (mg/L)
6/30/2011	1,100	1,228	610	61.3	0.04	0.55
7/1/2011	1,190	1,177	768	85.5	0.06	0.59
7/1/2011	1,255	1,167	776	97.3	0.03	0.56
7/1/2011	1,345	2,420	1,428	55.1	0.06	0.42
7/1/2011	1,435	2,900	1,736	640	0.08	0.44
7/2/2011	1,525	6,760	4,168	2,045	0.09	0.35
7/3/2011	1,615	5,660	3,548	1,670	0.08	0.45

ft bpl = feet below pad level
umhos/cm - micromhos per centimeter
mg/L = milligrams per liter

Florida Power & Light Company
Turkey Point
Exploratory Well EW-1
Daily Kill Material Log

Date	Depth (feet bpl)	Kill Used	Approximate Volume (gallons)
7/7/2011	1655	Bentonite /Barite	569
7/8/2011	1655	Bentonite /Barite	6,064
7/9/2011	1655	Bentonite /Barite	2,085
7/10/2011	1655	Bentonite /Barite	1,137
7/11/2011	1655	Bentonite /Barite	9,475
7/12/2011	1655	Bentonite /Barite	759
7/13/2011	1655	Bentonite /Barite	4,548

feet bpl = feet below pad level

MV Geophysical

X-Y CALIPER GAMMA RAY LOG

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade
State/Prv Florida

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade State/Prv Florida

Location
FPL Turkey Point Power Plant
LAT: 25 25' 19" N LONG: 80 20' 08" W
McNabb Hydrogeologic Consulting, Inc.

Other Services
XY/GR,FCT
DIL,BHC
FLO,TDS

Permanent Datum	Pad Level	Elevation
Log Measured From	Pad Level	
Drilling Measured From	Pad Level	

Elevation
K.B.
D.F.
G.L.

Date	12-JUL-2011		
Run Number	SIX-d		
Depth Driller	1655'		
Depth Logger	1654'		
Bottom Logged Interval	1654'		
Top Log Interval	1045'		
Open Hole Size	12.25"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	01:15 7/12/2011		
Time Logger on Bottom	01:45 7/12/2011		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Durall (MHC)	K.Greuel (LCC)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	64"	0.375" WT	SURFACE	33'
Prot. String	54"	0.375" WT	SURFACE	255'
Production String	44"	0.375" WT	SURFACE	1090'
Liner				LTP1.db
Invoice No.	2011102	P.O. #:	8fld/las/pdf	* FINAL PRINT *

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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

MAXIMUM Caliper Arm Extensions: 33"

BOREHOLE VOLUMES IN CUBIC FEET

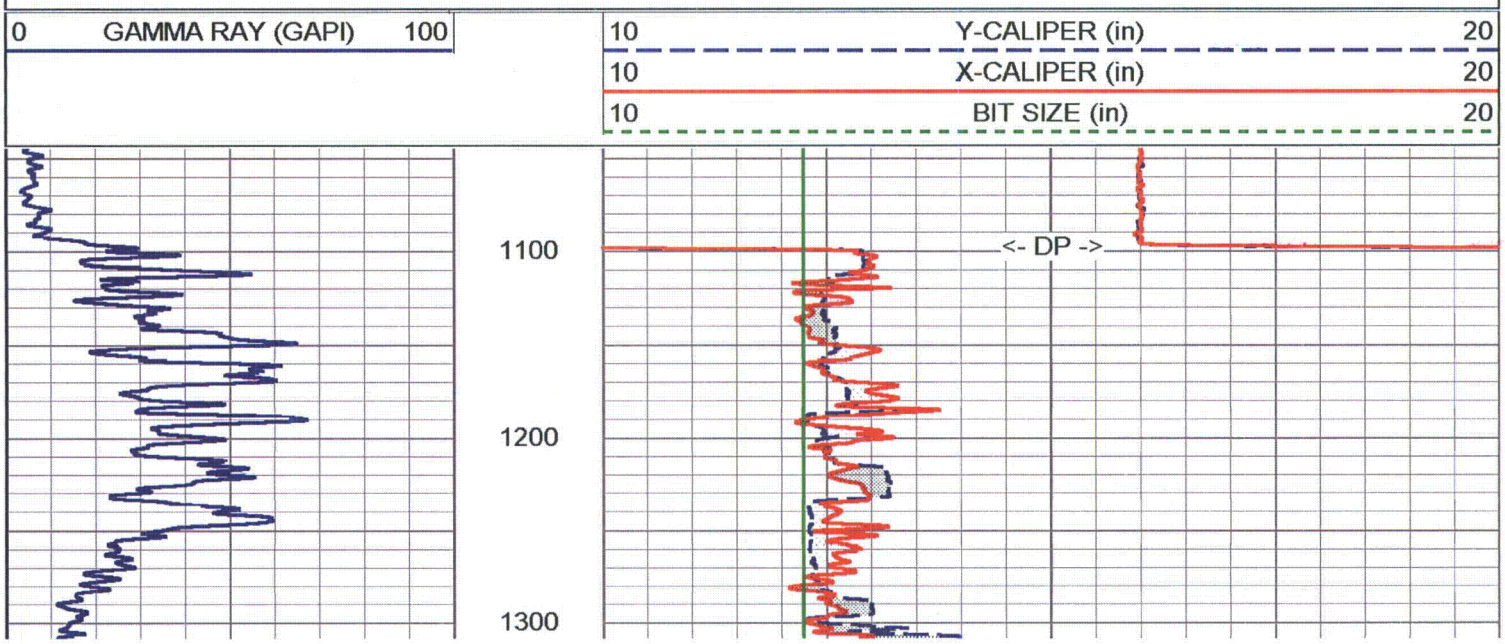
Drill Pipe set to 1098'

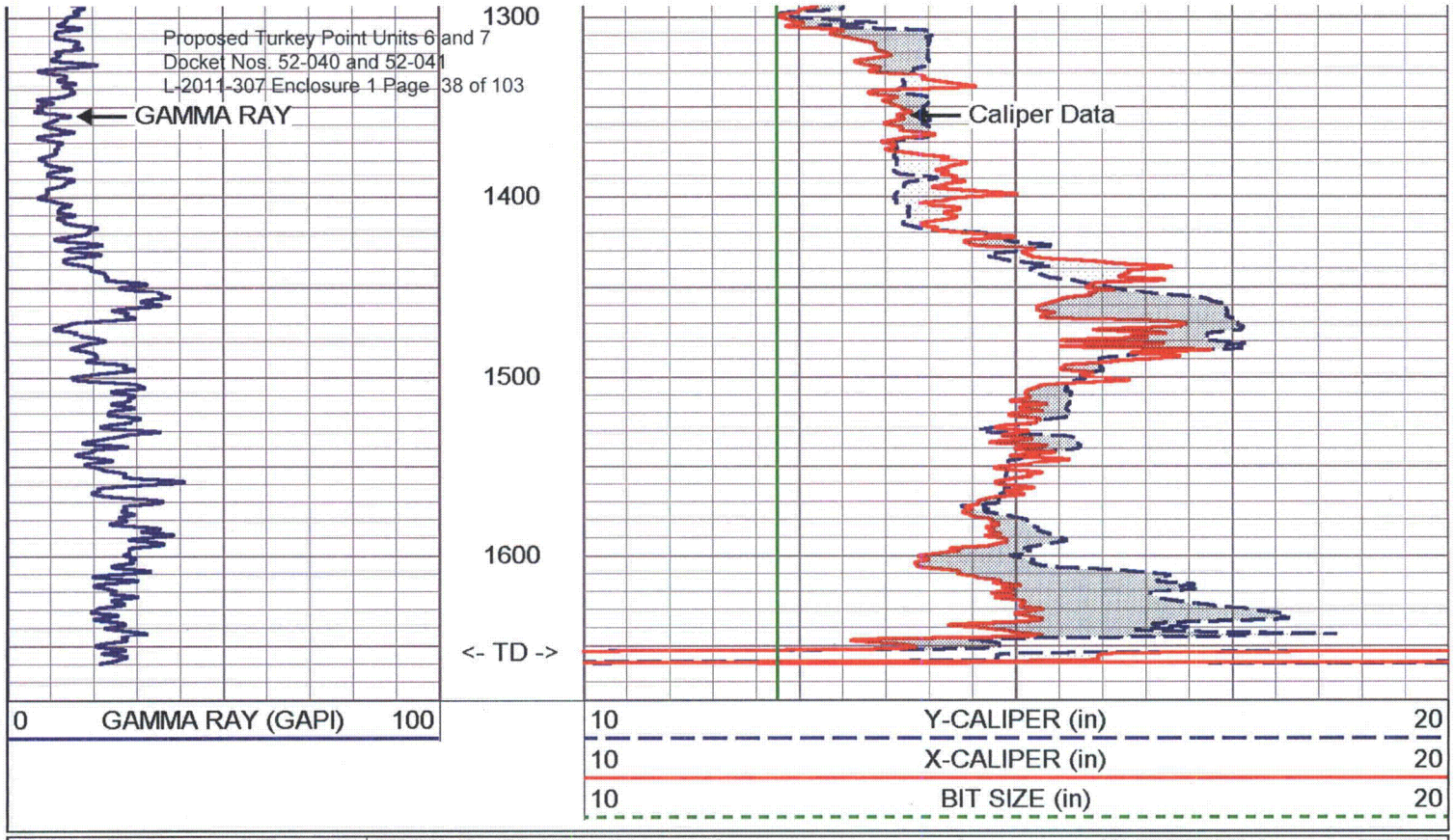
Full Riser / Hydraulic Packoff

MV Geophysical

MAIN PASS

Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	XY1020-1
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:1200

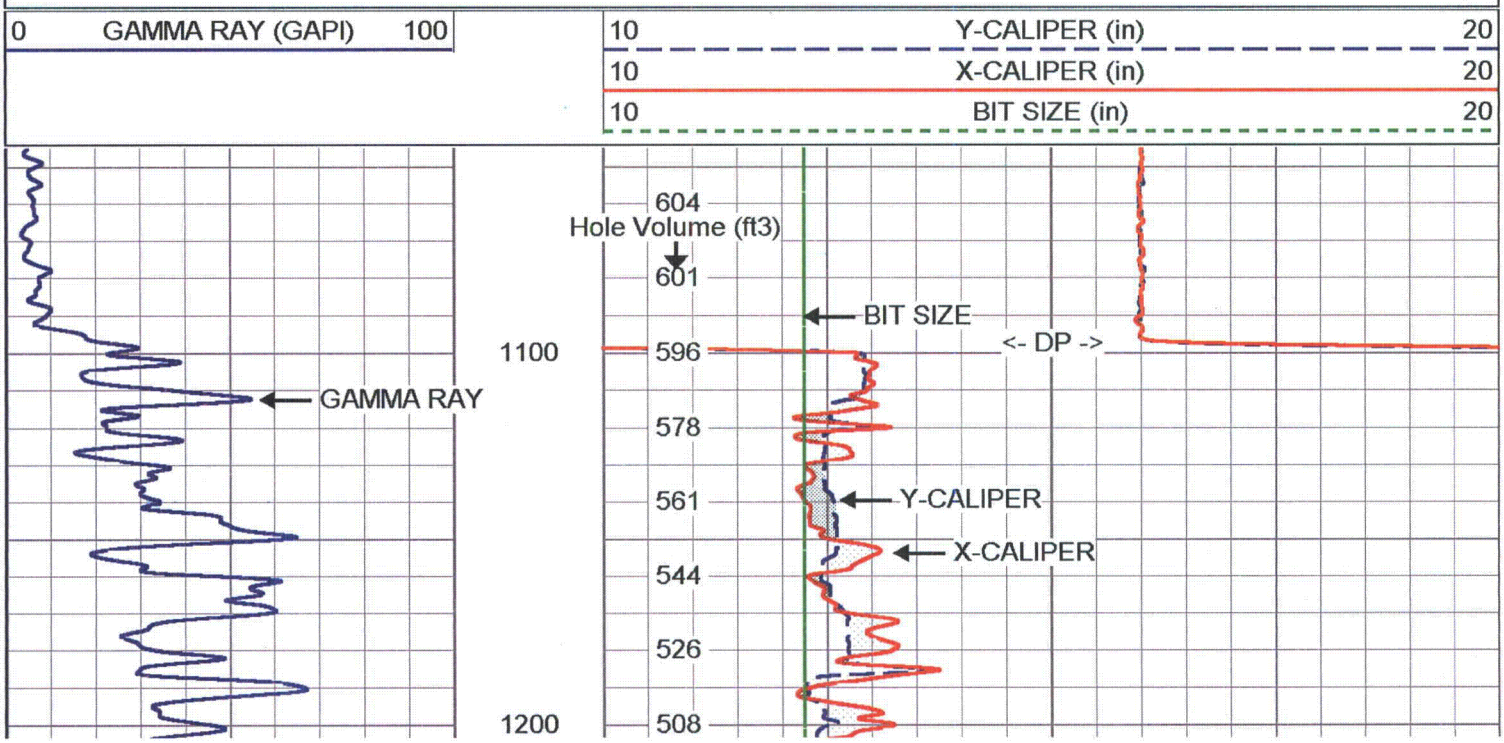


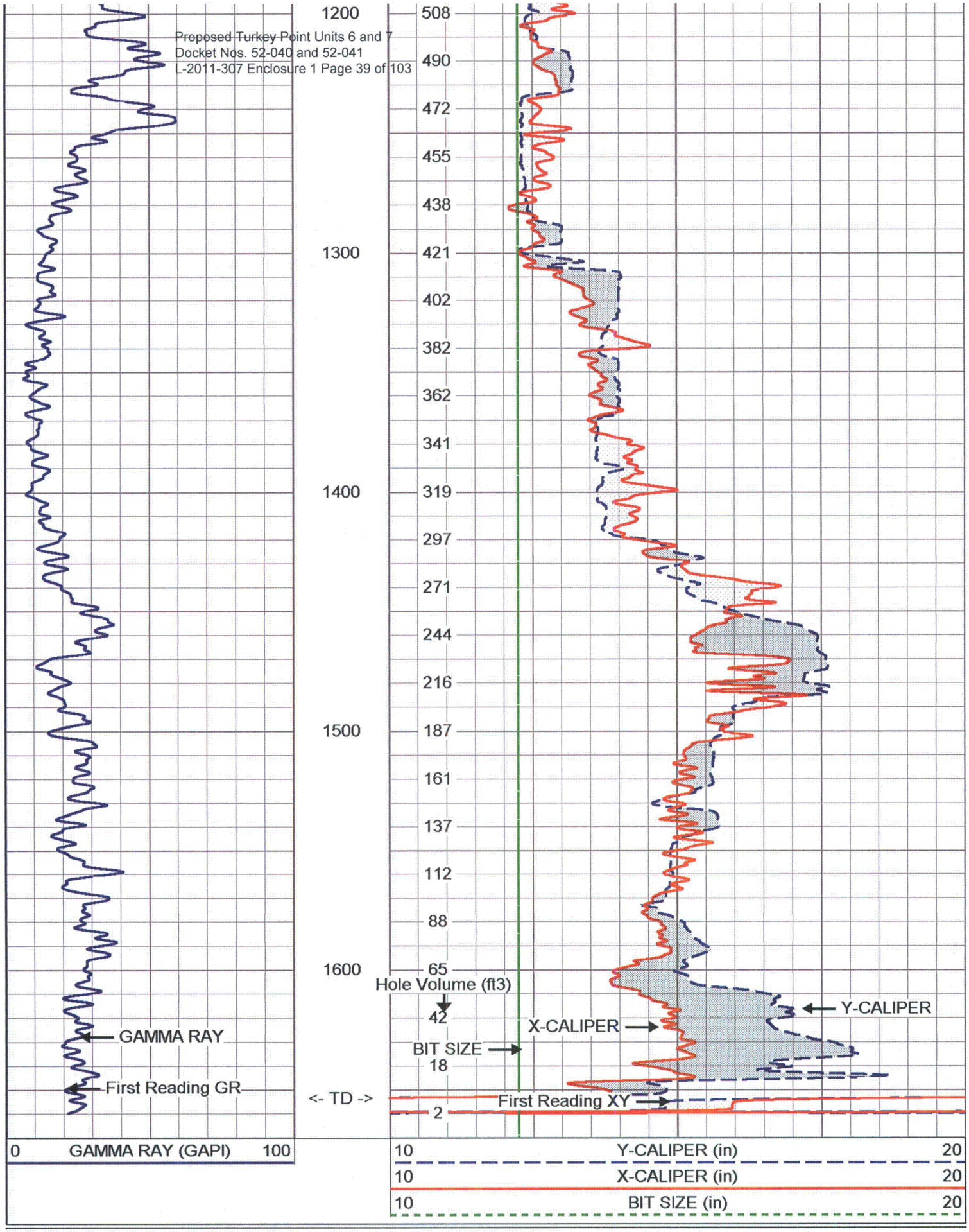


MV Geophysical

MAIN PASS

Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	XY1020-5
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:600

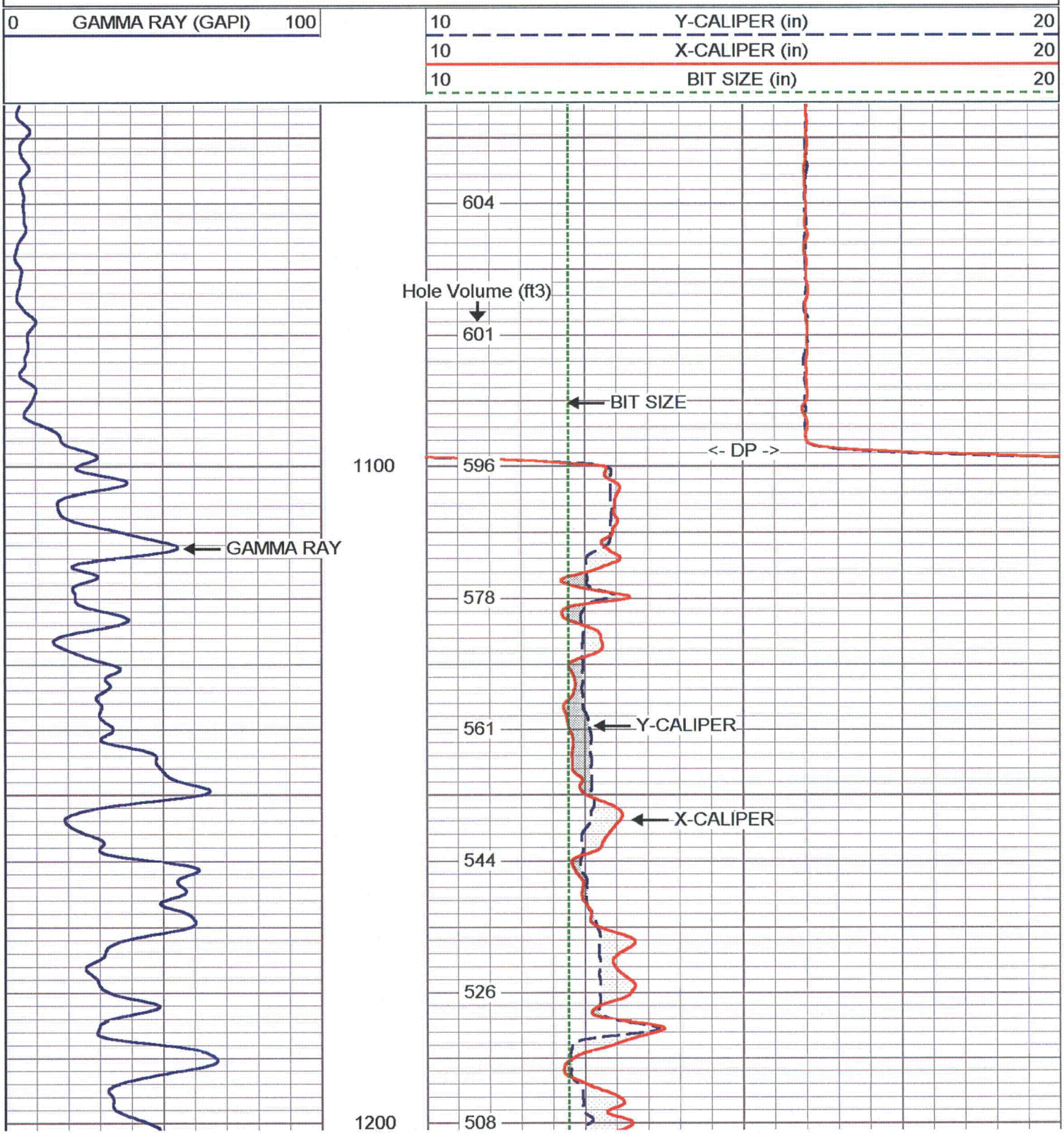


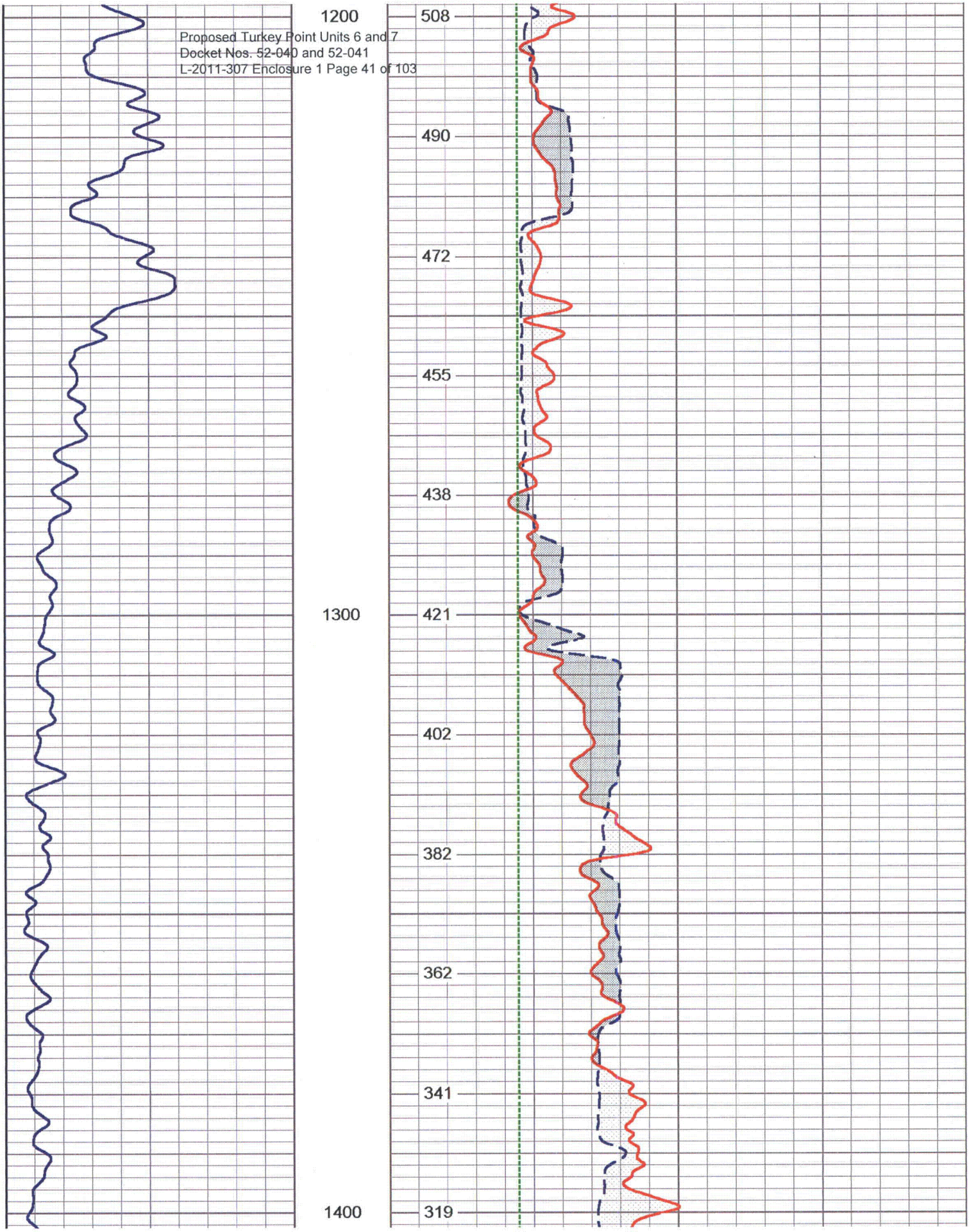

1200
1300
1400
1500
1600
508
490
472
455
438
421
402
382
362
341
319
297
271
244
216
187
161
137
112
88
65
Hole Volume (ft3)
42
BIT SIZE
18
<- TD ->
2
GAMMA RAY
First Reading GR
X-CALIPER
Y-CALIPER
First Reading XY
0
GAMMA RAY (GAPI)
100
10
Y-CALIPER (in)
20
10
X-CALIPER (in)
20
10
BIT SIZE (in)
20

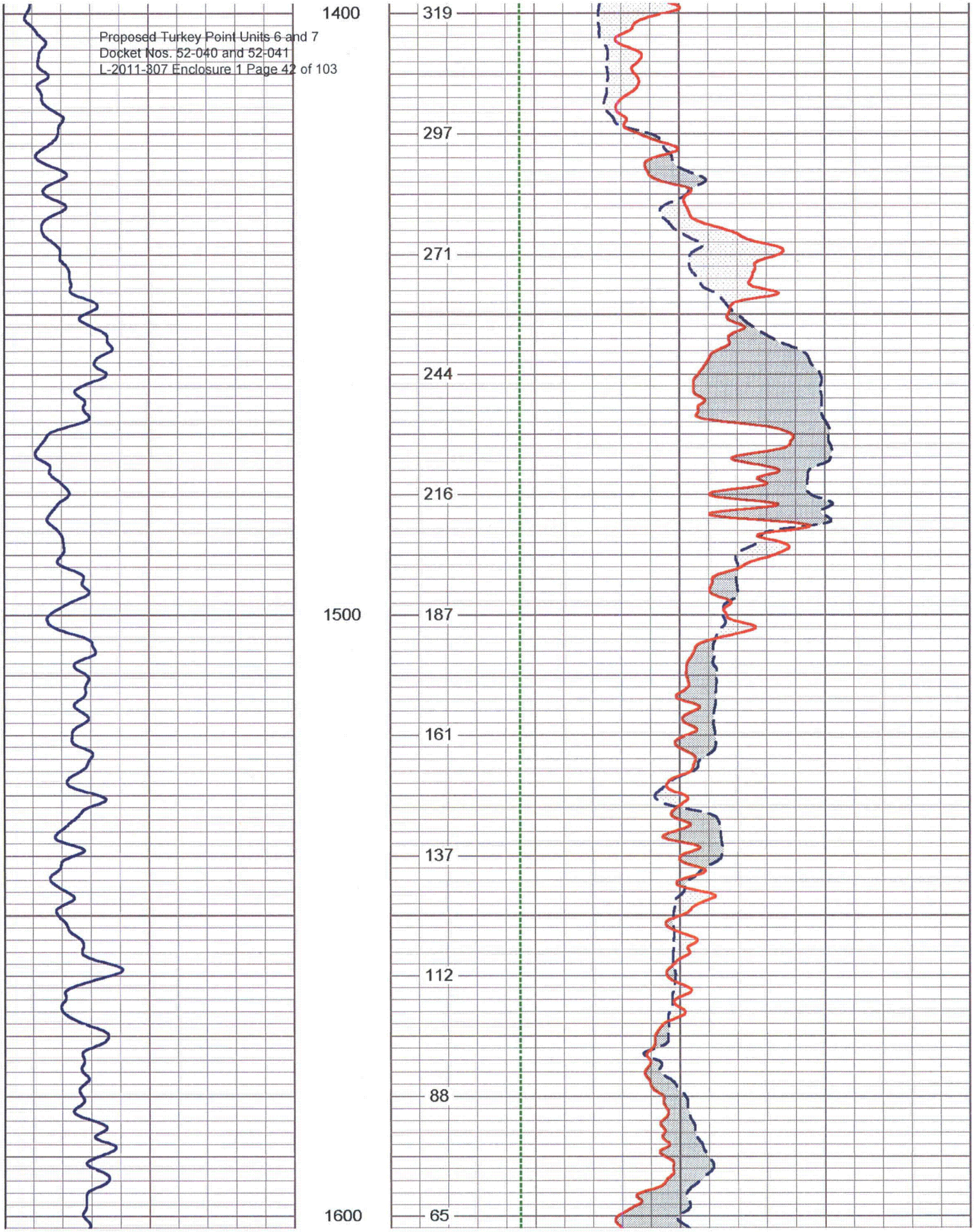
MV Geophysical

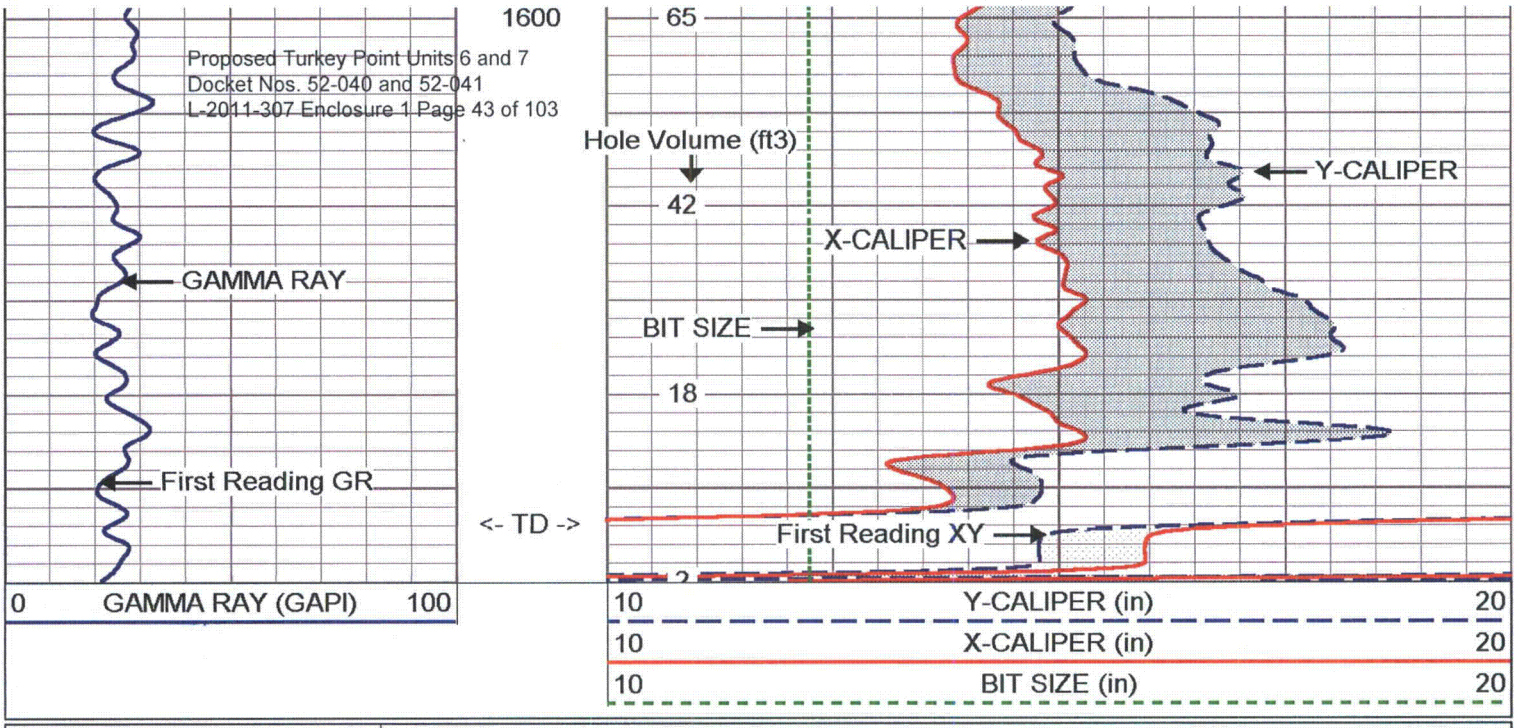
MAIN PASS

Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	XY1020-5
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:240




1200
1300
1400
508
490
472
455
438
421
402
382
362
341
319

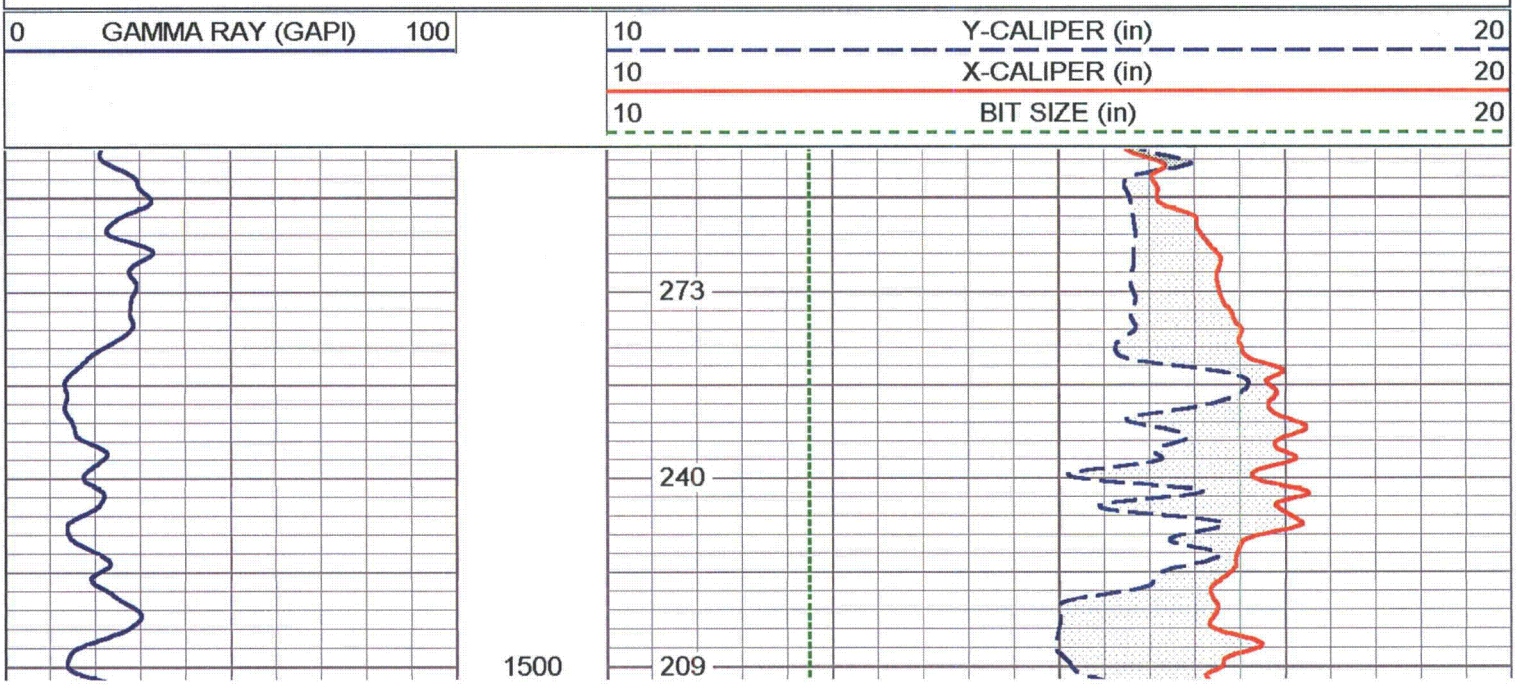

1400
1500
1600
319
297
271
244
216
187
161
137
112
88
65

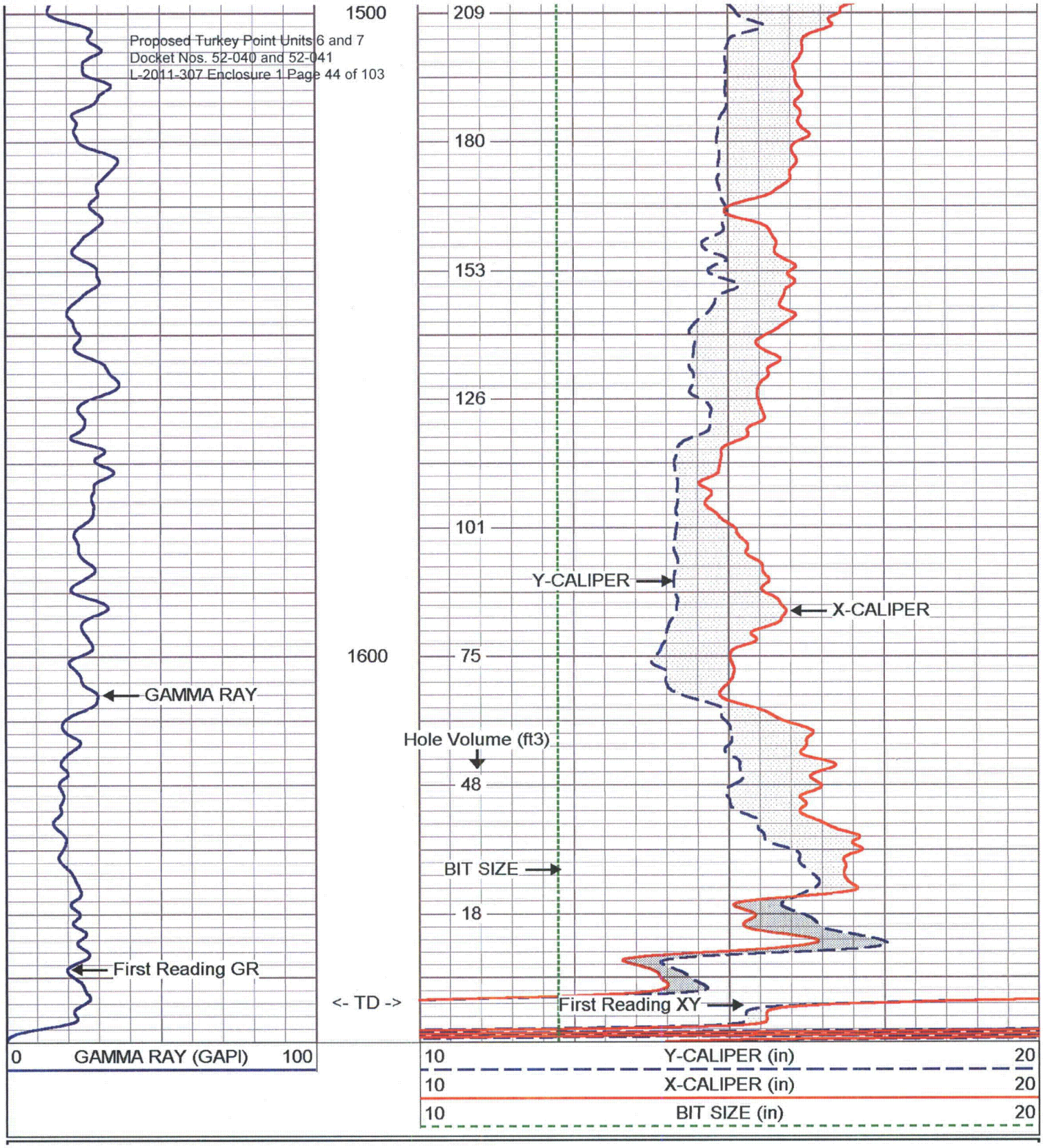


MV Geophysical

REPEAT SECTION

Database File:	ltp1.db
Dataset Pathname:	run7/repeat
Presentation Format:	XY1020-5
Dataset Creation:	Tue Jul 12 02:40:15 2011
Charted by:	Depth in Feet scaled 1:240



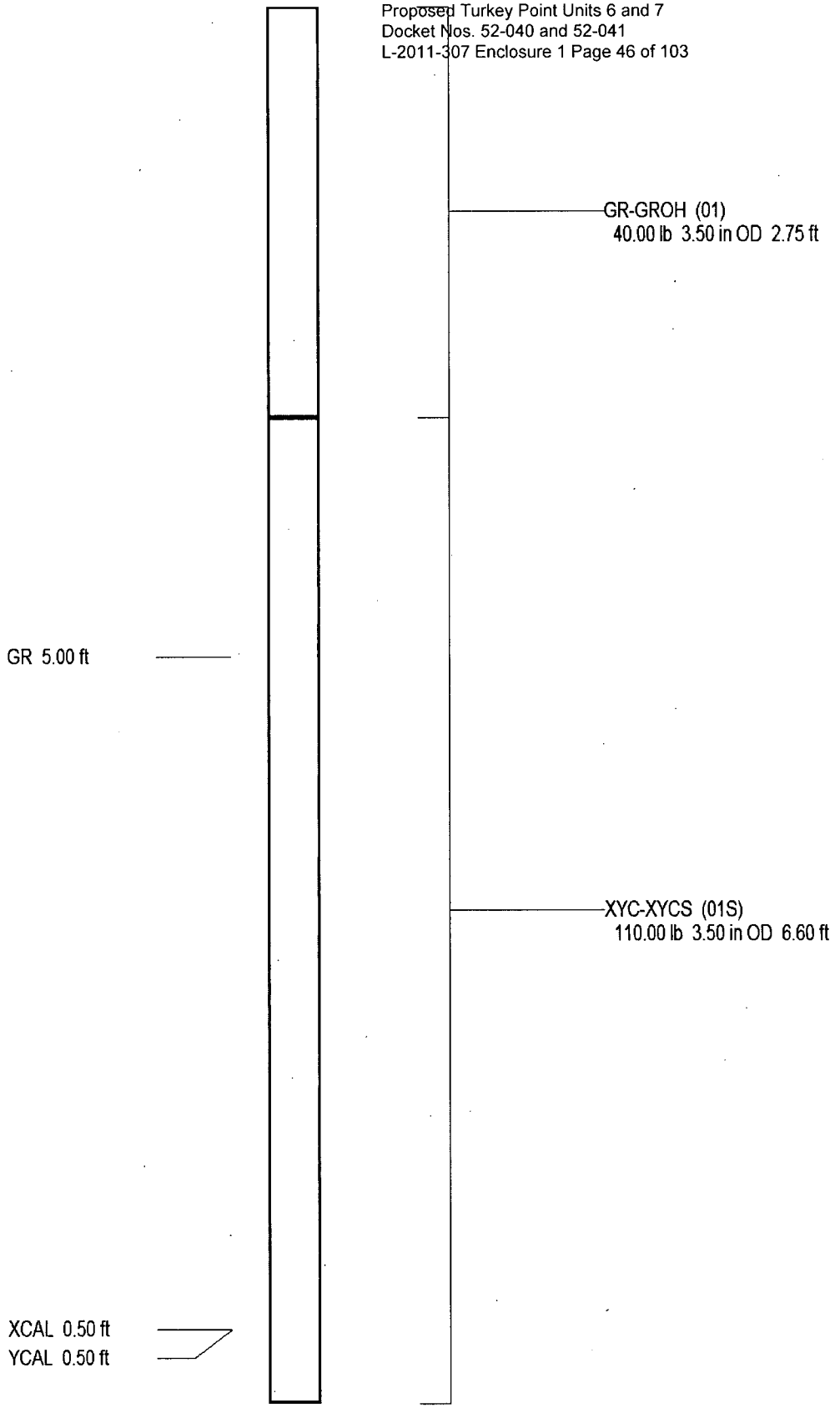

1500
1600
GAMMA RAY
First Reading GR
0
GAMMA RAY (GAPI)
100
<- TD ->
209
180
153
126
101
75
48
18
Y-CALIPER
X-CALIPER
Hole Volume (ft3)
BIT SIZE
First Reading XY
10
Y-CALIPER (in)
20
10
X-CALIPER (in)
20
10
BIT SIZE (in)
20

XY Caliper Calibration Report

Serial Number:	01S		
Tool Model:	XYCS		
Performed:	Tue Jul 12 02:16:20 2011		
Small Ring:	12.25	in	
Large Ring:	33	in	
	X Caliper	Y Caliper	
Reading with Small Ring:	729.2	754	cps
Reading with Large Ring:	1113	1072	cps
Gain:	0.0540646	0.0652516	
Offset:	-27.1739	-36.9497	

Gamma Ray Calibration Report

Serial Number:	01	
Tool Model:	GROH	
Performed:	Wed Jul 06 18:44:54 2011	
Calibrator Value:	120	GAPI
Background Reading:	14.214	cps
Calibrator Reading:	131.667	cps
Sensitivity:	1.02169	GAPI/cps



Dataset:	run7/pass2
Total Length:	9.35 ft
Total Weight:	150.00 lb
O.D.	3.50 in

MV Geophysical

DUAL INDUCTION LL3 / SP LOG

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade
State/Prv Florida

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade State/Prv Florida

Location
FPL Turkey Point Power Plant
LAT: 25 25' 19" N LONG: 80 20' 08" W
McNabb Hydrogeologic Consulting, Inc.

Other Services
XY/GR,FCT
DIL,BHC
FLO,TDS

Permanent Datum	Pad Level	Elevation
Log Measured From	Pad Level	
Drilling Measured From	Pad Level	

Elevation
K.B.
D.F.
G.L.

Date	12-JUL-2011		
Run Number	SIX-d		
Depth Driller	1655'		
Depth Logger	1654'		
Bottom Logged Interval	1652'		
Top Log Interval	1098'		
Open Hole Size	12.25"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	01:15 7/12/2011		
Time Logger on Bottom	06:45 7/12/2011		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	D.Daigle (ASRus)	K.Greuel (LCC)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	64"	0.375" WT	SURFACE	33'
Prot. String	54"	0.375" WT	SURFACE	255'
Production String	44"	0.375" WT	SURFACE	1090'
Liner				LTP1.db
Invoice No.	2011102	P.O. #:	8fld/las/pdf	* FINAL PRINT *

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Comments

Rm=1.761 ohm-m @ 78.9 degF

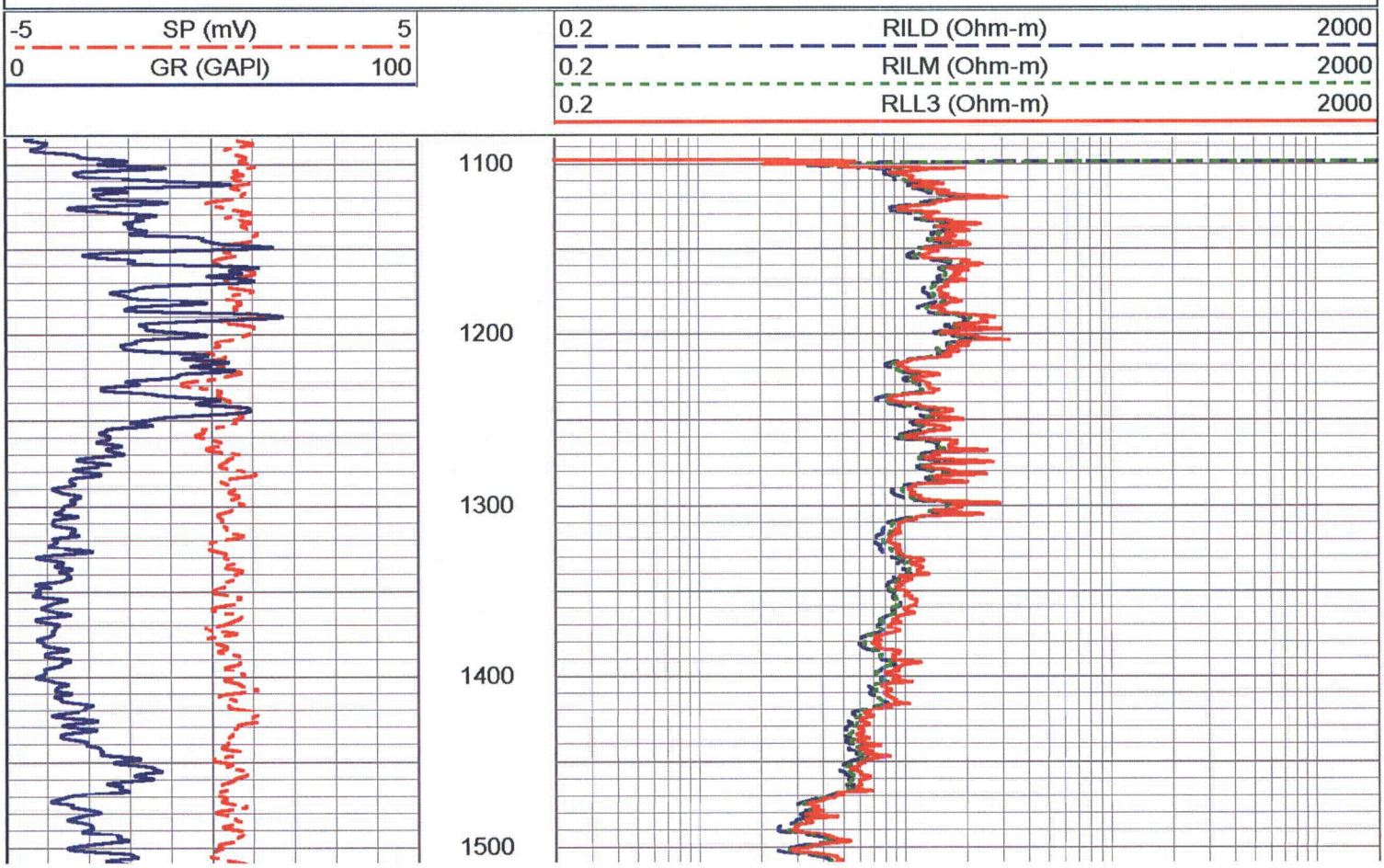
Drill Pipe set to 1098'

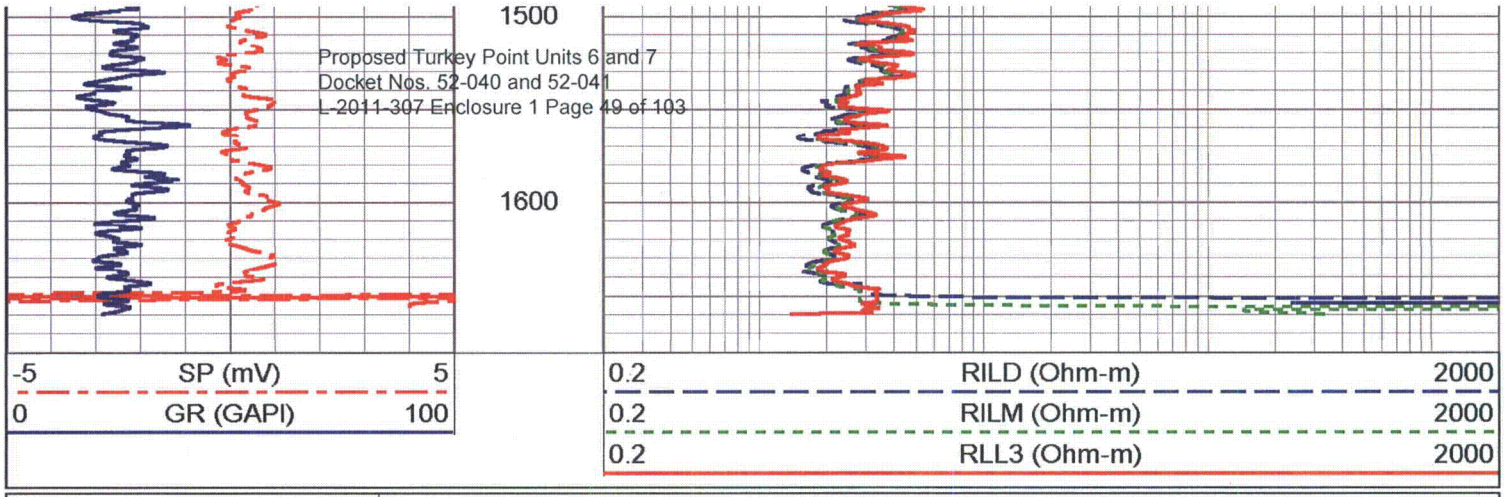
Full Riser / Hydraulic Packoff

MV Geophysical

MAIN PASS

Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	DIL-1
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:1200

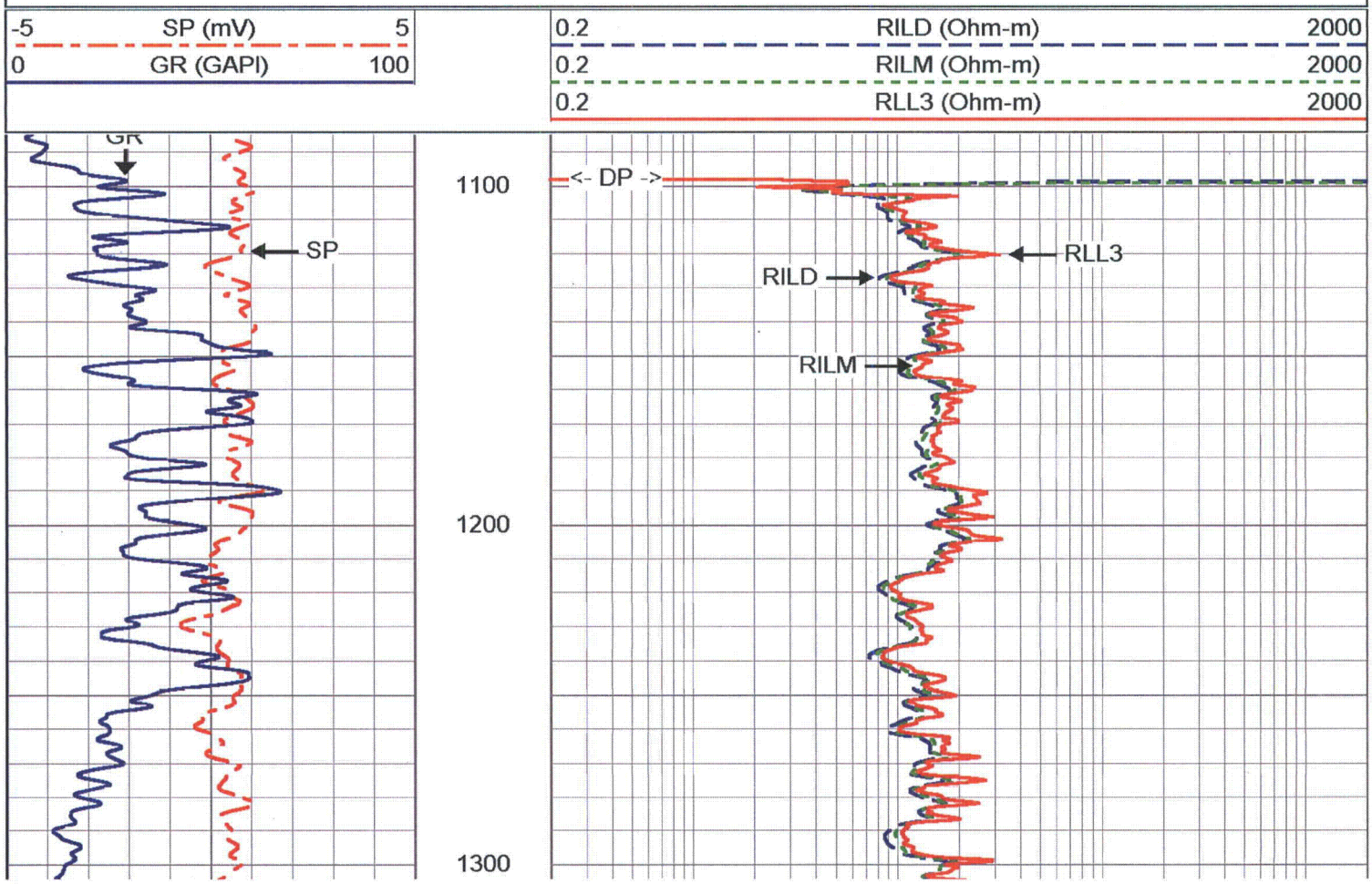


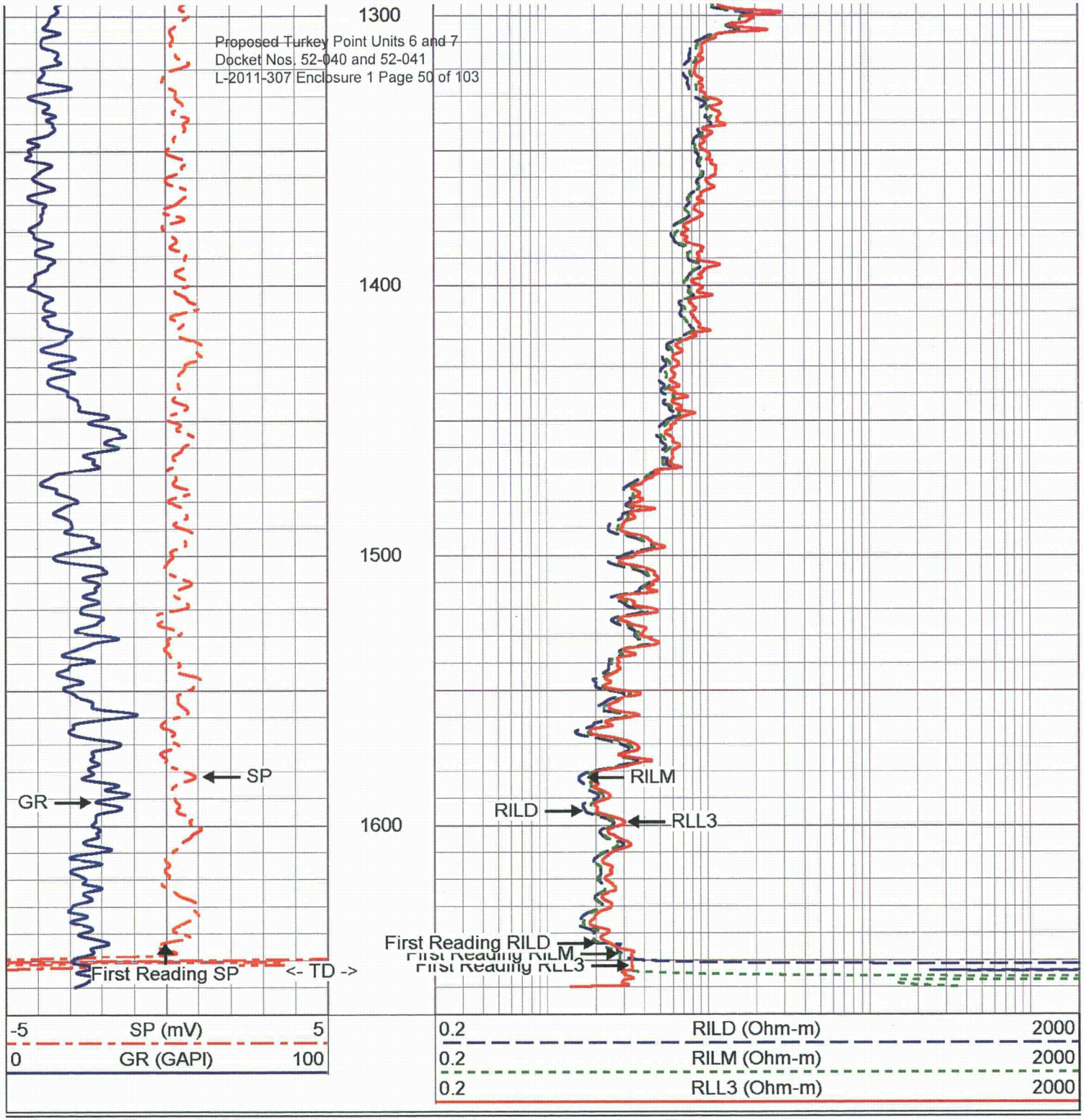


MV Geophysical

MAIN PASS

Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	DIL-5
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:600




1300
1400
1500
1600
SP
GR
First Reading SP
<- TD ->
-5
SP (mV)
5
0
GR (GAPI)
100
RILM
RILD
RLL3
First Reading RILD
First Reading RILM
First Reading RLL3
0.2
RILD (Ohm-m)
2000
0.2
RILM (Ohm-m)
2000
0.2
RLL3 (Ohm-m)
2000

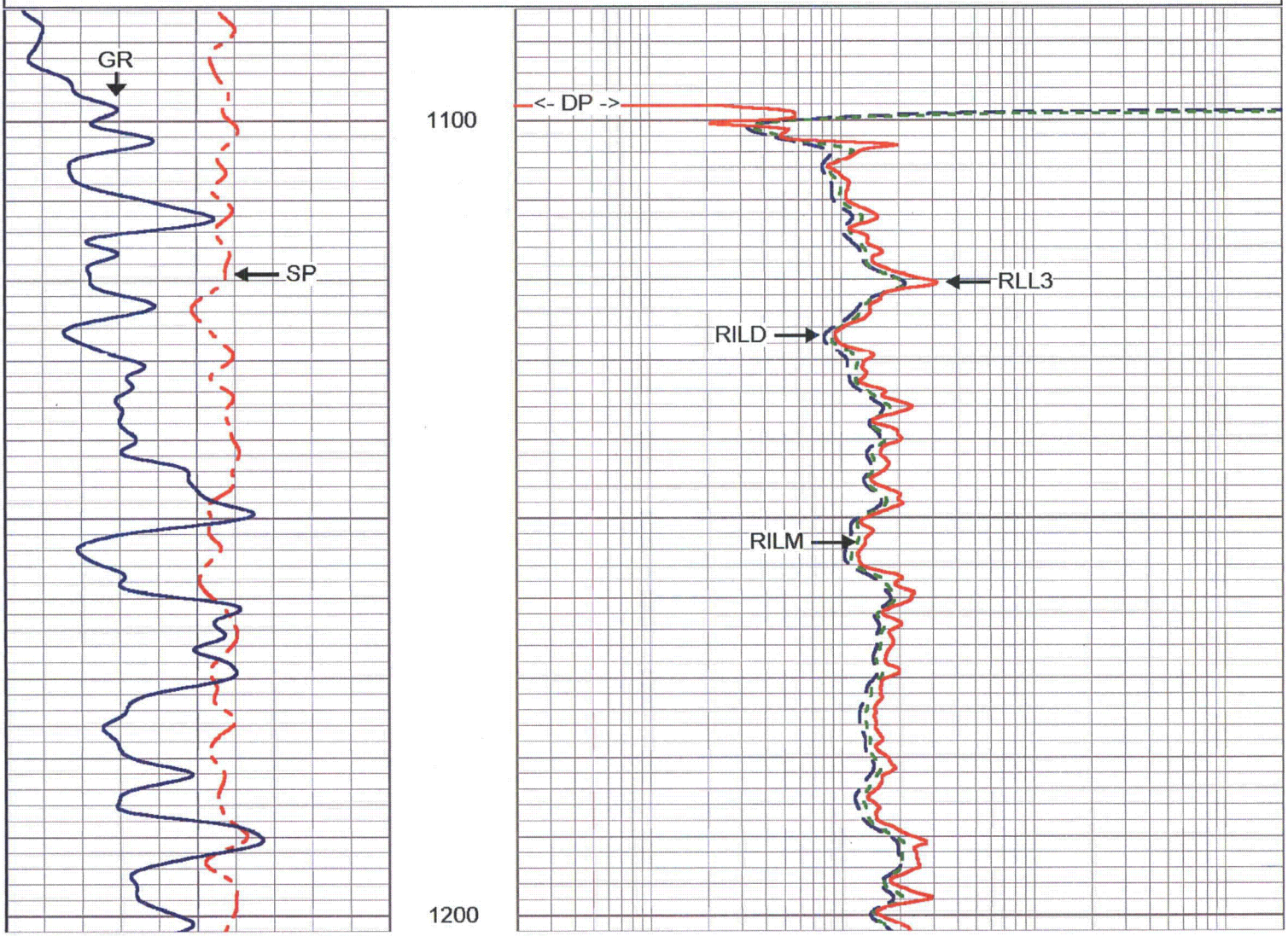
MV Geophysical

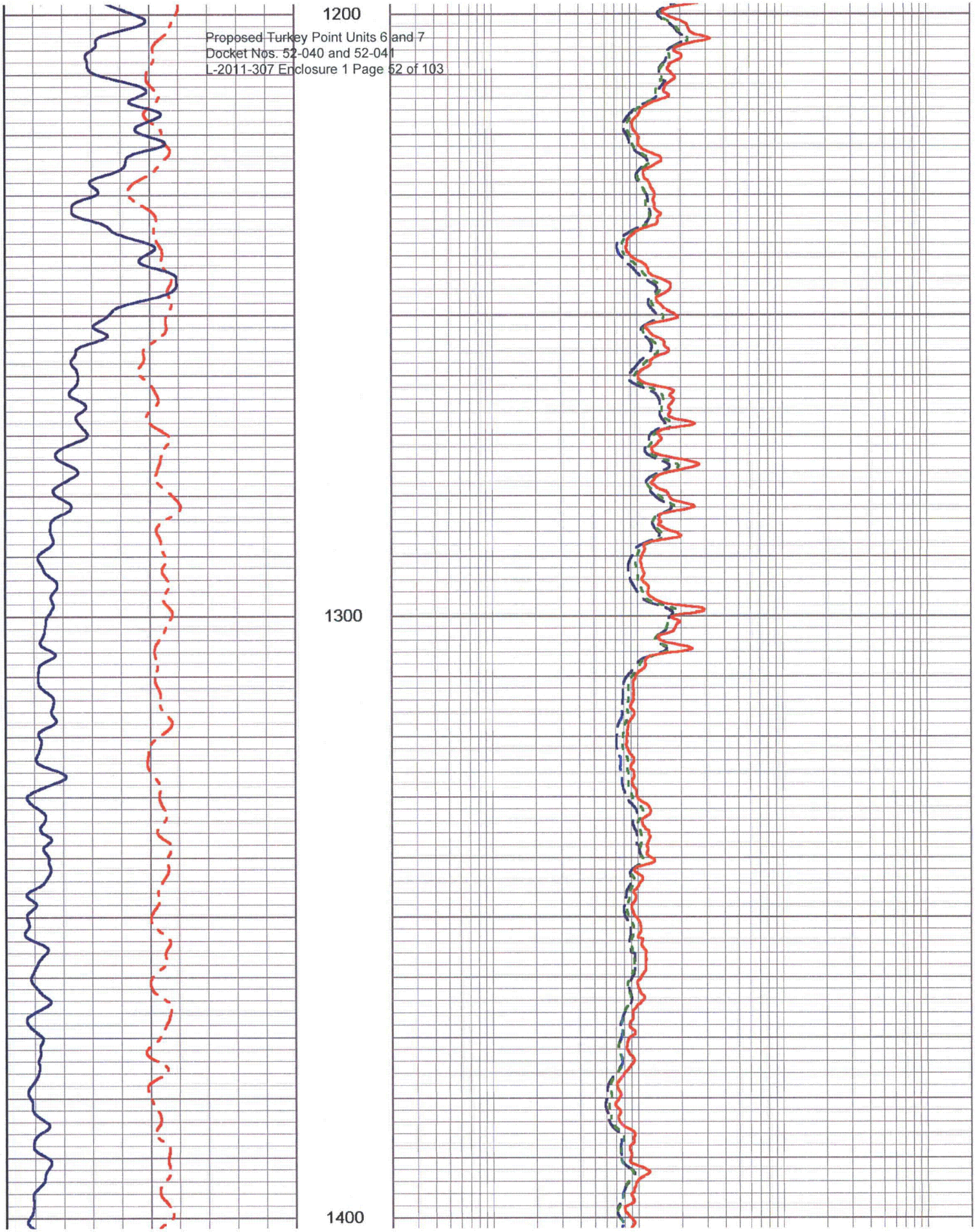
MAIN PASS

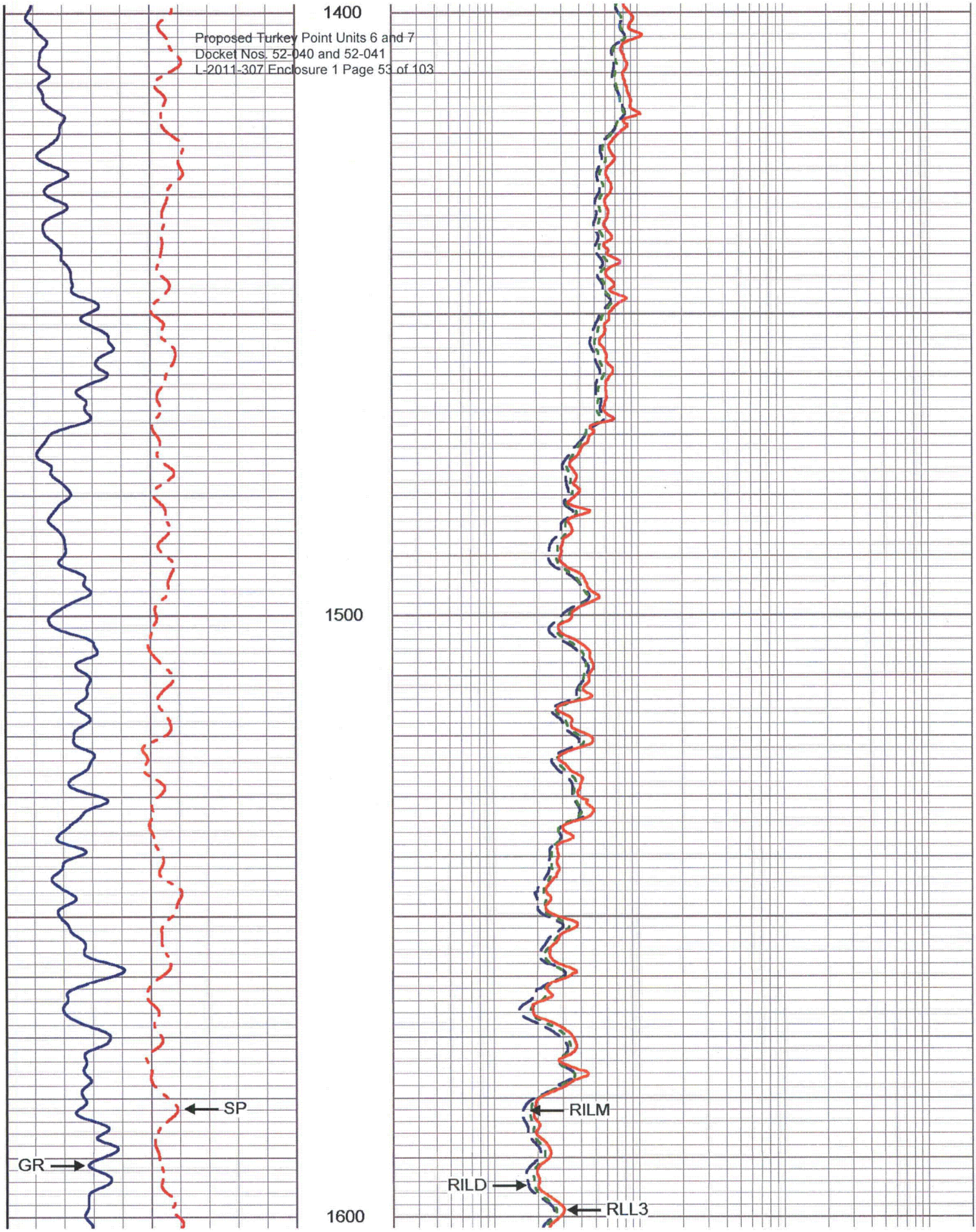
Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	DIL-5
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:240

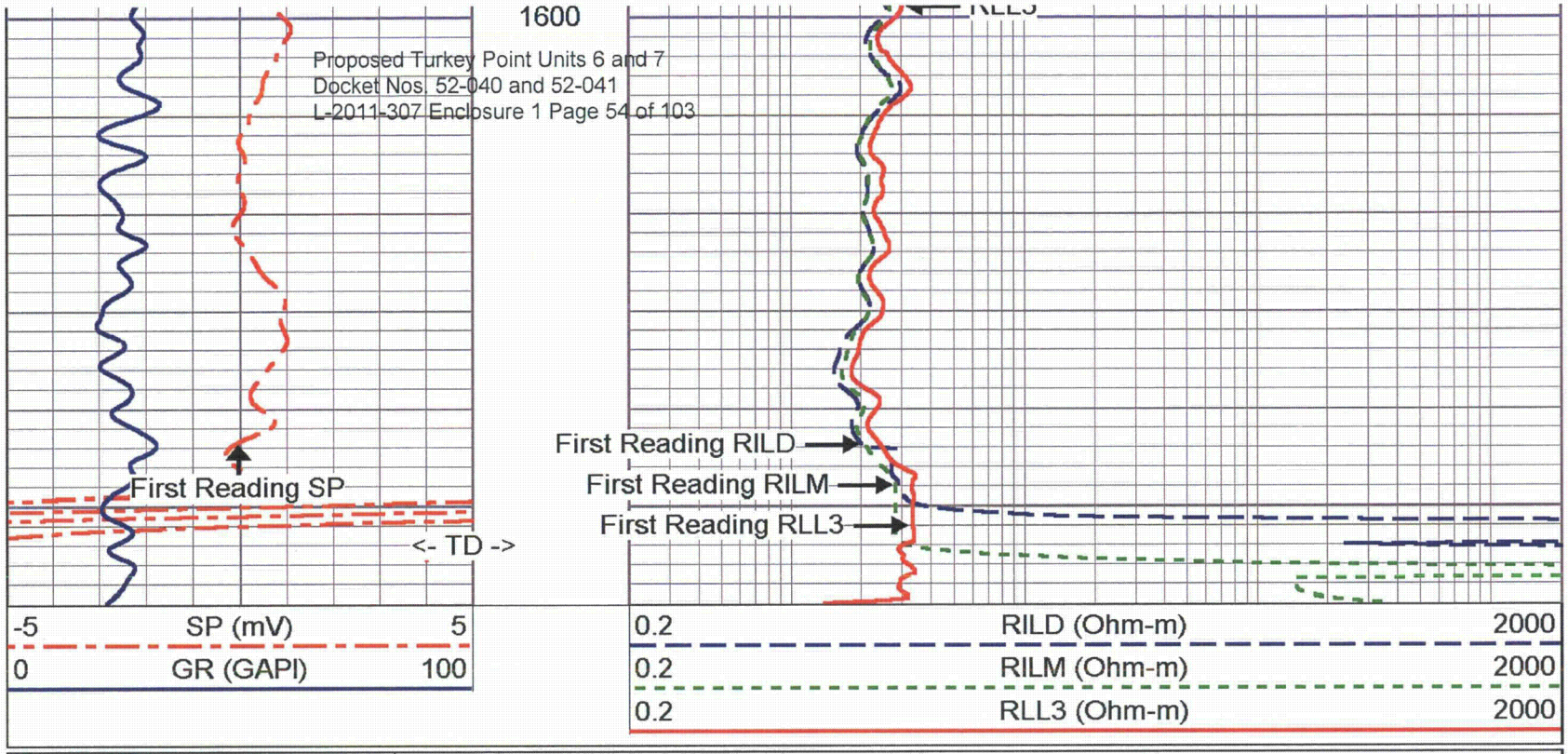
-5	SP (mV)	5
0	GR (GAPI)	100

0.2	RILD (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000




1200
1300
1400

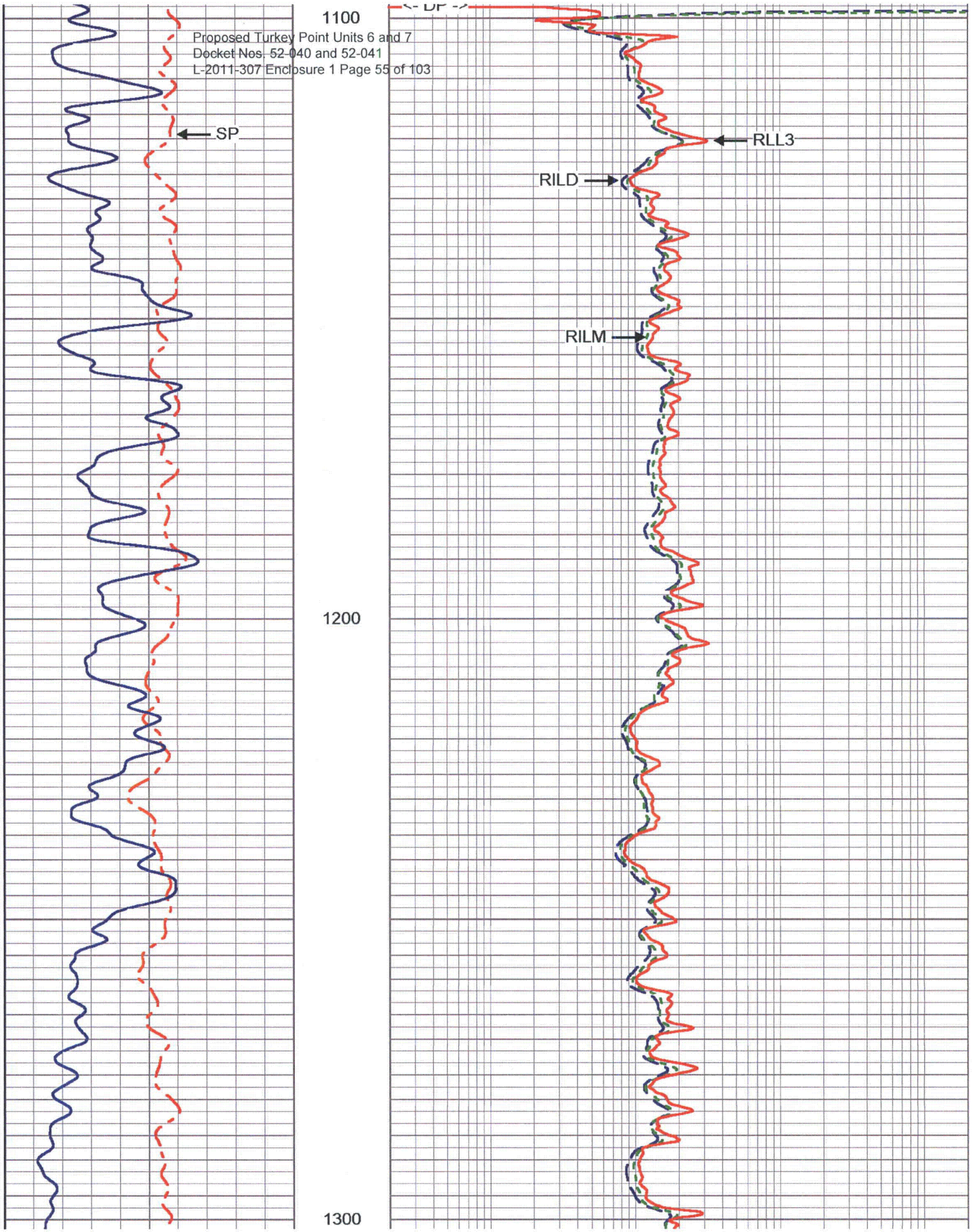

1400
1500
1600
SP
GR
RILM
RILD
RLL3

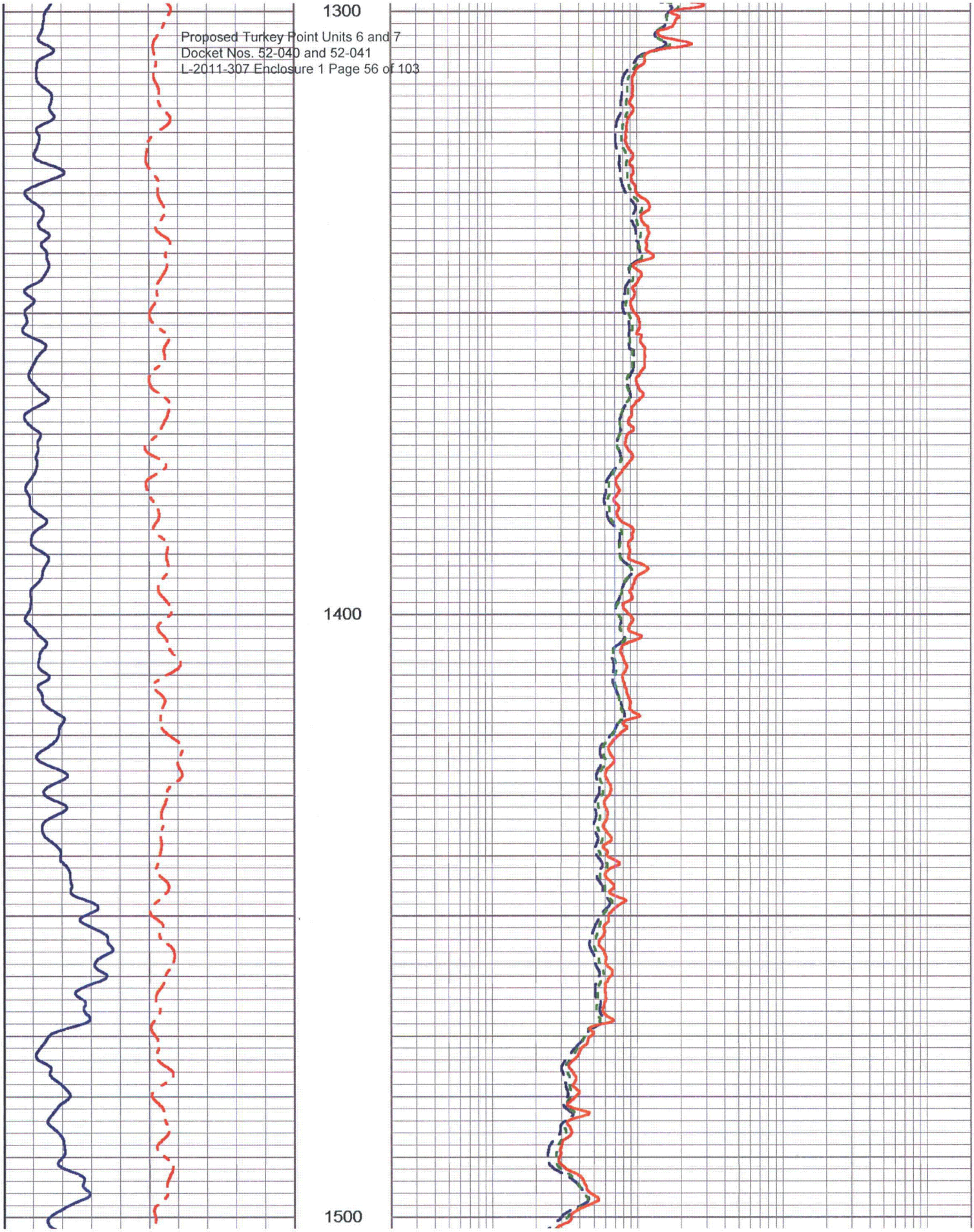


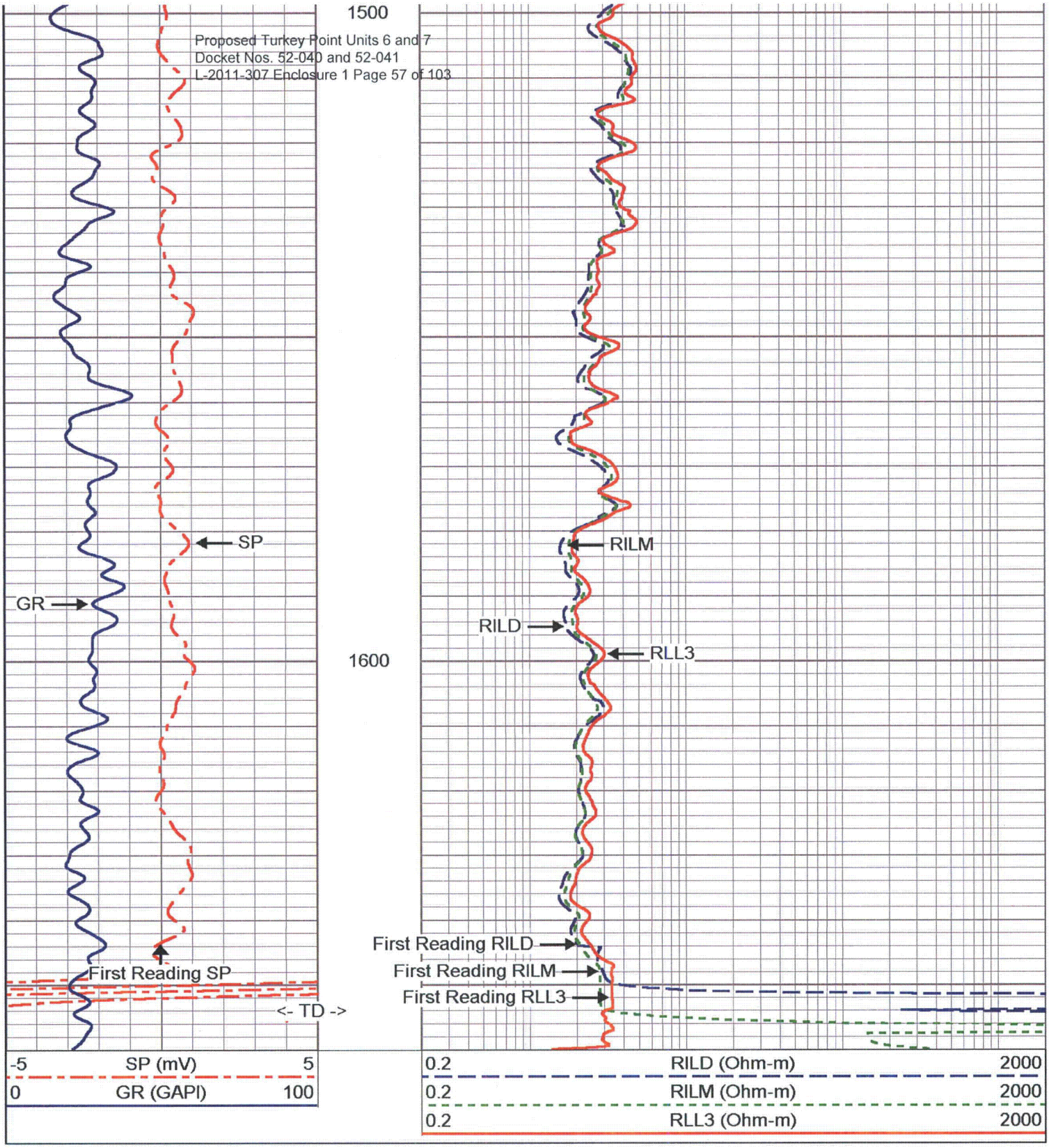
MV Geophysical

MAIN PASS

Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	DIL-5
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:240


1100
1200
1300
SP
<- DP ->
RLL3
RILD
RILM


1300
1400
1500


1500
1600
SP
GR
RILM
RILD
RLL3
First Reading SP
First Reading RILD
First Reading RILM
First Reading RLL3
<- TD ->
-5
SP (mV)
5
0
GR (GAPI)
100
0.2
RILD (Ohm-m)
2000
0.2
RILM (Ohm-m)
2000
0.2
RLL3 (Ohm-m)
2000

Dual Induction Calibration Report

Serial-Model:	5390-R
Surface Cal Performed:	Wed Apr 21 11:17:23 2010
Downhole Cal Performed:	Wed Apr 21 11:04:55 2010
After Survey Verification Performed:	Wed Apr 21 11:04:55 2010

Surface Calibration

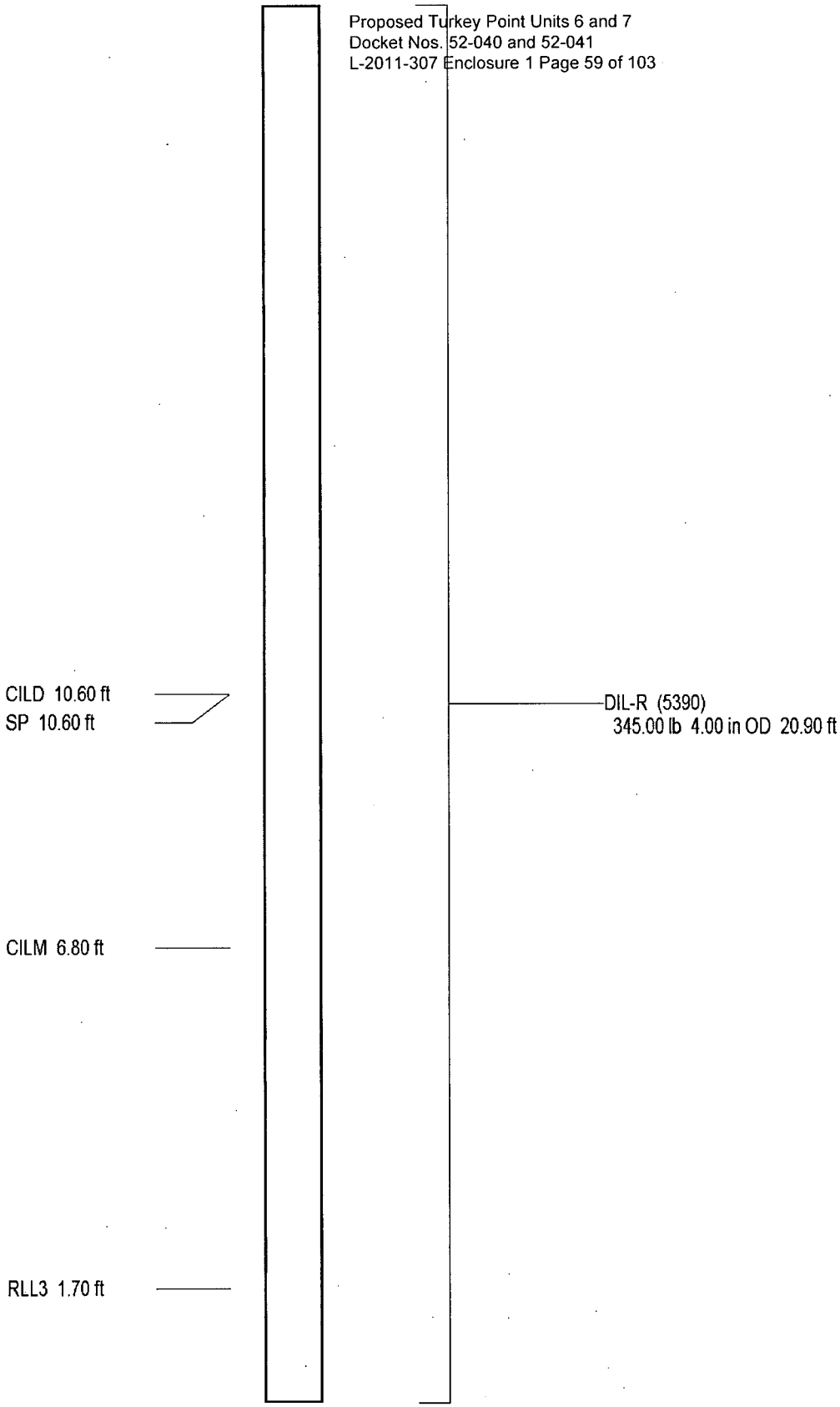
	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.050	0.645	V	0.000	400.000	mmho-m	672.269	-33.613
Medium	0.018	0.735	V	0.000	464.000	mmho-m	647.120	-11.545
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.641	V	0.000	400.000	mmho-m	634.921	-6.984
Medium	0.005	0.739	V	0.000	464.000	mmho-m	632.408	-3.370

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-43.158	78.288	mmho-m	-42.562	77.982	mmho-m	0.993	0.275
Medium	-9.475	466.701	mmho-m	-8.097	466.698	mmho-m	0.997	1.351
Shallow	2.516	0.025	V	494.500	2.000	Ohm-m	197.703	-2.980

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho-m	-43.158	78.288	mmho-m	0.993	0.275
Medium	0.000	0.000	mmho-m	-9.475	466.701	mmho-m	0.997	1.351
Shallow	0.000	0.000	Ohm-m	494.500	2.000	Ohm-m	1.000	0.000



Dataset:	run7/pass14
Total Length:	20.90 ft
Total Weight:	345.00 lb
O.D.	4.00 in

MV Geophysical

BOREHOLE COMPENSATED SONIC w/ VARIABLE DENSITY LOG

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade
State/Prv Florida

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade State/Prv Florida

Location
FPL Turkey Point Power Plant
LAT: 25 25' 19" N LONG: 80 20' 08" W
McNabb Hydrogeologic Consulting, Inc.

Other Services
XY/GR,FCT
DIL,BHC
FLO,TDS

Permanent Datum	Pad Level	Elevation
Log Measured From	Pad Level	
Drilling Measured From	Pad Level	

Elevation
K.B.
D.F.
G.L.

Date	12-JUL-2011		
Run Number	SIX-d		
Depth Driller	1655'		
Depth Logger	1654'		
Bottom Logged Interval	1646'		
Top Log Interval	1085'		
Open Hole Size	12.25"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	01:15 7/12/2011		
Time Logger on Bottom	08:15 7/12/2011		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	D.Daigle (ASRus)	K.Greuel (LCC)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	64"	0.375" WT	SURFACE	33'
Prot. String	54"	0.375" WT	SURFACE	255'
Production String	44"	0.375" WT	SURFACE	1090'
Liner				LTP1.db
Invoice No.	2011102	P.O. #:	8fld/las/pdf	* FINAL PRINT *

<< Fold Here >>

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Comments

Sonic Porosity was run on a Limestone Matrix (=47.5)

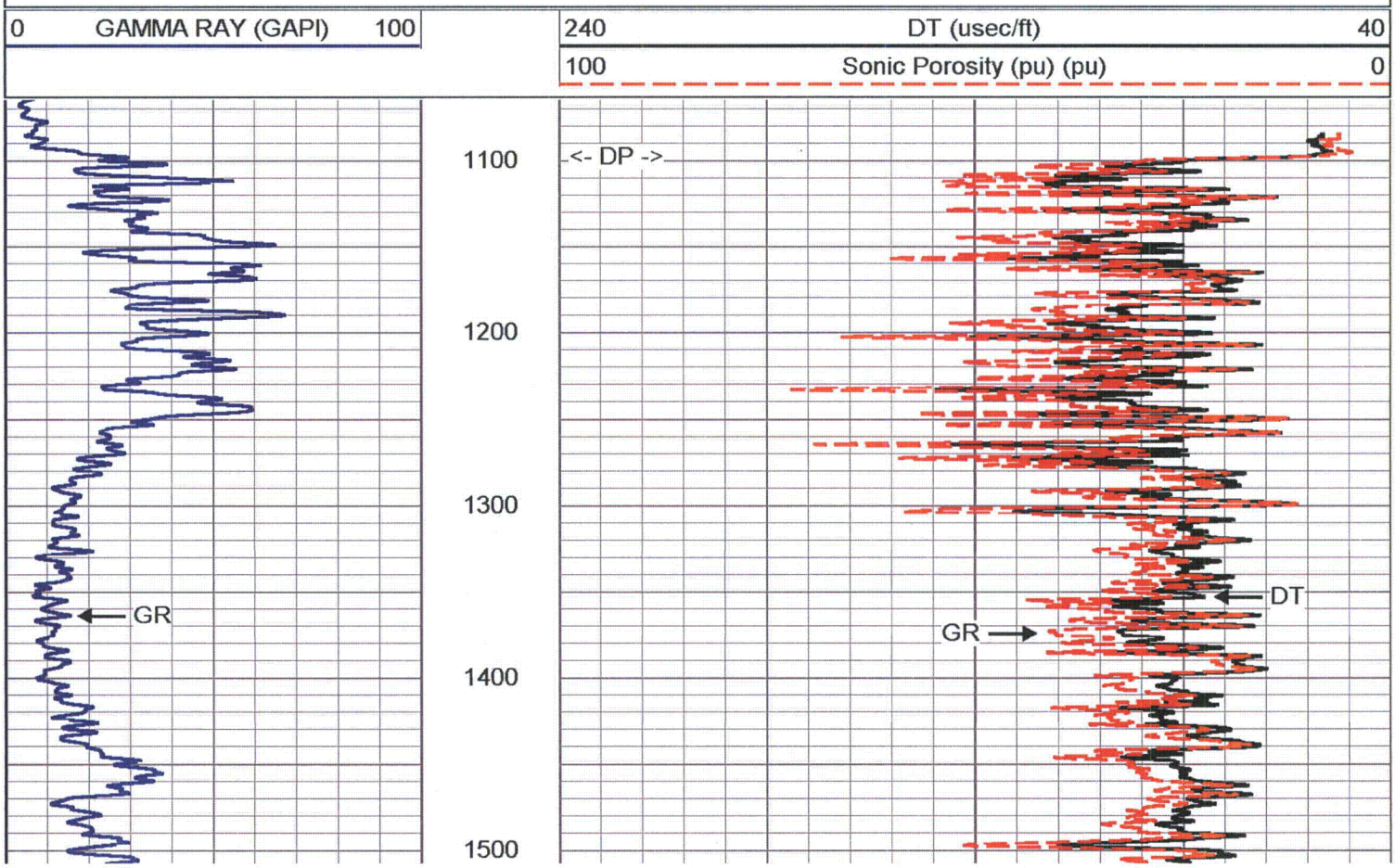
Drill Pipe set to 1098'

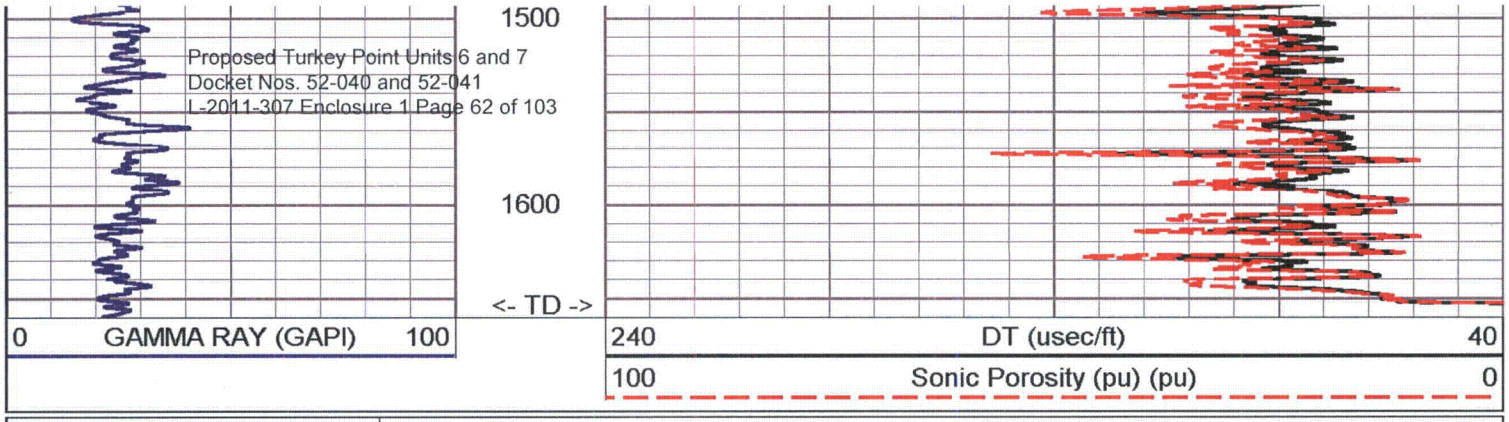
Full Riser / Hydraulic Packoff

MV Geophysical

MAIN PASS

Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	DTG-11
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:1200



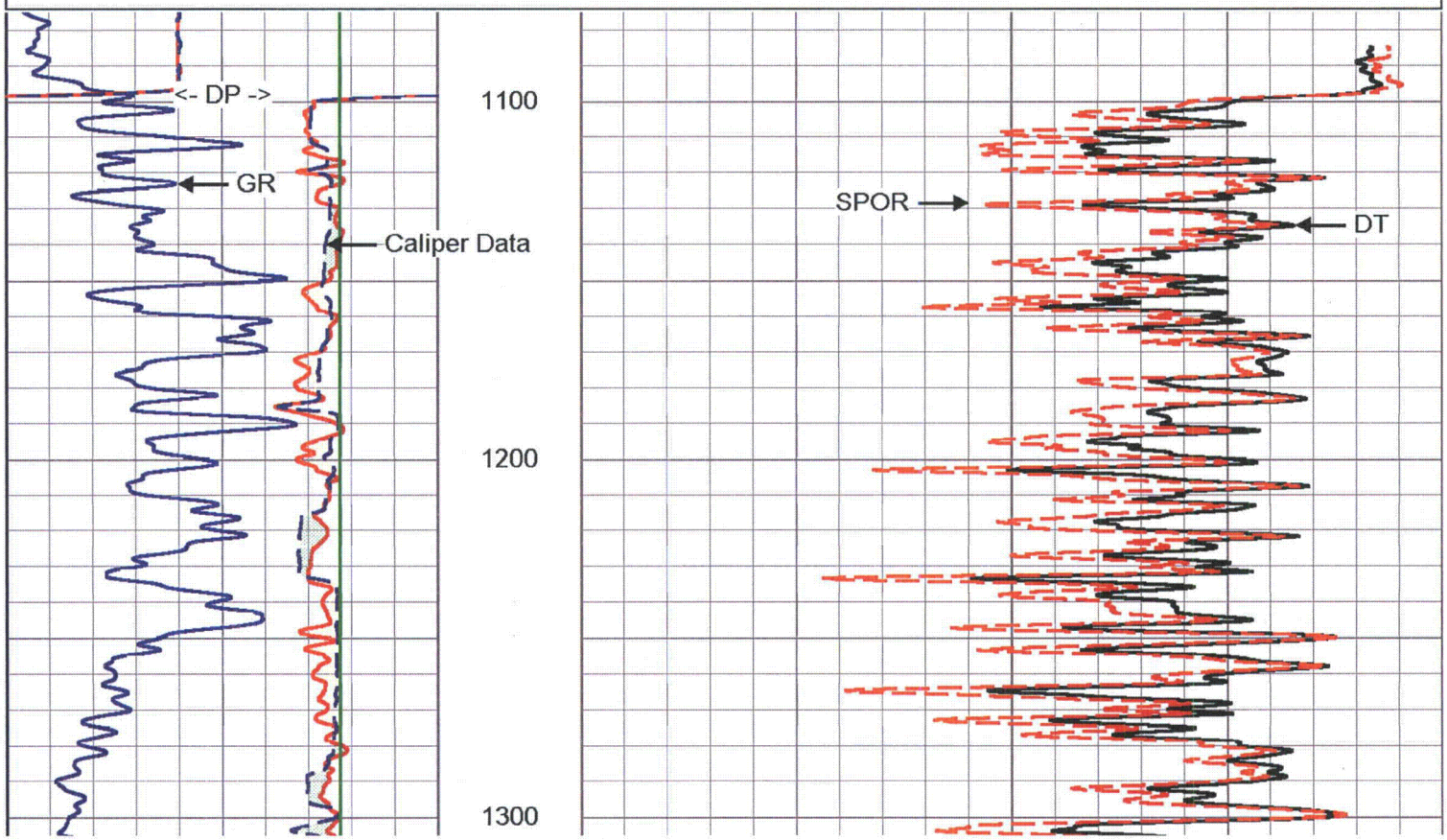


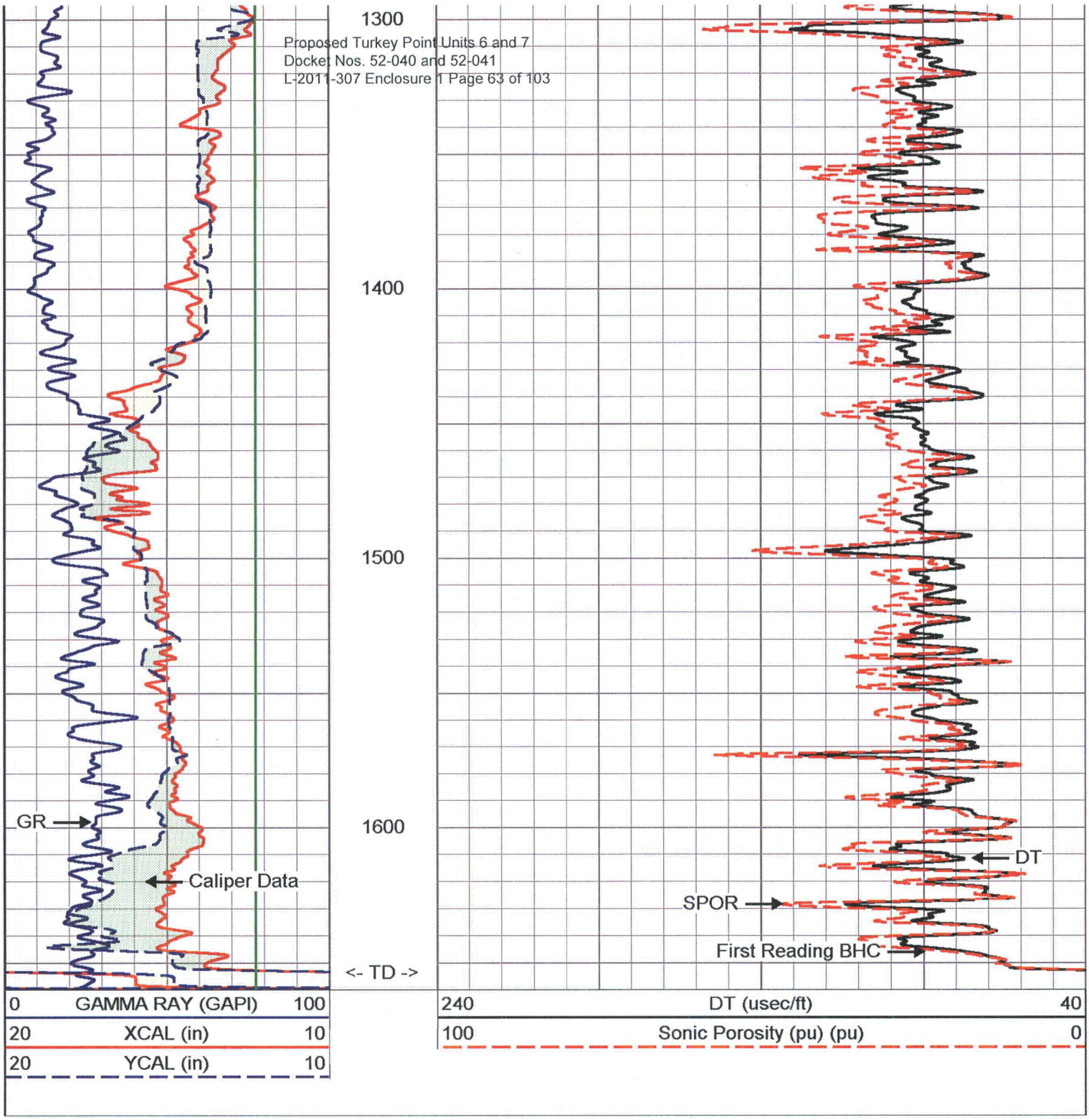
MV Geophysical

MAIN PASS

Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	DTXY12G1
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:600

0	GAMMA RAY (GAPI)	100
20	XCAL (in)	10
20	YCAL (in)	10
240	DT (usec/ft)	40
100	Sonic Porosity (pu) (pu)	0




1300
1400
1500
1600
GR
Caliper Data
<- TD ->
DT
SPOR
First Reading BHC
0 GAMMA RAY (GAPI) 100
20 XCAL (in) 10
20 YCAL (in) 10
240 DT (usec/ft) 40
100 Sonic Porosity (pu) (pu) 0

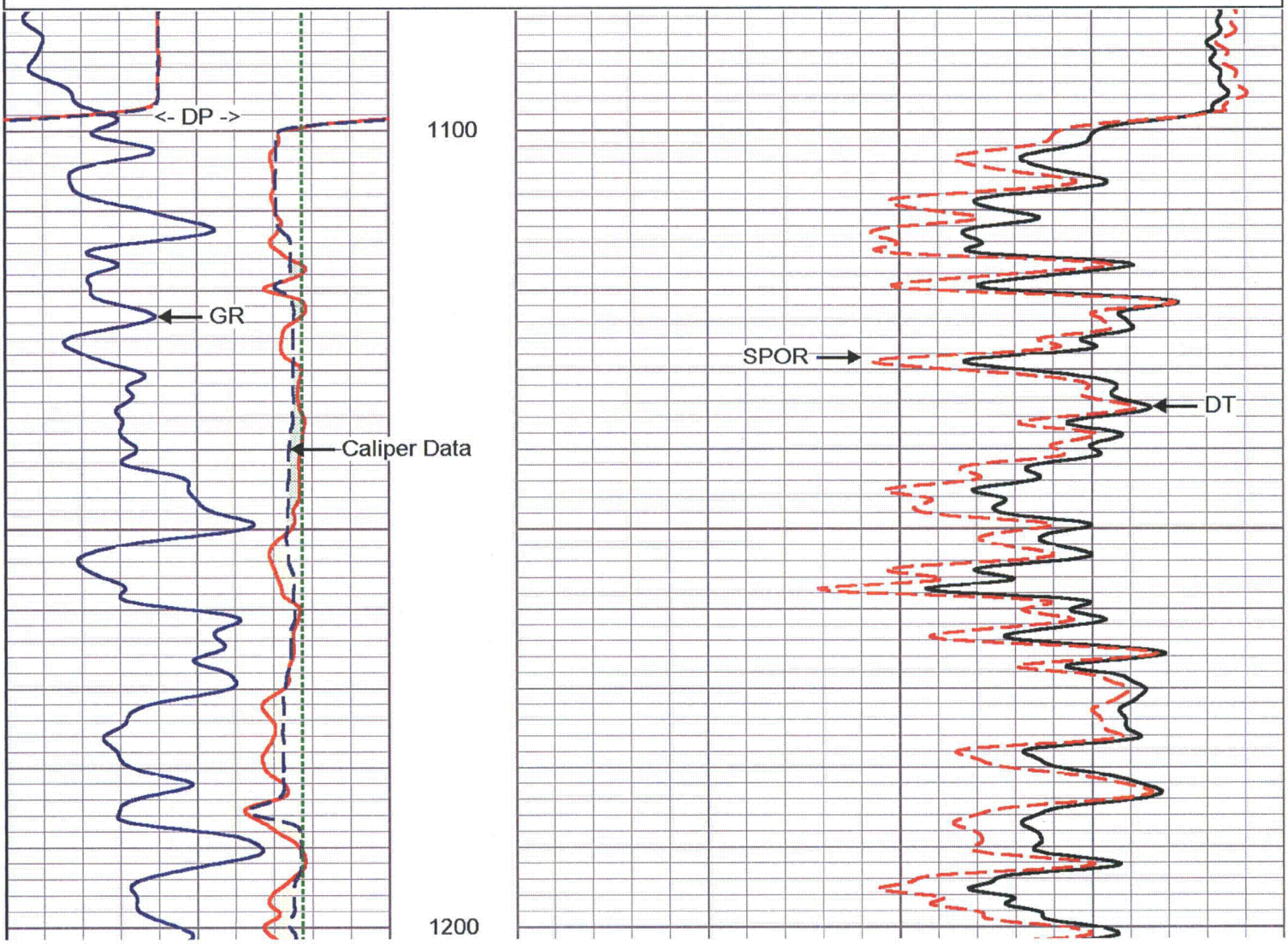
MV Geophysical

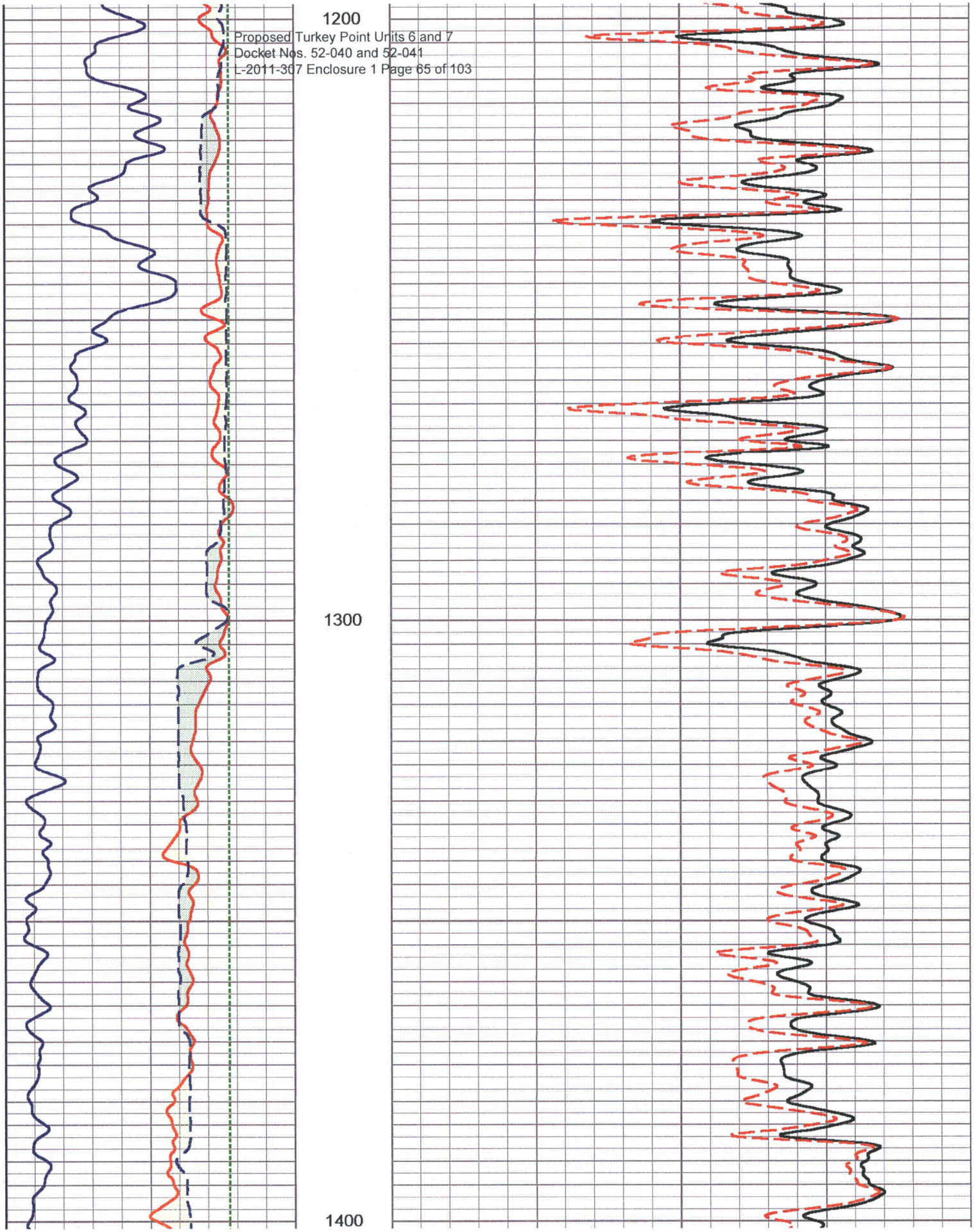
MAIN PASS

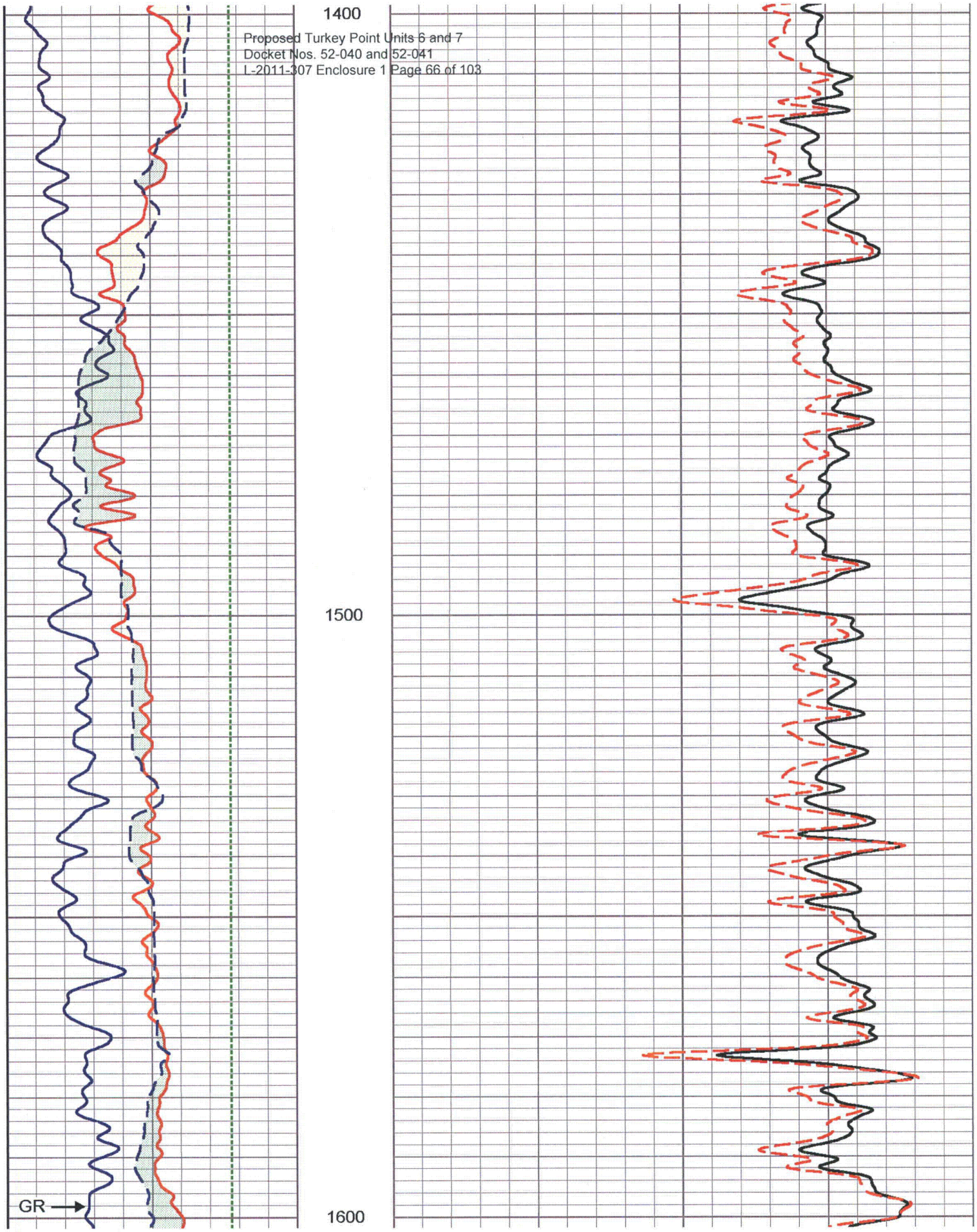
Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	DTXY12G1
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:240

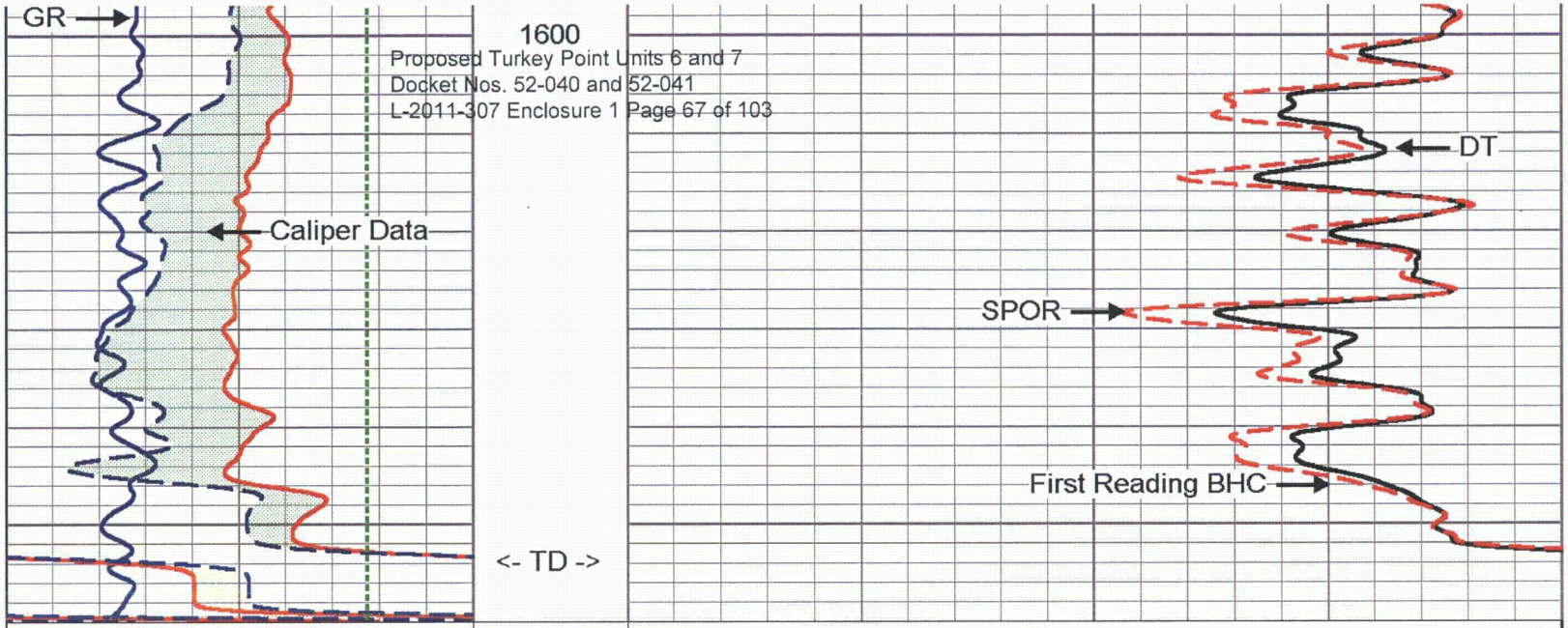
0	GAMMA RAY (GAPI)	100
20	XCAL (in)	10
20	YCAL (in)	10

240	DT (usec/ft)	40
100	Sonic Porosity (pu) (pu)	0




1200
1300
1400


1400
1500
1600
GR



0	GAMMA RAY (GAPI)	100
20	XCAL (in)	10
20	YCAL (in)	10

240	DT (usec/ft)	40
100	Sonic Porosity (pu) (pu)	0

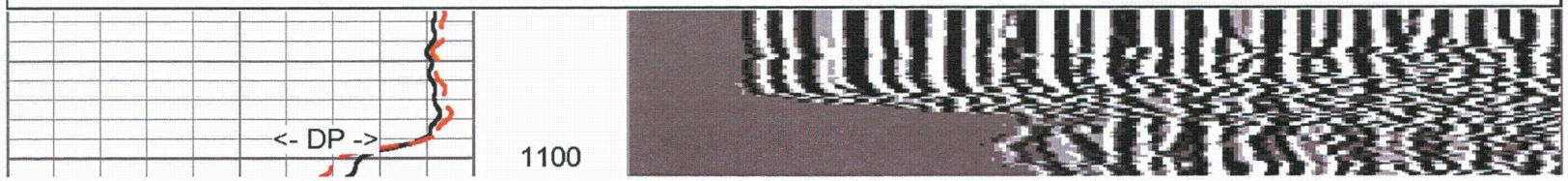
MV Geophysical

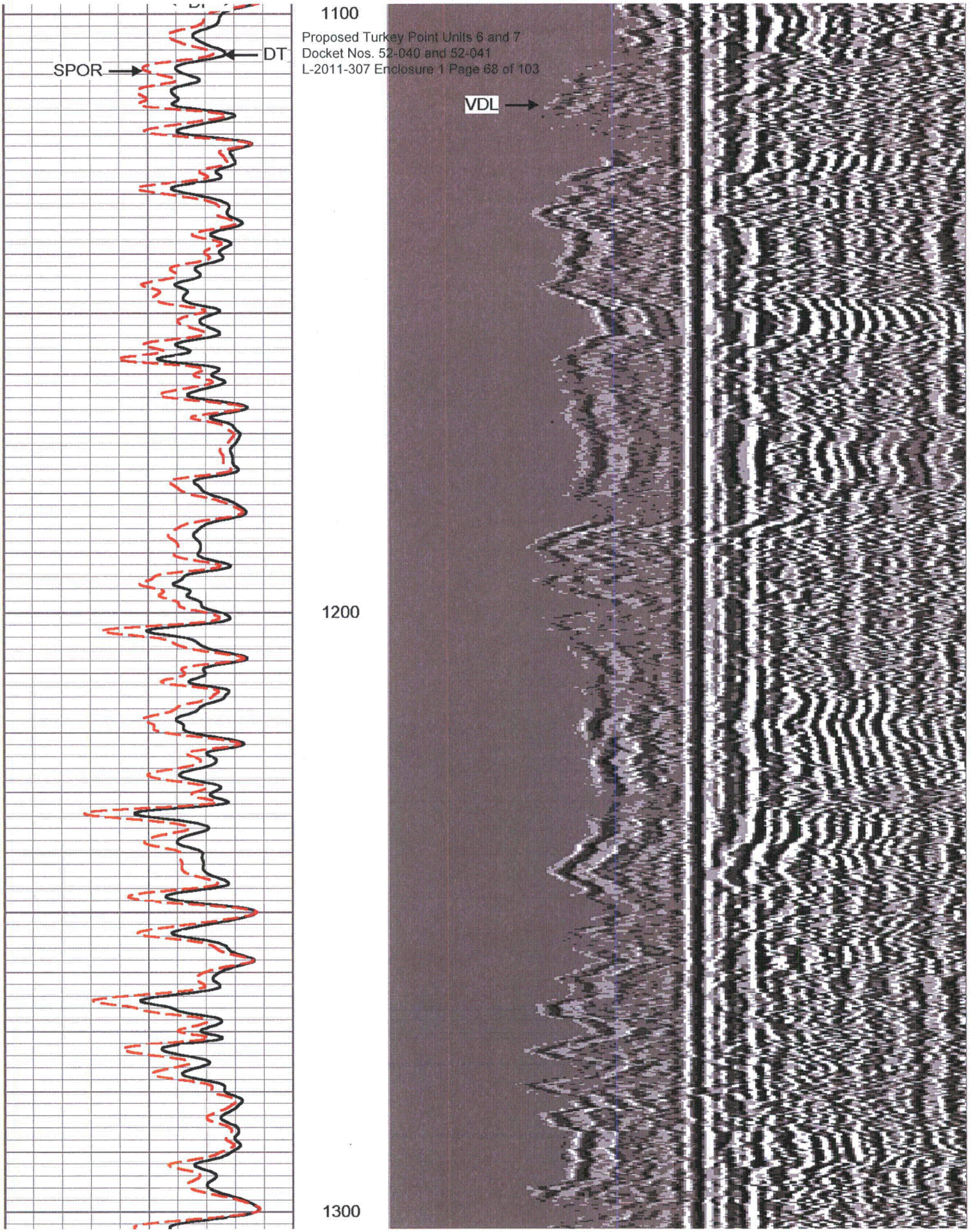
MAIN PASS

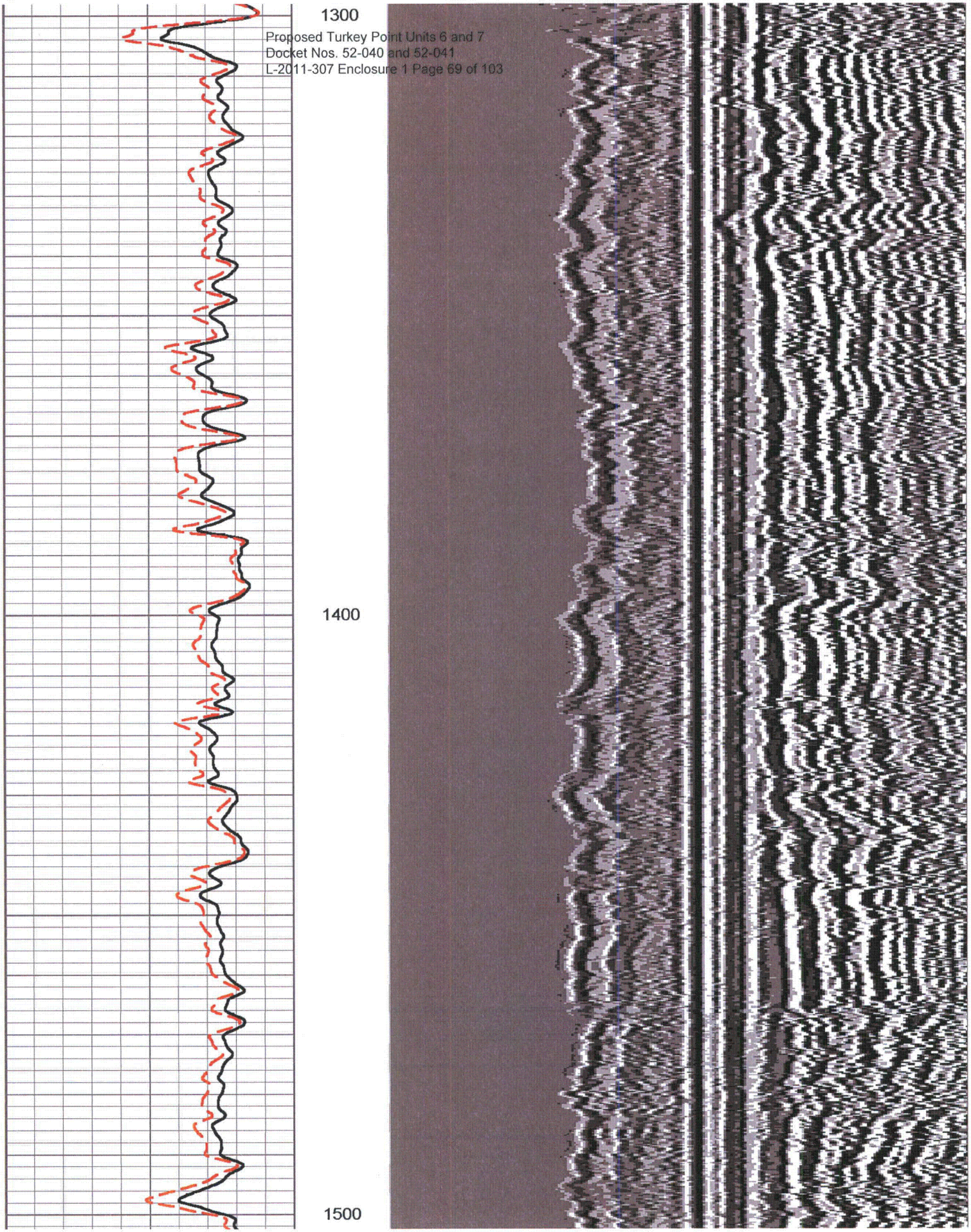
Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	SON_VDL
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:240

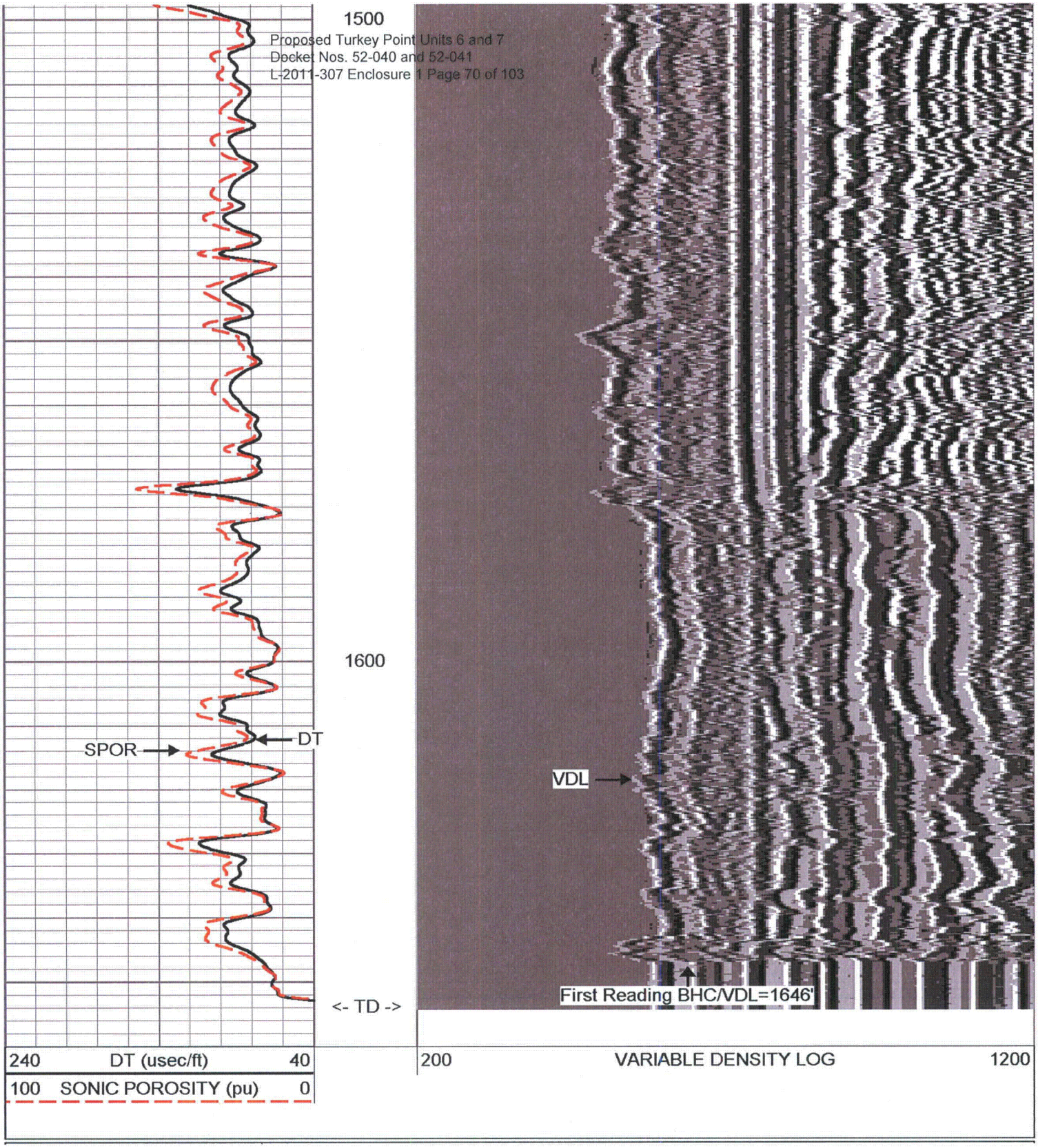
240	DT (usec/ft)	40
100	SONIC POROSITY (pu)	0

200	VARIABLE DENSITY LOG	1200




SPOR
DT
VDL
1100
1200
1300


1300
1400
1500

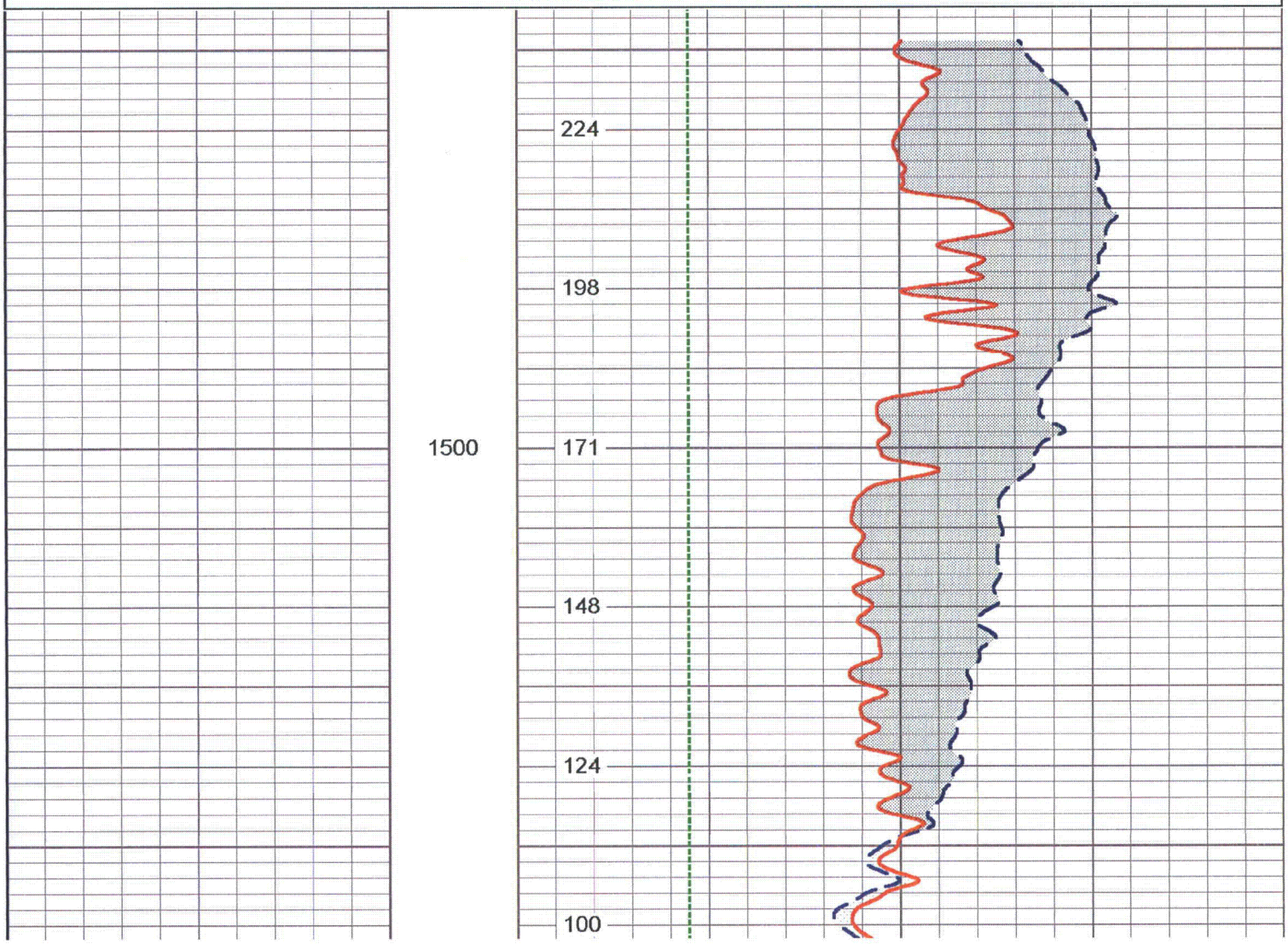

1500
1600
SPOR
DT
<- TD ->
240
DT (usec/ft)
40
100
SONIC POROSITY (pu)
0
VDL
First Reading BHC/VDL=1646'
200
VARIABLE DENSITY LOG
1200

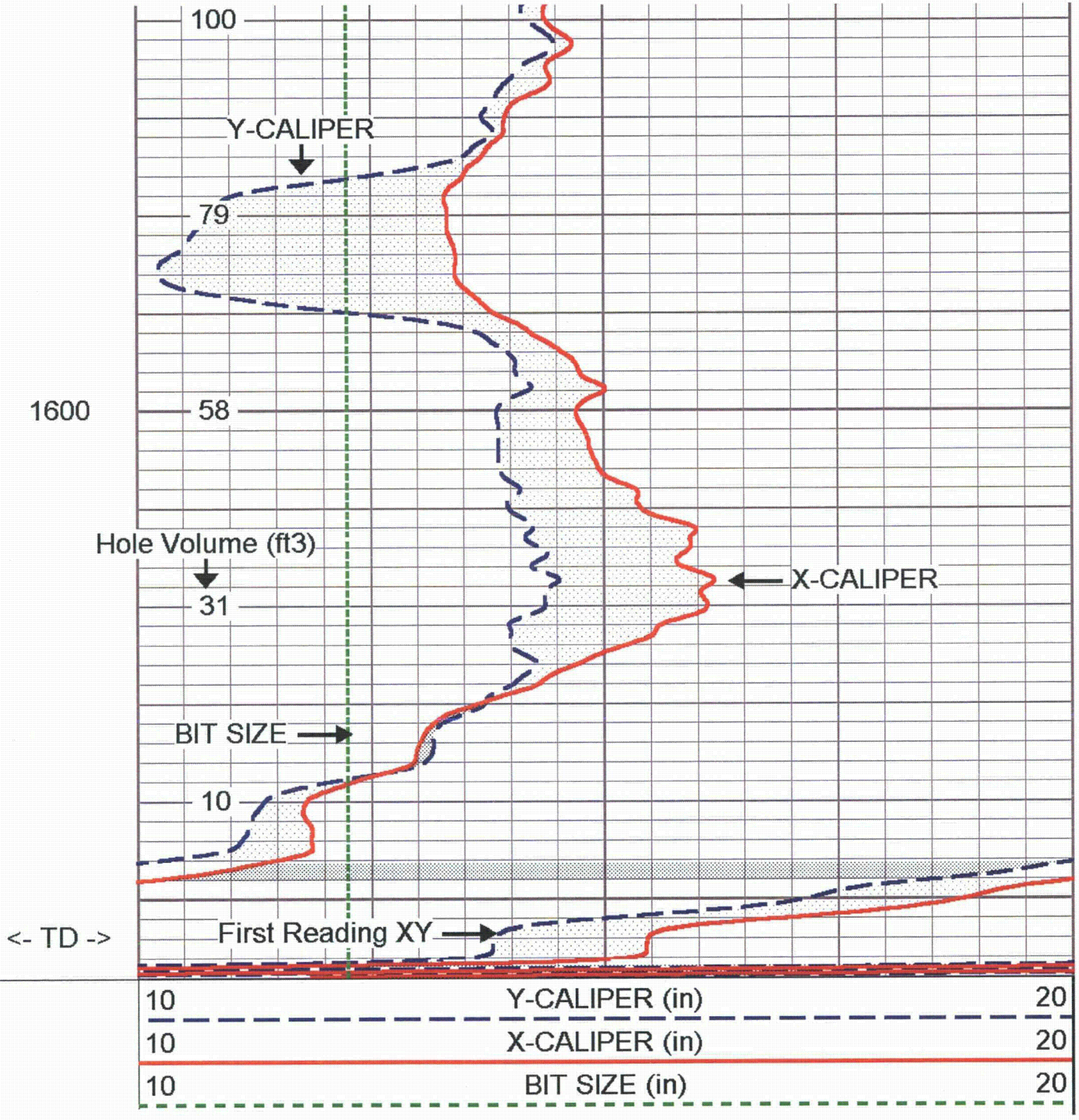
MV Geophysical

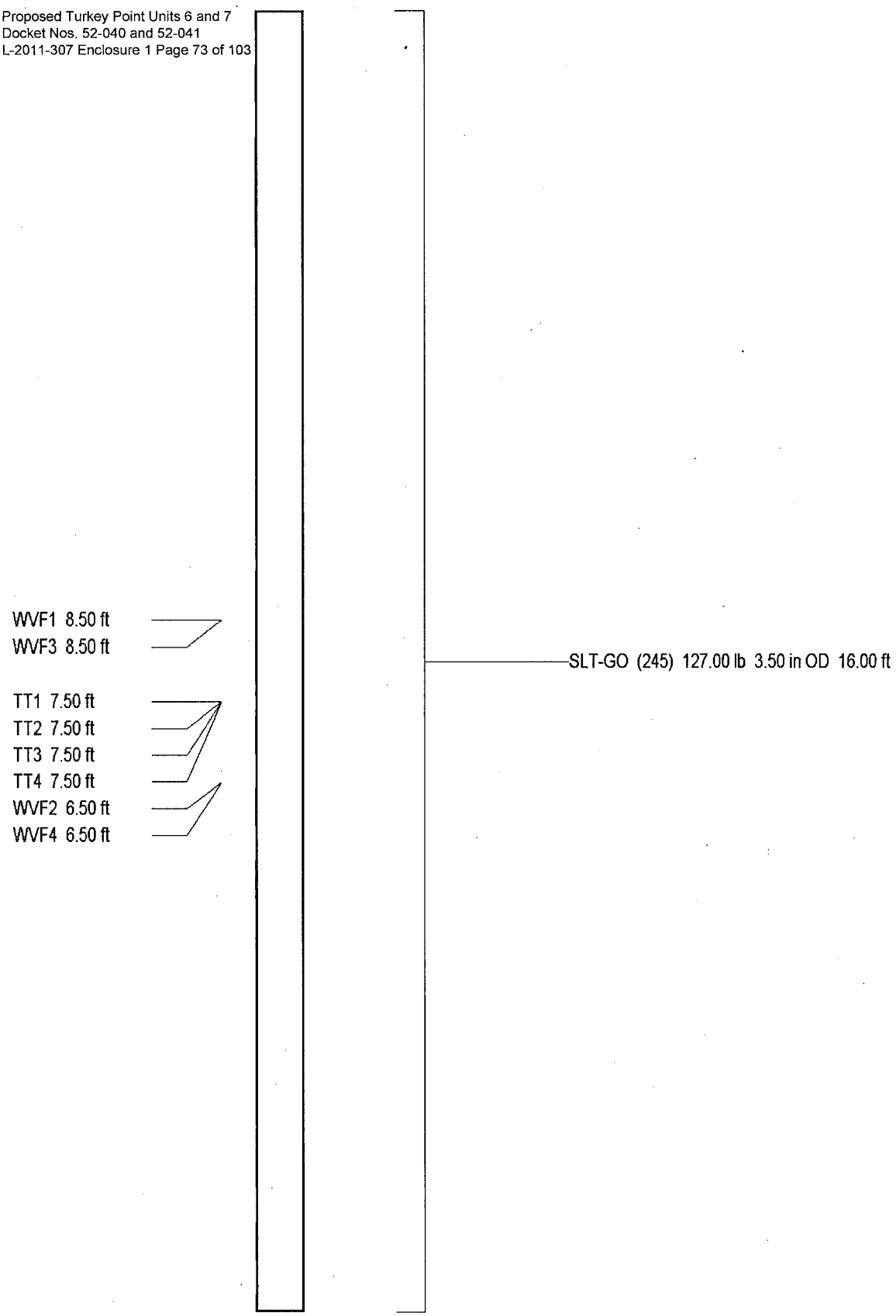
REPEAT SECTION

Database File: ltp1.db
Dataset Pathname: run6/REPEAT
Presentation Format: XY1020-5
Dataset Creation: Fri Jul 08 22:03:07 2011
Charted by: Depth in Feet scaled 1:240

10	Y-CALIPER (in)	20
10	X-CALIPER (in)	20
10	BIT SIZE (in)	20




100
Y-CALIPER
79
1600
58
Hole Volume (ft3)
31
X-CALIPER
BIT SIZE
10
<- TD ->
First Reading XY
10
Y-CALIPER (in)
20
10
X-CALIPER (in)
20
10
BIT SIZE (in)
20



Dataset:	run7/pass17
Total Length:	16.00 ft
Total Weight:	127.00 lb
O.D.	3.50 in

MV Geophysical

TDS COMPILATION LOG

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade
State/Prv Florida

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade State/Prv Florida

Location
FPL Turkey Point Power Plant
LAT: 25 25' 19" N LONG: 80 20' 08" W
McNabb Hydrogeologic Consulting, Inc.

Other Services
XY/GR,FCT
DIL,BHC
FLO,TDS

Permanent Datum	Pad Level	Elevation
Log Measured From	Pad Level	
Drilling Measured From	Pad Level	

Elevation
K.B.
D.F.
G.L.

Date	12-JUL-2011		
Run Number	SIX-d		
Depth Driller	1655'		
Depth Logger	1654'		
Bottom Logged Interval	1654'		
Top Log Interval	1045'		
Open Hole Size	12.25"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	01:15 7/12/2011		
Time Logger on Bottom	03:00 7/12/2011 D	10:00 7/12/2011 S	
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Durall (MHC)	K.Greuel (LCC)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	64"	0.375" WT	SURFACE	33'
Prot. String	54"	0.375" WT	SURFACE	255'
Production String	44"	0.375" WT	SURFACE	1090'
Liner				LTP1.db
Invoice No.	2011102	P.O. #:	8fld/las/pdf	* FINAL PRINT *

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Comments

The TDS compilation plot id derived from Dual Induction,
Borehole Compensated Sonic, Fluid Conductivity and Caliper data.

Drill Pipe set to 1098'

MV Geophysical

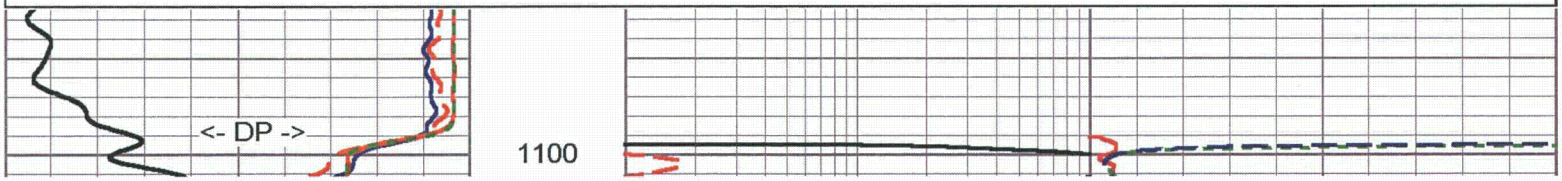
MAIN PASS

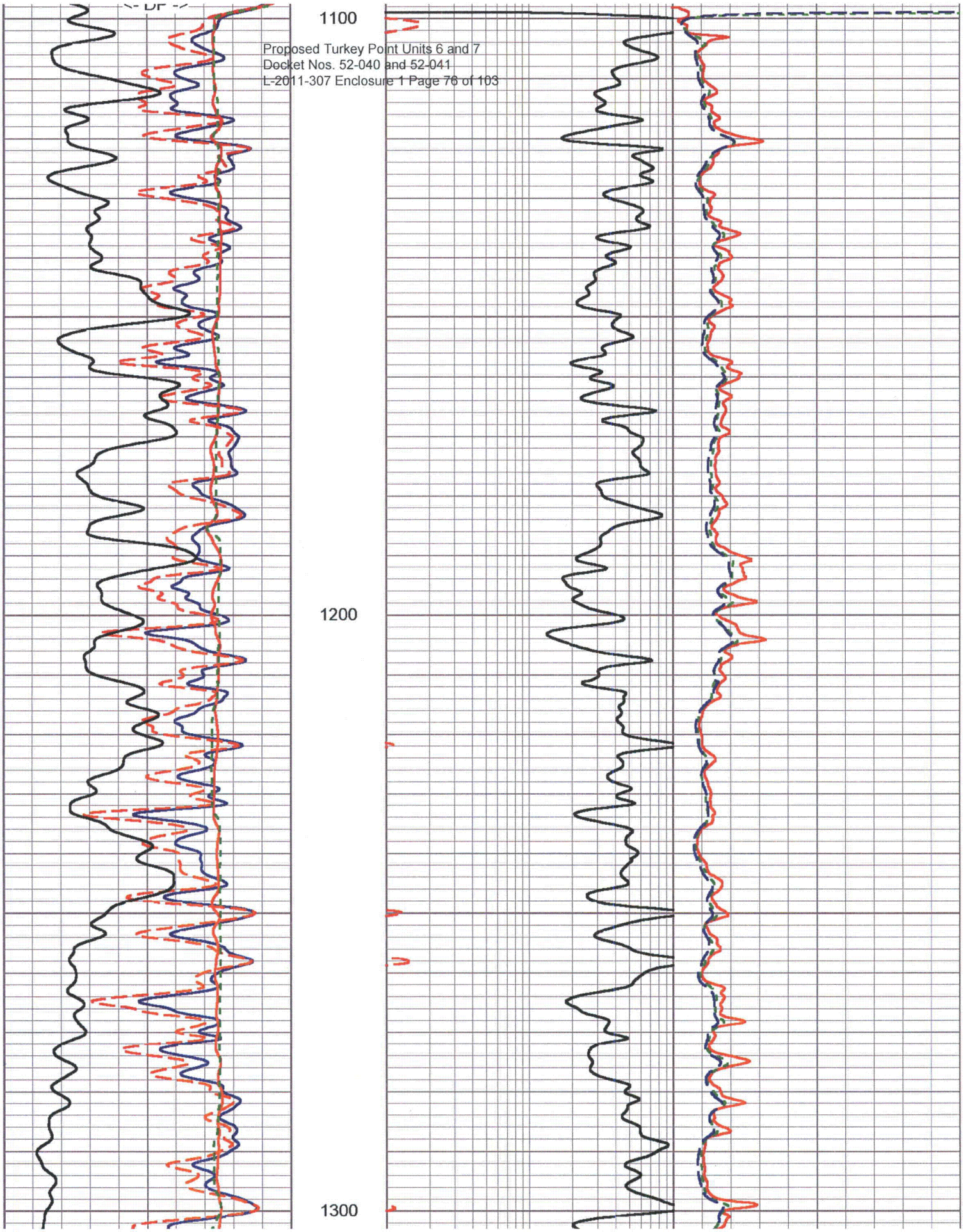
Database File:	ltp1.db
Dataset Pathname:	run7/MAIN
Presentation Format:	TDSPC3
Dataset Creation:	Tue Jul 12 02:36:16 2011
Charted by:	Depth in Feet scaled 1:240

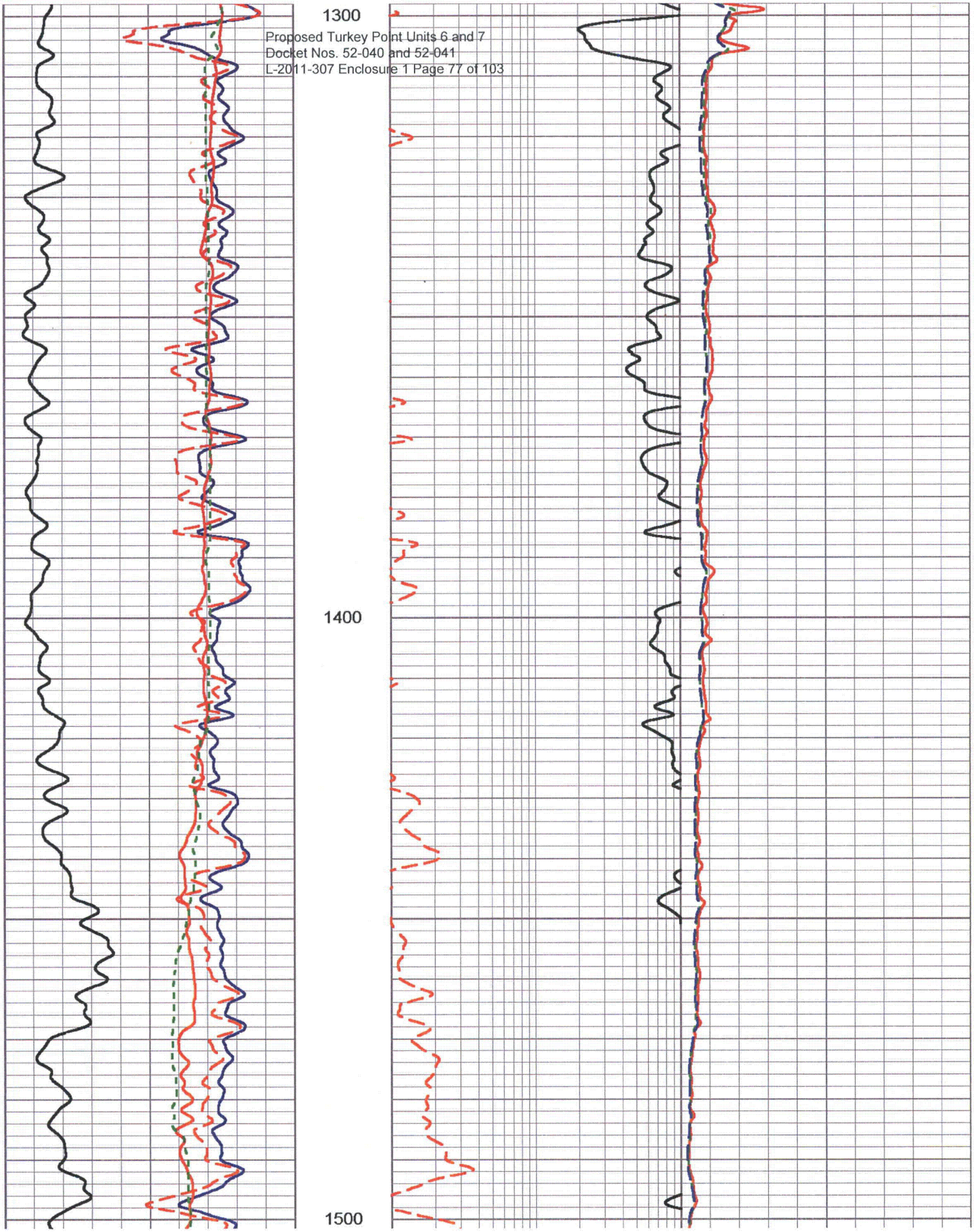
240	Delta T (usec/ft)	40
100	spor (pu)	0
35	XCAL (in)	5
35	YCAL (in)	5
0	Gamma Ray (GAPI)	100

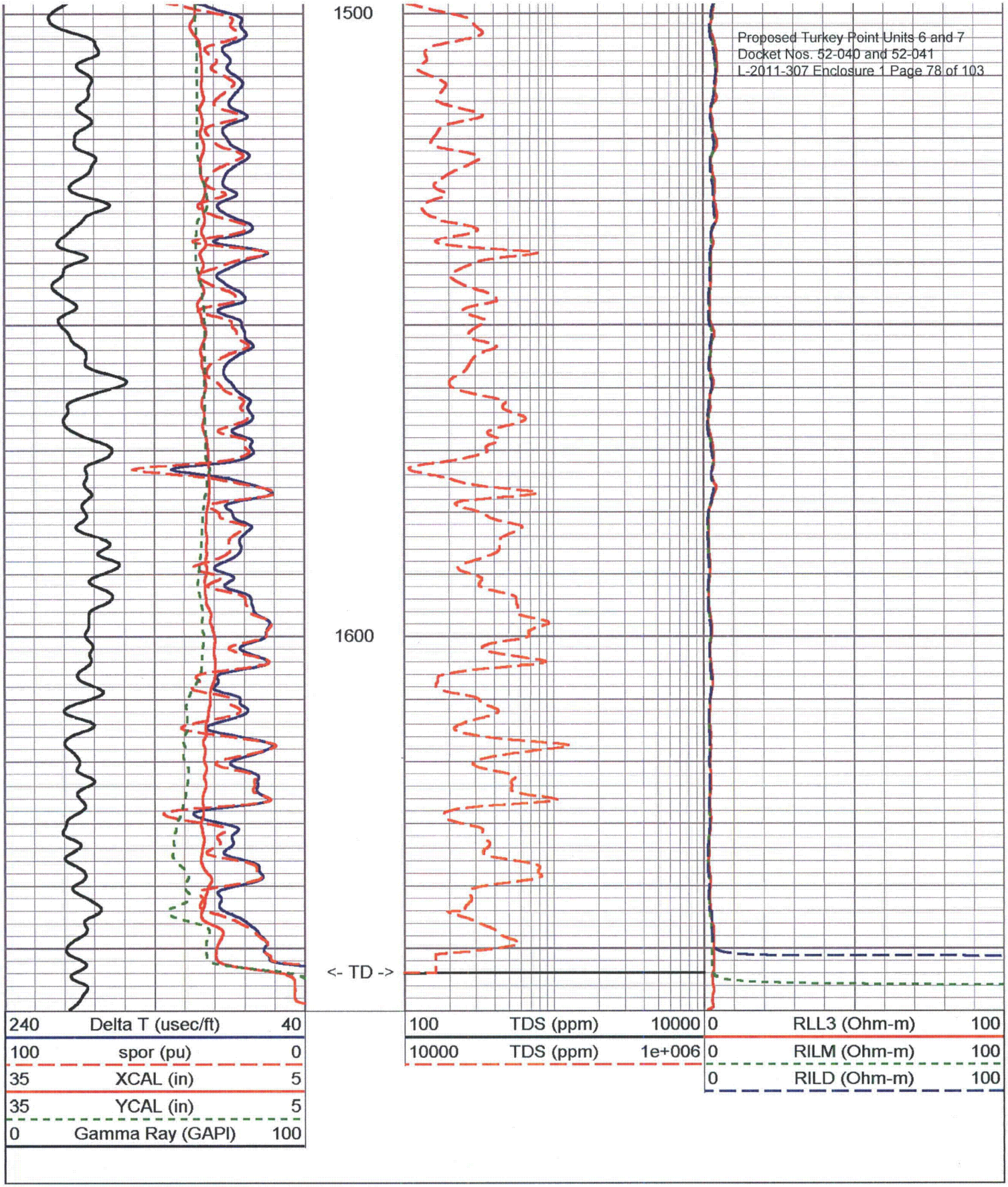
100	TDS (ppm)	10000
10000	TDS (ppm)	1e+006

0	RLL3 (Ohm-m)	100
0	RILM (Ohm-m)	100
0	RILD (Ohm-m)	100




<- DF ->
1100
1200
1300


1300
1400
1500


1500
1600
<- TD ->
240 Delta T (usec/ft) 40
100 spor (pu) 0
35 XCAL (in) 5
35 YCAL (in) 5
0 Gamma Ray (GAPI) 100
100 TDS (ppm) 10000
10000 TDS (ppm) 1e+006
0 RLL3 (Ohm-m) 100
0 RILM (Ohm-m) 100
0 RILD (Ohm-m) 100

MV Geophysical

FLUID CONDUCTIVITY TEMPERATURE LOG

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade
State/Prv Florida

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade State/Prv Florida

Location
FPL Turkey Point Power Plant
LAT: 25 25' 19" N LONG: 80 20' 08" W
McNabb Hydrogeologic Consulting, Inc.

Other Services
XY/GR,FCT
DIL,BHC
FLO,TDS

Permanent Datum	Pad Level	Elevation
Log Measured From	Pad Level	
Drilling Measured From	Pad Level	

Elevation
K.B.
D.F.
G.L.

Date	12-JUL-2011		
Run Number	SIX-d		
Depth Driller	1655'		
Depth Logger	1654'		
Bottom Logged Interval	1654'		
Top Log Interval	1045'		
Open Hole Size	12.25"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	01:15 7/12/2011		
Time Logger on Bottom	03:00 7/12/2011 D	10:00 7/12/2011 S	
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Durall (MHC)	K.Greuel (LCC)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	64"	0.375" WT	SURFACE	33'
Prot. String	54"	0.375" WT	SURFACE	255'
Production String	44"	0.375" WT	SURFACE	1090'
Liner				LTP1.db
Invoice No.	2011102	P.O. #:	8fld/las/pdf	* FINAL PRINT *

<< Fold Here >>>

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Comments

DYNAMIC & STATIC down passes were performed.
Cw =5,860 uS/cm @ 7980 degC (from 1600'); Q=285 gpm.

FLUID RESISTIVITY CALIBRATION REPORT (Performed: 19-JUN-11 10:45)

uS/cm	CPS
237.1	3060.32
2578.54	2945.87
4410.24	2673.25

TEMPERATURE CALIBRATION REPORT (Performed: 19-JUN-11 10:15)

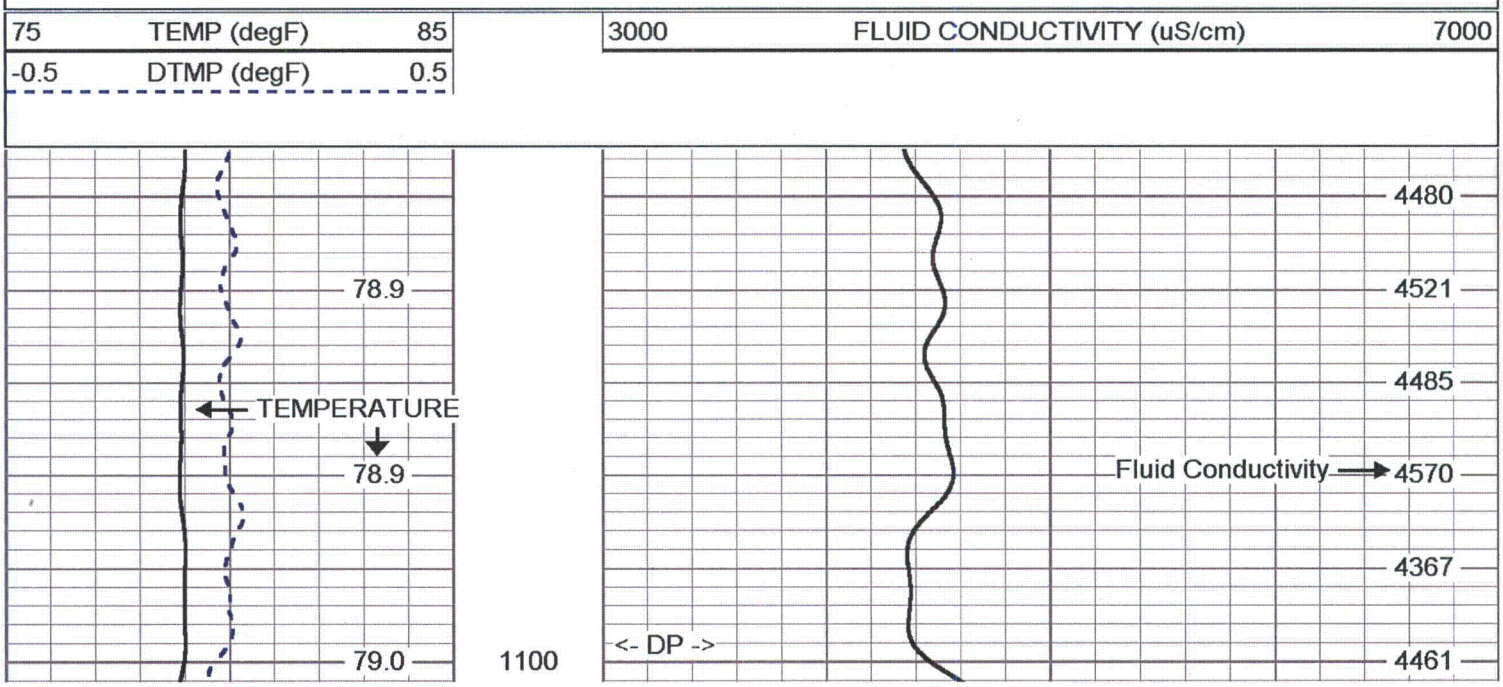
DEG-F	CPS
34.9	143.18
139.2	2600.14

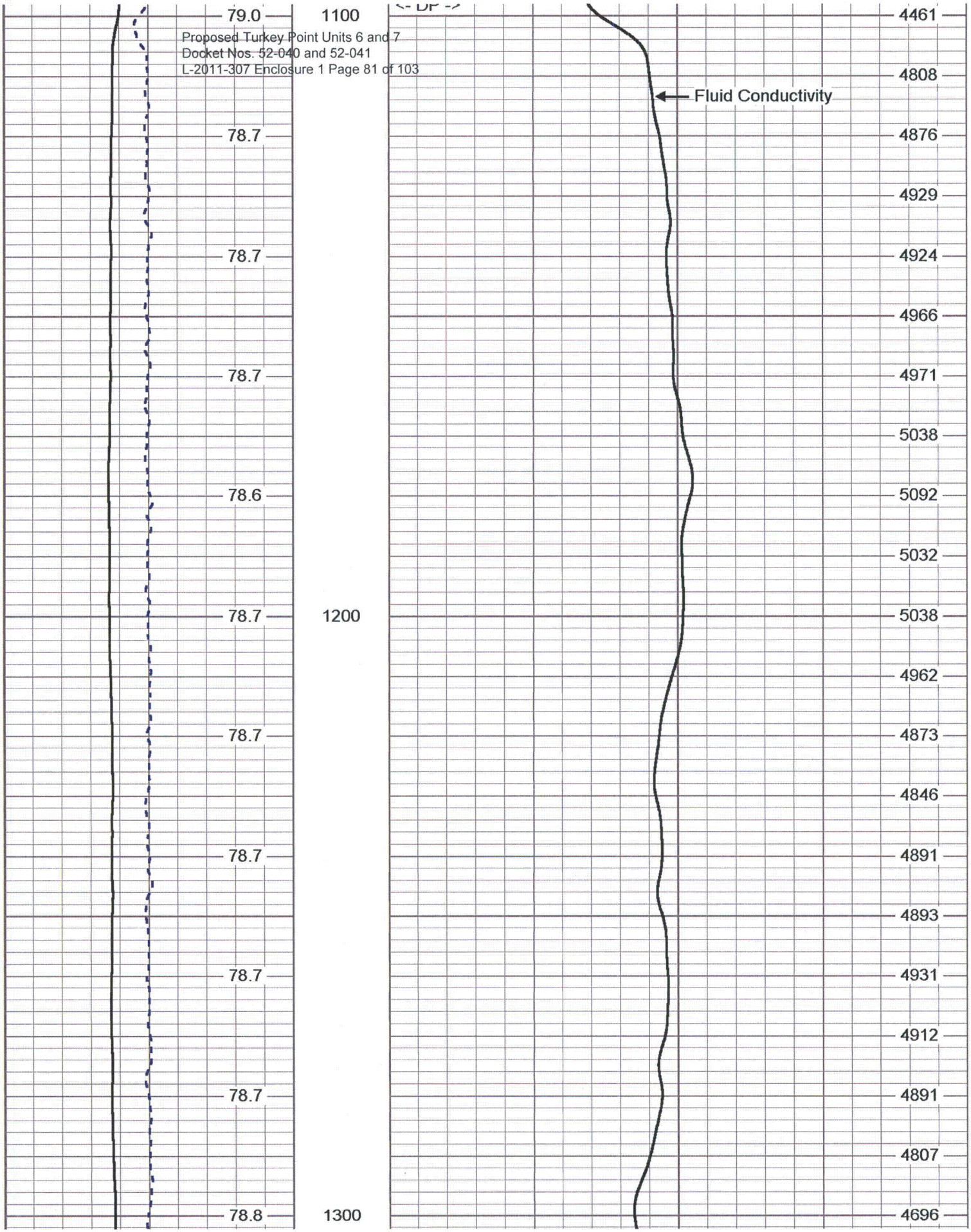
Drill Pipe set to 1098'

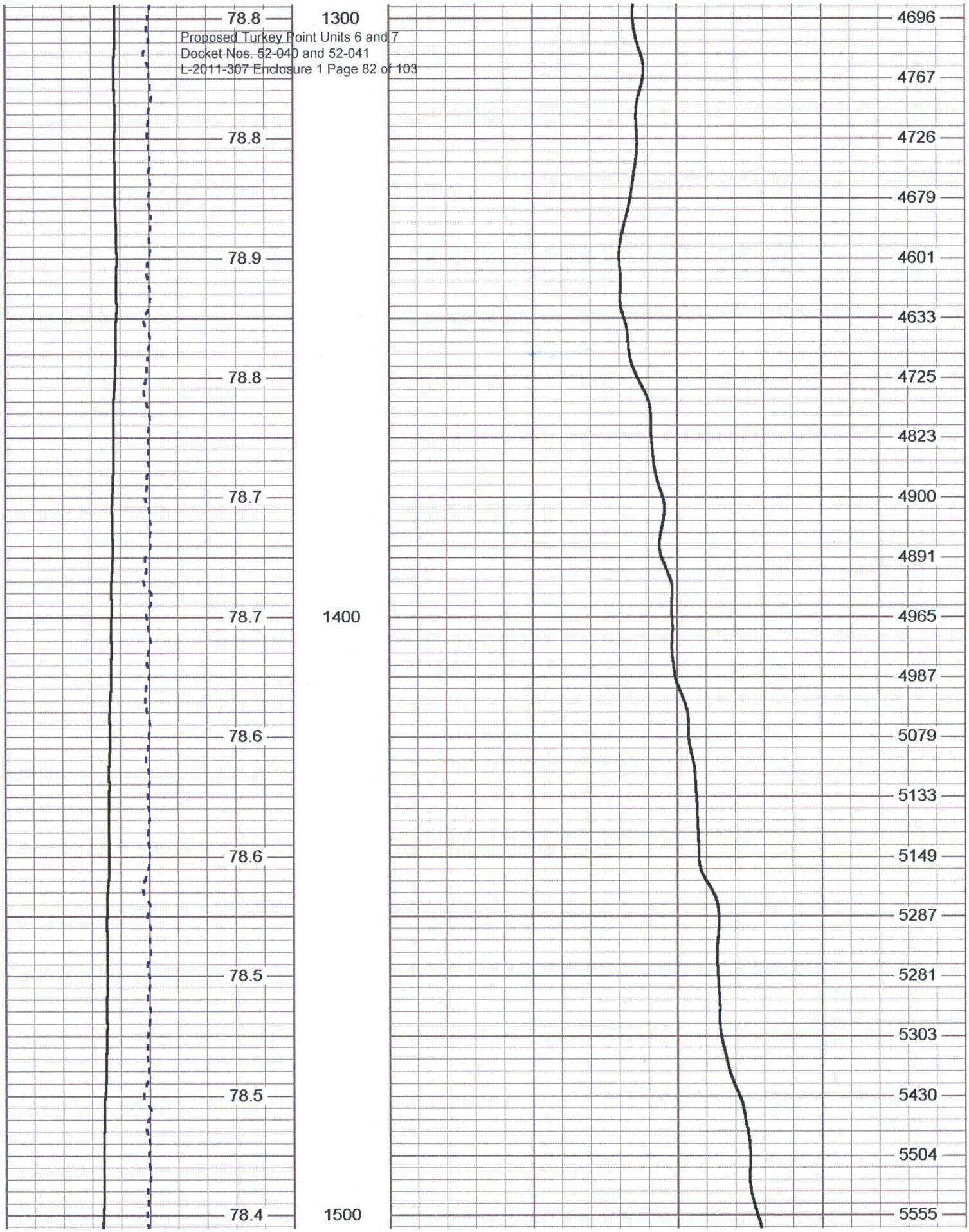
MV Geophysical

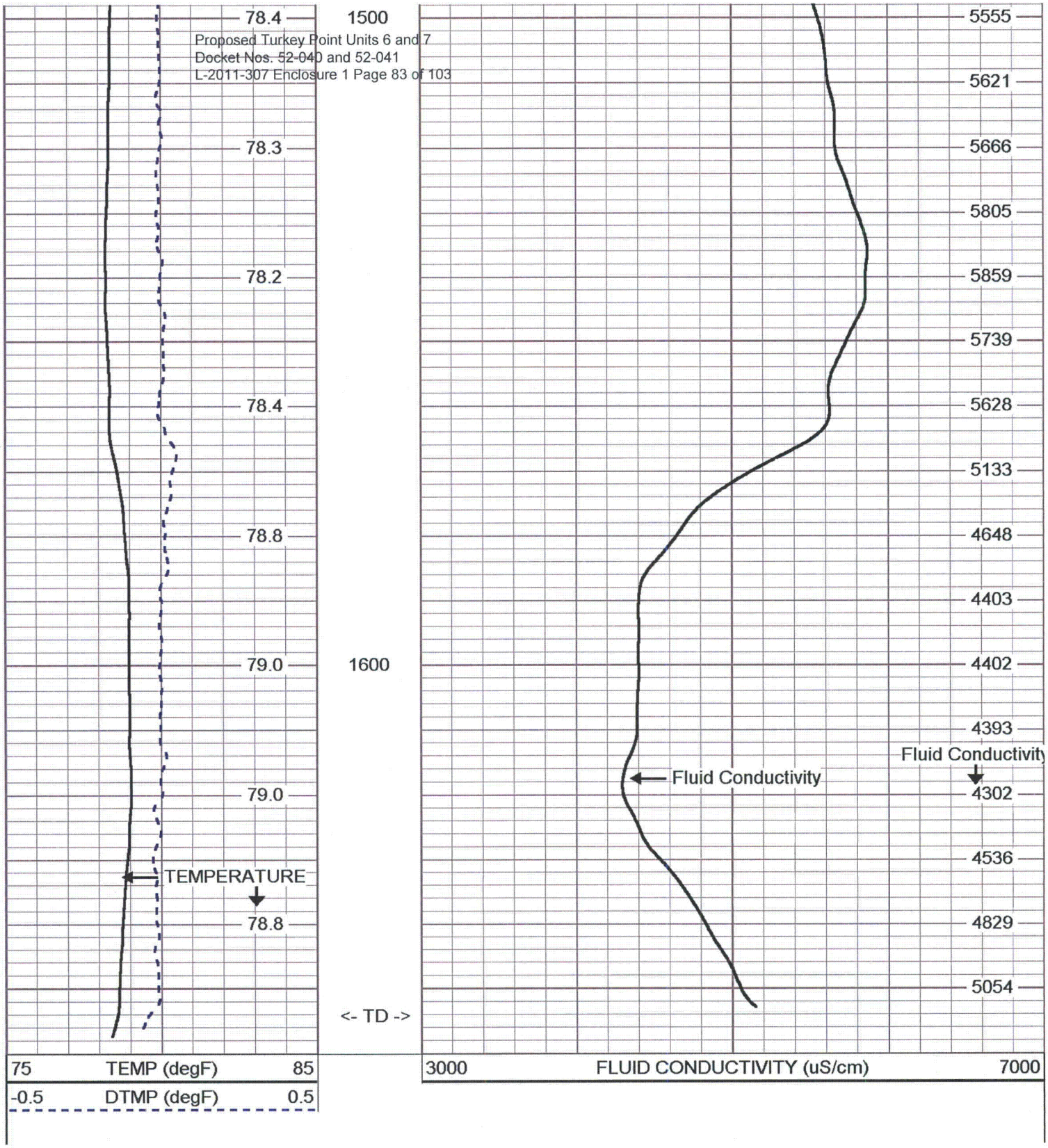
Dynamic FCT Down

Database File: ltp1.db
Dataset Pathname: run7/DFCT
Presentation Format: FCTTP1
Dataset Creation: Tue Jul 12 10:57:40 2011
Charted by: Depth in Feet scaled 1:240




79.0
1100
78.7
78.7
78.7
78.6
78.7
1200
78.7
78.7
78.7
78.7
78.7
78.8
1300
<- DP ->
Fluid Conductivity
4461
4808
4876
4929
4924
4966
4971
5038
5092
5032
5038
4962
4873
4846
4891
4893
4931
4912
4891
4807
4696

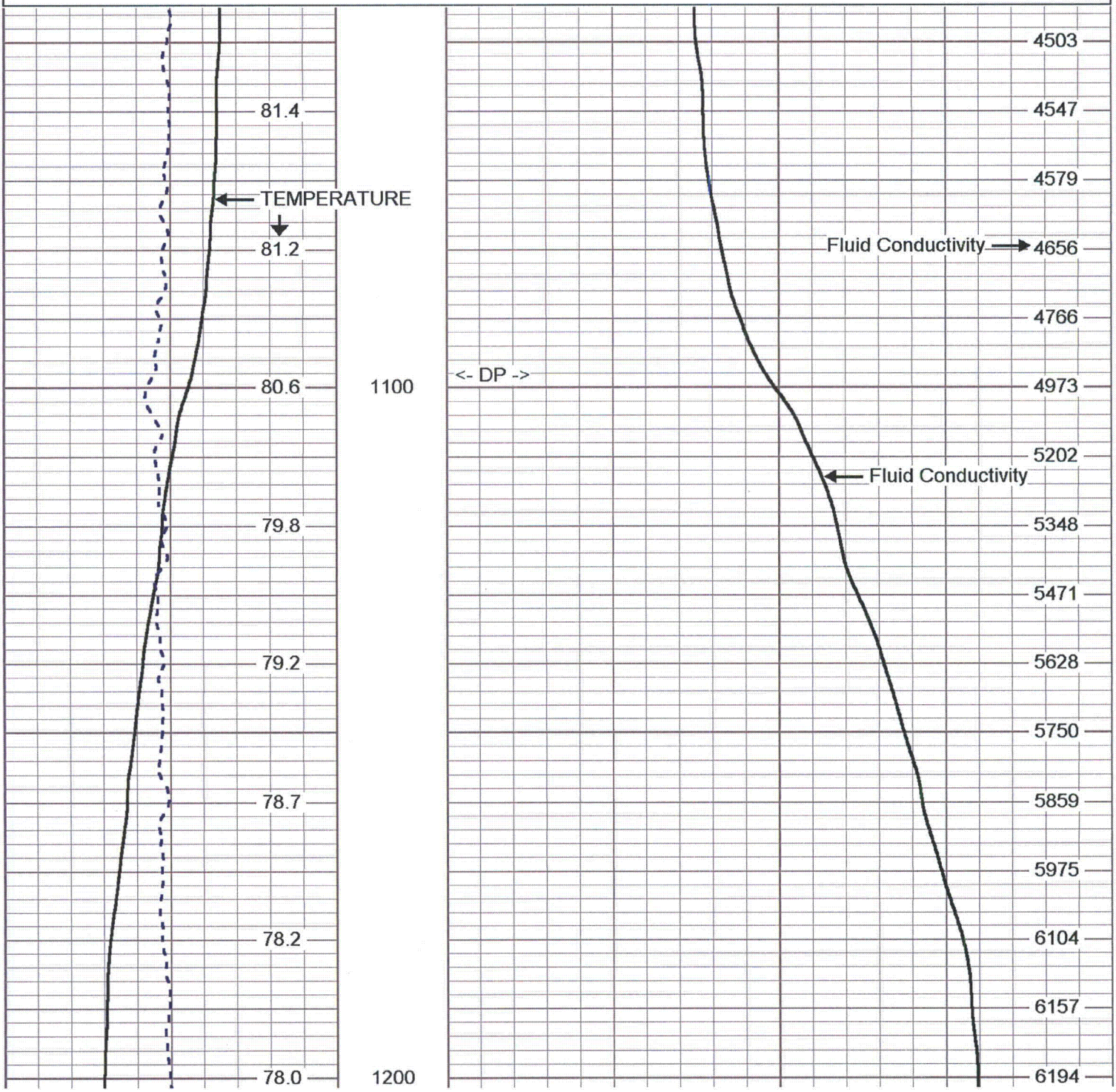

78.8
1300
78.8
78.9
78.8
78.7
78.7
1400
78.6
78.6
78.5
78.5
78.4
1500
4696
4767
4726
4679
4601
4633
4725
4823
4900
4891
4965
4987
5079
5133
5149
5287
5281
5303
5430
5504
5555

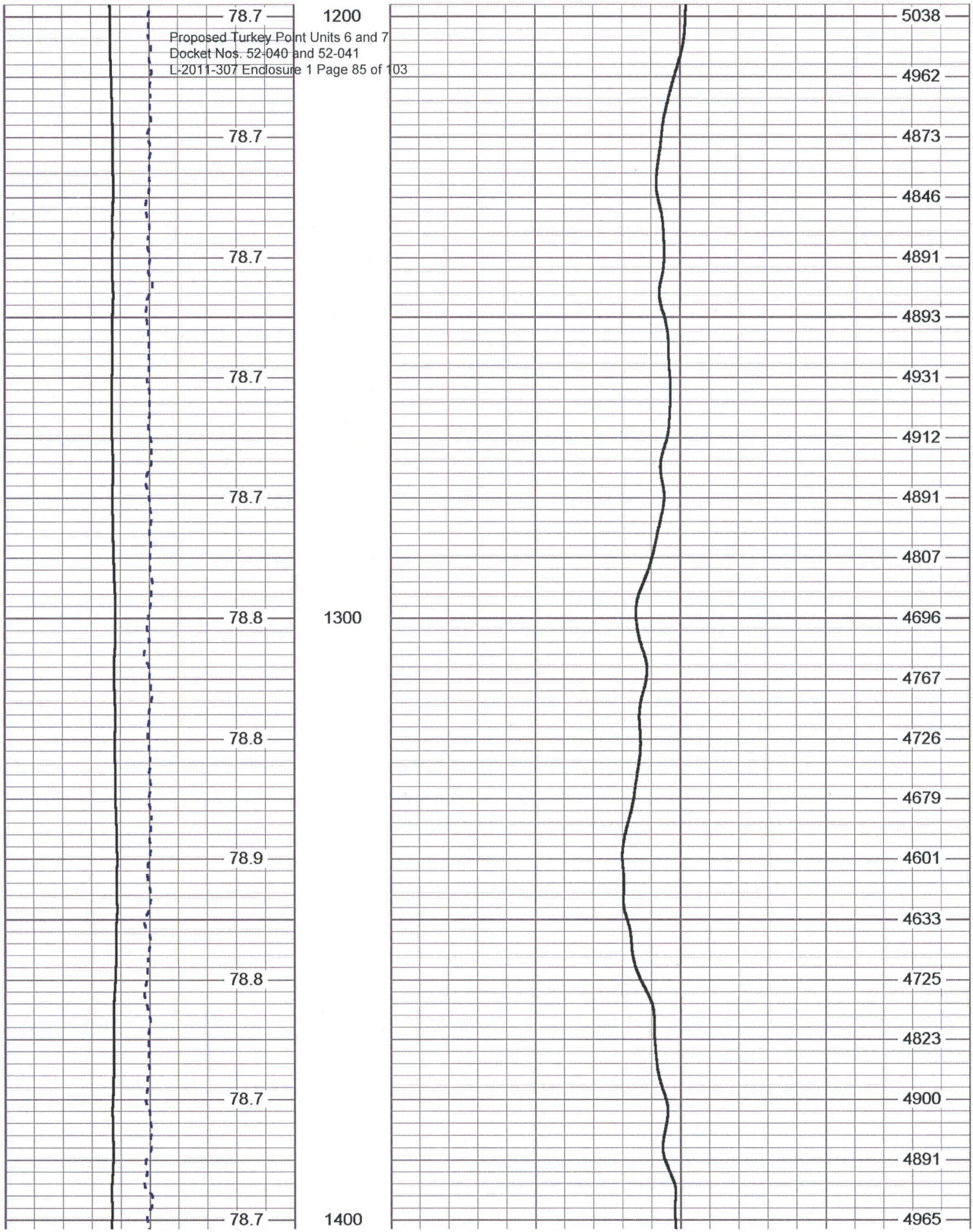

78.4
1500
78.3
78.2
78.4
78.8
79.0
1600
79.0
TEMPERATURE
78.8
<- TD ->
5555
5621
5666
5805
5859
5739
5628
5133
4648
4403
4402
4393
Fluid Conductivity
Fluid Conductivity
4302
4536
4829
5054
75
TEMP (degF)
85
-0.5
DTMP (degF)
0.5
3000
FLUID CONDUCTIVITY (uS/cm)
7000

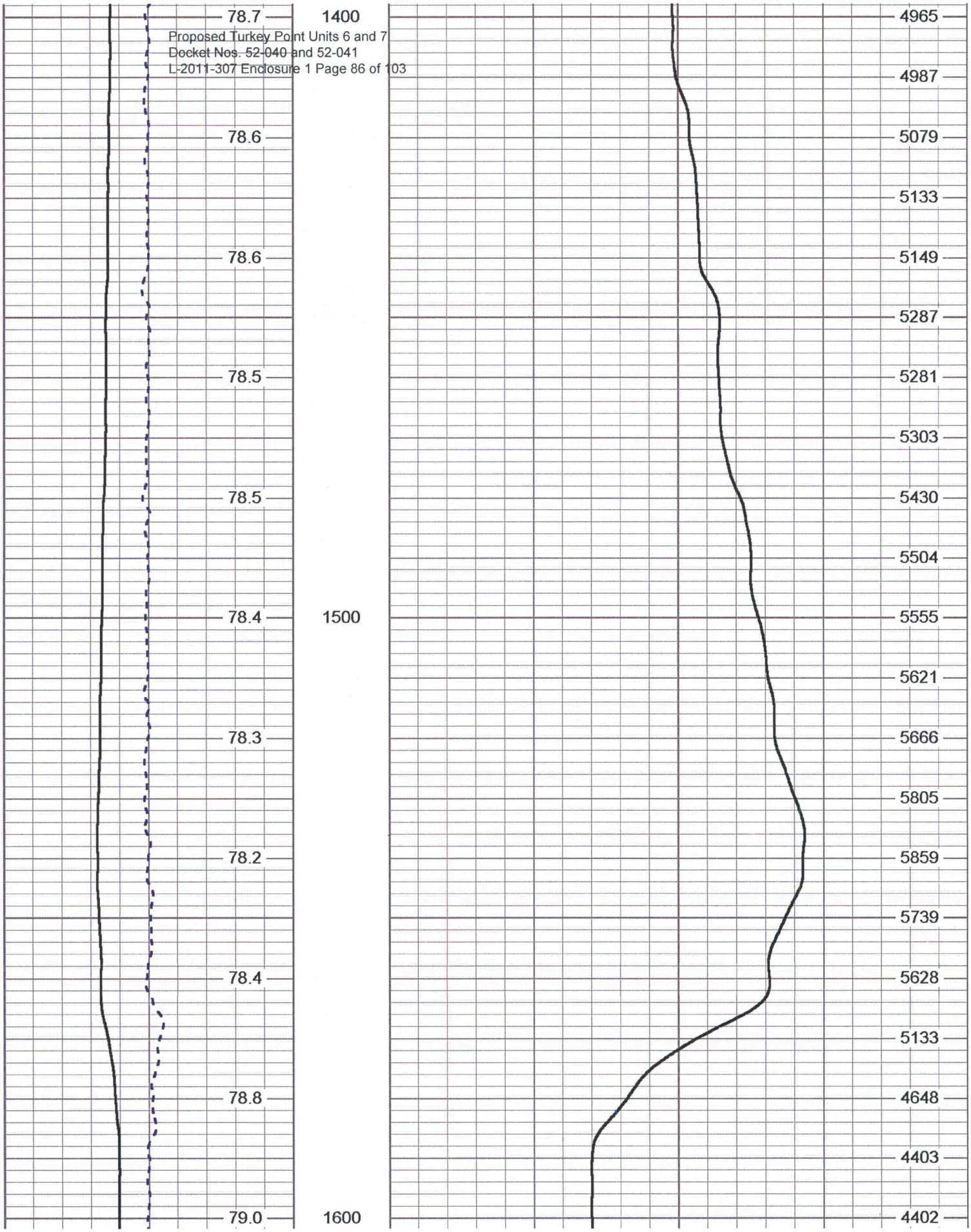
MV Geophysical

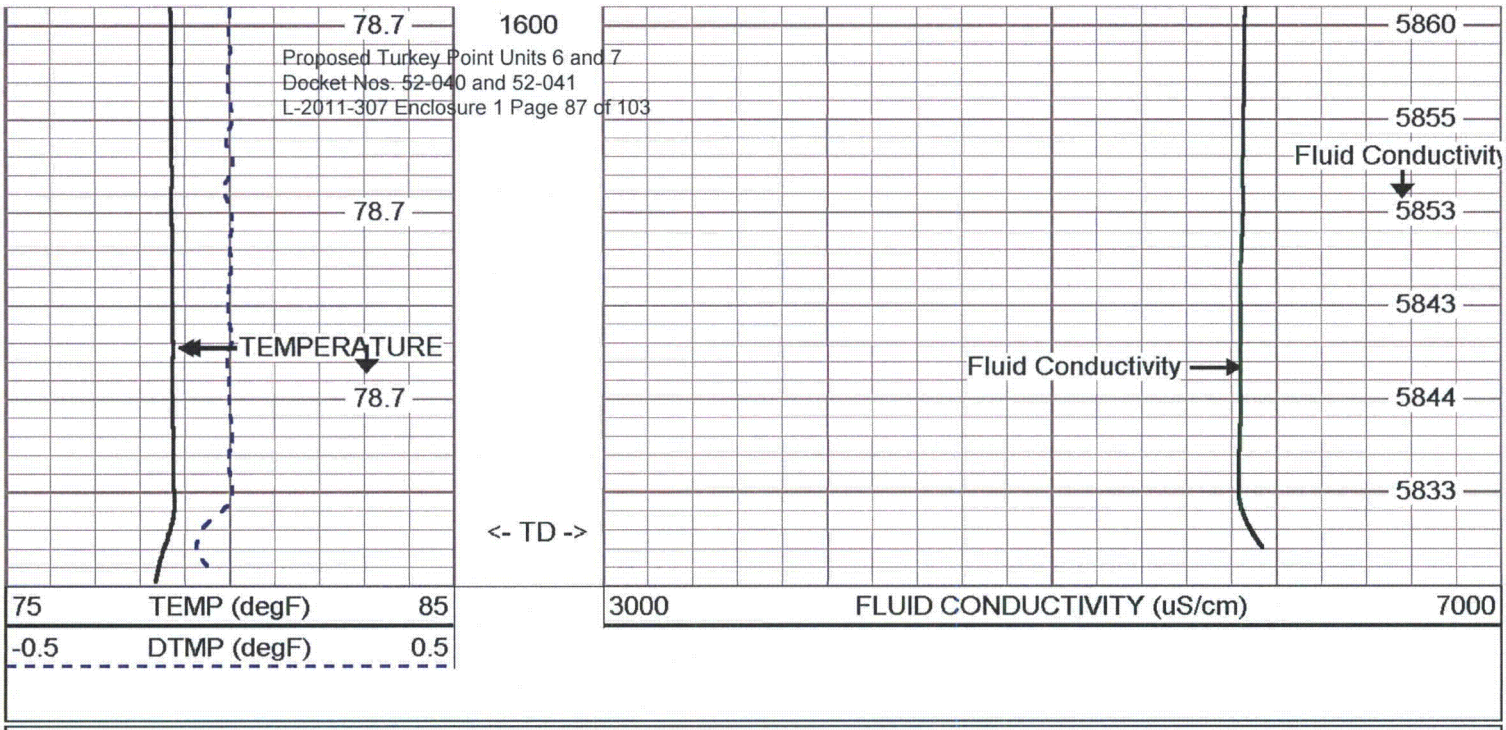
Static FCT Down

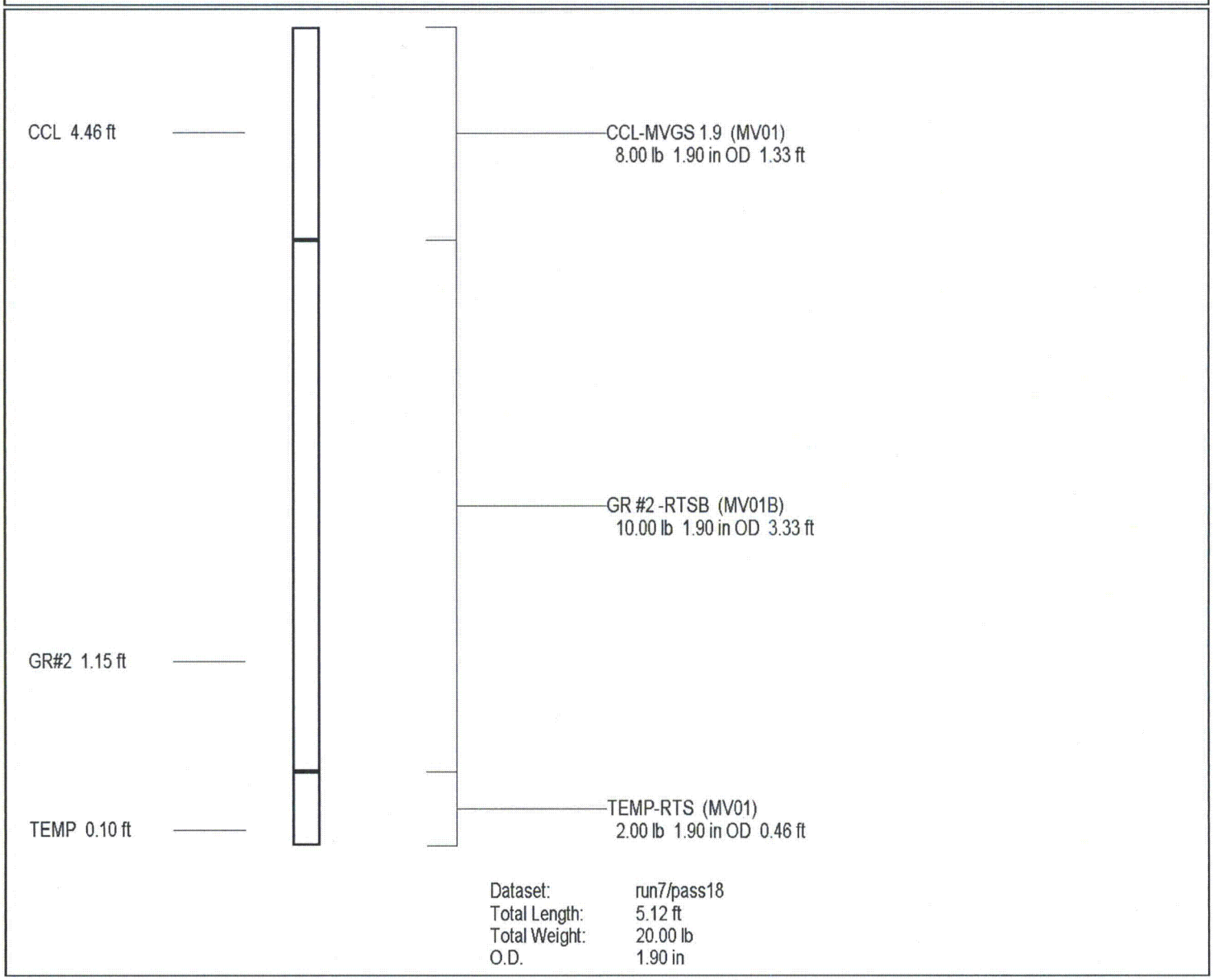
Database File:	ltp1.db
Dataset Pathname:	run7/SFCT
Presentation Format:	FCTTP1
Dataset Creation:	Tue Jul 12 10:43:55 2011
Charted by:	Depth in Feet scaled 1:240




78.7
1200
78.7
78.7
78.7
78.7
78.8
1300
78.8
78.9
78.8
78.7
78.7
1400
5038
4962
4873
4846
4891
4893
4931
4912
4891
4807
4696
4767
4726
4679
4601
4633
4725
4823
4900
4891
4965


78.7
1400
78.6
78.6
78.5
78.5
78.4
1500
78.3
78.2
78.4
78.8
79.0
1600
4965
4987
5079
5133
5149
5287
5281
5303
5430
5504
5555
5621
5666
5805
5859
5739
5628
5133
4648
4403
4402


78.7
1600
5860
5855
Fluid Conductivity
78.7
5853
5843
TEMPERATURE
Fluid Conductivity
78.7
5844
5833
<- TD ->
75
TEMP (degF)
85
3000
FLUID CONDUCTIVITY (uS/cm)
7000
-0.5
DTMP (degF)
0.5


CCL 4.46 ft
CCL-MVGS 1.9 (MV01)
8.00 lb 1.90 in OD 1.33 ft
GR #2 -RTSB (MV01B)
10.00 lb 1.90 in OD 3.33 ft
GR#2 1.15 ft
TEMP 0.10 ft
TEMP-RTS (MV01)
2.00 lb 1.90 in OD 0.46 ft
Dataset: run7/pass18
Total Length: 5.12 ft
Total Weight: 20.00 lb
O.D. 1.90 in