

**Enclosure 2**

Florida Power & Light Company Turkey Point Units 6 & 7  
Exploratory Well Project; Permit #0293962-001-UC  
Weekly Construction Summary #14 dated August 12, 2011

**Note**

Pages 36 through 49 were originally part  
of a single strip chart that has been  
segmented to 8.5 by 11 pages for  
processing

## WEEKLY CONSTRUCTION SUMMARY



**McNabb Hydrogeologic Consulting, Inc.**

601 Heritage Drive, Suite 110  
Jupiter, Florida 33458  
Phone: 561-891-0763  
Fax: 561-623-5469

August 12, 2011

MHCDEP-11-0345

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 #14**

Dear Mr. May:

This is the fourteenth weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, August 4, 2011 and ended at 7:00 AM, Thursday, August 11, 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 reamed the pilot hole from a depth of 1,394 feet below pad level (bpl) to a depth of 1,542 feet bpl, installed the 34-inch diameter intermediate casing to a depth of 1,535 feet bpl, performed caliper logging of the reamed hole and prepared to begin cementing the casing in place.

During this reporting period, the drilling contractor cemented the 34-inch diameter casing in place from the base of casing to land surface. The 34-inch diameter casing was cemented to land surface in seven stages using 661 barrels of neat cement, 228 barrels of four percent bentonite blend cement, and 669 barrels of twelve percent bentonite blend cement. Most of the cement stages yielded greater than 100% of the theoretical fillup, suggesting the reamed hole caliper log performed during the previous reporting period over-estimated borehole volume. This is not uncommon in quantifying the volume of a large diameter borehole based on a caliper log that shows variation in the X and Y dimension of the borehole. The second stage of cementing showed the greatest deviation from theoretical (169% fill) and the borehole caliper log similarly showed the greatest deviation in the X and Y hole diameters. Cement top temperature logs were performed after each cement stage that did not reach surface and temperature logs closely matched the physical top-of-cement tags as expected. A copy of the cement top temperature log print is attached. After completing cementing operations, a 32 ½-inch

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diameter reaming bit was used to drill out the cement plug at the base of the 34-inch diameter casing. The top of the cement plug inside the casing was encountered at a depth of 1,528 feet bpl. The cement plug was reamed to a depth of 1,543 feet bpl. A deviation survey was performed at a depth of 1,530 feet bpl after reaming to a depth of 1,542 feet bpl. A copy of the deviation survey summary sheet is attached. The drilling contractor was preparing to begin pilot hole drilling below a depth of 1,543 feet bpl at the end of the reporting period. The well was killed during the reporting period. A daily kill material log providing a summary of daily kill material and kill volume is attached.

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

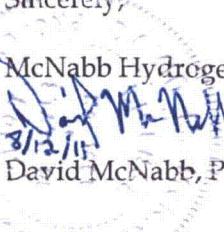
During the next reporting period, it is anticipated that the drilling contractor will begin drilling a pilot hole from the base of the 34-inch casing to a total depth of approximately 3,500 feet bpl.

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 August 11, 2011. The most recent set of pad monitoring well sample results available is for samples collected on August 4, 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.

  
David McNabb, P.G.

Attachments: Consultant Daily Construction Logs  
Drilling Contractor Daily Construction Logs  
Pad Monitor Well Summary Sheets  
Cementing Summary Sheet  
Deviation Survey Summary Sheet  
Daily Kill Material Log  
Geophysical Log

Cc: George Heuler/FDEP-Tallahassee  
Steve Anderson/SFWMD  
Matthew Raffenberg/FPL  
David Holtz/HCE

Joe Haberfeld/FDEP-Tallahassee  
Ron Reese/USGS  
David Paul/FGS



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## Daily Construction Log

**Date:** August 4, 2011

**Project:** FPL Turkey Point EW

**Contractor:** Layne Christensen Company

**Starting Depth:** Not Applicable

**Weather Day:** Partly Cloudy, Hot

**Weather Night:** Clear, Hot

**Activity:** Preparing for Cementing

**FDEP UIC Permit #:**0293962-001-UC

**Well No.:** EW-1

**Bit Diameter:** Not Applicable

**Ending Depth:** Not Applicable

**Recorded By:** Deborah Daigle/Sally Durall

### CONSTRUCTION ACTIVITIES

- 0700 The base of the cement tubing is at a depth of 1,532 feet bpl. The drilling contractor is waiting on the arrival of the cementer to begin cementing the 34-inch casing in place. The drilling contractor is performing miscellaneous rig maintenance activities while waiting for the cementer.
- 1000 The drilling contractor continues to perform miscellaneous rig maintenance and organizational activities.
- 1130 Florida Spectrum Environmental Laboratories, Inc. has arrived on site to sample the pad monitoring wells.
- 1300 The drilling contractor continues to perform miscellaneous rig maintenance and organizational activities.
- 1600 The drilling contractor continues to perform miscellaneous rig maintenance and organizational activities.
- 1800 The drilling contractor continues to perform miscellaneous rig maintenance and organizational activities.
- 0000 The drilling contractor continues to perform miscellaneous rig maintenance and organizational activities.
- 0600 The drilling contractor continues to perform miscellaneous rig maintenance and organizational activities.
- 0700 The drilling contractor continues to perform miscellaneous rig maintenance and organizational activities.



## Daily Construction Log

**Date:** August 5, 2011

**Project:** FPL Turkey Point EW

**Contractor:** Layne Christensen Company

**Starting Depth:** Not Applicable

**Weather Day:** Partly Cloudy, Hot

**Weather Night:** Party Cloudy, Warm

**Activity:** Cementing

**FDEP UIC Permit #:**0293962-001-UC

**Well No.:** EW-1

**Bit Diameter:** Not Applicable

**Ending Depth:** Not Applicable

**Recorded By:** Deborah Daigle/Sally Durall

### CONSTRUCTION ACTIVITIES

- 0700 The base of the cement tubing is at a depth of 1,532 feet below pad level (bpl). The drilling contractor is waiting on the arrival of the cementer to begin cementing the 34-inch casing in place. The drilling contractor is performing miscellaneous rig maintenance activities while waiting for the cementer.
- 0900 The cementer has arrived on site and the drilling contractor is connecting the hoses to the wellhead and preparing for cementing.
- 0952 The drilling contractor has begun cementing with a pre-flush of 22 barrels of water.
- 1003 The drilling contractor begins pumping neat cement for stage #1.
- 1108 The drilling contractor completes Stage #1 of the cementing. A total of 326 barrels of neat cement were pumped with a final wellhead pressure of 22 psi. The drilling contractor pulled 60 feet of tubing and re-sealed the well. The contractor will now wait a minimum of 8 hours for the cement to cure.
- 1330 Additional cement has been delivered to the site and the drilling contractor has unloaded the cement to the silo for the next neat cement stage.
- 1835 The drilling contractor tags the top of the cement plug inside the casing at a depth of 1,528 feet bpl, and begins to trip the cement tubing out of the casing.
- 2115 The drilling contractor begins to trip the cement tubing inside the annulus between the 34-inch diameter casing and the reamed hole to physically tag the top of cement and prepare for cement stage #2.
- 2250 The geophysical logging subcontractor (MV Geophysical Survey) is on site to perform temperature logging for cement stage #1.
- 2330 The geophysical logging subcontractor zeros the temperature logging tool to pad level and begins temperature logging down hole from pad level.
- 2355 Temperature logging has been completed.
- 0005 The temperature tool is on the rig floor.
- 0015 The drilling contractor resumes tripping in with the cement tubing to tag the top of cement stage #1.
- 0035 The top of cement is tagged with the cement tubing at a depth of 1,467 feet bpl. The base of the cement tubing is at a depth of 1,465 feet bpl.



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- 0250 Begin pumping cement stage #2 using neat cement.
- 0355 The drilling contractor completes cementing stage #2 using 335 barrels of neat cement.
- 0700 The drilling contractor is waiting to log and tag cement stage #2.



## Daily Construction Log

**Date:** August 6, 2011  
**Project:** FPL Turkey Point EW  
**Contractor:** Layne Christensen Company  
**Starting Depth:** Not Applicable  
**Weather Day:** Partly Cloudy, Hot  
**Weather Night:** Rain  
**Activity:** Cementing

**FDEP UIC Permit #:** 0293962-001-UC  
**Well No.:** EW-1  
**Bit Diameter:** Not Applicable  
**Ending Depth:** Not Applicable  
**Recorded By:** Deborah Daigle/Sally Durall

### CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is waiting to perform temperature log and tag cement stage #2 of the 34-inch diameter casing.
- 1150 The geophysical logging subcontractor (MV Geophysical Survey) is on site to perform temperature logging for cement stage #2.
- 1200 The geophysical logging subcontractor zeros the temperature logging tool to pad level and begins temperature logging down hole from pad level.
- 1230 Complete temperature logging.
- 1240 The drilling contractor will kill the well then perform a physical tag of Stage #2.
- 1315 The drilling contractor has killed the well and is ready to tag the top of Stage #2.
- 1325 The top of cement appears to be tagged with the cement tubing at a depth of 1,257 feet below pad level (bpl). The drilling contractor pulls the tubing up 75 feet and then back down to verify the depth of the tag. Tag is again at 1,257 feet bpl. The drilling contractor rotates the cement tubing to ensure that the cement tubing is not encountering a ledge in the hole that is preventing the cement tubing from being lowered further down the well. The drilling contractor pulls the tubing up 75 feet a second time and verifies the tag at 1,257 feet.
- 1340 The drilling contractor trips outs two tubing joints then trips back in to the hole to verify the tag. Tag is again at 1,257 feet bpl.
- 1350 The drilling contractor again pulls two tubing joints then trips back in to the hole to verify the tag. Tag is again at 1,257 feet bpl. The cement tag of 1,257 feet bpl is shallower than anticipated, however, the repeated cement tags at a depth of 1,257 feet bpl verify the top of cement is at a depth of 1,257 feet bpl. The temperature log supports the cement tag.
- 1549 Begin pumping cement stage #3.
- 1637 The drilling contractor completes cementing stage #3 using 228 barrels of 4% bentonite blend cement.
- 1640 The drilling contractor is pulling tubing and will wait a minimum of 8 hours to tag cement stage #3.
- 0030 The drilling contractor tags the top of stage #3 cement at 1,016 feet bpl. The drilling contractor pulls the tubing up 90 feet to verify the tag.



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- 0050 The geophysical logging subcontractor is on site to perform temperature logging for stage #3.
- 0105 The geophysical logging subcontractor zeros the temperature logging tool to pad level and begins temperature logging down hole from pad level.
- 0140 Complete temperature logging.
- 0305 Begin pumping cement stage #4. The base of the cement tubing is at a depth of 1.013 feet bpl.
- 0340 The drilling contractor completes cementing stage #4 using 174 barrels of 12% bentonite blend cement. The drilling contractor will now wait a minimum of 8 hours to perform a temperature log and physical tag of stage #4.
- 0700 The drilling contractor is waiting to perform a temperature log and physical tag of stage #4.



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## Daily Construction Log

**Date:** August 7, 2011

**Project:** FPL Turkey Point EW

**Contractor:** Layne Christensen Company

**Starting Depth:** Not Applicable

**Weather Day:** Cloudy, Rain

**Weather Night:** Cloudy, Warm

**Activity:** Cementing

**FDEP UIC Permit #:**0293962-001-UC

**Well No.:** EW-1

**Bit Diameter:** Not Applicable

**Ending Depth:** Not Applicable

**Recorded By:** Deborah Daigle/Sally Durall

### CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is waiting to perform a temperature log and tag cement stage #4 of the 34-inch diameter casing cementing.
- 1345 The geophysical logging subcontractor (MV Geophysical Survey) is on site to perform temperature logging for cement stage #4.
- 1400 The geophysical logging subcontractor zeros the temperature logging tool to pad level and begins temperature logging down hole from pad level.
- 1420 Complete temperature logging. The top of cement is estimated at a depth of 757 feet below pad level (bpl).
- 1700 The drilling contractor begins running tubing to tag the top of stage #4.
- 1730 The top of cement is tagged with the cement tubing at a depth of 761 feet bpl. The drilling contractor pulls the tubing up 75 feet and then back down to verify the tag. Tag is again at 761 feet bpl. The drilling contractor pulls the tubing up 75 feet a second time and verifies the tag at 761 feet. The drilling contractor pulls the tubing up 75 feet a third time and verifies the tag at 761 feet.
- 1740 Prepare to cement stage #5 with 12 percent bentonite blend cement.
- 1815 Begin pumping cement stage #5. The base of the cement tubing is at a depth of 756 feet bpl.
- 1910 The drilling contractor completes cementing stage #5 using 174 barrels of 12% bentonite blend cement. The drilling contractor will now wait a minimum of 8 hours to perform a temperature log and physical tag of stage #5.
- 0515 The drilling contractor tags the top of cement stage #5 at a depth of 489 feet bpl.
- 0530 The geophysical logging subcontractor is on site to perform temperature logging for cement stage #5.
- 0545 The geophysical logging subcontractor zeros the temperature logging tool to pad level and begins temperature logging down hole from pad level.
- 0600 Complete temperature logging. The drilling contractor prepares for cementing of stage #6.
- 0700 The drilling contractor prepares for cementing of stage 6.



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## Daily Construction Log

**Date:** August 8, 2011

**Project:** FPL Turkey Point EW

**Contractor:** Layne Christensen Company

**Starting Depth:** Not Applicable

**Weather Day:** Partly Cloudy, Hot, Storms

**Weather Night:** Partly Cloudy, Warm

**Activity:** Cementing

**FDEP UIC Permit #:**0293962-001-UC

**Well No.:** EW-1

**Bit Diameter:** Not Applicable

**Ending Depth:** Not Applicable

**Recorded By:** Deborah Daigle/Sally Durall

### CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor prepares for cementing of stage 6.
- 0738 Begin pumping cement stage #6. The base of the cement tubing is at a depth of 486 feet bpl.
- 0803 The pump that delivers the bentonite to the cement mix has malfunctioned, so cementing was discontinued after pumping a volume of 86 barrels.
- 0806 The drilling contractor completes cementing stage #6 using 86 barrels of 12% bentonite blend cement. The drilling contractor will now wait a minimum of 8 hours to perform a temperature log and physical tag of stage #6.
- 1645 The geophysical logging subcontractor (MV Geophysical Survey) is on site to perform temperature logging for cement stage #6.
- 1700 The geophysical logging subcontractor zeros the temperature logging tool to pad level and begins temperature logging down hole from pad level.
- 1715 Complete temperature logging. The drilling contractor prepares to perform a physical tag of cement stage #6.
- 1730 The drilling contractor begins running tubing to tag the top of stage #6.
- 1750 The top of cement for stage #6 is tagged at 352 feet bpl.
- 1915 Begin pumping cement stage #7. The base of the cement tubing is at a depth of 350 feet bpl.
- 2000 The drilling contractor completes cementing stage #7 using 235 barrels of 12% bentonite blend cement. Cement returns were observed at the surface.
- 2100 The drilling contractor performed miscellaneous rig maintenance and organizational activities throughout the night shift while waiting for the cement to cure.
- 0700 The drilling contractor is performing miscellaneous rig maintenance and organizational activities, and preparing the rig for drilling of the cement plug.



## Daily Construction Log

**Date:** August 9, 2011

**Project:** FPL Turkey Point EW

**Contractor:** Layne Christensen Company

**Starting Depth:** 1,528 feet bpl

**Weather Day:** Partly Cloudy, Hot, Storms

**Weather Night:** Partly Cloudy, Warm

**Activity:** Reaming the Cement Plug

**FDEP UIC Permit #:**0293962-001-UC

**Well No.:** EW-1

**Bit Diameter:** 32 ½-inch

**Ending Depth:** 1,543 feet bpl

**Recorded By:** Deborah Daigle/Sally Durall

### CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is performing miscellaneous rig maintenance and organizational activities, and preparing the rig for reaming out the cement plug at the base of the 34-inch diameter casing.
- 1300 The drilling contractor continues to perform miscellaneous rig maintenance and organizational activities, and preparing the rig for drilling of the cement plug.
- 1345 The drilling contractor begins tripping the 32 ½ inch bit inside the 34-inch diameter casing in preparation for reaming out the cement plug.
- 1730 The drilling contractor has tripped into the hole to a depth of 1,350 feet with the 32 ½ inch bit.
- 1830 The drilling contractor has tripped into the hole to a depth of 1,440 feet with the 32 ½ inch bit and currently performing maintenance on the tophead unit.
- 2030 The drilling contractor is circulating the fluids inside the 34-inch diameter casing.
- 2135 The drilling contractor is circulating the fluids inside the 34-inch diameter casing at a depth of 1,518 feet bpl.
- 2300 Circulating heavy fluids from the 34-inch diameter casing at a depth of 1,525 feet bpl.
- 0030 The kelly is down at a depth of 1,529 feet bpl and the drilling contractor encountered the top of the cement plug inside the base of the 34-inch diameter casing at a depth of 1,528 feet bpl.
- 0120 The drilling contractor has made a drill pipe connection and resumes reaming out the cement plug.
- 0310 Reaming the cement plug at a depth of 1,533 feet bpl.
- 0425 Reaming the cement plug at a depth of 1,536 feet bpl.
- 0540 Reaming the cement plug at a depth of 1,538 feet bpl.
- 0600 Reaming the cement plug at a depth of 1,542 feet bpl.
- 0630 Reaming the pilot hole at a depth of 1,543 feet bpl.
- 0700 The drilling contractor is circulating the hole clean at total depth of 1,543 feet bpl.



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## Daily Construction Log

**Date:** August 10, 2011

**Project:** FPL Turkey Point EW

**Contractor:** Layne Christensen Company

**Starting Depth:** 1,543 feet bpl

**Weather Day:** Partly Cloudy, Hot, Storms

**Weather Night:** Clear, Warm

**Activity:** Preparing for Pilot Hole Drilling

**FDEP UIC Permit #:** 0293962-001-

**Well No.:** EW-1

**Bit Diameter:** 12 1/4-inch

**Ending Depth:** 1,543 feet bpl

**Recorded By:** Deborah Daigle/Sally Durall

### CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is circulating the hole clean at total depth of 1,543 feet below pad level (bpl).
- 1012 The drilling contractor begins killing the well and will then remove the air line from the drill pipe.
- 1130 The air line has been removed and the drilling contractor will kill the well in preparation for tripping out the drill pipe.
- 1500 The drilling contractor resumes killing the well.
- 1630 The drilling contractor continues to pump kill into the well in preparation for tripping the drill pipe out of the hole.
- 1720 Begin tripping in the hole with the deviation survey tool to a depth of 1,530 feet bpl.
- 1740 Complete the deviation survey. The survey result is 0.5 degree. The drilling contractor continues to kill the backside of the well.
- 1830 The drilling contractor begins to trip the 32 1/2-inch diameter bit out of the borehole.
- 0020 The 32 1/2-inch diameter drill bit is on the rig floor.
- 0225 The drilling contractor begins to trip the 12 1/4-inch diameter drill bit in the borehole.
- 0700 The drilling contractor completes tripping the 12 1/4 -inch diameter drill bit into the borehole. The contractor will begin drilling the pilot hole.



## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT **FPC**  
JOBSITE NAME **EWL**Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
L-2011-353 Enclosure 2 Page 13 of 49DATE **8/4/2011**  
THURSDAY SHIFTJOB # **11771**  
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		3		3
AP	Andrey Popov	X	12		12
MP	Marko Perez Cesar	X	12		12

## MATERIALS USED TODAY

Quantity	Description
	1st Safety Meeting: Hazard Communication
	2nd Safety Meeting: HIKIT & the pre-work of Safe Work Practice.
	Welder Ellis Combs
EL.	0700 - 1700

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Service rig and equipment. Assist welder in modification to Rotating Head and Header plates. Re-did hazardous waste aerosol drum. Environmental walk through inspection. Assisted Inspectors correct minor discrepancies on the spot. Scrubbed draw works and car rig. Re-organized parts house and labeled bleach containers. Unloaded truck w/ 17 bags of solar salt & truck w/ 4 bags of boronite

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

## TIME OF ACTIVITY BY ITEM #

FROM	TO	CIRCLE ONE	ITEM #
	AM	PM	

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	Underreaming	
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	



# LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL  
JOBSITE NAME BWZ

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
L-2011-353 Enclosure 2 Page 14 of 49

DATE 8-4-11  
THURS NIGHT

JOB # 11771

TP

JOBSITE LOCATION

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRIVERS	Danny Keeley	X	12		12
JR	Jones Payne	X	12		12
RKF	Bob Footham	X	12		12

### MATERIALS USED TODAY

Quantity	Description
	SAFETY MEETING
#1	HIR. USING THE CHART
	PPE

EQUIPMENT DEPLOYED TODAY		
Description	Unit #	Status

### TIME OF ACTIVITY BY ITEM #

From	To	Circle One	Item #
		AM PM	

### COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Go thru MSDS SHEETS REMOVE ANYTHING THAT WE DO NOT HAVE SHEET FOR, FINISH THE FABRICATOR PAD TO SET COLLARS ON, OR LOAD TRUCKS. BAR, 44 PANTS, PAINT TOOLS, CONCRETE OVER WHEELS
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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	

*XJ 92*



FPC

CLIENT

EWI

JOBSITE NAME

## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
L-2011-353 Enclosure 2 Page 15 of 49

DATE

8/5/11  
Friday day

JOB #

11271

Turkey P.W.F.

JOBSITE LOCATION

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Sellier	George Hage	X	8		8
MR	Mike Ramirez	X	12		12
AP	Andrey Popov	X	12		12
MP	Marko Perez Cesar	X	12		12
Driller	Bogis & Guevara	X	10		10
JB	Josh Brown	X	12		12

## MATERIALS USED TODAY

Quantity	Description
	1 <sup>st</sup> Safety Meeting: HIRA chart.
	2 <sup>nd</sup> Safety Meeting: PINCH POINT
(1)	Welder
	Time In
	Time Out
	Ellis Combs

## EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
Working	WK	Mobilization
Standby	SB	Demobilization
Down in Shop	DS	Available in Yard
Down on Site	DN	Available on Job

## TIME OF ACTIVITY BY ITEM #

From	To	Circle One	Item #
		AM	PM

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

RIG UP CEMENT TRUCK, PUMPED CEMENT 326 BBL  
MIX KILL 1 BAG OF GEL & 7 BAGS OF BAR → KILL PIT IS FULL  
UNLOAD 3 CEMENT TRUCKS → Silo IS FULL.  
HELPING ELLIS, KILL THE BACKSIDE → PUMPED 2 FT. KILL  
TAGED INSIDE THE CASING 1528' BPL ✓

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	



## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT EPLASSET NUMBER EPL

Proposed Turkey Point Units 6 and 7  
 Docket Nos. 52-040 and 52-041  
 L-2011-353 Enclosure 2 Page 16 of 49

DATE 8-5-11JOB # 11771FPE Assistant

JOBSITE LOCATION

T-R

## PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem # (X)	Onsite Hours	Offsite Hours	Total Hours
D	Danny Keeler	X	12		12
NP	James Payne	X	12		12
R&P	Bob Petrom	X	12		12

## MATERIALS USED TODAY

Quantity	Description
#2	SAFETY MEETING
#2	TRIPPING TURBINE
#2	HIRE
	ELLIS WELDING

## EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
Working	WK	Mobilization
Standby	SB	Demobilization
Down in Shop	DS	Available on Yard
Down on Site	DN	Available on Job

## TIME OF ACTIVITY BY ITEM #

From	To	Grid & On	Item #
		AM PM	

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

LOAD TRUCK WITH STABALIZERS  
 TOOK WITH 2 3/8" TUBING, WELD BUMPER  
 TO AN ANGULAR PLATES, KILLED WELL, THE  
 BACK SIDE WITH 2 3/8" TUBING, NO  
 @ 1467 RIG UP TO PUMP CEMENT  
 REED CEMENT 33 BBL new

Kirk



# LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT F.P.C

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
L-2011-353 Enclosure 2 Page 17 of 49

JOBSITE NAME EW-1

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DJ/ER	Boris Gulomov	X	12		12
VI	Vlad Ishimov	X	12		12
JL	JOAN LOPEZ	X	12		12
IP	IGOR POPOV	X	12		12
AP	ANDREY POPOV	-	4		4
db	Josh Brown	X	12		12

MATERIALS USED TODAY

Quantity	Description
	SAFETY MTG!
①	HIRA.
②	P.R.E

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

MIX KILL ½ BAG OF GEL 5 BAGS OF BAR. UNLOAD 3 CEMENT TRUCKS - SILO IS FULL; KILL BACKSIDE. PUMPED 2' KILL.  
TEMP LOG: TAG 1257' pumped CEMENT. 228 BBL 4 1/2'  
UNLOAD CEMENT TRUCKS.

DATE 8-06-2011  
SAT DAYS.

JOB # 11771

JOBSITE LOCATION T.P.

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Description		Unit #	Status

TIME OF ACTIVITY BY ITEM #

From	To	Circle One	Item #
		AM	PM

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	

8-6-11

Installer's Signature  
ICC DSR1 082209

Date

Client's Signature

PAYROLL

Date

Supervisor's Signature

Date



## LAYNE CHRISTENSEN COMPANY DRILLING SHIFT REPORT

CLIENT FPL

JOBSITE NAME EWZ

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
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DATE 8-16-07  
SAT

JOB # 11771

JOBSITE LOCATION FPL

## PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem # (X)	Onsite Hours	Offsite Hours	Total Hours
PFCUR	Danny Keeley	X	12		12
JR	James PAYNE	X	12		12
RKF	BOB Fectham	X	12		12
MR	MIKE RAMIREZ	X	12		12
MP	MARKO Perez Cesar	X	12		12

## MATERIALS USED TODAY

Quantity	Description
A1	Safety Meeting
A1	HIRE / CHARGE CRA
A2	

## EQUIPMENT USED TODAY

Description	Unit	Status

## TIME OF ACTIVITY BY ITEM #

From	To	Grid Enc	Item #
		AM PM	

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

LOAD CYLO w/ cement,  
LIGHT night Break RIG UP CONCRETE TO  
Cement, PREADR FLOOR TO LOG TAG CEMENT 1016  
LOG temp, RIG UP TO Cement, PUMP CEMENT 174 BAR  
1770

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 Changeover	
9	11300	Get 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	Acoustic Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Introduction Wall Installation	
19	13100	Install Conduits & Pipe	
20	13150	Install Pile Hold	
21	13200	Geophysical Logging & Other Testing	
22	13250	Acoustic Zone Testing	
23	13300	Borehole Abandonment/Comer Blugs	
24	13350	Cleaning	
25	13400	Underreaming	
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	Hydrate Development/Drill and Swab	
32	14100	Hydrotest of Buds & Curing	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Hydrate and Circulation	
37	14950	Job Activities Mob/Demob	
38	19100	Shop	
39	19150	Administraton	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	19800	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	



## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT F.P.L

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
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JOBSITE NAME EW-1

DATE 8-7-2011

SUN DAYS.

JOB# 11771

JOBSITE LOCATION T.P.

## DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Omsite Hours	Offsite Hours	Total Hours
DRILLER	Boris Gulyamov	X	12		12
VI LEAD	Ishimov	X	12		12
JL	JOAN LOPEZ	X	12		12
IP	IGOR POPOV	X	12		12
JD	Josh Brown	X	12		12

## MATERIALS USED TODAY

Quantity	Description
	SAFETY MTG;
①	H.I.R.A.
②	HAND SAFETY.
	Haul 5 Dump Truck, and 4 Tankers.

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Clean up the cementer, pick up trash around working pit.  
 Unload 1 cement truck, Maintain casing pressure 75-85 psi. Do monthly safety inspections, slings, cables, safety harness. Temp Log. Lightning shutdown 3 hours. Tag at 760' BPL. Get ready to pump cement. 6:30 began

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 - Overall	
6	0006	Shop - Overhead	
7	11007	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	Front Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Water Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Rotatable	
21	13200	Geophysical Logging & Other Testing	
22	13250	Water Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Roaming	
25	13400	Under Roaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Grav/ Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watchdog	
31	14050	Install Development Air Lift and Swab	
32	14100	Dispose of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Hydrostatic Pumping	
35	14250	Test Pumping	
36	14300	Hydrostatic and Circulation	
37	19050	Install Actuators Mob/Demob	
38	19100	Shop	
39	19150	Administrstration	
40	19550	Other Activities Standby	
41	19600	Waiting for Load/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90120	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

Pumping Cement.

KLR



## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL  
JOBSITE NAME EWI

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
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DATE 8-7-11  
SUN NIGHTS

JOB # 11721  
JOBSITE LOCATION T.P.

## PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DKS	Danny Keeley	X	12		12
JP	Jonas Payne	X	12		12
RKF	Bob Fetham	X	12		12

## MATERIALS USED TODAY

Quantity	Description
#2	SAFETY MEETING
#2	HIRZ
#2	DRIVERS SAFELY

## 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

## TIME OF ACTIVITY BY ITEM #

From	To	Circle One	Item #
		AM	PM

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

PUMP CEMENT 174 BBL 12%
HELP Cementer Re PACK TRIPLEX PLUG
CLEAN UP AROUND CEMENT AREA
TAG Cement @ 489
TEMP LOW REPOD UP TO PUMP CEMENT

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	Underreaming	
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	



## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT F.P.C.

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
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JOB SITE NAME EW-1

DATE 8-8-2011  
MAN. DATES.

JOB # 11771

JOB SITE LOCATION T.P.

## DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	BOSIT GULOMOV	X	12		12
WT	VLAD ISHIMOV	X	12		12
JL	JOAN LOPER	X	12		12
TP	IGOR POPOV	X	12		12
JB	TAGT Brown	X	12		12

## EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
Working	WK	Mobilization
Standby	SB	Demobilization
Down In Shop	DS	Available In Yard
Down On Site	DN	Available On Job

## MATERIALS USED TODAY

Quantity	Description
	SAFETY MTG,
①	H.T.R.A.
②	SAFE WORK PRACTICES.

## TIME OF ACTIVITY BY ITEM #

From	To	Circle One	# cm ft
		AM PM	

## COMMENTS- EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

PUMP CEMENT BG BBL 12/.; MAINTAIN CASING PRESSURE  
75-85 psi. SITE CLEAN UP. SLURRY PIT PAD CLEAN UP  
LIGHTNING SHUT DOWN, 2 HOURS. UNLOAD CEMENT TRUCKS.  
TEMP LOGGING; TAG 351 BPL.

10

Item #	Cost Code	Labor Activity	Hours
1	10200	Short Duration Job	
2	11100	Mobile/Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overview	
6	0006	Hop - Overhead	
7	0007	Maintenance - Overlay	
8	11250	Training - Job Changeover	
9	11300	Site Clean up	
10	11350	Install Sound Wall	
11	11400	Install Decon Pad	
12	11450	Install Surface Chaining	
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 Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Underreaming	
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 & Fill Land Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Flush & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Directional and CH Orientation	
37	19050	Offshore Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Les/Broken Tools	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	



## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPCProposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
L-2011-353 Enclosure 2 Page 22 of 49JOB SITE NAME EWI

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Overtime Hours	Overtime Hours	Total Hours
Driller	George Haga	X	12		12
NR	Mike Ramirez	X	12		12
MP	Mario Perez Cesar	X	12		12
AP	Andrey Popov	X	12		12

MATERIALS USED TODAY

Quantity	Description
	1st Safety meeting: Hira Thinking process
	2nd Safety Meeting: Slips, Trips, & falls

DATE 8/8/11  
Monday Night ShiftJOB # 11771  
JOB SITE LOCATION Turkey Point

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

From	To	Grace One	Item #
		AM PM	

DAILY ACTIVITIES OF ACTIVITY ITEM #

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Heavy Meeling	
5	00005	Training - Overhead	
6	00006	Shop - Overhead	
7	00007	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	Aquit for Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Install Pile Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquit for zone Testing	
23	13300	Borehole Abandonment / Cement Plugs	
24	13350	Reaming	
25	13400	Underreaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watchdog	
31	14050	Well Development Arms and Swabs	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Flow Pumping	
36	14300	Direction and Calibration	
37	14950	Install Actuators Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Waiting for Lost/Broken Tooling	
42	19650	Hang Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		<b>TOTAL HOURS</b>	

Pumped 235 barrels of 12% cement to surface pull (5) stands, 1 single, 5 foot pup, clear out cement tubing rig down cement equipment. Flush 10" back to annulus clear cement out of 10" and back flush several times sack water down. Clear pad, check 32 1/2" bit all rollers are toward ~~the~~ to break down core barrel but torque up. Keep pressure up b/w 110PSI and 120PSI all shift.

Installer's Signature  
2011-08-08-18:36:58

Date:

Client's Signature

Date:

PAYROLL

Supervisor's Signature

Date:



## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT F. P. L  
 Proposed Turkey Point Units 6 and 7  
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 JOBSITE NAME EW-1  
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DATE 8-9-2011  
TUE DAYS.

JOB # 11771

JOBSITE LOCATION T.P.

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	BOSIT GUENOMOV	X	12		12
VI	VLAD ISHIMOV	X	12		12
ESL	JOAN LOPEZ	X	12		12
IP	IGOR POPOV	X	12		12

## PERSONNEL EMPLOYED TODAY

## EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
Working	WK	Mobilization
Standby	SB	Demobilization
Down in Shop	DS	Available in Yard
Down on Site	DN	Available on Job

## TIME OF ACTIVITY BY ITEM #

From	To	Circle One	Item #
		AM	PM

Quantity	Description
	<u>SAFETY MTG.</u>
①	<u>H.I.R.A.</u>
②	<u>P.D.E.</u>
	<u>Tow the dump truck</u>

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

BLEE CASING; ELLIS CUT OFF 34" CASING: CLEAN UP - CEMENT  
EQ/CLEAN PAD. Haul 2 tankers 3 dump trucks.  
T.I.H to the bottom of the casting. Help Ellis build  
containment pad for hydroloc unit.



## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL  
JOBSITE NAME EWI

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
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DATE

8/9/11  
TUES Night

JOB #

11771

TP

JOBSITE LOCATION

## 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
MP	Marko Perez Cesar	X	12		12
AP	Audrey Popov	X	12		12

## MATERIALS USED TODAY

Quantity	Description
	1st Safety Meeting: Hira Safety thinking
	2nd Safety Meeting: Hand Safety

## EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
Working	WK	Mobilization
Standby	SB	Demobilization
Down in Shop	DS	Available in Yard
Down on Site	DN	Available on Job
		AV

## TIME OF ACTIVITY BY ITEM #

From	To	Circle One	Item #
		AM PM	

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Line out pit, Grease and tighten wash pipe and packing (KRS)  
 2000 Start to circulate to bottom tag <sup>HEAVIES</sup> UP @ 1518 bpi  
 Drill cement to 1520 bpi make connection Resume drilling  
 Cement out of casing to 1540 bpi. pressure wash & scrub rig  
 Sweep out MCC's, Empty trash, Sweep & mop EWR trailer, Clean  
 Change house. Put together cement tubing, walk yard & P/u trash.



## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT F.P.L

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
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JOBSITE NAME E.W.-1

DATE 8-10-2011  
WED DAYS.

JOB # H771

JOBSITE LOCATION T.P

## DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Oncsite Hours	Offsite Hours	Total Hours
DELLER	BOST GULOMOV	X	12		12
VI	VLAD ISHIMOV	X	12		12
JR	JOAN LOPEZ	X	12		12
IP	IGOR POPOV	X	12		12

## PERSONNEL EMPLOYED TODAY

## EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status

## TIME OF ACTIVITY BY ITEM #

From	To	Circle One	Item #
		AM PM	

Quantity	Description
	SAFETY MTG;
①	WIRE ROPE AND SLING SAFET'
②	TRAVEL,LOADING AND UNLOADING!

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

DRILL 32 1/2 BIT FROM - / 1538' TO 1542' B.P.C
KILL D.P. 8" KILL + BACK SIDE 5' KILL. RUN SURVEY. 5'
T.O.H 32 1/2 BIT: MIX KILL

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	Rreaming	
25	13400	Under Rreaming	
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	



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

FPC

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
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DATE

8/10/11

JOB #

11771

JOBSITE NAME

EW 1

JOBSITE LOCATION

TP

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem?	Onsite Hours	Offsite Hours	Total Hours
(X)					
Diller	George Haga	X	12		12
MR	Mike Ramirez	X	12		12
MP	Marko Perez Cesak	X	12		12
AP	Audrey Popou	X	12		12

MATERIALS USED TODAY

Quantity	Description
	1st Safety meeting : Safe work practice
	2nd Safety meeting : HIK n process

CONTINUED EMPLOYED TODAY

Description	URL#	Status

TIME OF ACTIVITY BY ITEM #

From	To	Crdr On	Item #
		AM - PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

TIPPED OUT 8 STANDS, PUMPED 2 FEET KILL, ADDED 1 bag of SALT, CATT 6X5x11's OF 32 1/2 BIT. CHANGED OUT ROLLING HEAD RUBBER, TIPPED IN HOLE (4 STANDS), ran one line. MIXED KILL, 41 SHP f, WT 10.3 mixed 6 bags of DCR

Item #	Crdr On	Activity	Hours
1	100001	Shift Change in Job	
2	111001	Driver Main Operator	
3	111001	Driver Operator	
4	111001	Driver Operator	
5	000001	Driving - Operator	
6	000001	Weld - Operator	
7	000001	Welding - Operator	
8	000001	Welding - Operator	
9	111001	Driving - Operator	
10	111001	Driving Main Man	
11	114301	Shift Change Out	
12	114301	Shift Change Out	
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## LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT PPC

Proposed Turkey Point Units 6 and 7  
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JOBSITE NAME E-1

## PERSONNEL DEPLOYED TODAY

Crew Assignment	Employee Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DISCOV	Danny Keeley	X	12		12
J	Jones Payne	X	12		12
R&P	Bob Fetherman	X	12		12
LW	BILL CRAWFORD	X	12		12

## MATERIALS USED TODAY

Quantity	Description
	SAFETY MEETING
#2	HITS PPE
#	SIGN-IN BOOKS
	ELLIS HEP 7 AM - 5 PM

## COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

CIRCULATE HELP, SLOW DOWN TO REASSIST  
SULTRON AIR COMPRESSOR, RIFKEL, HELP  
ELLIS WITH SWINGING MAST, UNLOAD  
STABALIZERS OF TRUCK, ENVIRONMENTAL  
WALK TOUR, ORGANIZE OFFICE

DATE 8-11-01  
THUAS DAYJOB # 11771  
JOBSITE LOCATION IR

## EQUIPMENT DEPLOYED TODAY

Desc & Pilot	Unit #	9:30 AM

## DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

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



**LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT**

FPL

Proposed Turkey Point Units 6 and 7  
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JOBSITE NAME

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Item? (X)	Onsite Hours	Offsite Hours	Total Hours
PRO	George Haga	X	12		12
MR	Mike Ramirez	X	12		12
MP	Marko Perez Cesar	X	12		12
AP	Andrey Polov	X	12		12

MATERIALS USED TODAY

Quantity	Description
	1st Safety Meeting: Good House Keeping
	2nd Safety Meeting: Lockout Tag out
	Lightning Break: 0600 - 0630

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Made 8 core boxes for casing. Moved  
10 joints of 24" casing back off of water.  
Welded on and organized parts house, cleaned  
Changehouse. Scrubbed floor and all hand rails.  
Painted clear man, and kick plate and pad.  
Completed in contained pad.

DATE 8/14/11  
Thur Night

JOB # 11771  
JOBSITE LOCATION TP

DAILY ACCOUNTING OF ACTIVITIES SYSTEM #

Item #	Cost Code	Labor Activity	Hours
1	10000	Initial Duration Job	
2	11100	Demolite/Mob/Demob	
3	11150	Job Preparation	
4	12200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Drilling - Job Charged	
9	11300	Take Down Up	
10	11350	Install Sound Walls	
11	11600	Install Deck Pad	
12	11450	Install Surface Casting	
13	11500	Install Roadway & Deck Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Hydro Zone Testing	
17	12200	Prepared Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Install Riser Pipe	
21	13200	Geophysical Logging & Other Testing	
22	13250	Hydro Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Teaching	
25	13400	Underreaming	
26	13450	Install Casting	
27	13500	Ring of Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annulus Seal	
30	13650	Water Witching	
31	14050	Well Development Air Lift and Swab	
32	14100	Transposition of Fluids & Casing	
33	14150	Hydraulic Test Pump and Discharge	
34	14200	Well Development Pumping	
35	14250	Well Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Mobile Activities Mob/Demob	
38	19100	Drop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Waiting for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

11

Project:	Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1	MHC						
<b>EW-1 Pad Monitoring Well Water Quality Data</b>								
<b>Southeast Pad Monitoring Well</b>								
<b>(SE-EW PMW)</b>								
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	
7/14/2011	1414	9.48	-0.89	79,700	29,000	55,350	29.8	
7/21/2011	1119	9.36	-0.77	74,100	34,000	54,100	30.0	
7/28/2011	1229	9.55	-0.96	74,300	30,200	56,300	29.8	
8/4/2011	1224	9.50	-0.91	72,700	27,800	53,000	27.7	

<b>Project:</b>	Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1	<b>MHC</b>						
<b>EW-1 Pad Monitoring Well Water Quality Data</b>								
<b>Northeast Pad Monitoring Well</b>								
<b>(NE-EW PMW)</b>								
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	
7/14/2011	1338	9.75	-0.87	76,400	27,200	54,550	29.9	
7/21/2011	1039	9.35	-0.47	72,200	32,600	49,760	29.7	
7/28/2011	1119	9.51	-0.63	71,600	30,200	54,250	29.7	
8/4/2011	1249	9.70	-0.82	64,400	31,500	53,850	27.5	

<b>Project:</b> Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1								
<b>EW-1 Pad Monitoring Well Water Quality Data</b> <b>Northwest Pad Monitoring Well</b> <b>(NW-EW PMW)</b>								
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	
7/14/2011	1524	9.75	-0.91	79,900	27,600	56,350	30.3	
7/21/2011	1226	9.60	-0.76	76,200	32,600	54,500	29.7	
7/28/2011	1154	9.80	-0.96	74,900	32,200	57,050	30.5	
8/4/2011	1317	9.85	-1.01	78,000	30,500	59,300	28.7	

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	
7/14/2011	1445	10.22	-1.34	69,900	24,800	48,300	29.6	
7/21/2011	1154	10.10	-1.22	67,800	27,400	47,900	29.6	
7/28/2011	1259	10.26	-1.38	67,000	26,600	48,650	27.7	
8/4/2011	1157	10.30	-1.42	68,420	25,600	51,350	27.5	

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**  
**34-inch Diameter Cement Summary**



Cementing Stage	Date	Base of the Cemented Interval (feet bpl)	Volume of Cement			Theoretical		Actual Interval Cemented (feet)	Actual / Theoretical Filled Interval (percent)	Type of cement (including additives)
			Planned (barrels)	Actual Pumped (barrels)	(cubic feet)	Depth (feet bpl)	Fill (feet)			
1	8/5/2011	1,542	352	326	1,830	1,448	94	75	80	Neat
2	8/6/2011	1,467	328	335	1,881	1,343	124	210	169	Neat
3	8/6/2011	1,257	228	228	1,280	1,045	212	241	114	4%
4	8/7/2011	1,016	174	174	977	766	250	255	102	12%
5	8/7/2011	761	174	174	977	511	250	272	109	12%
6	8/8/2011	489	174	86	483	369	120	137	114	12%
7	8/8/2011	352	244	235	1,319	0	339	352	104	12%
Final tag:			0							
Total:				1,558	8,747					

"Theoretical" is the theoretical linear feet of cement fill based on the volume of cement pumped for that stage (calculated using XY caliper log).

"Actual/Theoretical Filled Interval" refers to the "Actual Interval Cemented" divided by the "Theoretical Interval Cemented" as a percentage.

"bpl" denotes below pad level.

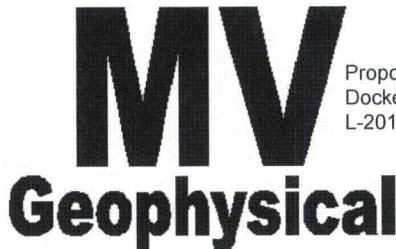
Florida Power & Light Company Turkey Point Exploratory Well EW-1 Deviation Survey Summary					
Pilot Hole			Reamed Hole		
Date	Depth (feet bpl)	Inclination (degrees)	Date	Depth (feet bpl)	Inclination (degrees)
5/13/2011	90	0.2	5/20/2011	90	0.5
5/14/2011	180	0.4	5/24/2011	180	0.4
6/3/2011	270	0.5	6/6/2011	270	0.0
5/29/2011	345	0.3	6/8/2011	360	0.1
5/29/2011	435	0.4	6/9/2011	450	0.2
5/30/2011	524	0.4	6/10/2011	540	0.3
5/30/2011	614	0.0	6/12/2011	630	0.5
5/31/2011	704	0.2	6/14/2011	720	0.4
5/31/2011	794	0.3	6/15/2011	810	0.4
5/31/2011	884	0.3	6/16/2011	900	0.3
6/1/2011	974	0.5	6/18/2011	990	0.4
6/1/2011	1,064	0.5	7/23/2011	1,080	0.1
7/1/2011	1,154	0.6	7/25/2011	1,170	0.4
7/1/2011	1,244	0.3	7/26/2011	1,260	0.5
7/1/2011	1,334	0.4	7/27/2011	1,350	0.2
7/2/2011	1,424	0.4	7/29/2011	1,440	0.3
7/2/2011	1,514	0.5	8/10/2011	1,530	0.5
7/3/2011	1,604	0.5			

bpl = below pad level

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

Date	Depth (feet bpl)	Kill Used	Approximate Volume (gallons)	Approximate Quantity (pounds)
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	
7/15/2011	1655	Bentonite /Barite	1,925	
7/16/2011	1655	Bentonite /Barite	2,200	
7/17/2011	1655	Bentonite /Barite	284	
7/18/2011	1655	Bentonite /Barite	275	
7/19/2011	1655	Bentonite /Barite	275	
7/31/2011	1542	Bentonite /Barite	18,950	
8/1/2011	1542	Bentonite /Barite	4,548	
8/2/2011	1542	Bentonite /Barite	284	
8/5/2011	1542	Bentonite /Barite	4,548	
8/6/2011	1542	Bentonite /Barite	2,274	
8/10/2011	1542	Bentonite /Barite	6,443	
8/10/2011	1542	Salt		2,000

feet bpl = feet below pad level



Proposed Turkey Point Units 6 and 7  
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# CEMENT TOP LOG HIGH RESOLUTION TEMPERATURE GAMMA RAY

Company Layne Christensen Company Turkey Point EW-1 Florida City Miami-Dade Well Field County State/Prv	Company	Layne Christensen Company					
	Well	Turkey Point EW-1					
	Field	Florida City					
	County	Miami-Dade	State/Prv	Florida			
Location			Other Services				
FPL Turkey Point Power Plant LAT: 25 25' 19" N LONG: 80 20' 08" W McNabb Hydrogeologic Consulting, Inc.			NONE				
Permanent Datum		Pad Level	Elevation	Elevation K.B. D.F. G.L.			
Log Measured From		Pad Level					
Drilling Measured From		Pad Level					
Date		5-AUG-2011	12:30 8/6/2011 8b				
Run Number		EIGHT-A	1228'				
Depth Driller		1531' CMT PLG	01:15 8/7/2011 8c				
Depth Logger		1518'	1012'				
Bottom Logged Interval		1518'	14:00 8/7/2011 8d				
Top Log Interval		SURFACE	757'				
Open Hole Size		42.5"	05:45 8/8/2011 8e				
Type Fluid		H2O	504'				
Density / Viscosity		NA/NA	17:00 8/8/2011 8f				
Max. Recorded Temp.		see log	388'				
Estimated Cement Top		1458'					
Time Well Ready		23:00 8/5/2011					
Time Logger on Bottom		23:30 8/5/2011					
Equipment Number		MVGS-1					
Location		Ft. Myers					
Recorded By		S.Miller/C.Miller					
Witnessed By		S.Durall (MHC)	K.Greuel (LCC)	D.Daigle (ASRus)			
Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'	FIVE	12.25"	1090'	1655'
TWO	62.5"	SURFACE	259'	SIX	42.5"	1090'	1542'
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		34"	0.375" WT	SURFACE		1535'	
Invoice No.		2011138-144	LTP1.db	8fld/las/pdf		* FINAL PRINT *	

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.

Proposed Turkey Point Units 6 and 7

Docket Nos. 52-040 and 52-041

Comments

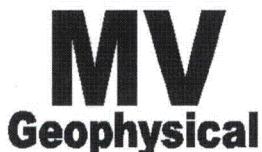
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### CEMENT TOP LOG

STAGE	TOP	TAG	STAGE	TOP	TAG
1	1458'	1467'	2	1228'	1257'
3	1012'	1016'	4	757'	761'
5	504'	499'	6	388'	xxx'

### TEMPERATURE CALIBRATION REPORT (Performed: 19-JUL-11 09:15)

DEG-F	CPS
38.5	147.851
148.8	2690.21



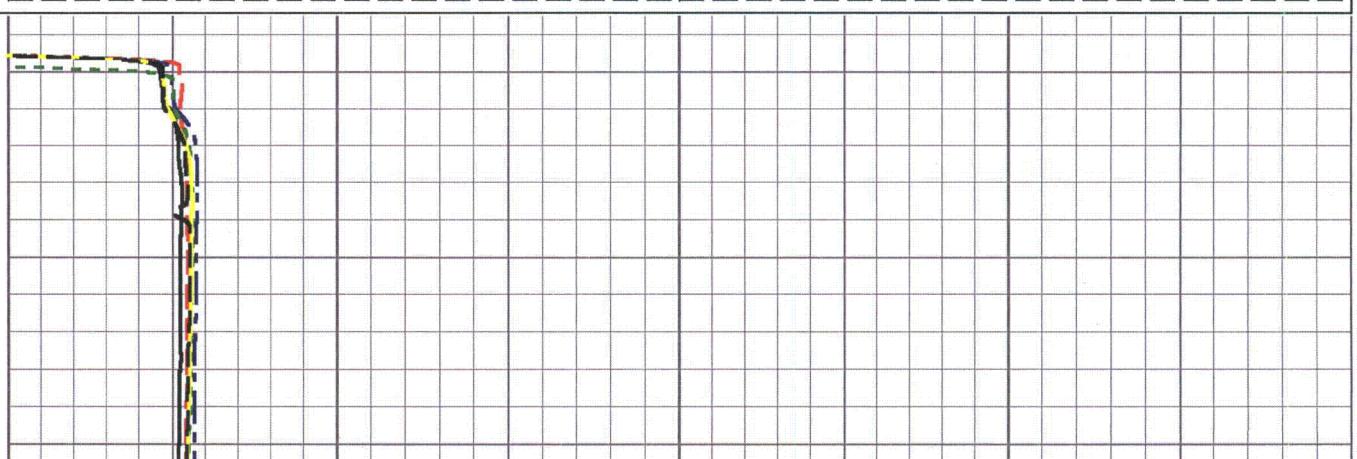
## Merged Cement Tops

Database File: ltp1.db  
 Dataset Pathname: run9/ctlmerge  
 Presentation Format: CTLMRG2  
 Dataset Creation: Mon Aug 08 17:29:04 2011  
 Charted by: Depth in Feet scaled 1:600

70	Stage 2 Temp (degF)	140	140	Stage 2 Temp (degF)	210
70	Stage 1 Temp (degF)	140	140	Stage 1 Temp (degF)	210
70	Stage 3 Temp (degF)	140	140	Stage 3 Temp (degF)	210
70	Stage 4 Temp (degF)	140	140	Stage 4 Temp (degF)	210
70	Stage 5 Temp (degF)	140	140	Stage 5 Temp (degF)	210
70	Stage 6 Temp (degF)	140	120	Stage 6 Temp (degF)	210

0

100



100

200

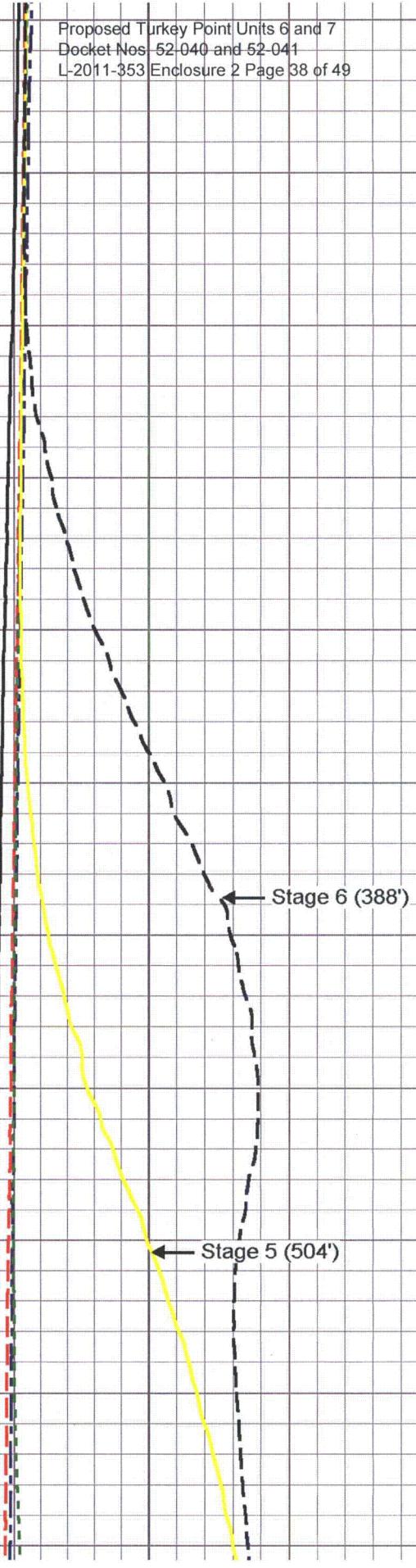
300

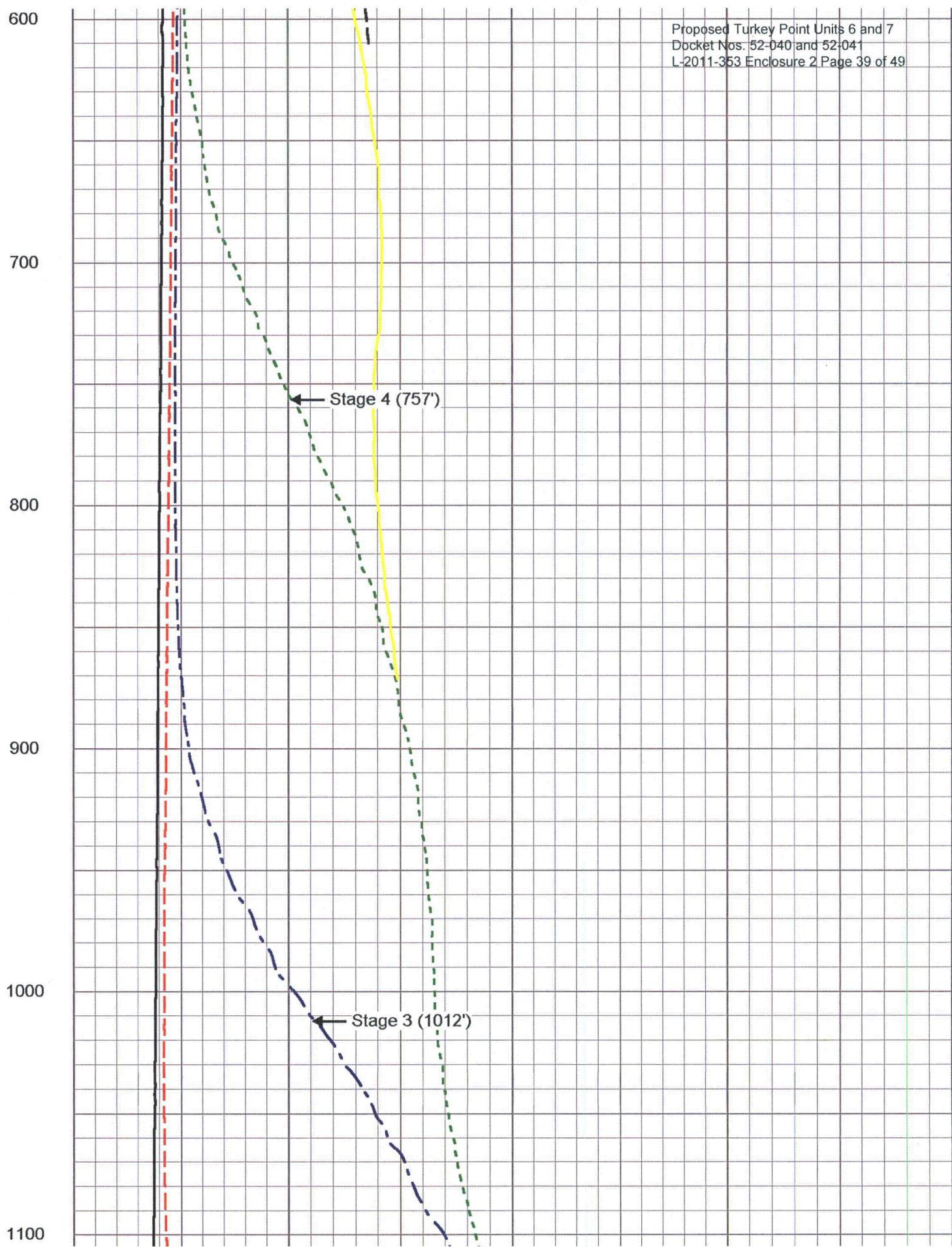
400

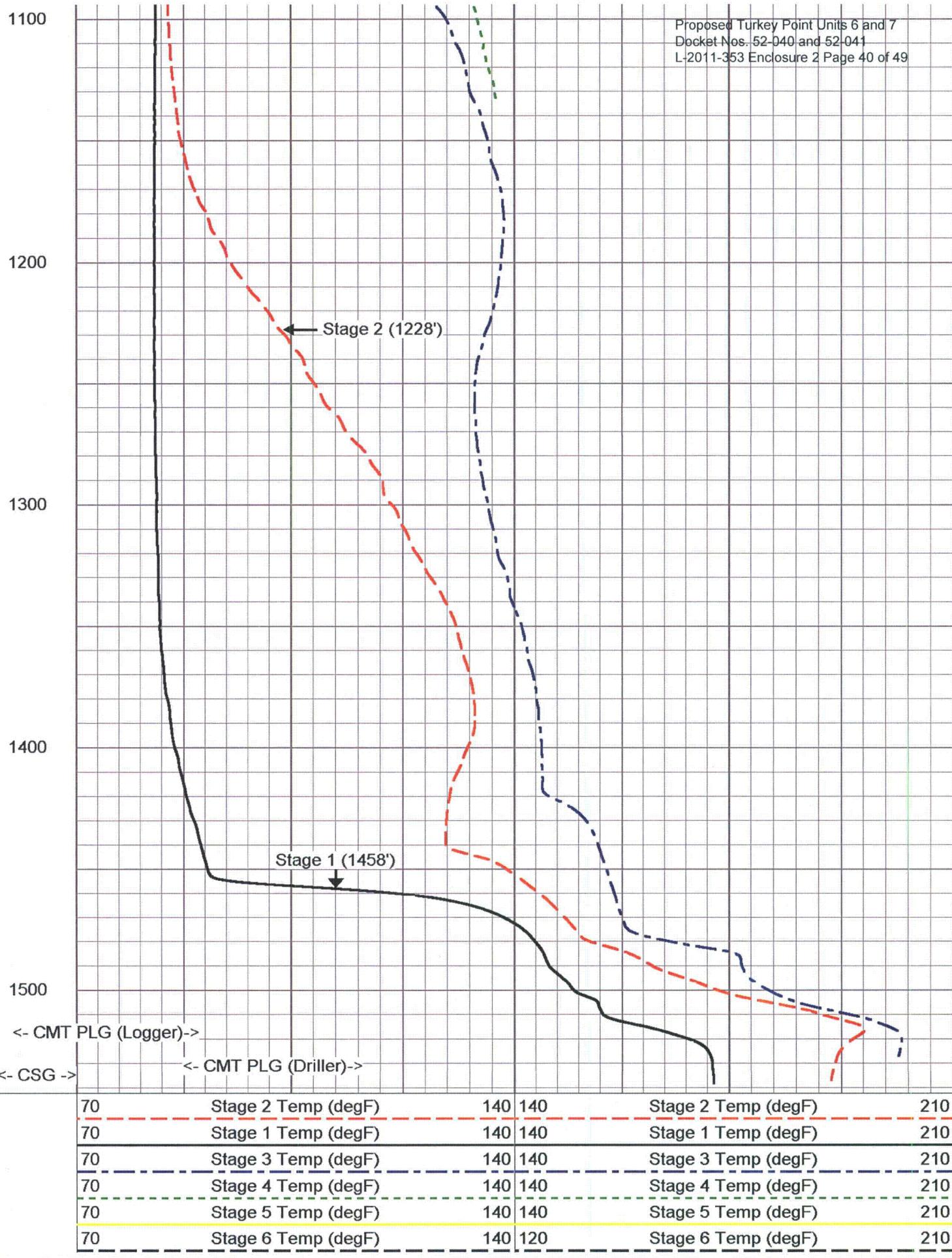
500

600

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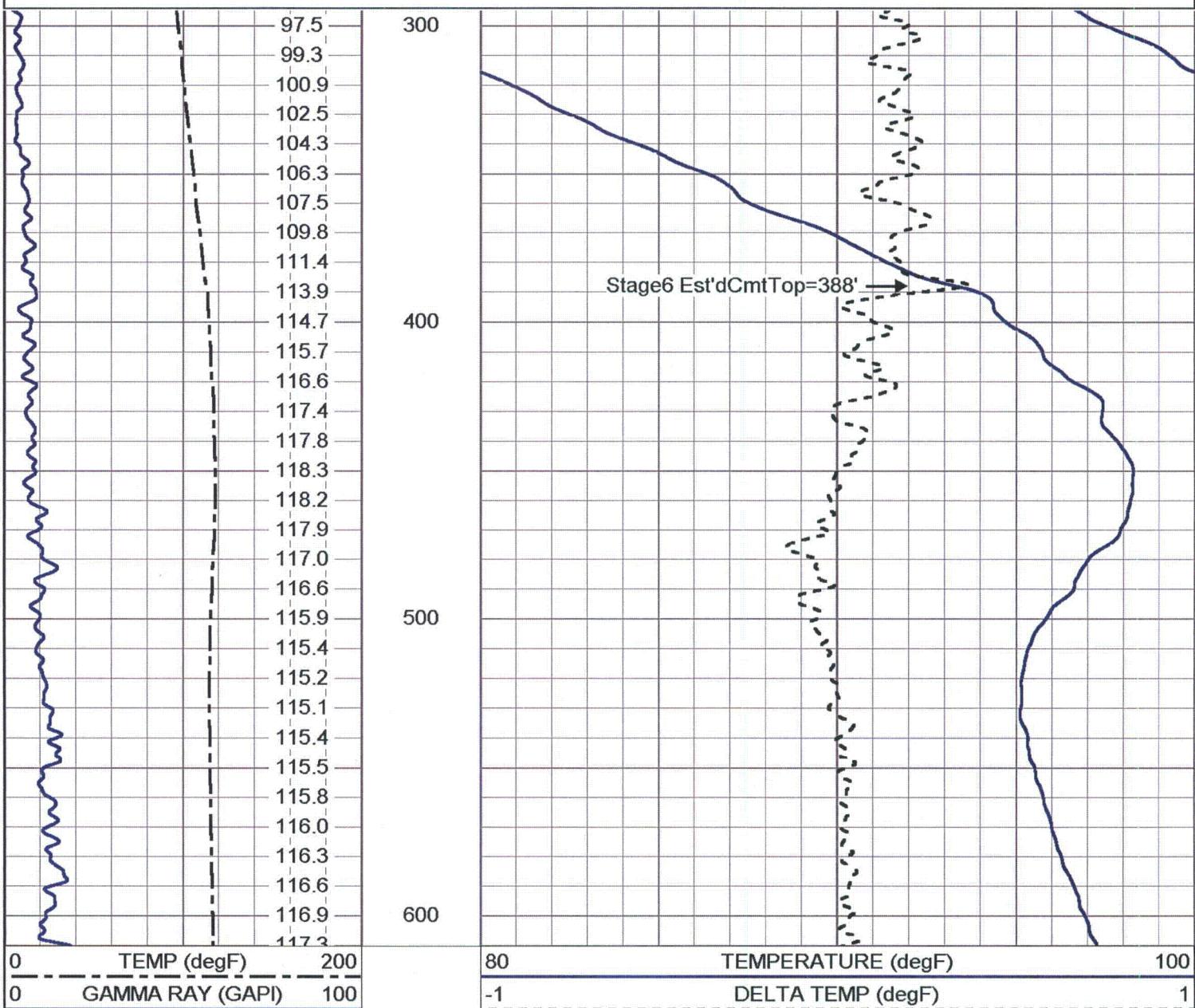
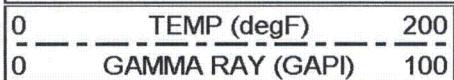




# Stage6 Est'dCmtTop=388'

Database File: ltp1.db  
Dataset Pathname: run9/pass6  
Presentation Format: CTLCC-1  
Dataset Creation: Mon Aug 08 16:57:40 2011 by Log VER\_5.3  
Charted by: Depth in Feet scaled 1:600

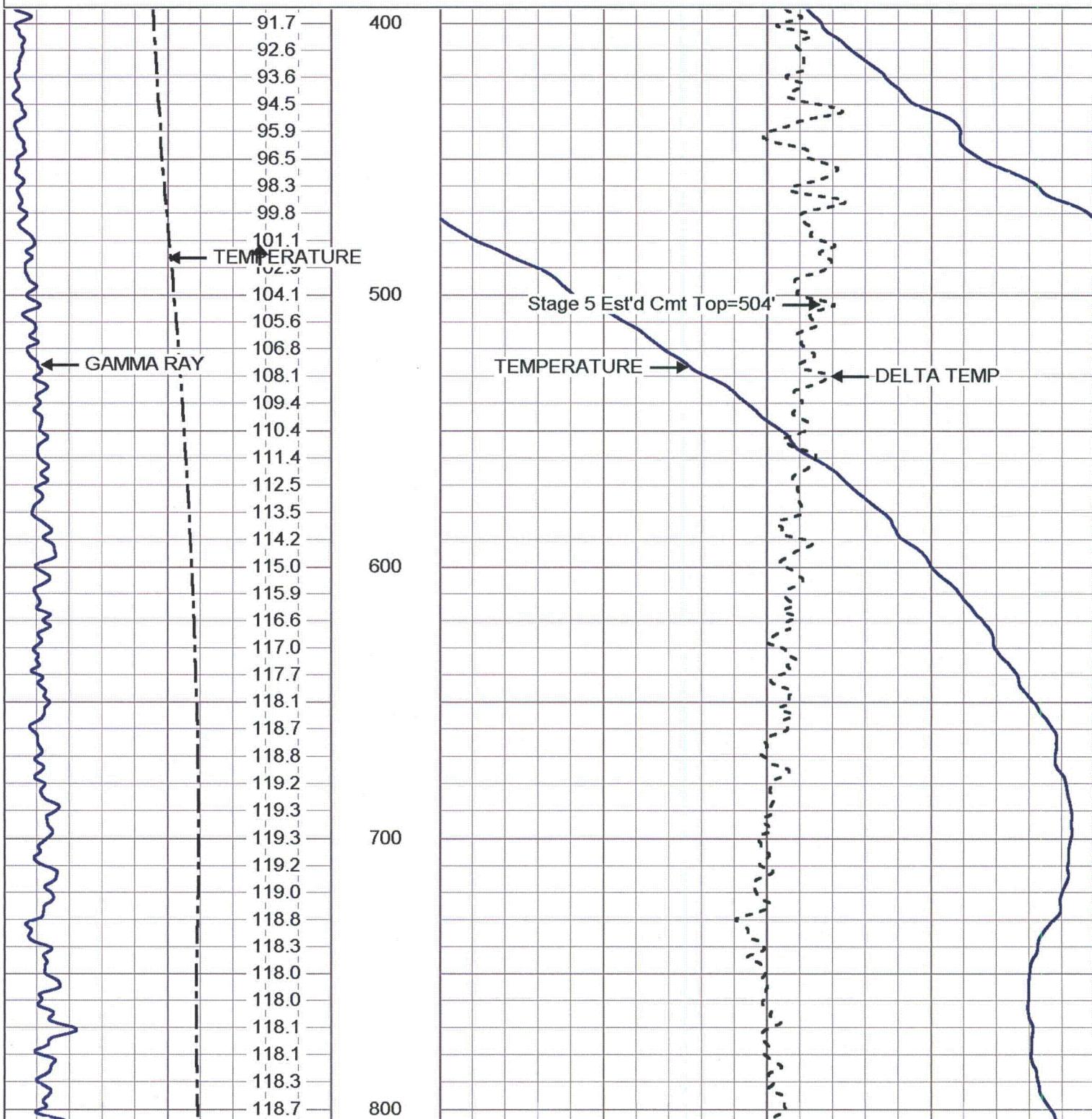
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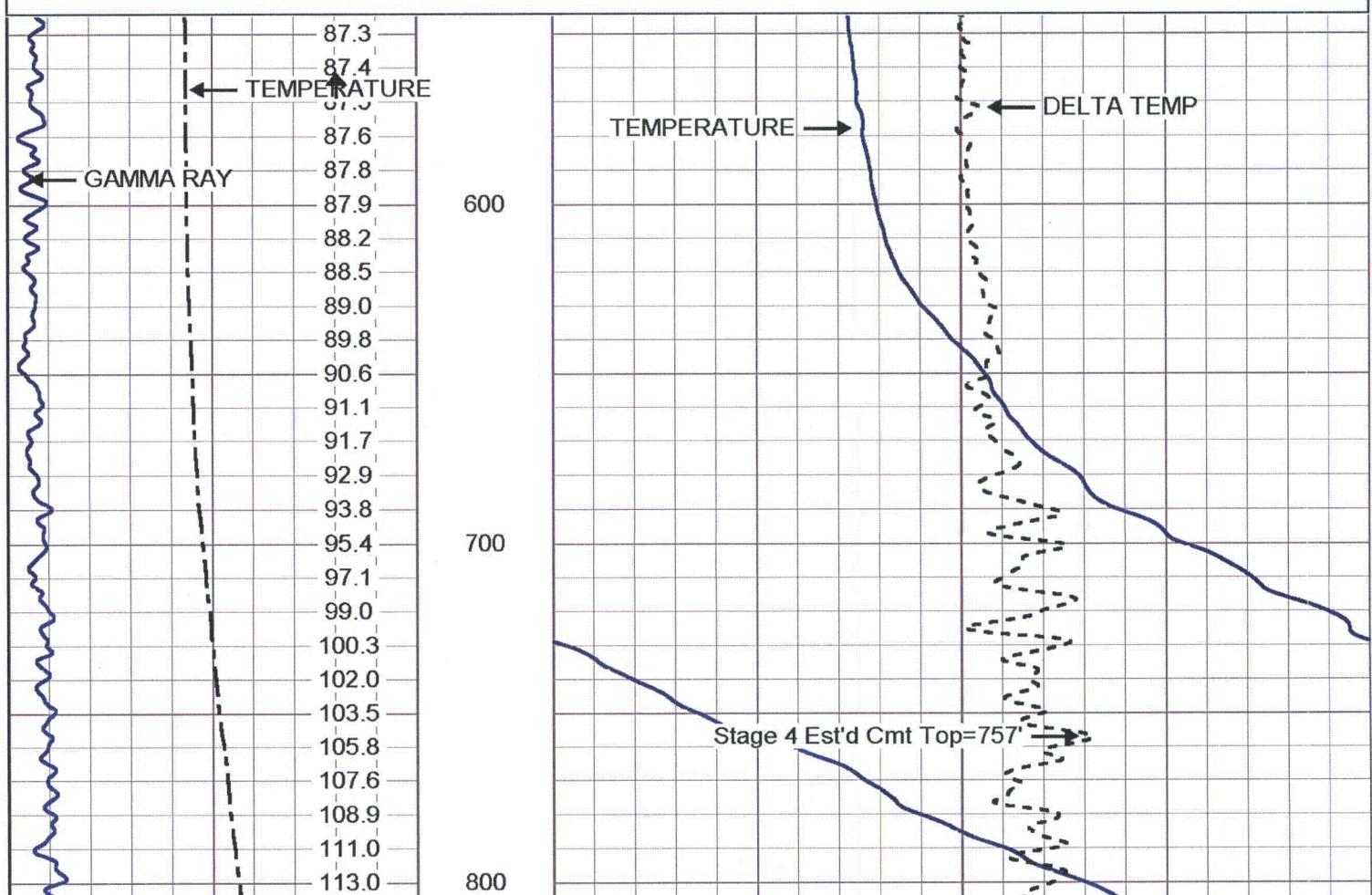
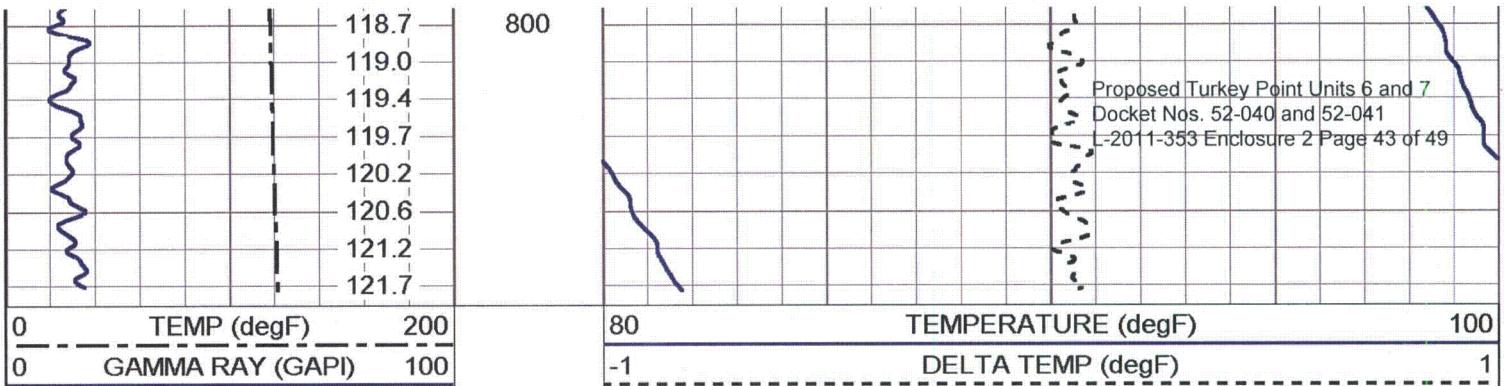


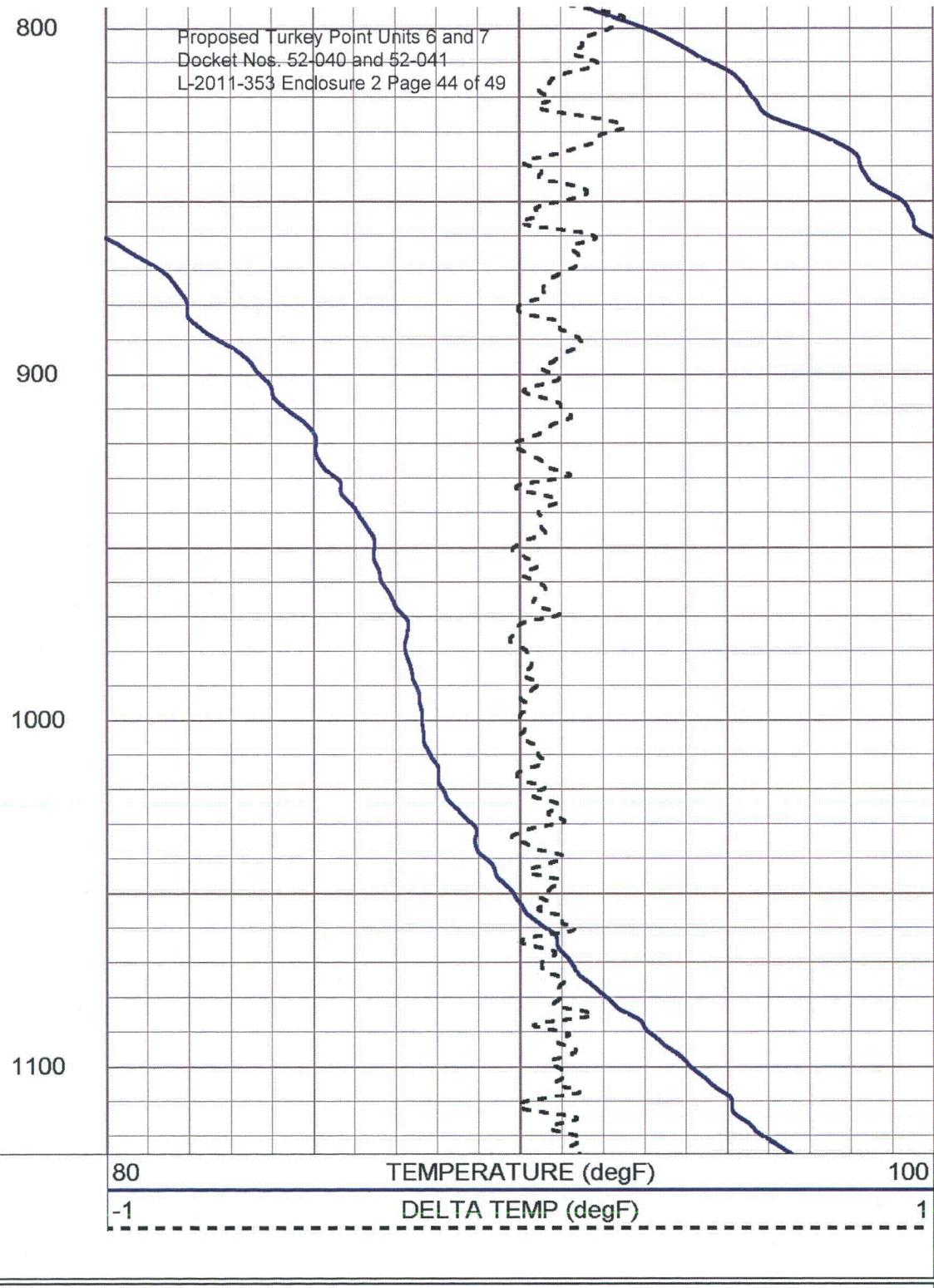
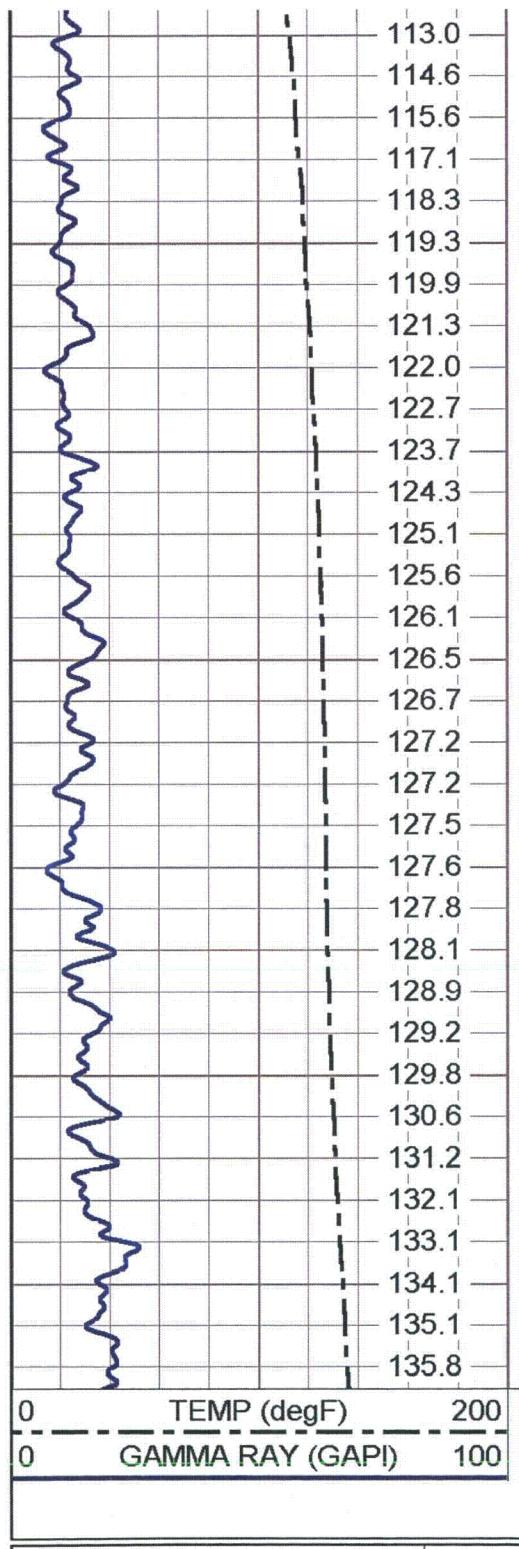
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Presentation Format: CTLCC-1  
Dataset Creation: Mon Aug 08 05:47:23 2011 by Log VER\_5.3  
Charted by: Depth in Feet scaled 1:600

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0	TEMP (degF)	200	80	TEMPERATURE (degF)	100
0	GAMMA RAY (GAPI)	100	-1	DELTA TEMP (degF)	1







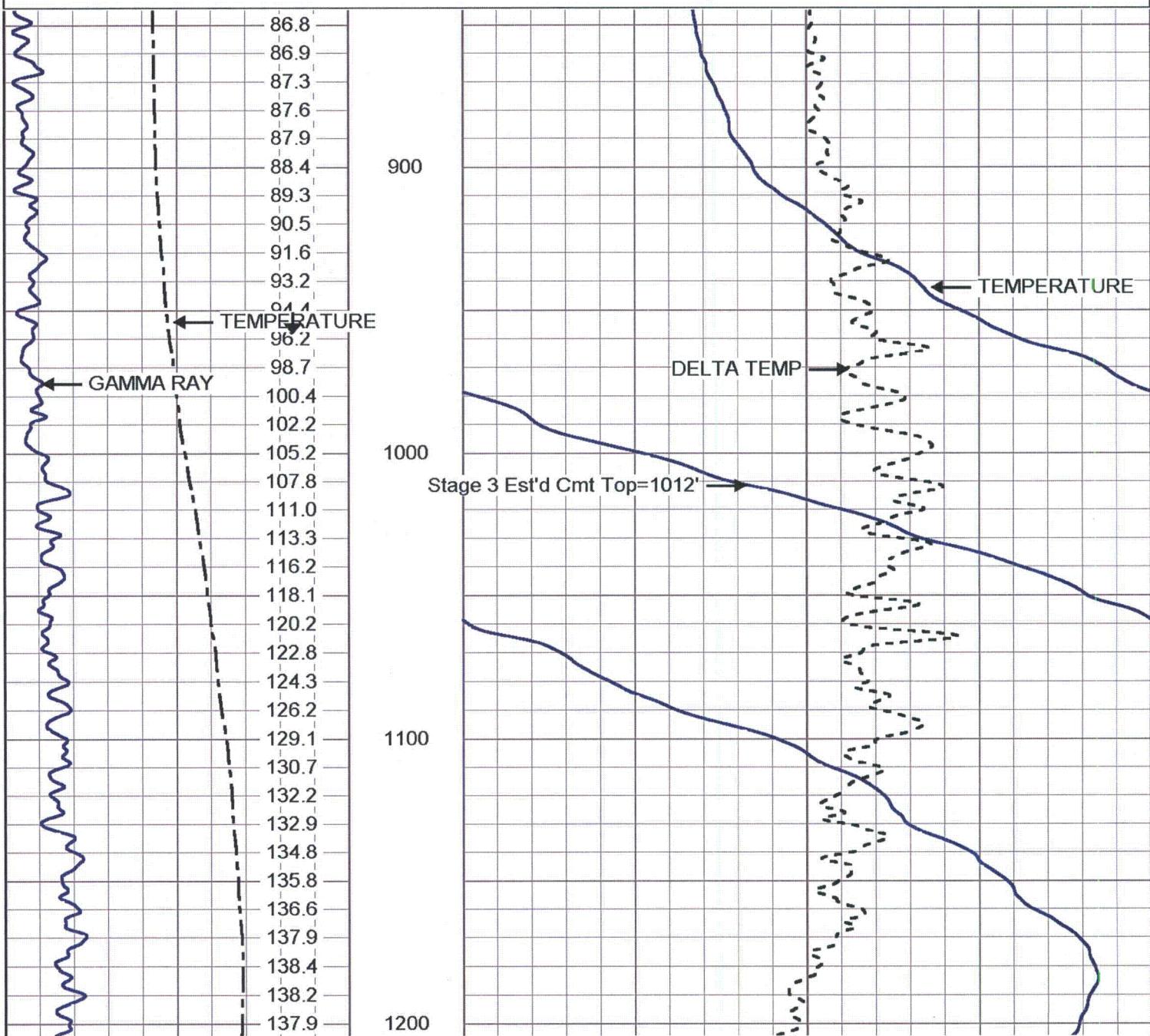
# Stage3 Est'dCmtTop=1012'

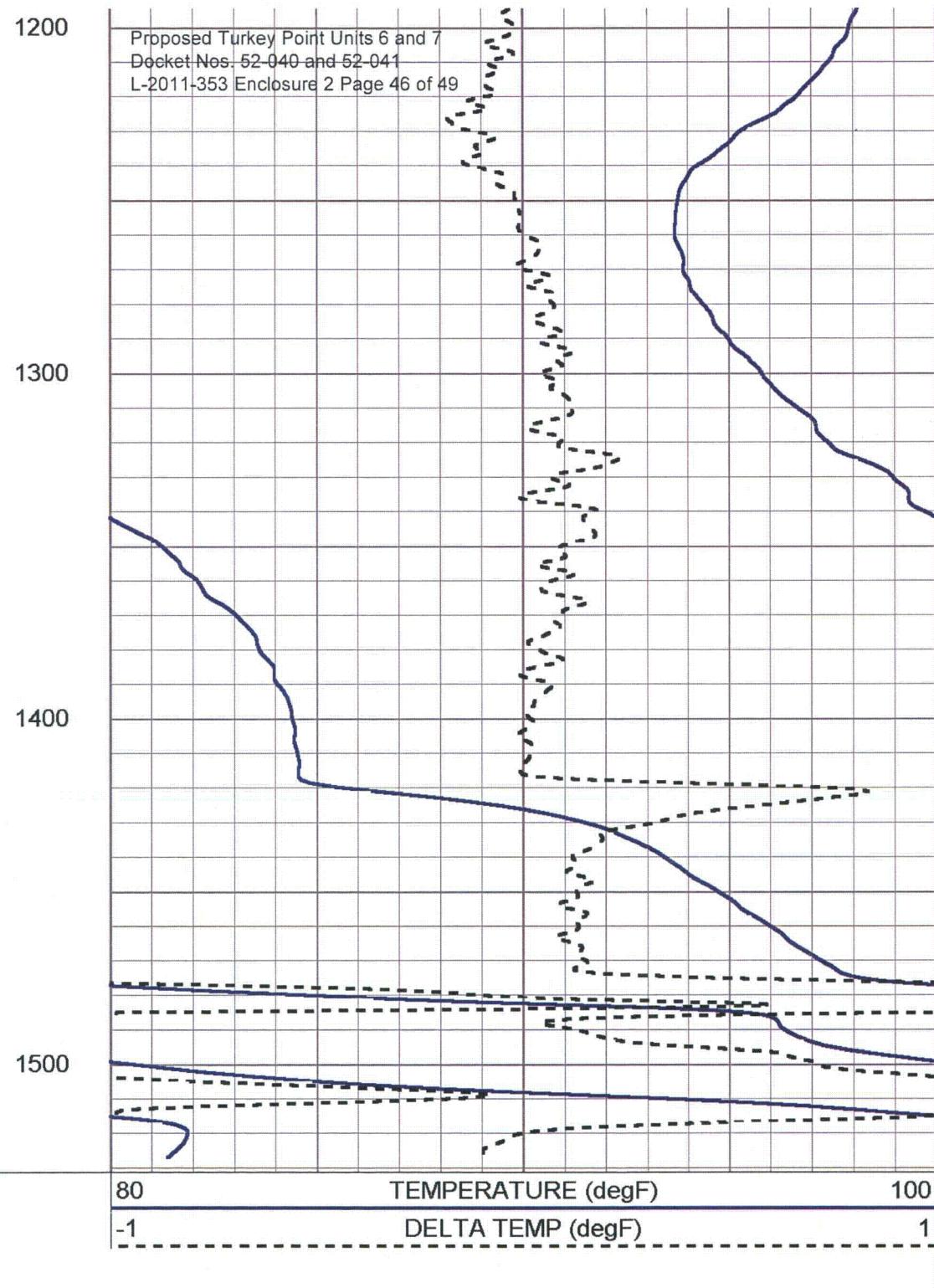
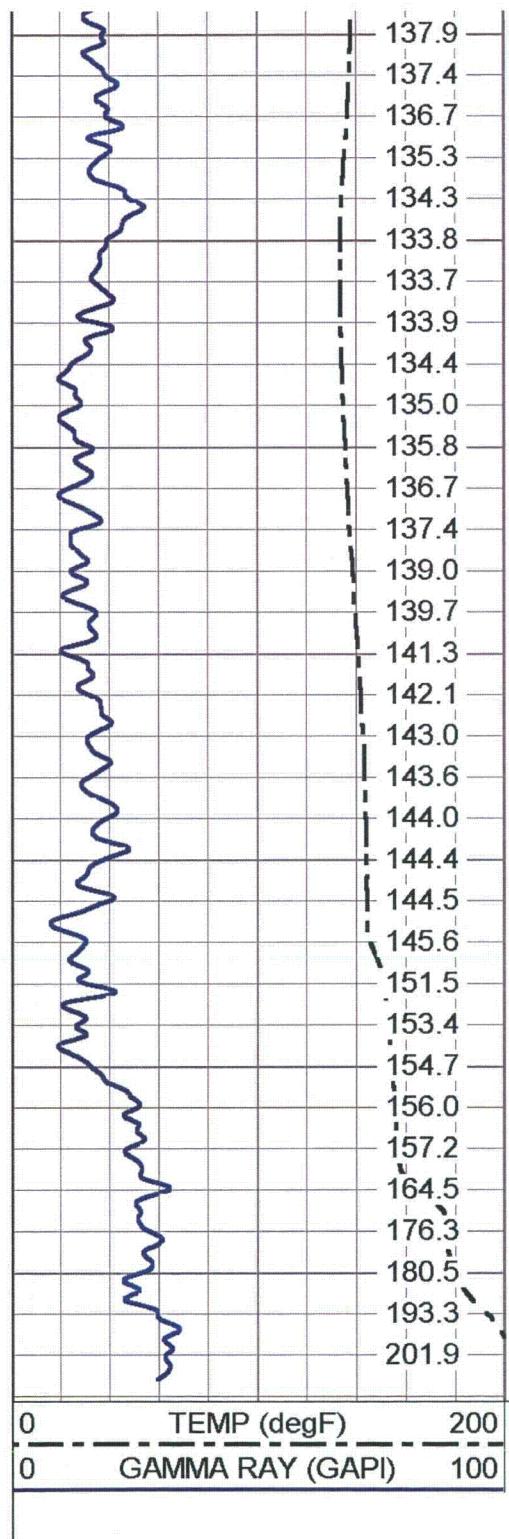
Database File: ltp1.db  
 Dataset Pathname: run9/pass3  
 Presentation Format: CTLCC-1  
 Dataset Creation: Sun Aug 07 01:09:06 2011 by Log VER\_5.3  
 Charted by: Depth in Feet scaled 1:600

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0	TEMP (degF)	200
0	GAMMA RAY (GAPI)	100

80	TEMPERATURE (degF)	100
-1	DELTA TEMP (degF)	1



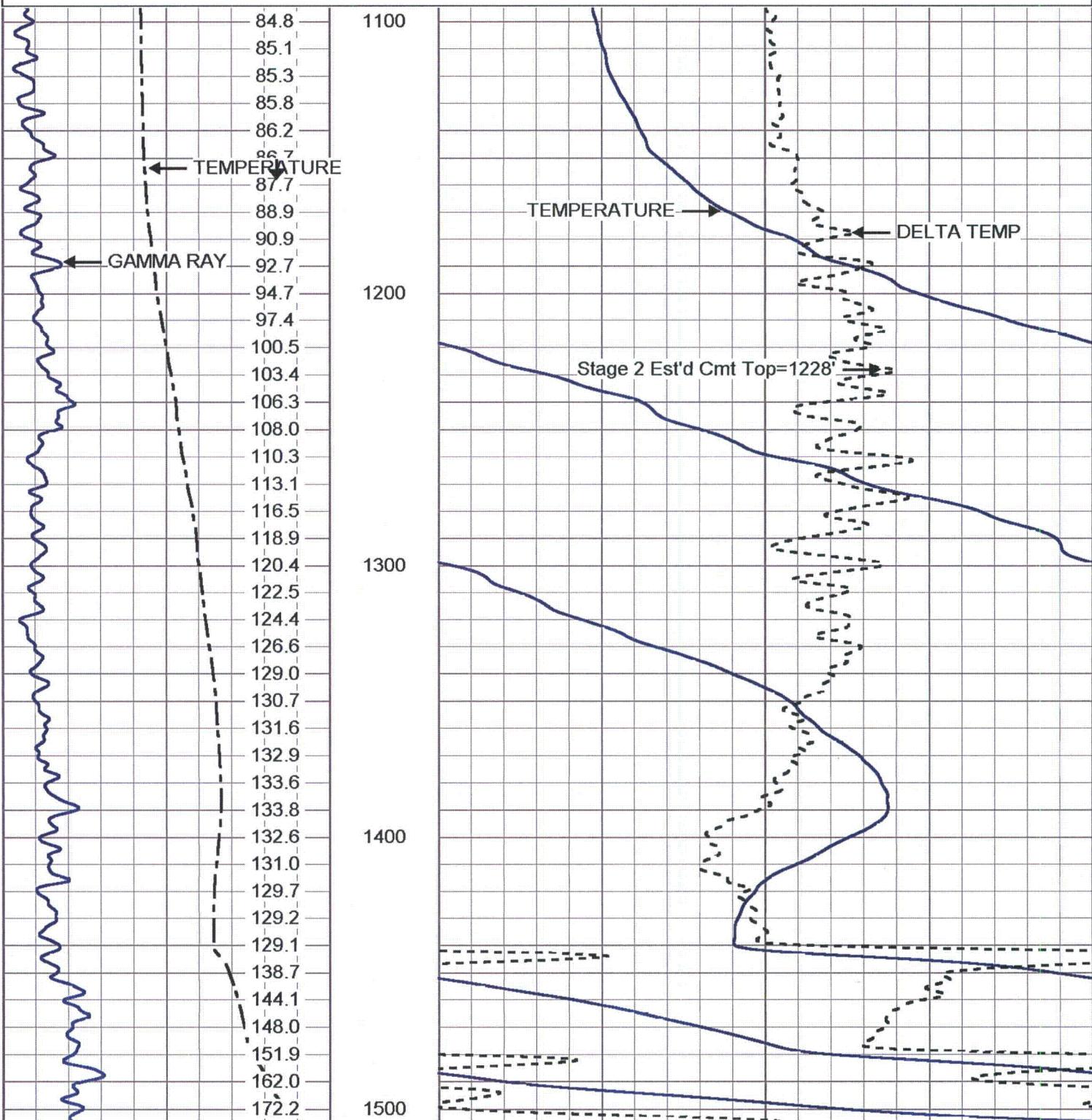


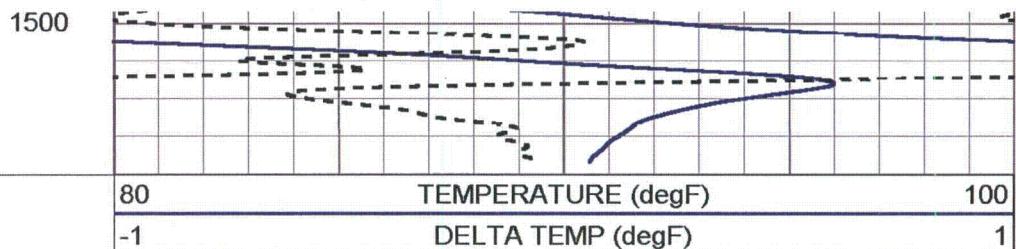
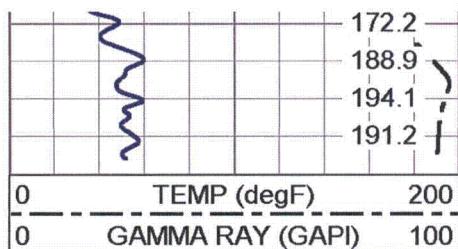
Database File: ltp1.db  
 Dataset Pathname: run9/stage2  
 Presentation Format: CTLCC-1  
 Dataset Creation: Sat Aug 06 12:29:45 2011  
 Charted by: Depth in Feet scaled 1:600

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0 TEMP (degF) 200  
0 GAMMA RAY (GAPI) 100

80 TEMPERATURE (degF) 100  
-1 DELTA TEMP (degF) 1



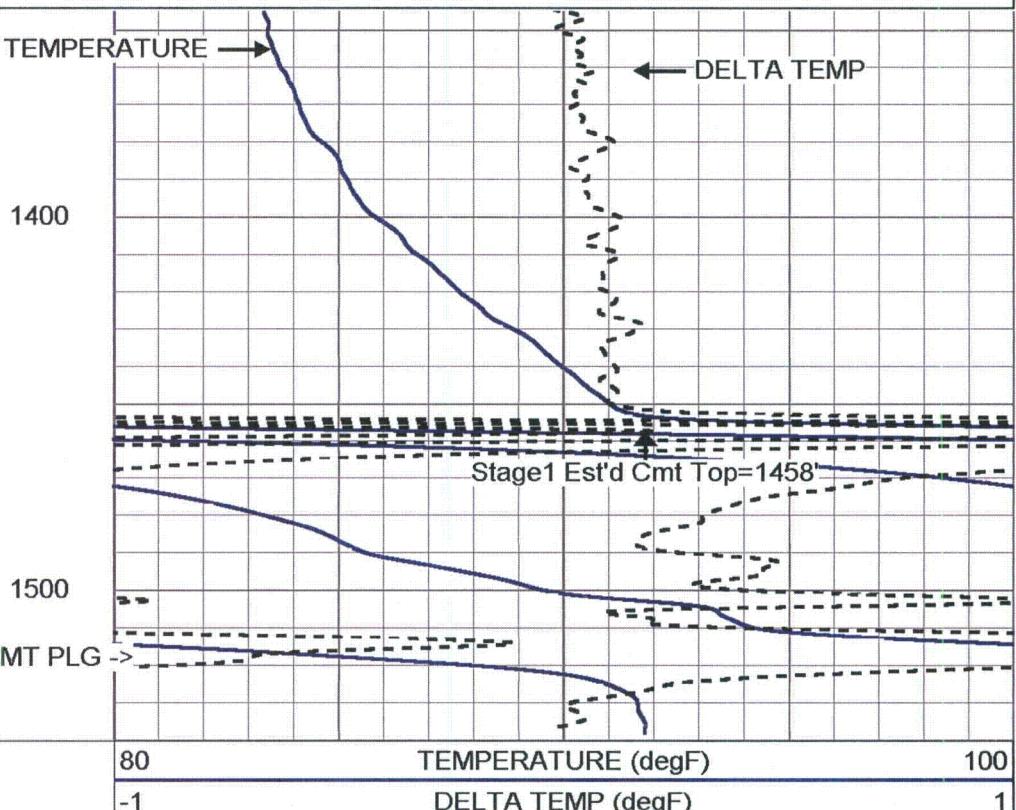
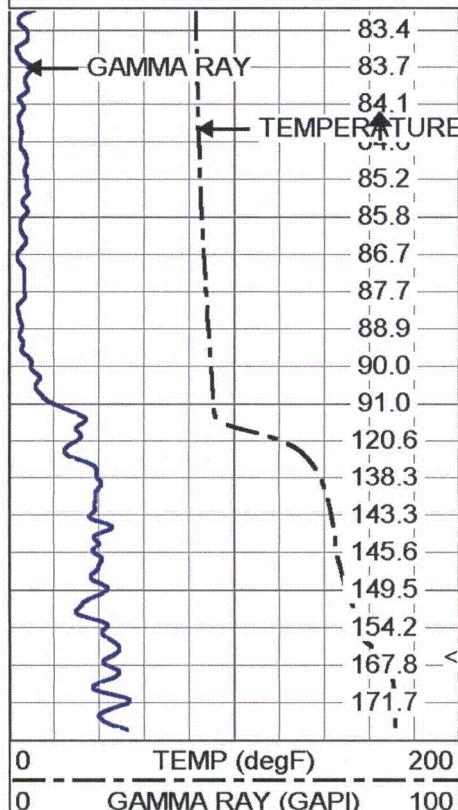
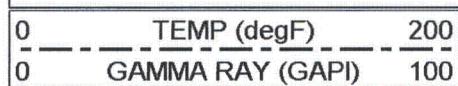


**MV**  
**Geophysical**

# Stage1 Est'd Cmt Top=1458'

Database File: ltp1.db  
 Dataset Pathname: run9/pass2  
 Presentation Format: CTLCC-1  
 Dataset Creation: Fri Aug 05 23:30:49 2011 by Log VER\_5.3  
 Charted by: Depth in Feet scaled 1:600

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**Gamma Ray Calibration Report**

Proposed Turkey Point Units 6 and 7  
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Serial Number:	MV01B	
Tool Model:	RTSB	
Performed:	Fri Aug 05 23:13:40 2011	
Calibrator Value:	120	GAPI
Background Reading:	21.934	cps
Calibrator Reading:	157.494	cps
Sensitivity:	0.885217	GAPI/cps

CCL 4.46 ft

CCL-MVGS 1.9 (MV01)  
8.00 lb 1.90 in OD 1.33 ft

GR#2 1.15 ft

GR #2 -RTSB (MV01B)  
10.00 lb 1.90 in OD 3.33 ft

TEMP 0.10 ft

TEMP-RTS (MV01)  
2.00 lb 1.90 in OD 0.46 ft

Dataset:	run9/pass1
Total Length:	5.12 ft
Total Weight:	20.00 lb
O.D.	1.90 in