

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-087 Enclosure 3 Page 1 of 45

Enclosure 3

Florida Power & Light Company Turkey Point Units 6 & 7
Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #42 dated February 24, 2012

WEEKLY CONSTRUCTION SUMMARY



McNabb Hydrogeologic Consulting, Inc.

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

February 24, 2012

MHCDEP-12-0073

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 #42**

Dear Mr. May:

This is the forty-second weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, February 16, 2012 and ended at 7:00 AM, Thursday, February 23, 2012. 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 performed caliper, gamma ray and video logging of the open hole interval, set up for and performed a formation test over the interval from 3,010 to 3,230 feet bpl. The drilling contractor then reamed the interval from 2,978 to 2,980 feet bpl with a 24-inch diameter drill bit and was in the process of tripping into the well with a 22-inch diameter reaming bit at the end of the reporting period.

During this reporting period, the drilling contractor reamed the interval from 2,980 to 3,230 feet bpl with a 22-inch diameter reaming bit. The drilling contractor then shut down while the final casing setting depth recommendation was prepared and submitted to the Florida Department of Environmental Protection Technical Advisory Committee. A caliper/gamma ray log was performed on the reamed borehole while awaiting approval of the casing setting depth recommendation. A copy of the caliper/gamma ray log is attached. Approval of the final casing setting depth recommendation was received from the Florida Department of Environmental Protection at the end of the reporting period.

There was no casing installation, cementing, or exploratory well development and no lithologic samples were collected during this reporting period. There were no construction related issues during this reporting period.

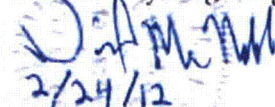
During the next reporting period, it is anticipated that the drilling contractor will install the 24-inch diameter final casing. The 24-inch diameter final casing will then be cemented in place after installation.

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 February 23, 2012. The most recent set of pad monitoring well sample results available are for samples collected on February 16, 2012. 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 well water quality 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 Log
Layne Christensen Company-Drilling Shift Report
Pad Monitor Well Water Quality Data Summary Sheets
Deviation Survey Summary
Geophysical Log

Cc: George Heuler/FDEP-Tallahassee
Emily Richardson/SFWMD
Matthew Raffenberg/FPL
David Holtz/HCE

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



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: February 16, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 2,980 feet bpl

Weather Day: Clear, Warm

Weather Night: Clear, Cool

Activity: Reaming

FDEP UIC Permit #: 0293962-001-UC

Well No.: EW-1

Bit Diameter: 22-inch

Ending Depth: 3,078 feet bpl

Recorded By: Deborah Daigle/Sally Durall

CONSTRUCTION ACTIVITIES

- 0700 Yesterday, the drilling contractor completed reaming with the 24-inch bit to a depth of 2,980 feet bpl, tripped out the 24-inch bit, and tripped in with the 22-inch bit.
- 0900 The drilling contractor is reaming the borehole with the 22-inch diameter bit at a depth of 2,989 feet bpl.
- 1100 The drilling contractor is reaming the borehole with the 22-inch diameter bit at a depth of 2,995 feet bpl.
- 1300 The drilling contractor is reaming the borehole with the 22-inch diameter bit at a depth of 3,001 feet bpl.
- 1500 The drilling contractor is reaming the borehole with the 22-inch diameter bit at a depth of 3,007 feet bpl.
- 1700 The drilling contractor is reaming the borehole with the 22-inch diameter bit at a depth of 3,013 feet bpl.
- 1800 The drilling contractor is reaming the borehole at a depth of 3,016 feet bpl.
- 2000 The drilling contractor is reaming the borehole at a depth of 3,026 feet bpl.
- 2200 The drilling contractor is reaming the borehole at a depth of 3,036 feet bpl.
- 2400 The drilling contractor is reaming the borehole at a depth of 3,047 feet bpl.
- 0200 The drilling contractor is reaming the borehole at a depth of 3,057 feet bpl.
- 0400 The drilling contractor is reaming the borehole at a depth of 3,068 feet bpl.
- 0600 The drilling contractor is reaming the borehole at a depth of 3,078 feet bpl.
- 0700 The drilling contractor continues to ream the borehole at a depth of 3,078 feet bpl.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: February 17, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,078 feet bpl
Weather Day: Clear, Warm
Weather Night: NA
Activity: Reaming

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 22-inch
Ending Depth: 3,230 feet bpl
Recorded By: Deborah Daigle

CONSTRUCTION ACTIVITIES

- 0700 Yesterday, the drilling contractor began reaming the borehole with the 22-inch diameter bit from a depth of 2,980 feet below pad level (bpl). The drilling contractor continues to ream the borehole at depth of 3,078 feet bpl.
- 0725 The kelly is down at a depth of 2,985 feet bpl and the drilling contractor is circulating the borehole clean in preparation of performing a deviation survey.
- 0734 The drilling contractor trips inside the drill pipe with the deviation survey tool to a depth of 3,030 feet bpl.
- 0800 The deviation survey is complete and the result is 0.3 degree.
- 0805 The drilling contractor adds a pipe joint and lowers the drill bit to a depth of 3,175 feet bpl. The pipe lowers with no obstruction into the cavernous portion of the borehole.
- 0815 The drilling contractor adds a second joint and lowers the pipe into the borehole.
- 0835 The drilling contractor reaches the total depth of 3,230 feet bpl. The drilling contractor will circulate the borehole clean and then prepare for the remaining deviation surveys.
- 0930 The drilling contractor begins breaking out drill pipe in preparation for the remaining deviation surveys.
- 1130 The drilling contractor begins removing the air line from the drill pipe.
- 1200 The drilling contractor trips inside the drill pipe with the deviation survey tool to a depth of 3,210 feet bpl.
- 1223 The deviation survey is complete and the result is 0.5 degree.
- 1224 The drilling contractor trips inside the drill pipe with the deviation survey tool to a depth of 3,150 feet bpl.
- 1243 The deviation survey is complete and the result is 0.5 degree.
- 1244 The drilling contractor trips inside the drill pipe with the deviation survey tool to a depth of 3,090 feet bpl.
- 1306 The deviation survey is complete and the result is 0.4 degree.
- 1310 The drilling contractor begins raising the 22-inch drill bit into the 34-inch casing.
- 1410 The drilling contractor continues raising the 22-inch drill bit into the 34-inch casing.
- 1500 the drilling contractor has pulled the 22-inch bit to a depth of 1,420 feet bpl, and sealed off the top of the drilling pipe. The well will remain idle until the 24-inch casing seat recommendation is approved by FDEP.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: February 18, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 3,230 feet bpl

Weather Day: Clear, Warm

Weather Night: NA

Activity: No Activity

FDEP UIC Permit #:0293962-001-UC

Well No.: EW-1

Bit Diameter: NA

Ending Depth: 3,230 feet bpl

Recorded By: Deborah Daigle

CONSTRUCTION ACTIVITIES

There was no construction activity on site today. Construction activity will resume after submittal and subsequent approval of the final casing setting depth recommendation.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: February 19, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 3,230 feet bpl

Weather Day: Clear, Warm

Weather Night: NA

Activity: No Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: EW-1

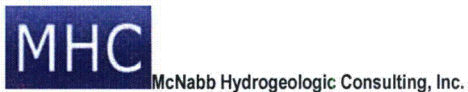
Bit Diameter: NA

Ending Depth: 3,230 feet bpl

Recorded By: Deborah Daigle

CONSTRUCTION ACTIVITIES

There was no construction activity on site today. Construction activity will resume after submittal and subsequent approval of the final casing setting depth recommendation.



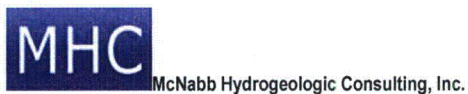
Daily Construction Log

Date: February 20, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,230 feet bpl
Weather Day: Clear, Warm
Weather Night: NA
Activity: No Activity

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: NA
Ending Depth: 3,230 feet bpl
Recorded By: Deborah Daigle

CONSTRUCTION ACTIVITIES

There was no construction activity on site today. Construction activity will resume after submittal and subsequent approval of the final casing setting depth recommendation.



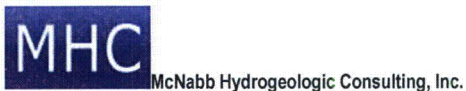
Daily Construction Log

Date: February 21, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,230 feet bpl
Weather Day: Clear, Mild
Weather Night: NA
Activity: Geophysical Logging

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: NA
Ending Depth: 3,230 feet bpl
Recorded By: Marty Clasen

CONSTRUCTION ACTIVITIES

- 0700 There was no construction activity at the site yesterday. Today the drilling contractor will run a caliper/gamma ray log on the pilot hole to total depth.
- 0715 The geophysical logging truck is onsite and will set up for the caliper/gamma ray log.
- 0800 The geophysical logger begins running the caliper/gamma ray tool into the hole.
- 0830 The geophysical logger completed a repeat pass over the interval from 3,050 feet to 2,850 feet bpl.
- 0900 The logging tool is at the bottom of the hole at a logged depth of 3,232 feet bpl. The geophysical logger begins running the caliper/gamma ray log from the bottom of the hole upwards.
- 0945 The caliper/gamma ray log is completed to 1,430 feet bpl, which is inside the 34-inch diameter casing that was set at a depth of 1,535 feet bpl.
- 1030 The geophysical logger provided eight field copies of the caliper/gamma ray log and one electronic pdf copy.
- 1230 The drilling contractor is preparing the 24-inch diameter steel casing for installation by welding lifting lugs onto the pipe and working on the packer assembly.
- 1430 The drilling contractor continues to prepare the 24-inch steel casing for installation.
- 1630 The drilling contractor continues to prepare the 24-inch steel casing for installation.
- 1800 The drilling contractor continues to prepare the 24-inch steel casing for installation.



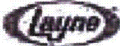
Daily Construction Log

Date: February 22, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,230 feet bpl
Weather Day: Clear, Mild
Weather Night: NA
Activity: 24-inch Casing

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: NA
Ending Depth: 3,230 feet bpl
Recorded By: Marty Clasen

CONSTRUCTION ACTIVITIES

- 0700 Yesterday, the drilling contractor ran a caliper/ gamma ray log on the pilot hole to total depth. The drilling contractor is preparing the 24-inch diameter casing for installation.
- 0900 The drilling contractor is preparing the packer assembly and attaches the cement basket to the 24-inch casing.
- 1100 The drilling contractor continues to prepare the 24-inch diameter casing, cement basket, and packer assembly.
- 1230 The drilling contractor has completed the preparation of the 24-inch diameter casing, packer assembly and cement basket. The 24-inch pipe has been tallied. A total of 90 individual pipes will be installed.
- 1430 The casing tally was verified and the pipes were numbered from 1 through 90.
- 1600 The casing setting depth recommendation for the 24-inch diameter final casing has been approved by the Florida Department of Environmental Protection.
- 1800 The drilling contractor has been informed of the casing setting depth approval and will begin installing the casing tomorrow morning.



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL Proposed Turkey Point Units 6 and 7
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DATE 2/16/2012
TWRS DAY

JOB # 11771-1405.10000

JOB SITE LOCATION Turkey Point

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	DANNY KEELEY	X	12		12
CoB	George Haga	X	12		12
AP	Audrey Popov	X	12		12
SN	Juan Niwo	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
FDW-200	28605	w/k
1989 Mack	18000	S/B
Dump truck		

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DB
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 Dwell on Job	
2	11100	Onsite Mobilization	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Assistance - Overhead	
8	11250	Training - Job Chargeout	
9	11300	Mite 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	Spillhole 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	Spillhole 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	Removal of Mud & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Reinforce on and Churning	
37	14350	Site Activities Mobilization	
38	19100	Shop	
39	19150	Administrative	
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 Support/Under	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
1	Slings & straps
2	Protecting the hole & inventory shipping & receiving.
	Safety topic
	Slips, trips, & falls, PPE, Overhead safety, high pressure lines.

TIME OF ACTIVITY BY ITEM

From	To	Circle On	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	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Trip in the hole w/ 22" bit and 11" 20" stabilizer
Tag @ 2980 bbl. make connection @ 2995 bbl
start drilling to 3010 bbl. Repair silt fence.
Clean and organize kiosk, parts house.

[Signature]

2/16/2012

[Signature]



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
JOB SITE NAME FUG-1 L-2012-087 Enclosure 3 Page 12 of 45

DATE 02-16-12
THUR NIGHT

JOB # 11771-1405-10000
JOB SITE LOCATION T.P.

PERSONNEL EMPLOYED TODAY

Table with columns: Crew Assignment, Employee - Full Name, Per Diem?, Onsite Hours, Offsite Hours, Total Hours. Rows include Bosit Gulomov, V.I. VLAD ISHIMOV, A.B. AKMAL BURKHONOV, V.M. VICTOR MOISYEV.

EQUIPMENT DEPLOYED TODAY

Table with columns: Description, Unit #, Status. Entries include EDW-200 28005 w/K, 1989 MACIK 16000 S/B, Dump TRUCK. Includes a small legend for Working, Standby, Down in Shop, Down on Site.

ONLY ACCOUNTING OF ACTIVITIES BY ITEM #

Large activity log table with columns: Item #, Cost Code, Labor Activity, Hours. Lists various activities from 1 to 45, including Short Duration Job, Onsite Mob/Demob, Job Preparation, Safety Meeting, Training, Shop, etc.

MATERIALS USED TODAY

Table with columns: Quantity, Description. Entries include SAFETY MTG., H.I.R.A., PINCH POINT, HAND SAFETY! LOADER SAFETY!, P.P.E! HIGH PRESS LINE!

TIME OF ACTIVITY BY ITEM #

Table with columns: From, To, Circle One, Item #. Grid for recording activity times.

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

DRILL 22" BIT: FROM 3016' bpl - TO - 3060'
Housekeeping, Move the COREPUMP, Side cleanup +
pick up trash;

Handwritten signature and date 02-16-12.

Date 02-16-12

Client's Signature

DAY/DAY

Date

Supervisor's Signature

Date



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPLProposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-087 Enclosure 3 Page 13 of 45DATE 2/17/12
FRI. DAYJOB # 11771.1405.10000JOBSITE NAME EW-1JOBSITE 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
GIS	GEORGE HAGA	X	12		12
JW	JUAN NINO	X	12		12
AP	ANDREY POPOV	X	12		12

EQUIPMENT EMPLOYED TODAY

Description	Unit #	Status
FDW-200	28605	WK
1989 MACK	18000	SB
BLIMP TRUCK		

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	On Site 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/Deck Pad	
12	11450	Install/Surface Casing	
13	11500	Install/Roadway & Dr # Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Horshello 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	Horshello Abandonment/Conent Plug	
24	13350	Reaming	
25	13400	Welder Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Install 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/Struck Tooling	
42	19650	Change Order Activities	
43	98000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	SAFETY MEETINGS:
	#1 TEAM WORK
	#2 PAINTING PROCEDURES
	PPE, LOADER SAFETY, PINCH POINTS,
	TDH,

TIME OF ACTIVITY BY ITEM

From	To	Clock On	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	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

REAMED 22" BIT FROM 3060' BPL TO 3230' BPL
TRIPPED IN THE CASING; SHUT DOWN AT 3:00 P.M.
HAULED OUT FRAK TANKS; CLEAN & PAINT RIG
Performed deviation surveys: 3030' = 0.3°, 3090' = 0.4° DM
3150' = 0.4°, 3210' = 0.5°

Supervisor's Signature

Date

2/17/12

Client's Signature

PAYROLL

Date

Supervisor's Signature

Date



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL Proposed Turkey Point Units 6 and 7
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JOB SITE NAME EW-1 L-2012-087 Enclosure 3 Page 14 of 45

DATE 02-17-2012
FRI NIGHT

JOB # 11771-1405-10000

LOCATION TP

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
	V.M VICTOR MOISYEV	X	12		12
	A.B AKMAL BURKHONOV	X	12		12

Description	Unit #	Status
FDW-200	28605	W/A
1989 MACK	18000	SB
DUMP TRUCK		

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

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11300	Final Mob/Demob	
3	11300	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	11300	Install Sound Walls	
11	11400	Install Decan 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 Plug	
24	13300	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13500	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 CH of nation	
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	08000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	SAFETY MTG:
①	SLEEPS, TRIPS - FALLS!
②	PAINT 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	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

PAINT - TOP DRIVE, PRESS WASH
RIG + FLOOR

02-17-12

Time

Start's Signature

PAYROLL

Scale

Supervisor's Signature

Hour



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL
 JOBSITE NAME EW-1

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

DATE 2/20/2012
Monday Day

JOB # 11071, 1405, 10000
 JOBSITE LOCATION TURKEY POINT

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
<u>Drill crew</u>	Michael A. Ramirez	X	12		12
<u>TN</u>	Juan Nieto	X	12		12
<u>JY</u>	James McDunnell	X	12		12
<u>JY</u>	Justin Yeomans	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status	
FDW 200	28605	W/O	
1984 MAEK DUMP	14300	1/2	
TRUCK			
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 #	Code	Location	Hours
1	0000	Blank/Excavation Job	
2	11100	Tractor/Truck/Trailer	
3	11120	Site Preparation	
4	11100	Safety Meeting	
5	0000	Training - Onsite	
6	0000	Shop / Onsite	
7	0000	Maintenance - Onsite	
8	14200	Training - Job Chargeable	
9	14000	Site Cleanup	
10	11200	Install Swab/Well	
11	11000	Install Well Pad	
12	11000	Install Surface Conting	
13	11000	Install Roadway & Drill Pad	
14	11000	Install New Drilling	
15	11100	Geophysical Logging & Other Testing	
16	11100	Agular Zone Testing	
17	11200	Geologic Measurements	
18	11000	Preparatory Well/Drill/Well	
19	11100	Install Conductor Pipe	
20	11100	Install Borehole	
21	11000	Geophysical Logging & Other Testing	
22	11000	Agular Zone Testing	
23	11000	Geologic Measurements/Conductivity	
24	11200	Flowing	
25	11000	Access Retrieval	
26	11000	Install Conting	
27	11000	Install Screen	
28	11200	Stand Back The Well	
29	11000	Install/Remove Well	
30	11000	Major Work	
31	11000	Well Development/ Air Lift and Swab	
32	11000	Removal of Holes & Cuttings	
33	14100	Assembly & Install Tool Pump and Discharge	
34	14200	Development/ Logging	
35	14300	Tool Pumping	
36	14300	Removal/Installation	
37	15000	Offsite Activities/Well/Trucks	
38	11200	Flowing	
39	15100	Well's activities	
40	15000	Other Activities/Trucks	
41	11000	Waiting for Lost/Broken Tooling	
42	11000	Change Under Address	
43	00000	Equipment Repair	
44	00100	Overhaul	
45	00200	Well Inspection	
		Blank	
TOTAL HOURS			

MATERIALS USED TODAY

Quantity	Description
	Safety Meetings
1)	Machine Guarding
2)	Blood Borne Pathogens
	Power tools, Arc welding, High pressure lines, PPE, Loader Safety, chem. spill prevention.

TIME OF ACTIVITY BY ITEM #

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	
			AM PM	
			AM PM	
			AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Rig on Standby. Painting / House Keeping. Unload Casings 24"
 Delivery 6 pcs. Help welder. Begin Tripping Back down to Bottom.

M. Paris Date: Client's Signature: PAYROLL Supervisor's Signature: K.P. [Signature]



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT F.P.L Proposed Turkey Point Units 6 and 7
JOBSITE NAME EW-1 Docket Nos. 52-040 and 52-041
L-2012-087 Enclosure 3 Page 16 of 45

DATE 02-20-12
MON NIGHT

JOB # 11771-1405-10002
JOB SITE LOCATION T.P

PERSONNEL EMPLOYED TODAY

Table with columns: Crew Assignment, Employee - Full Name, Per Diem?, Onsite Hours, Offsite Hours, Total Hours. Rows include: Drilled Prod + Gulomov, V.I VLAD I SHIMOV, V.M VICTOR MOISYEV, A.B AKMAL BURKHONOV.

EQUIPMENT DEPLOYED TODAY

Table with columns: Description, Unit #, Status. Includes FDW-200, 1989 TRUCK, DUMP TRUCK. Includes sub-table for Working, Standby, Down in Shop, Down on Site.

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Large table with columns: Item #, Cost Code, Labor Activity, Hours. Lists various activities from 1 to 45, including mobilization, drilling, and testing.

MATERIALS USED TODAY

Table with columns: Quantity, Description. Includes SAFETY MTG, T.I.H AND -T.O.H, PROTECTING THE HOLE, PPE, H.I.R.A, PINCH POINT, HAND SAFETY, LOADER SAFETY, HIGH PRESS LINE.

TIME OF ACTIVITY BY ITEM #

Table with columns: From, To, Circle One, Item #. Grid for tracking activity times.

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

T.I.H @ 3230' BPL: 22" BIT: Circulate the hole 30 min
T.O.H; 22" BIT AND STABILIZER; T.I.H - 1 Dip
Robert CAN; Clear the floor; Can Rig Hydraulic hose snapped,
take a parts

Signatures and dates: 02-20-12, Client's Signature, Payroll, Supervisor's Signature.



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPLDATE 2/21/12
Tuesday DaytimeJOB # 11721.1405.10000JOB SITE NAME EW-1Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-087 Enclosure 3 Page 17 of 45JOB SITE LOCATION Turkey Point

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem (X)	Onsite Hours	Offsite Hours	Total Hours
<u>DRILL MGR</u>	<u>Michael A. Ramirez</u>	<u>X</u>	<u>12</u>		<u>12</u>
<u>JN</u>	<u>Juan Nieto</u>	<u>X</u>	<u>12</u>		<u>12</u>
<u>JM</u>	<u>James McDannell</u>	<u>X</u>	<u>12</u>		<u>12</u>
<u>JY</u>	<u>Justin Yeomans</u>	<u>X</u>	<u>12</u>		<u>12</u>

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
<u>ADW-200</u>	<u>22005</u>	<u>W/O</u>
<u>1989 Mack Dump Truck</u>	<u>R000</u>	<u>Y/B</u>

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration on 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 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	Travel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Washing	
31	14050	Well Development at Lift and Swab	
32	14100	Disposal of Slides & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Hyfracture and Churnation	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Mobilization	
40	19550	Other Activities Standby	
41	19600	Waiting for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Overnight	
45	90200	Job Superintendent Lunch	
TOTAL HOURS			

MATERIALS USED TODAY

Quantity	Description
	<u>Safety Meetings</u>
	<u>1) Employer Safety Responsibilities</u>
	<u>2) Back injury Prevention</u>
	<u>Arc Welder - Torch Safety, Loader safety, Fire Prevention, PPE, Eyes on Path, overhead dangers, Slip-Trip-Fall</u>

TIME OF ACTIVITY BY ITEM

Item #	From	To	Order	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

Log Hole - Help logger. Help Welder. Help with Frack Tank Pick up. Help Survey co. Unload delivery 2 stainless flanges fiber-glass coupling 3 lrg gate valve. Replace Blown Hose on Can Rig. Removed X-O and pop off stabilizer. Removed X-O off 22" bit. Scrubbed Drillhouse floor & Can Rig. Housekeeping

MR
Client's Signature2/21/12
Date

Client's Signature

PAYROLL

Date

Supervisor's Signature

Date



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL

DATE 2/21/12
TUE. NIGHT

JOB # 11771.1405.10000

JOB SITE NAME EW-1

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-087 Enclosure 3 Page 18 of 45

JOB SITE LOCATION T.P.

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
<u>DRYER</u>	<u>DANNY KEELEY</u>	<u>X</u>	<u>12</u>		<u>12</u>
<u>JOB</u>	<u>JUAN NINO</u>	<u>X</u>	<u>12</u>		<u>12</u>
<u>ZIP</u>	<u>ANDREY POPOV</u>	<u>X</u>	<u>12</u>		<u>12</u>
<u>G-M</u>	<u>GEORGE HAGA</u>		<u>4</u>		<u>4</u>

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
<u>FDW-200</u>	<u>28605</u>	<u>WK</u>
<u>1989 MACK</u>	<u>13000</u>	<u>SB</u>
<u>DUMP TRUCK</u>		

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Item #	Cost Code	Labor Activity	Hours
<u>1</u>	<u>10000</u>	<u>8 hour Durat on Job</u>	
<u>2</u>	<u>11100</u>	<u>Onsite Mob/Demob</u>	
<u>3</u>	<u>11150</u>	<u>Job Preparation</u>	
<u>4</u>	<u>11200</u>	<u>Safety Meeting</u>	
<u>5</u>	<u>10005</u>	<u>Drilling - Overhead</u>	
<u>6</u>	<u>0006</u>	<u>Shop - Overhead</u>	
<u>7</u>	<u>0007</u>	<u>Maintenance - Overhead</u>	
<u>8</u>	<u>11250</u>	<u>Training - Job Chargeable</u>	
<u>9</u>	<u>11300</u>	<u>Site Clean up</u>	
<u>10</u>	<u>11350</u>	<u>Install Sound Walls</u>	
<u>11</u>	<u>11400</u>	<u>Install Decon Pad</u>	
<u>12</u>	<u>11450</u>	<u>Install Surface Casing</u>	
<u>13</u>	<u>11500</u>	<u>Install Roadway & Drill Pad</u>	
<u>14</u>	<u>12050</u>	<u>Test Hole Drilling</u>	
<u>15</u>	<u>12100</u>	<u>Geophysical Logging & Other Testing</u>	
<u>16</u>	<u>12150</u>	<u>Acquifer Zone Testing</u>	
<u>17</u>	<u>12200</u>	<u>Well Abandonment</u>	
<u>18</u>	<u>13050</u>	<u>Production Well Installation</u>	
<u>19</u>	<u>13100</u>	<u>Install Conductor Pipe</u>	
<u>20</u>	<u>13150</u>	<u>Drill Pilot Hole</u>	
<u>21</u>	<u>13200</u>	<u>Geophysical Logging & Other Testing</u>	
<u>22</u>	<u>13250</u>	<u>Acquifer Zone Testing</u>	
<u>23</u>	<u>13300</u>	<u>Well Abandonment/Cement Plug</u>	
<u>24</u>	<u>13350</u>	<u>Seaming</u>	
<u>25</u>	<u>13400</u>	<u>Mud Reaming</u>	
<u>26</u>	<u>13450</u>	<u>Install Casing</u>	
<u>27</u>	<u>13500</u>	<u>Install Screen</u>	
<u>28</u>	<u>13550</u>	<u>Gravel Pack The Well</u>	
<u>29</u>	<u>13600</u>	<u>Install Annular Seal</u>	
<u>30</u>	<u>13650</u>	<u>Water Watching</u>	
<u>31</u>	<u>14050</u>	<u>Well Development Air Lift and Swab</u>	
<u>32</u>	<u>14100</u>	<u>Disposal of Sluds & Cuttings</u>	
<u>33</u>	<u>14150</u>	<u>Furnish & Install Test Pump and Discharge</u>	
<u>34</u>	<u>14200</u>	<u>Development Pumping</u>	
<u>35</u>	<u>14250</u>	<u>Test Pumping</u>	
<u>36</u>	<u>14300</u>	<u>Disposal on and Offsite on</u>	
<u>37</u>	<u>10000</u>	<u>Offsite Activities Mob/Demob</u>	
<u>38</u>	<u>19100</u>	<u>Shop</u>	
<u>39</u>	<u>19150</u>	<u>Administration</u>	
<u>40</u>	<u>19550</u>	<u>Offsite Activities Standby</u>	
<u>41</u>	<u>10000</u>	<u>Missing or Lost/Broken Tooling</u>	
<u>42</u>	<u>19650</u>	<u>Change Order Activities</u>	
<u>43</u>	<u>88000</u>	<u>Liquorment Repairs</u>	
<u>44</u>	<u>90170</u>	<u>Damages</u>	
<u>45</u>	<u>90200</u>	<u>Job Superintendent</u>	
		<u>Lunch</u>	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	<u>SAFETY MEETINGS:</u>
	<u>#1 HANDLING GAS & FLAMMABLE LIQUIDS</u>
	<u>#2 CHEMICALS SAFETY</u>
	<u>DPE, LOADER SAFETY, PINCH POINTS,</u>
	<u>HAND SIGNALS.</u>

TIME OF ACTIVITY BY ITEM #

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

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

ORGANIZE & TALLY CASING, PREP TOOLS FOR CASING
HOUSEKEEPING.

[Signature]
Employee's Signature

2/21/12
Date

Client Signature

PAYROLL

Date

Supervisor's Signature

Date



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT **FPL**DATE **2/22/12**
WED Day

JOB # _____

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

JOBSITE LOCATION _____

PERSONNEL EMPLOYED TODAY

L-2012-087 Enclosure 3 Page 19 of 45

EQUIPMENT DEPLOYED TODAY

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	Michael A. Ramirez	X			
SW	Juan Nieto	X			
DR	James McDunell	X			
OFF	Justin Yeomans	X			
ASS	AKMAL BURKHANOV	X			

Description	Unit #	Status
FDW-200	28605	W/C
1989 MACK DUMP	18000	9/B
TRUCK		

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

Item #	Cost Code	Labor Activity	Hours
1	1000	Short Duration Job	
2	1100	Onsite Mob/Demob	
3	1150	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	Wipe 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 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	Install Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Washing	
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	Installation and Ch of national	
37	19050	Wipe Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19500	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	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	Safety Meetings
	1) Spill Reporting Control Procedures
	2) ARC WELDING SAFETY
	PPE, Hand tool safety, eye protection, slip-trip-fall
	Ladder safety,

TIME OF ACTIVITY BY ITEM #

From	To	Order One	Item #
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Waiting on orders, Helped Welder Make up 24" BHA Packer for casing Run. Helped Welder. Tally casing with engineer. Change out Jan Rig Dies.

Installer's Signature

2/22/12

Date

Client's Signature

PAYROLL

Supervisor's Signature

Date



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL

DATE

2/23/12

JOB #

11771.1405.10000

JOB SITE NAME

EW-1

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

WED. NIGHT

JOB SITE LOCATION

T.O.P.

L-2012-087 Enclosure 3 Page 20 of 45

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	DANNY KEENEY	X	12		12
GH	GEORGE HAGA	X	12		12
JR	JUAN NINO	X	12		12
AP	ANDREY POPOV	X	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
FDW-200	ZB605	WK
1989 MACK	18000	SB
DUMP TRUCK		

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	12000	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Fracturing - 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	Wellbore Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Install Well Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Wellbore Abandonment/Cement Plugs	
24	13350	Sealing	
25	13400	Under Ramping	
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	Drilling and Completion	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Missing or 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 MEETINGS:
	#1 LAYING DOWN COLLARS
	#2 LAYING DOWN DRILL PIPE / TEAMWORK
	PPE, LOADER SAFETY, TORCH SAFETY
	PINCH POINTS

TIME OF ACTIVITY BY ITEM

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

BREAK & LAY DOWN COLLARS
BREAK & LAY DOWN DRILL PIPE

Driller's Signature

Date

2/23/12

Client's Signature

DAYROL

Date

Supervisor's Signature

Date

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



**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	
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	
8/11/2011	1059	9.25	-0.37	73,900	29,500	57,150	29.6	
8/18/2011	1039	9.45	-0.57	71,900	29,400	54,850	30.0	
8/25/2011	1039	9.45	-0.57	69,800	31,300	55,550	29.7	
9/1/2011	1109	9.15	-0.27	71,700	29,500	56,300	29.9	
9/8/2011	1049	9.15	-0.27	70,700	31,400	49,800	30.3	
9/16/2011	1233	9.30	-0.42	5320*	1260*	2668*	27.8	
9/23/2011	1129	9.10	-0.22	72,900	31,200	52,750	30.1	
9/29/2011	1330	9.16	-0.28	11,500*	3,200*	7,010*	27.8	
10/6/2011	1119	9.30	-0.42	72,600	30,000	56,200	30.1	
10/13/2011	1058	10.15	-1.27	75,200	32,500	51,600	30.1	
10/20/2011	1049	8.40	0.48	68,400	29,100	57,450	29.9	
10/27/2011	1109	8.95	-0.07	80,200	27,700	54,950	30.0	
11/3/2011	1049	8.91	-0.03	80,200	31,100	55,700	29.9	
11/10/2011	0958	9.67	-0.79	75,500	28,700	59,600	30.0	
11/17/2011	1058	10.81	-1.93	68,400	34,900	57,500	30.1	
11/25/2011	0939	9.51	-0.63	69,300	26,500	52,750	30.0	
12/1/2011	1138	9.67	-0.79	66,000	29,800	55,200	29.8	
12/8/2011	1058	10.31	-1.43	63,800	30,100	57,050	27.5	
12/15/2011	1109	9.61	-0.73	75,400	28,300	53,700	30.0	
12/22/2011	1038	9.67	-0.79	69,300	29,500	51,800	30.7	
12/29/2011	0918	9.87	-0.99	76,900	30,800	51,300	29.7	
1/5/2012	1118	10.41	-1.53	70,400	28,100	52,200	29.5	
1/12/2012	1058	10.21	-1.33	75,200	28,200	50,900	29.9	
1/19/2012	0958	10.30	-1.42	75,200	27,700	49,300	29.8	
1/26/2012	1048	10.22	-1.34	72,300	29,400	55,300	30.0	
2/2/2012	1048	10.21	-1.33	71,300	28,400	50,700	29.9	
2/10/2012	1029	9.15	-0.27	71,400	30,400	52,400	30.0	
2/16/2012	1219	9.47	-0.59	72,300	27,000	53,300	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

*Results appear to be anomalous and are suspected to be related to a sampling error. Countermeasures to prevent reoccurrence have been implemented.
Note: TOC elevation is: 8.88 feet NAVD 88

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



**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	
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	31,500	53,000	27.7	
8/11/2011	1209	9.37	-0.78	77,400	30,000	56,800	29.7	
8/18/2011	1149	9.45	-0.86	74,100	30,100	55,500	30.0	
8/25/2011	1149	9.38	-0.79	73,300	31,200	57,450	29.6	
9/1/2011	1224	9.10	-0.51	72,700	30,700	57,300	29.8	
9/8/2011	1159	9.21	-0.62	73,200	32,200	51,800	30.1	
9/16/2011	1303	9.40	-0.81	70,280	29,600	50,550	27.7	
9/23/2011	1239	9.20	-0.61	75,200	29,000	55,550	29.8	
9/29/2011	1300	9.10	-0.51	68,500	30,700	53,600	27.4	
10/6/2011	1229	9.25	-0.66	79,100	31,300	54,050	30.0	
10/13/2011	1209	9.95	-1.36	76,900	30,200	52,250	30.1	
10/20/2011	1200	8.60	-0.01	69,900	28,000	57,150	29.8	
10/27/2011	1218	8.81	-0.22	82,400	28,000	56,500	30.0	
11/3/2011	1159	9.56	-0.97	82,900	31,000	56,400	30.1	
11/10/2011	1109	9.96	-1.37	78,300	27,900	60,500	30.1	
11/17/2011	1208	10.90	-2.31	69,700	34,000	57,800	30.2	
11/25/2011	1049	9.36	-0.77	69,900	26,900	53,600	30.0	
12/1/2011	1248	10.85	-2.26	71,800	33,900	57,000	30.2	
12/8/2011	1209	9.87	-1.28	68,900	29,500	61,500	27.0	
12/15/2011	1219	9.53	-0.94	76,600	28,000	55,100	30.1	
12/22/2011	1149	9.65	-1.06	72,300	29,000	52,400	30.0	
12/29/2011	1029	9.96	-1.37	77,600	29,800	52,200	30.1	
1/5/2012	1229	10.31	-1.72	72,800	27,700	53,400	30.1	
1/12/2012	1204	10.10	-1.51	76,000	30,800	52,900	30.1	
1/19/2012	1139	10.38	-1.79	76,500	28,100	50,800	30.0	
1/26/2012	1229	10.18	-1.59	73,200	29,900	56,300	30.1	
2/2/2012	1229	10.23	-1.64	72,400	27,900	52,000	30.1	
2/10/2012	1209	9.21	-0.62	72,000	29,800	55,400	30.2	
2/16/2012	1359	9.45	-0.86	72,700	27,700	57,200	30.2	

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

**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	
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	
8/11/2011	1134	9.61	-0.77	77,600	31,100	58,150	30.4	
8/18/2011	1114	9.68	-0.84	73,100	30,000	55,350	30.6	
8/25/2011	1114	9.61	-0.77	72,300	31,800	56,950	30.0	
9/1/2011	1149	9.33	-0.49	71,900	29,300	56,000	30.4	
9/8/2011	1124	9.45	-0.61	73,800	30,100	52,300	30.5	
9/16/2011	1203	9.60	-0.76	67,200	23,400	51,650	28.2	
9/23/2011	1204	9.43	-0.59	73,800	30,800	54,450	30.4	
9/29/2011	1205	9.35	-0.51	68,700	27,500	50,800	27.6	
10/6/2011	1154	9.50	-0.66	78,400	30,000	56,550	30.2	
10/13/2011	1133	10.21	-1.37	75,800	29,300	50,500	30.2	
10/20/2011	1124	8.81	0.03	70,200	27,500	56,850	30.1	
10/27/2011	1143	10.39	-1.55	81,500	28,800	54,600	30.2	
11/3/2011	1123	10.50	-1.66	80,500	30,400	55,900	30.1	
11/10/2011	1033	10.37	-1.53	77,800	27,800	58,700	30.1	
11/17/2011	1133	10.71	-1.87	67,900	30,500	57,000	30.3	
11/25/2011	1014	9.58	-0.74	71,700	27,400	53,300	30.2	
12/1/2011	1214	9.80	-0.96	68,500	33,500	53,650	30.1	
12/8/2011	1133	10.37	-1.53	68,700	27,600	57,850	27.7	
12/15/2011	1144	9.75	-0.91	75,500	28,200	52,000	30.0	
12/22/2011	1114	9.87	-1.03	70,600	27,700	52,100	29.9	
12/29/2011	0954	9.97	-1.13	77,700	29,500	51,600	29.9	
1/5/2012	1153	10.52	-1.68	71,800	28,000	52,800	29.6	
1/12/2012	1133	10.35	-1.51	75,400	30,400	51,900	30.0	
1/19/2012	1033	10.42	-1.58	75,600	29,800	50,200	29.9	
1/26/2012	1123	10.35	-1.51	73,200	29,500	56,000	29.9	
2/2/2012	1123	10.35	-1.51	71,100	27,400	51,200	29.9	
2/10/2012	1104	9.38	-0.54	70,300	28,800	54,900	29.8	
2/16/2012	1254	9.67	-0.83	71,100	27,800	55,200	29.8	

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



**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	
8/11/2011	1243	9.21	-0.33	67,800	26,400	51,150	29.7	
8/18/2011	1219	10.15	-1.27	66,300	25,400	47,500	29.8	
8/25/2011	1219	10.31	-1.43	66,000	26,900	50,150	29.4	
9/1/2011	1254	9.87	-0.99	65,400	25,700	49,450	29.8	
9/8/2011	1229	9.97	-1.09	66,800	26,300	46,500	29.9	
9/16/2011	1329	10.10	-1.22	64,000	25,700	46,800	28.0	
9/23/2011	1309	9.95	-1.07	66,200	25,800	47,500	29.6	
9/29/2011	1230	9.80	-0.92	64,100	25,400	46,150	27.7	
10/6/2011	1259	9.97	-1.09	76,200	25,800	45,800	29.7	
10/13/2011	1239	10.67	-1.79	69,100	26,100	46,700	29.8	
10/20/2011	1229	9.31	-0.43	64,700	23,800	51,100	29.6	
10/27/2011	1249	10.87	-1.99	75,600	26,500	50,000	29.7	
11/3/2011	1229	10.93	-2.05	75,600	27,700	49,750	29.7	
11/10/2011	1139	10.91	-2.03	73,500	25,500	53,300	29.7	
11/17/2011	1238	11.41	-2.53	63,800	26,900	50,400	29.7	
11/25/2011	1119	10.05	-1.17	65,800	24,900	48,950	29.7	
12/1/2011	1323	11.42	-2.54	65,900	29,600	51,100	29.6	
12/8/2011	1239	10.98	-2.10	64,900	24,800	52,450	27.3	
12/15/2011	1247	10.27	-1.39	70,100	24,800	49,700	29.4	
12/22/2011	1219	10.27	-1.39	66,800	24,900	45,600	29.7	
12/29/2011	1059	10.67	-1.79	71,100	26,400	46,300	29.5	
1/5/2012	1259	11.03	-2.15	64,800	24,900	47,600	29.3	
1/12/2012	1234	10.87	-1.99	69,000	25,700	47,000	29.6	
1/19/2012	1104	11.00	-2.12	69,100	24,900	44,200	29.4	
1/26/2012	1154	10.85	-1.97	67,500	25,900	50,100	29.4	
2/2/2012	1154	10.97	-2.09	65,300	25,200	46,200	29.5	
2/10/2012	1134	9.91	-1.03	65,300	25,400	48,900	29.6	
2/16/2012	1324	10.15	-1.27	64,600	24,100	50,500	29.4	

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

Pilot Hole			42-Inch Reamed Hole			32-Inch Reamed Hole		
Date	Depth (feet bpl)	Inclination (degrees)	Date	Depth (feet bpl)	Inclination (degrees)	Date	Depth (feet bpl)	Inclination (degrees)
5/13/2011	90	0.2	5/20/2011	90	0.5	1/21/2012	1,950	0.2
5/14/2011	180	0.4	5/24/2011	180	0.4	1/22/2012	2,010	0.5
6/3/2011	270	0.5	6/6/2011	270	0.0	1/22/2012	2,070	0.3
5/29/2011	345	0.3	6/8/2011	360	0.1	1/31/2012	2,130	0.5
5/29/2011	435	0.4	6/9/2011	450	0.2	1/31/2012	2,190	0.5
5/30/2011	524	0.4	6/10/2011	540	0.3	1/31/2012	2,250	0.3
5/30/2011	614	0.0	6/12/2011	630	0.5	2/1/2012	2,310	0.3
5/31/2011	704	0.2	6/14/2011	720	0.4	2/1/2012	2,370	0.2
5/31/2011	794	0.3	6/15/2011	810	0.4	2/1/2012	2,430	0.4
5/31/2011	884	0.3	6/16/2011	900	0.3	2/1/2012	2,490	0.4
6/1/2011	974	0.5	6/18/2011	990	0.4	2/1/2012	2,550	0.1
6/1/2011	1,064	0.5	7/23/2011	1,080	0.1	2/1/2012	2,610	0.4
7/1/2011	1,154	0.6	7/25/2011	1,170	0.4	2/2/2012	2,670	0.2
7/1/2011	1,244	0.3	7/26/2011	1,260	0.5	2/2/2012	2,730	0.0
7/1/2011	1,334	0.4	7/27/2011	1,350	0.2	2/2/2012	2,790	0.0
7/2/2011	1,424	0.4	7/29/2011	1,440	0.3	2/4/2012	2,850	0.3
7/2/2011	1,514	0.5	8/10/2011	1,530	0.5	2/6/2012	2,910	0.1
7/3/2011	1,604	0.5	28-Inch Reamed Hole			2/7/2012	2,970	0.3
8/13/2011	1,664	0.1				2/17/2012	3,030	0.3
8/15/2011	1,724	0.0	12/7/2011	1,590	0.5	2/17/2012	3,090	0.4
8/15/2011	1,784	0.1	12/8/2011	1,650	0.5	2/17/2012	3,150	0.5
8/16/2011	1,844	0.4	12/9/2011	1,710	0.5	2/17/2012	3,210	0.5
8/16/2011	1,904	0.4	12/10/2011	1,770	0.5			
8/17/2011	1,964	0.1	12/11/2011	1,830	0.5			
8/19/2011	2,024	0.3	12/13/2011	1,890	0.3			
8/19/2011	2,084	0.5	12/29/2011	1,950	0.5			
8/20/2011	2,144	0.2	1/2/2012	2,010	0.4			
8/20/2011	2,204	0.0	1/2/2012	2,070	0.3			
8/22/2011	2,264	0.0	1/3/2012	2,130	0.5			
8/25/2011	2,324	0.1	1/4/2012	2,190	0.4			
8/25/2011	2,384	0.1	1/5/2012	2,250	0.3			
8/26/2011	2,444	0.2	1/10/2012	2,310	0.0			
8/26/2011	2,504	0.0	1/11/2012	2,370	0.3			
8/29/2011	2,564	0.4	1/11/2012	2,430	0.1			
8/31/2011	2,624	0.3	1/12/2012	2,490	0.3			
9/4/2011	2,684	0.4	1/12/2012	2,550	0.4			
9/4/2011	2,744	0.4	1/13/2012	2,610	0.4			
9/4/2011	2,804	0.3	1/13/2012	2,670	0.3			
9/5/2011	2,864	0.4	1/13/2012	2,730	0.3			
9/5/2011	2,924	0.3	1/14/2012	2,790	0.4			
9/5/2011	2,984	0.4	1/14/2012	2,850	0.3			
9/6/2011	3,044	0.1						
9/6/2011	3,104	0.5						
9/7/2011	3,164	0.4						

bpl = below pad level



X-Y CALIPER GAMMA RAY LOG

Proposed Turkey Point Units 6 and 7
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Country USA

Company **FP&L**
Well **TURKEY POINT EW-1**
Field **FLORIDA CITY**
County **MIAMI-DADE**
State **FLORIDA** Country **USA**

Company **FP&L**
Well **TURKEY POINT EW-1**
Field **FLORIDA CITY**
County **MIAMI-DADE**
State **FLORIDA**

Location: **FPL TURKEY POINT POWER PLANT**
MCNABB HYDROGEOLOGIC CONSULTING, INC.
LAT: 25 25' 19" N LONG: 80 20' 08" W
SEC TWP RGE

Other Services
NONE

Permanent Datum **PAD LEVEL** Elevation
Log Measured From **PAD LEVEL**
Drilling Measured From **PAD LEVEL**

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

Date	21-FEB-2012
Run Number	FOURTEEN
Depth Driller	3230'
Depth Logger	3232'
Bottom Logged Interval	3232'
Top Log Interval	CASING
Open Hole Size	32"
Type Fluid	WATER
Density / Viscosity	NA
Max. Recorded Temp.	NA
Estimated Cement Top	NA
Time Well Ready	0800
Time Logger on Bottom	0830
Equipment Number	GEO1
Location	FT. MYERS
Recorded By	J. CATHEY
Witnessed By	M. CLASEN

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
	32.5"	CASING	2978'				
	24"	2978'	2980'				
	22"	2980'	3230'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String	34"	.375" W.T.	SURFACE	1535'
Production String				
Liner				

^^^ Here For ^^^

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

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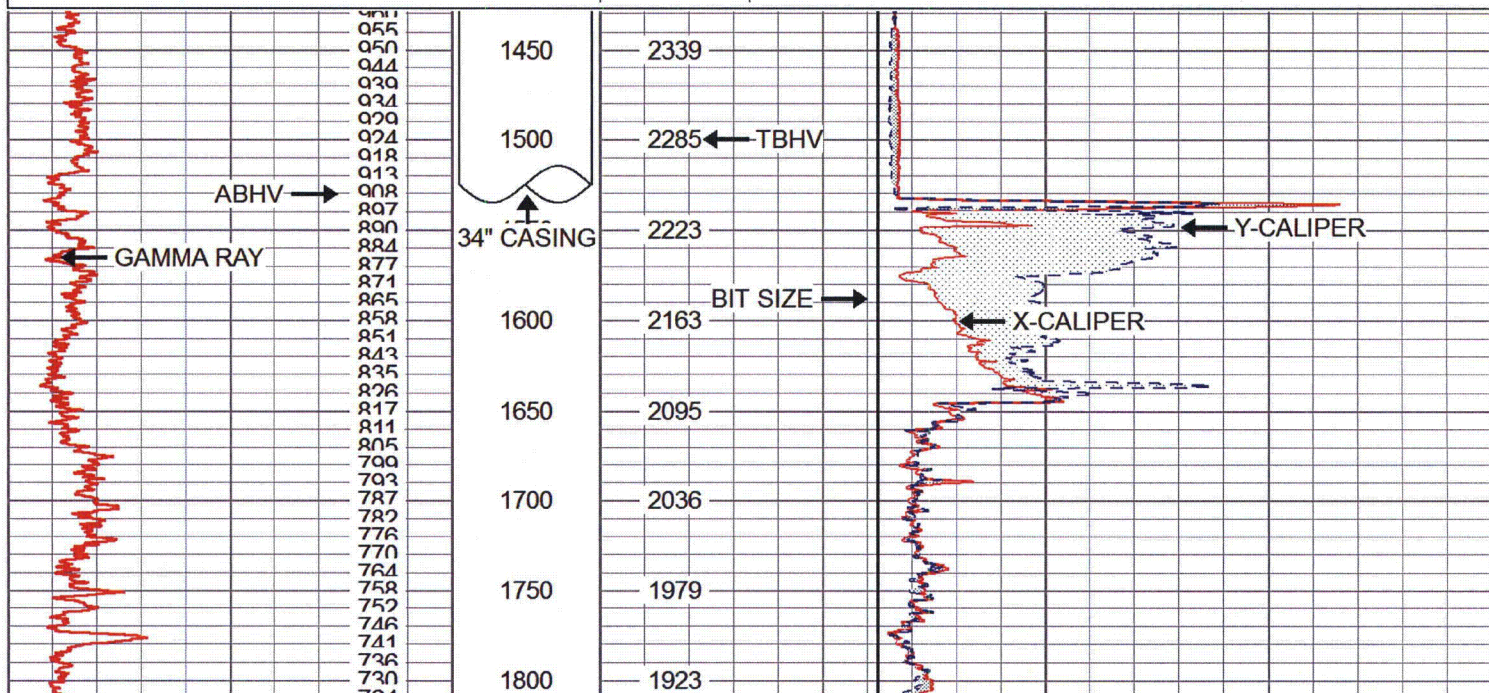
BOREHOLE VOLUME IN BARRELS
 CALCULATED FOR 24" CASING

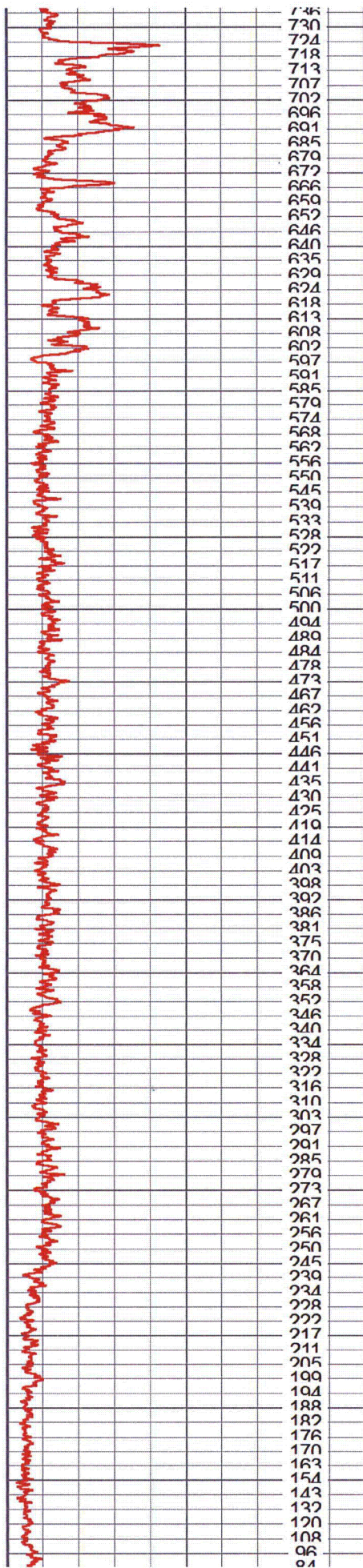


MAIN PASS

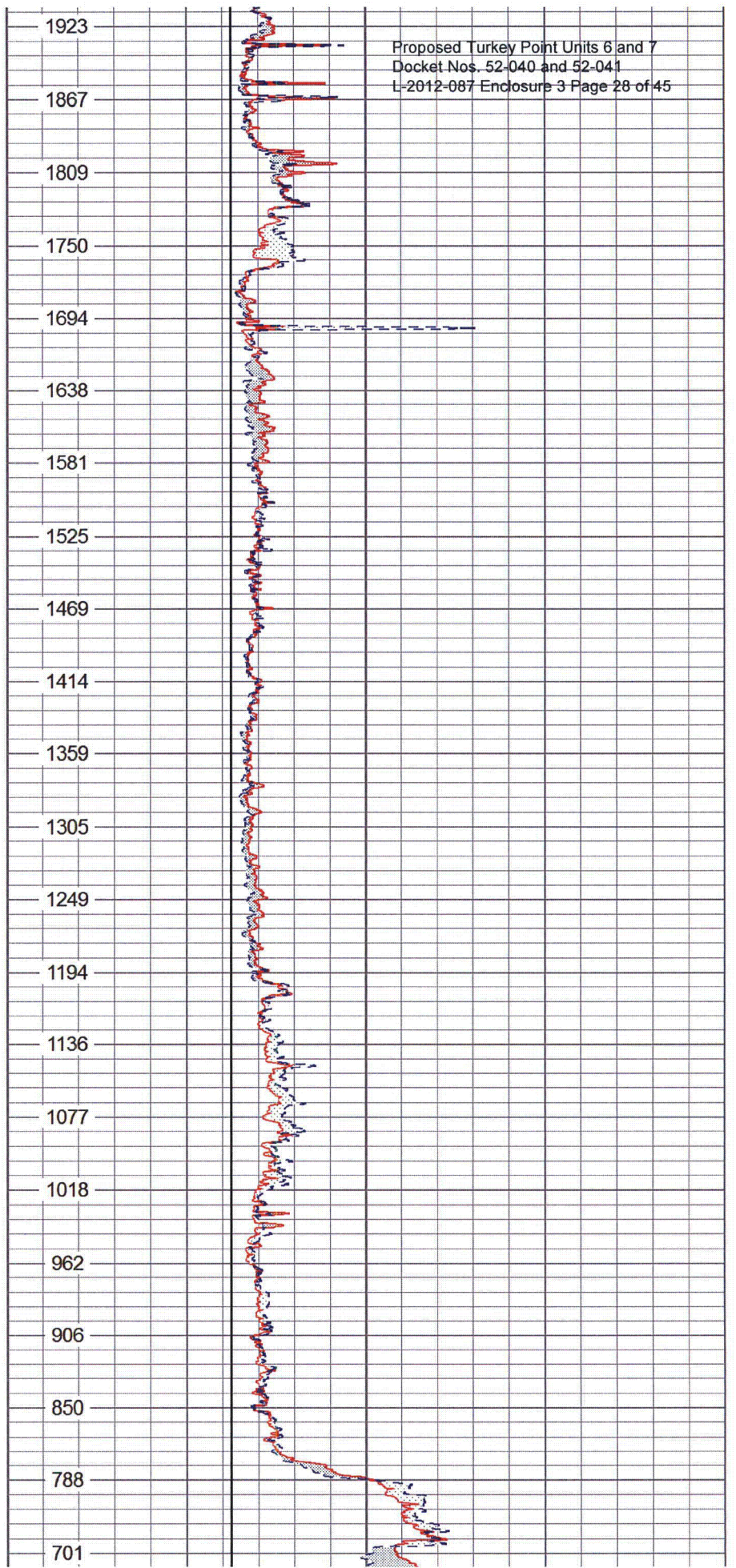
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 Charted by: Depth in Feet scaled 1:1200

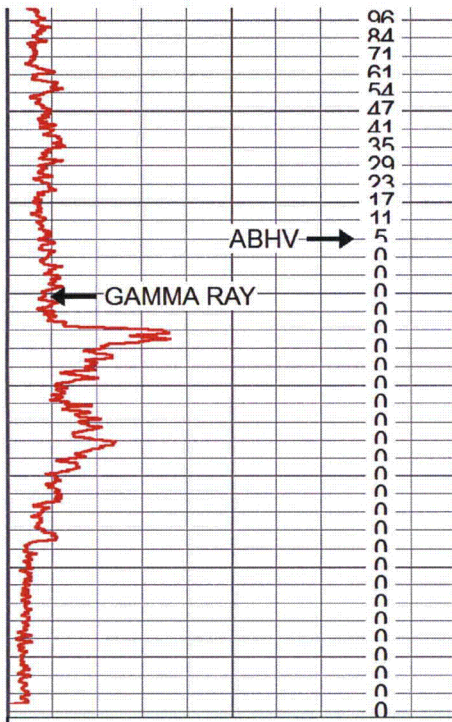
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	ABHV (bbl)		20	Y-CALIPER (in)	60
			20	BIT SIZE (in)	60
			TBHV (bbl)		



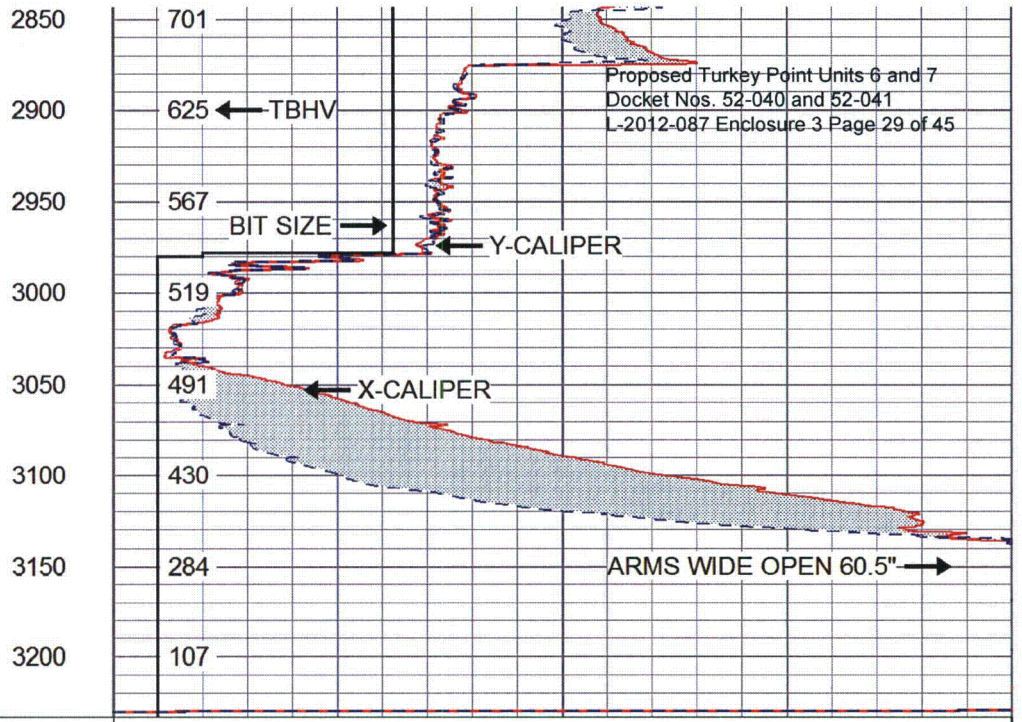


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2850





0	GAMMA RAY (GAPI)	100
	ABHV (bbl)	



20	X-CALIPER (in)	60
20	Y-CALIPER (in)	60
20	BIT SIZE (in)	60

TBHV (bbl)



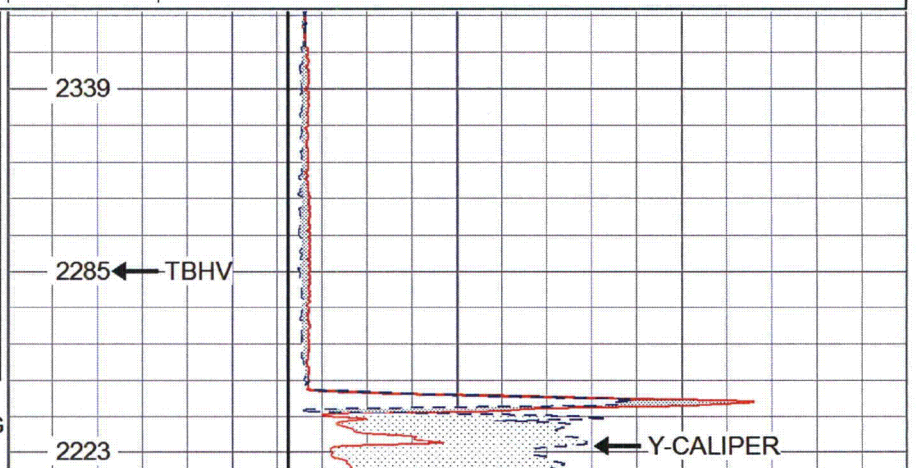
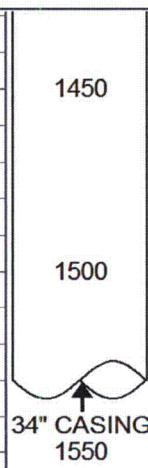
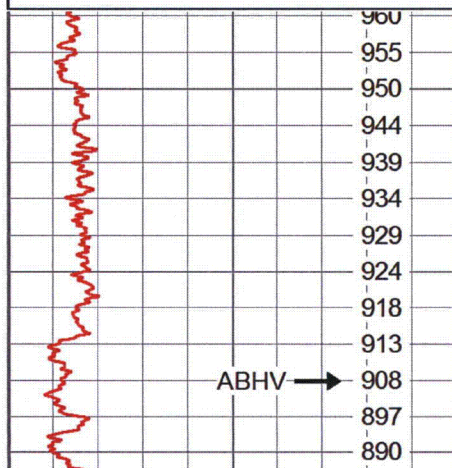
MAIN PASS

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 Charted by: Depth in Feet scaled 1:600

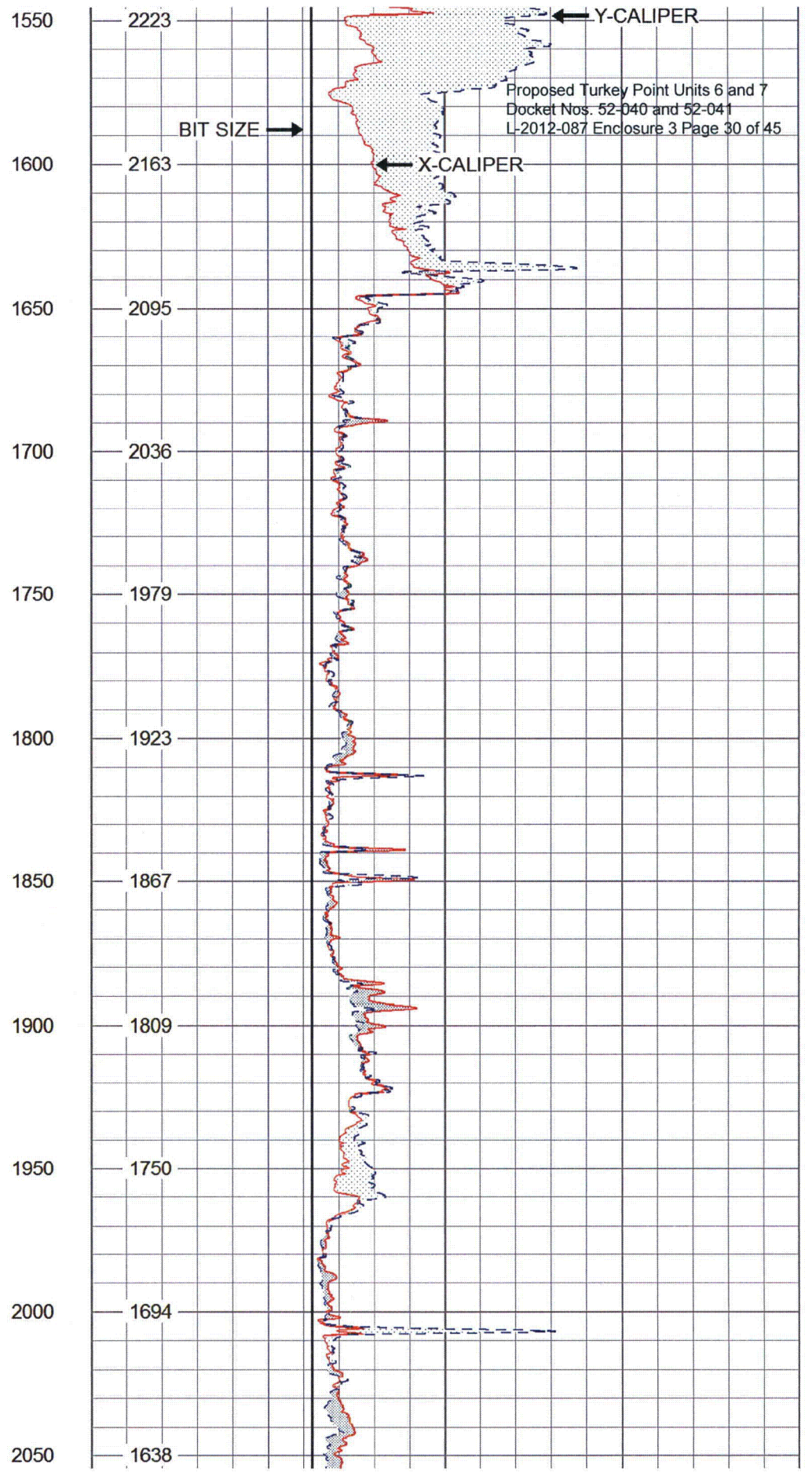
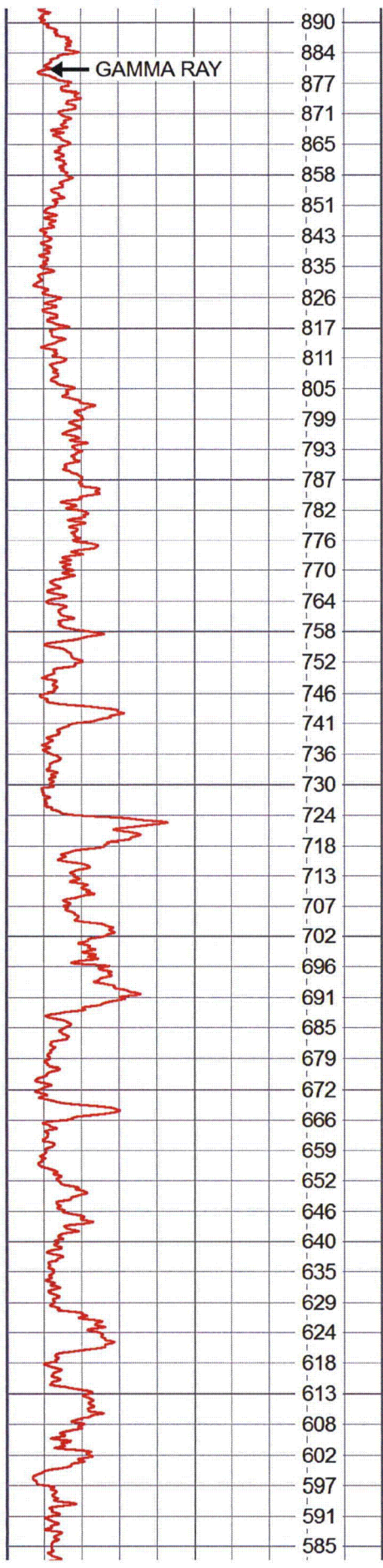
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	ABHV (bbl)	

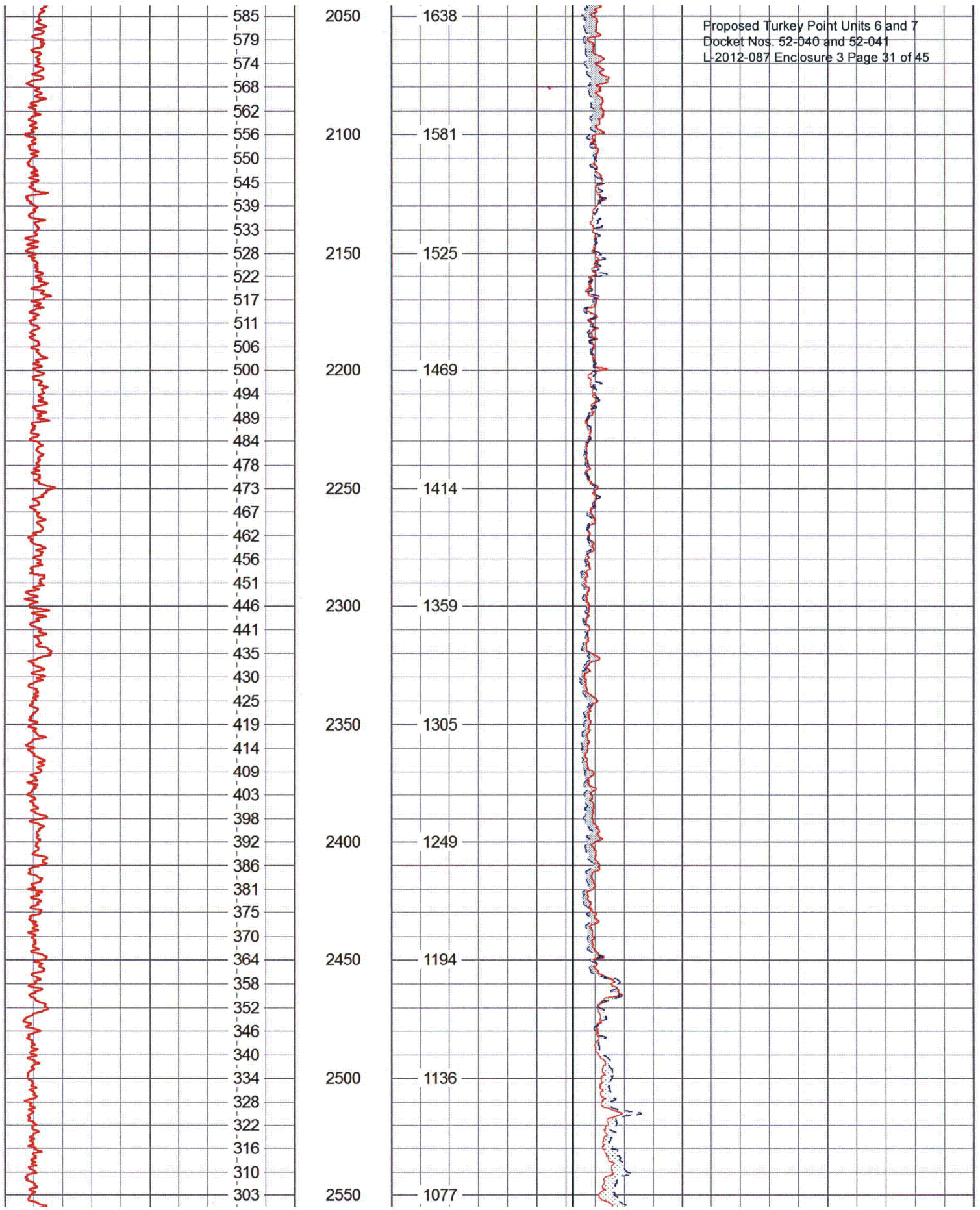
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20	Y-CALIPER (in)	60
20	BIT SIZE (in)	60

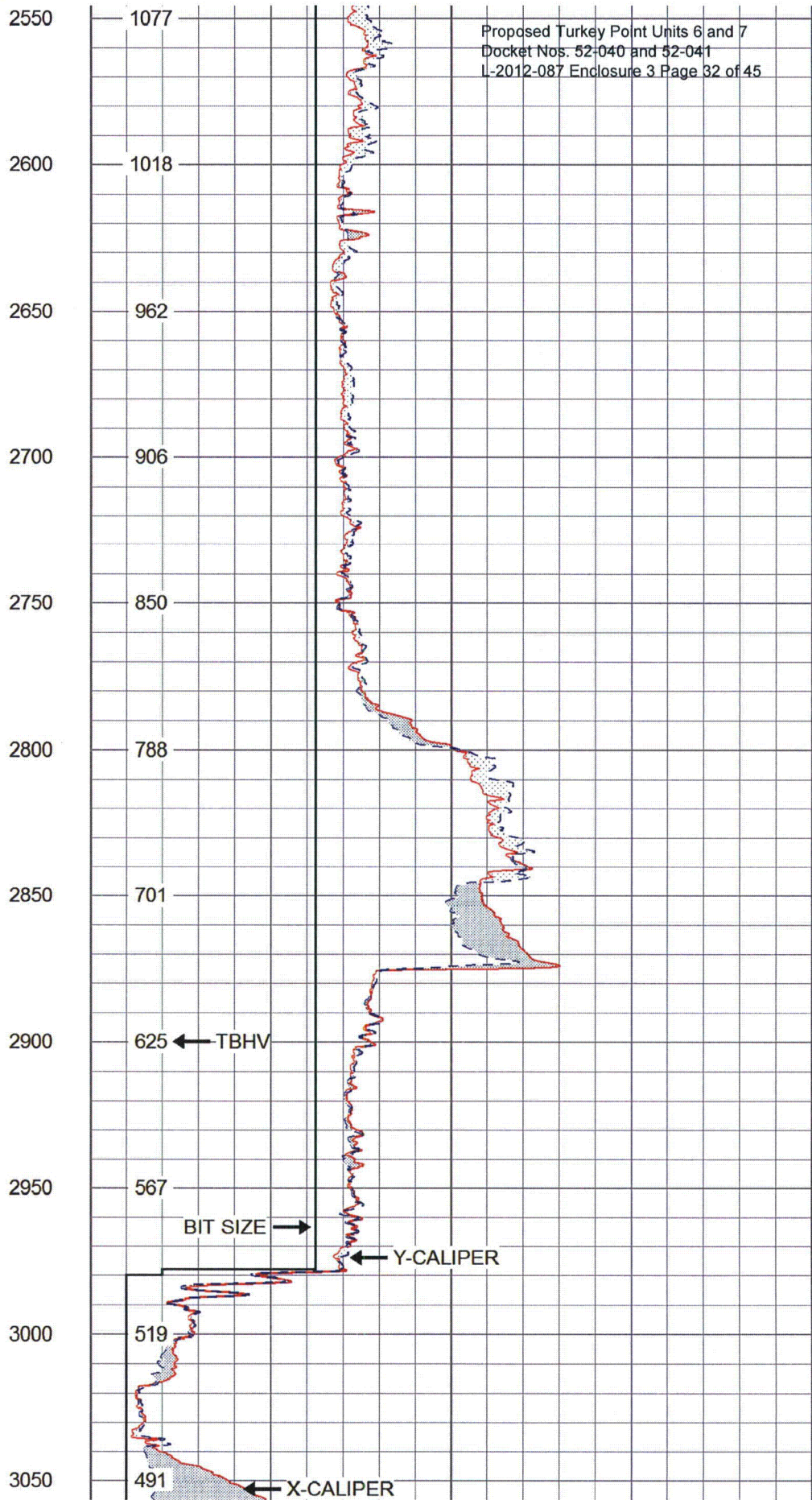
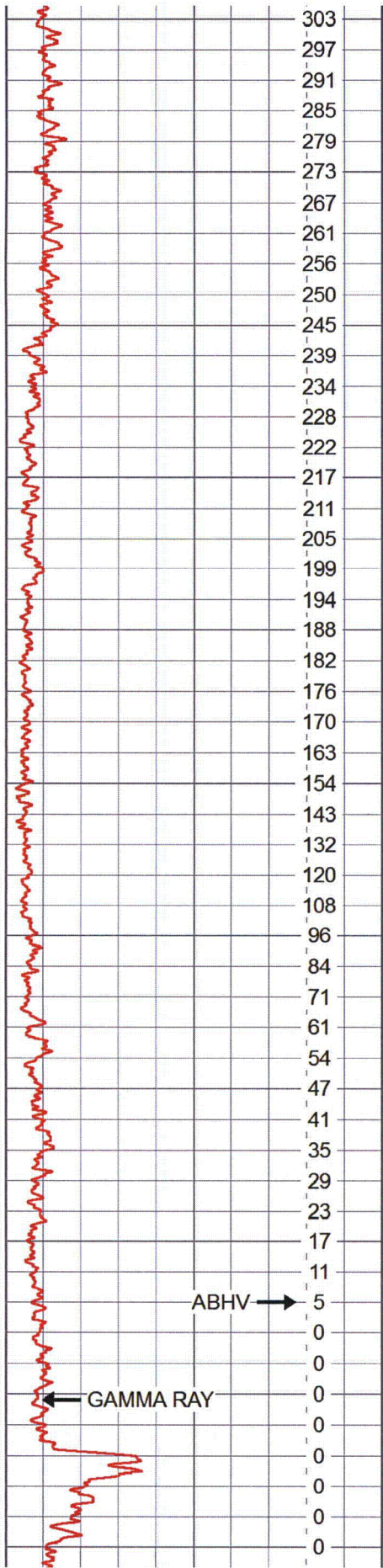
TBHV (bbl)

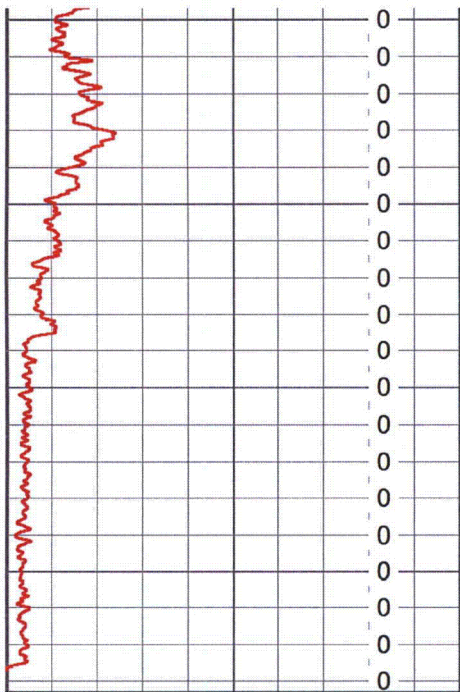


TBHV (bbl)



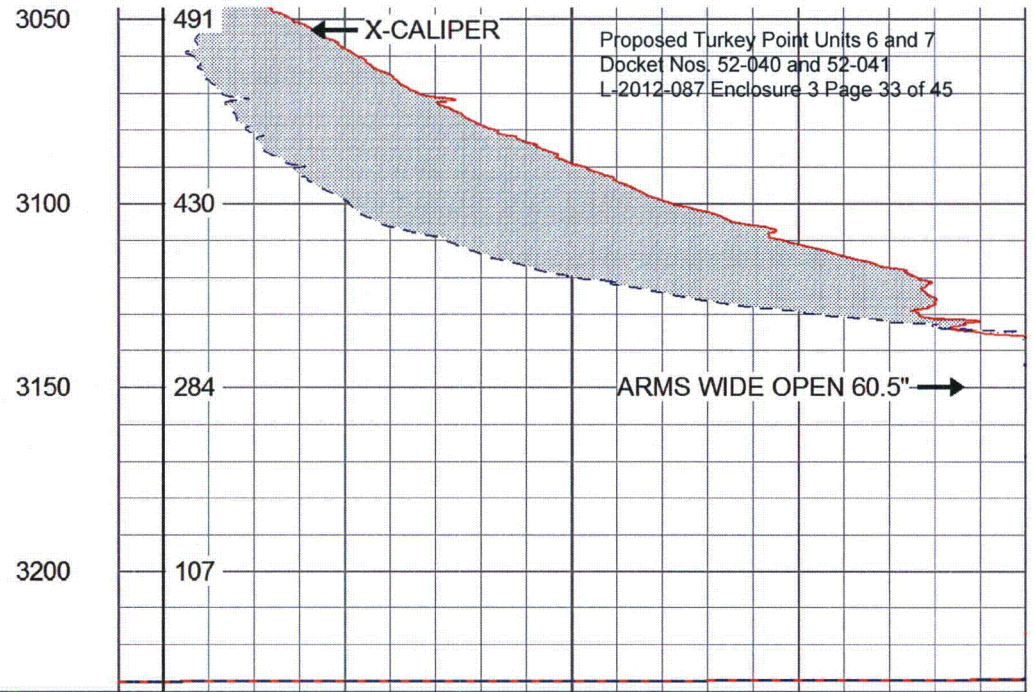






0 GAMMA RAY (GAPI) 100

ABHV (bbl)



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20 X-CALIPER (in) 60

20 Y-CALIPER (in) 60

20 BIT SIZE (in) 60

TBHV (bbl)



MAIN PASS

Database File: fp&lew1.db
 Dataset Pathname: run14/XYCM
 Presentation Format: xycream
 Dataset Creation: Tue Feb 21 12:24:21 2012 by Calc SOC 111108
 Charted by: Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 100

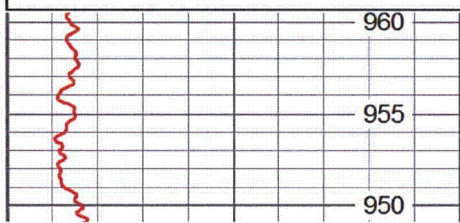
ABHV (bbl)

20 X-CALIPER (in) 60

20 Y-CALIPER (in) 60

20 BIT SIZE (in) 60

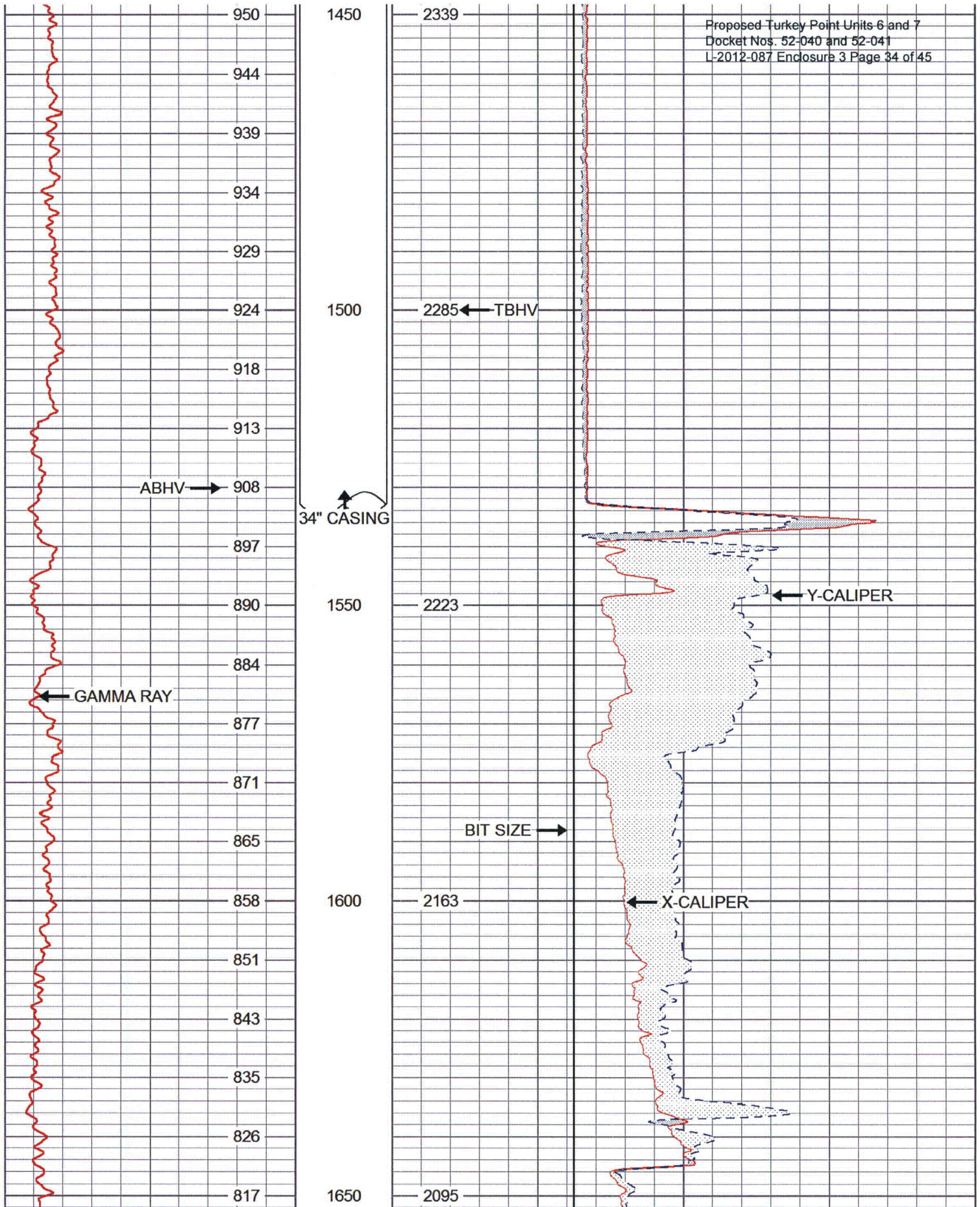
TBHV (bbl)

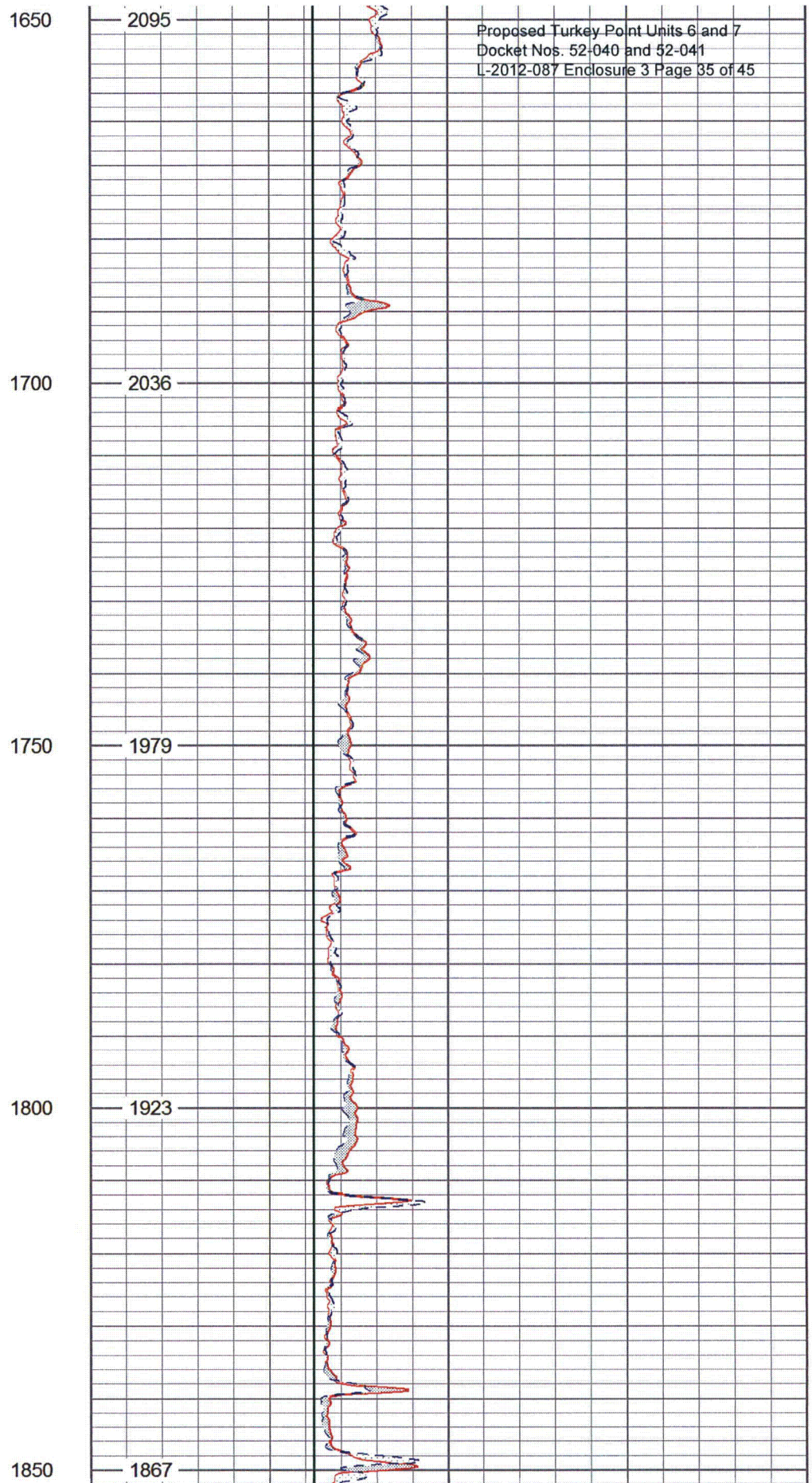
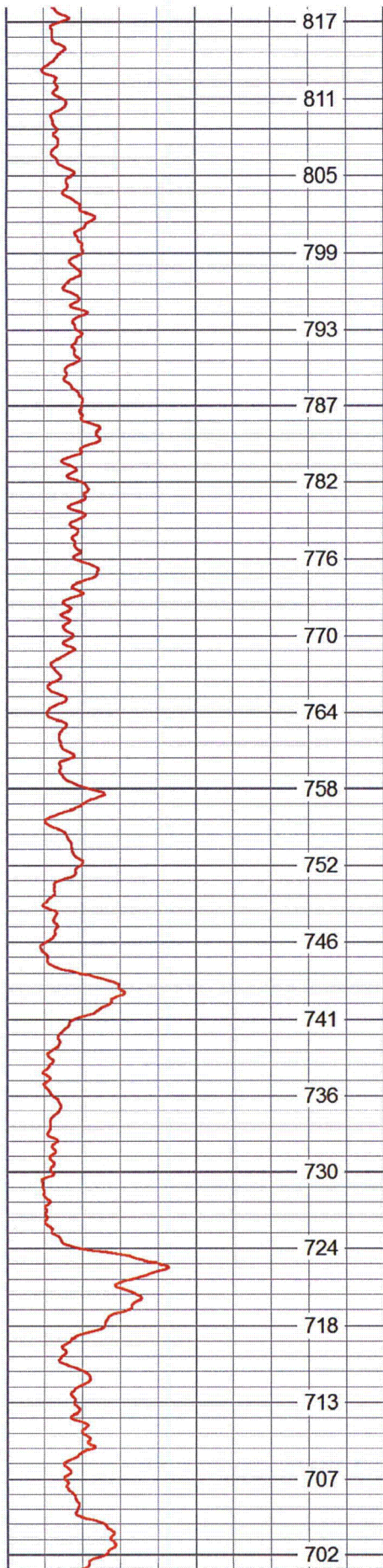


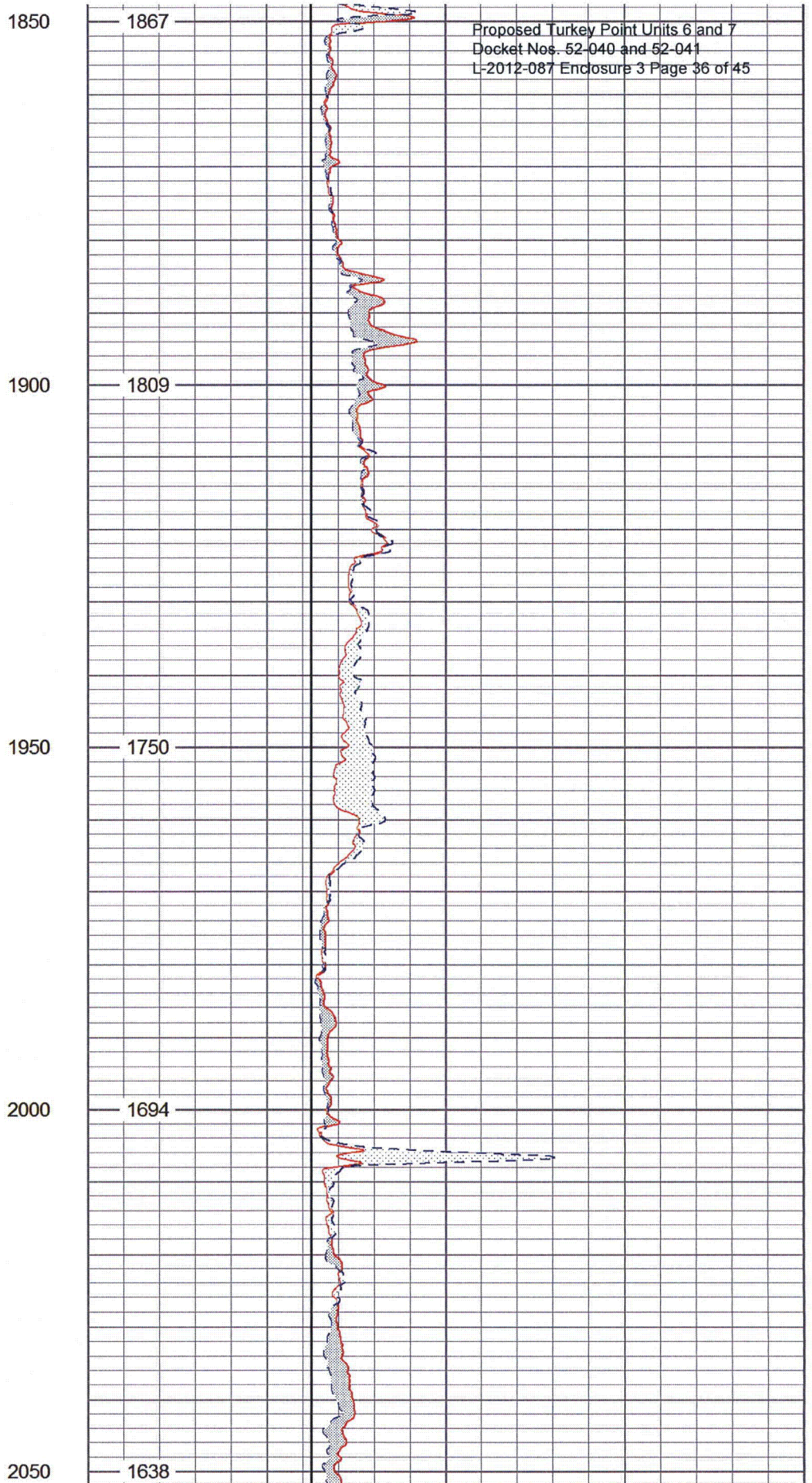
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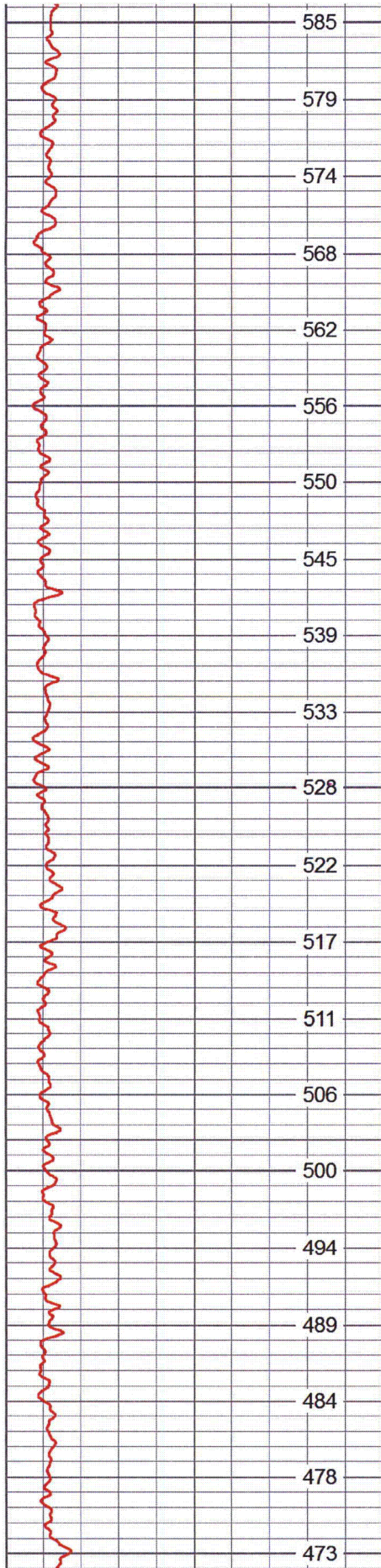


2339









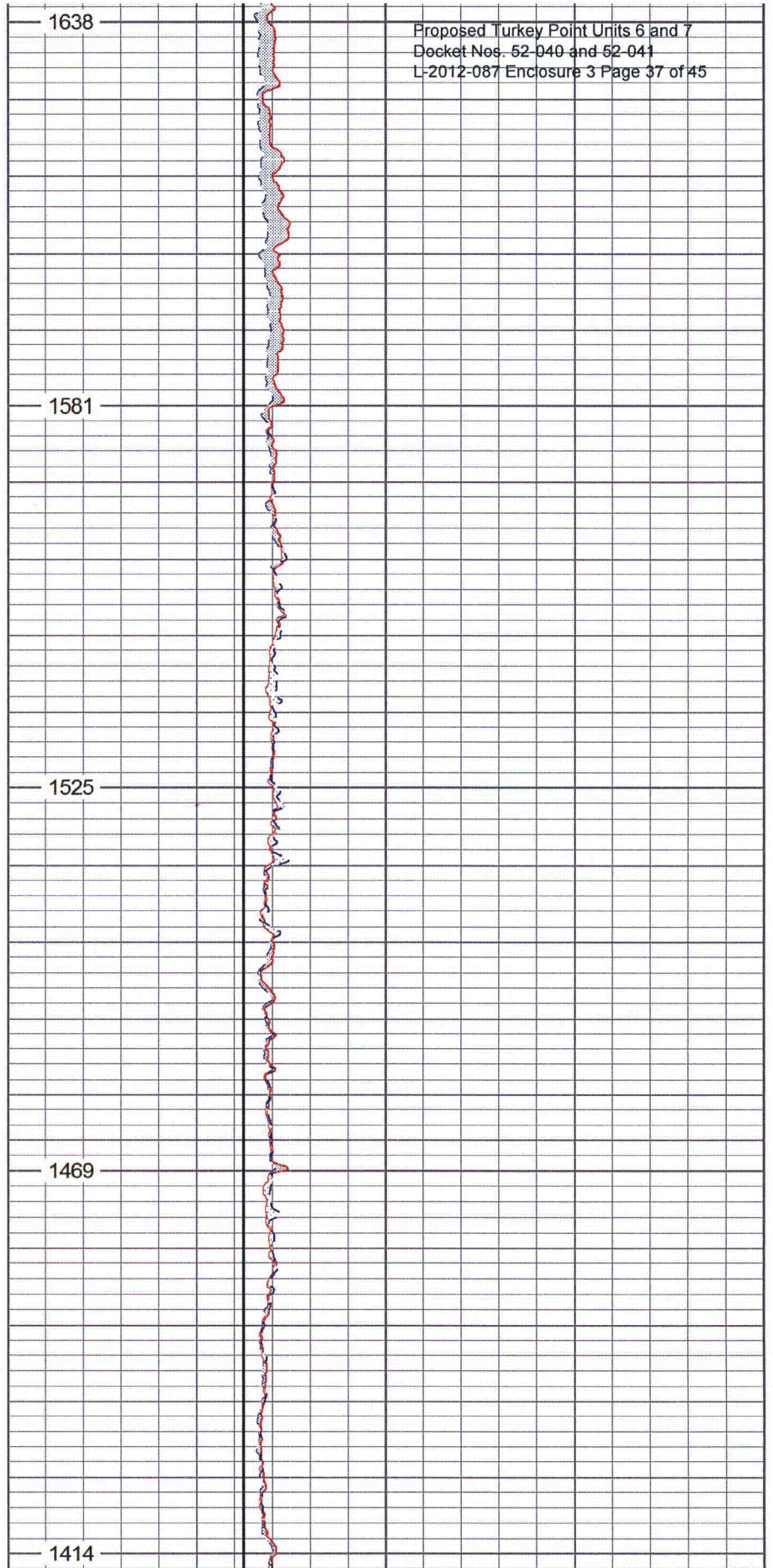
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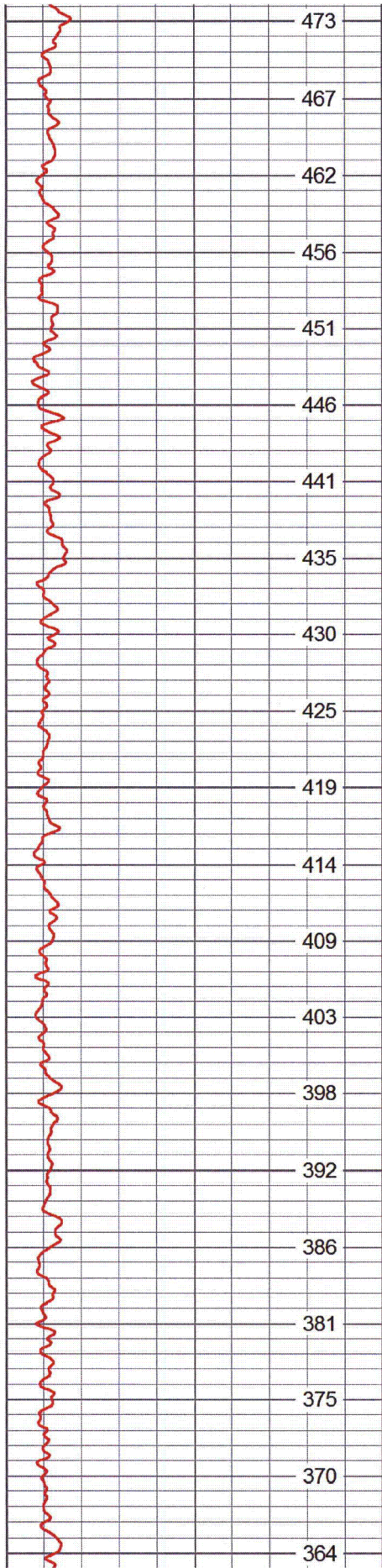
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2200

2250



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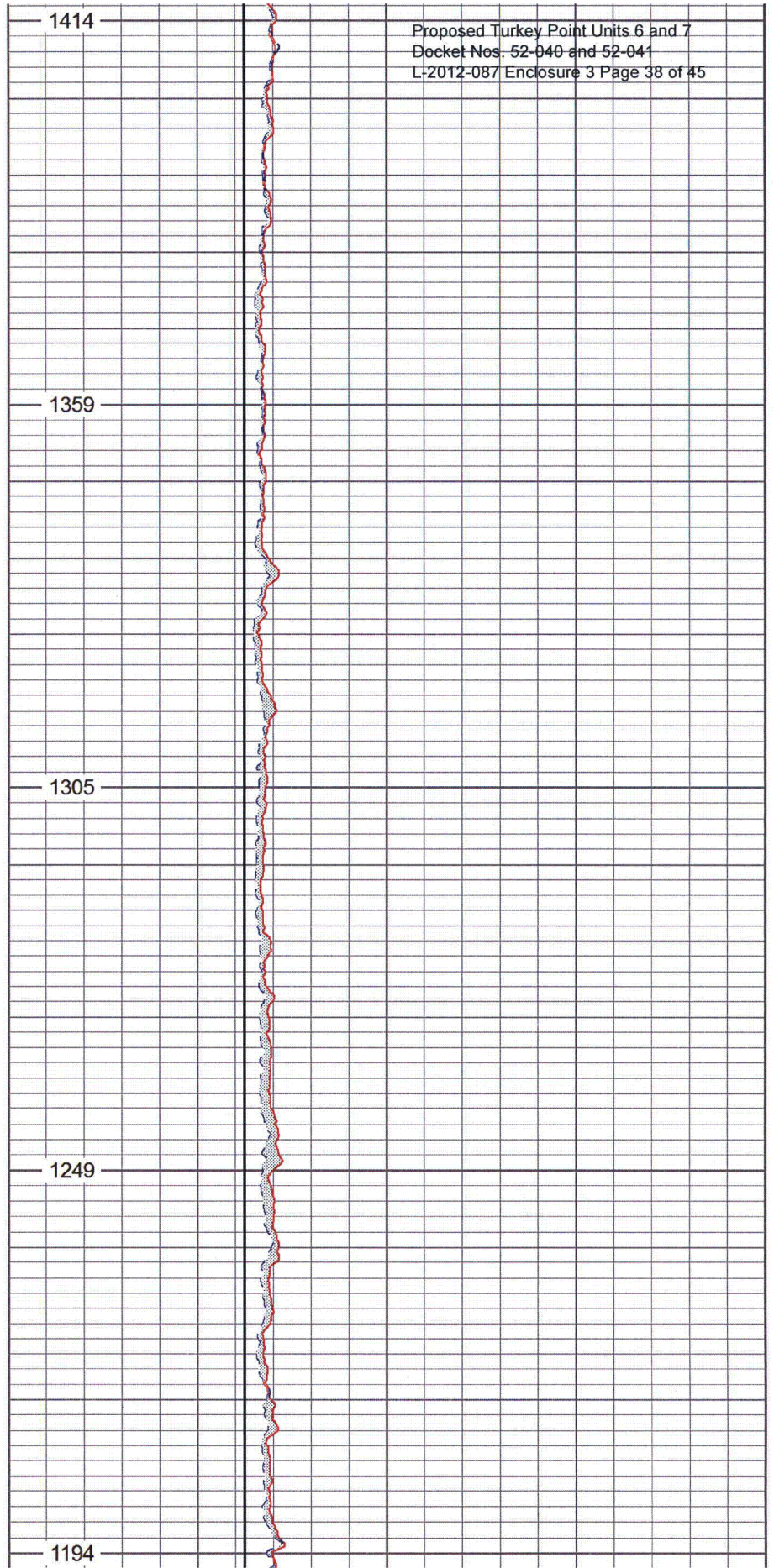
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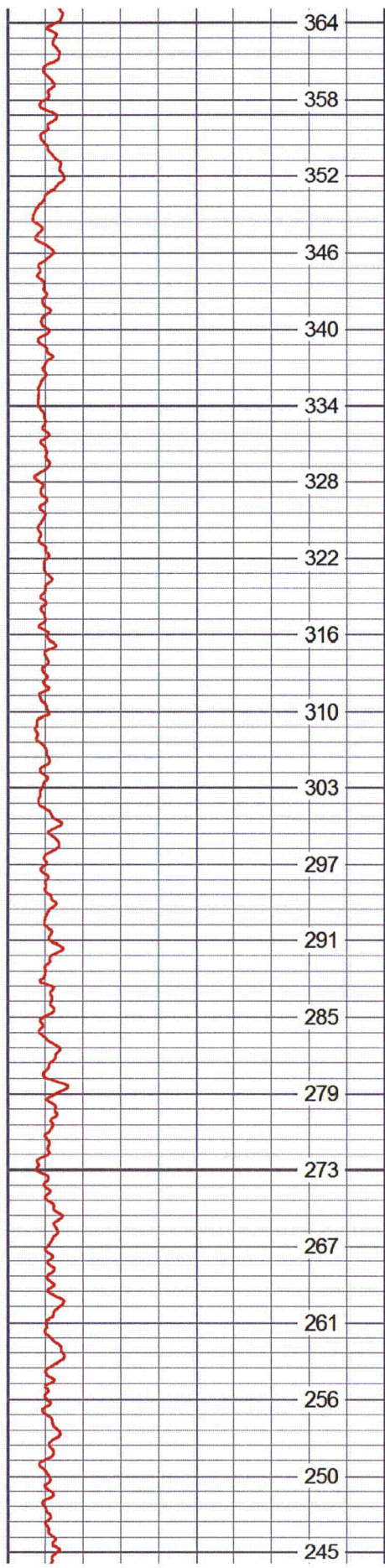
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2350

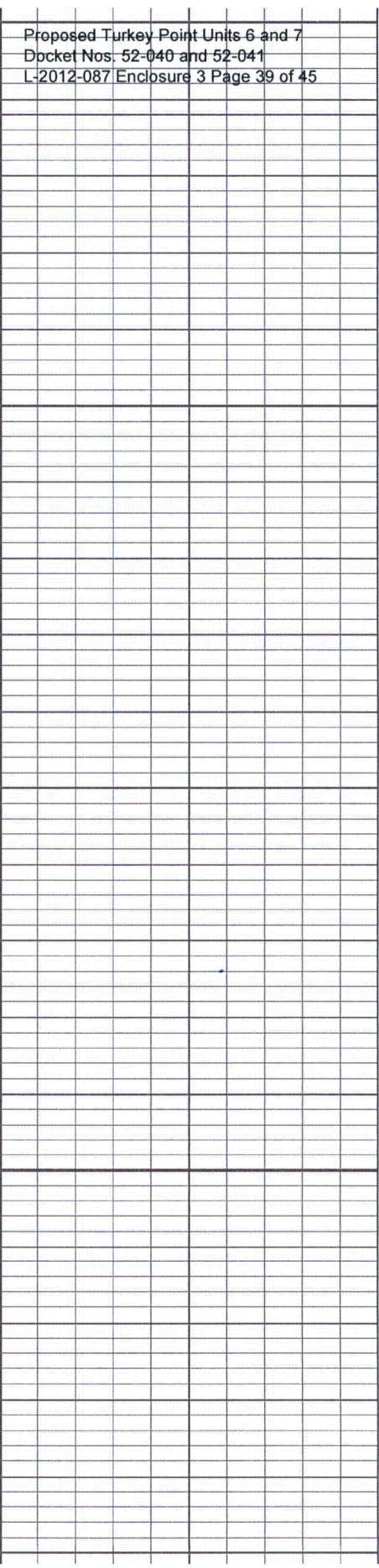
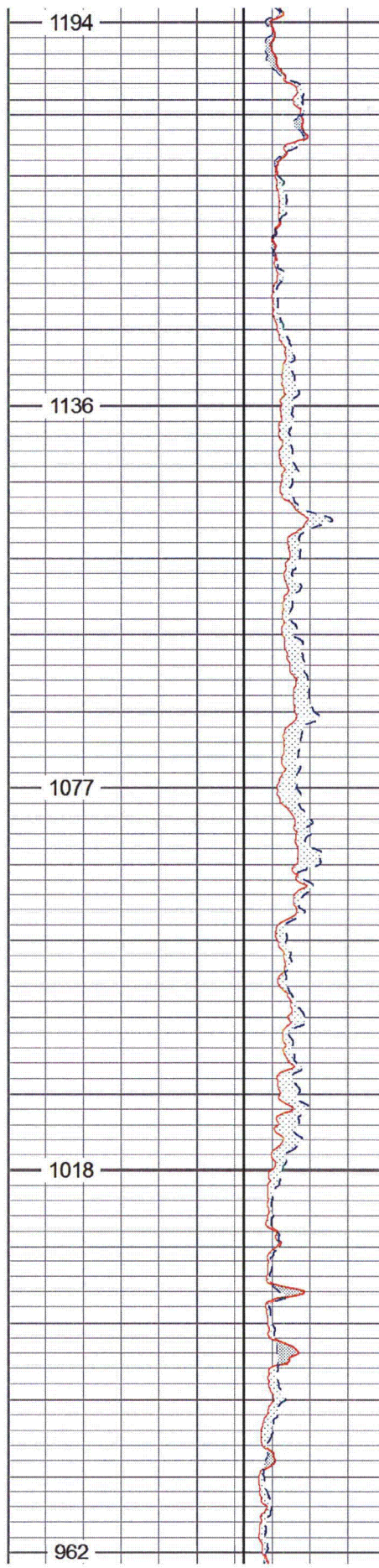
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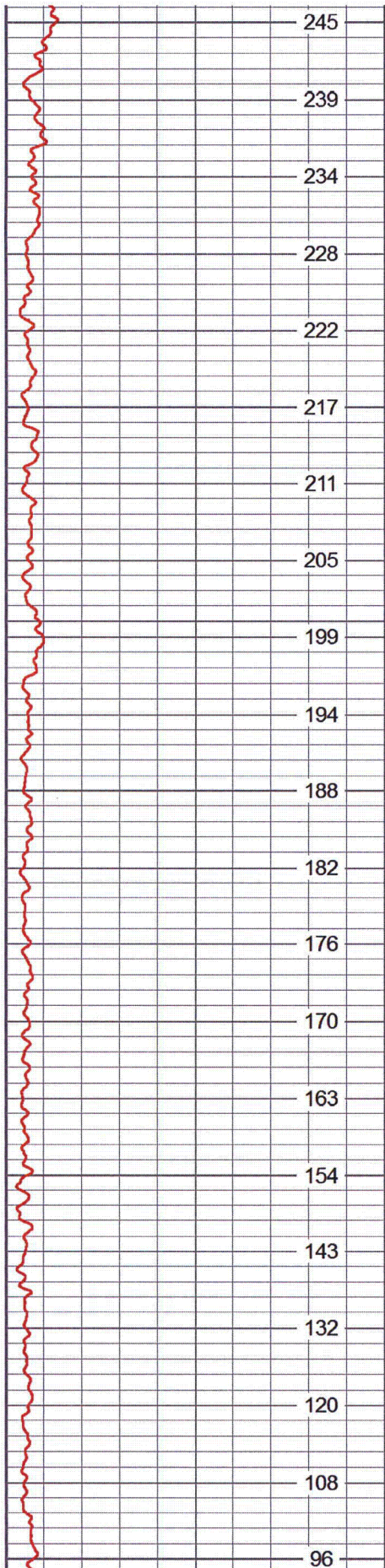
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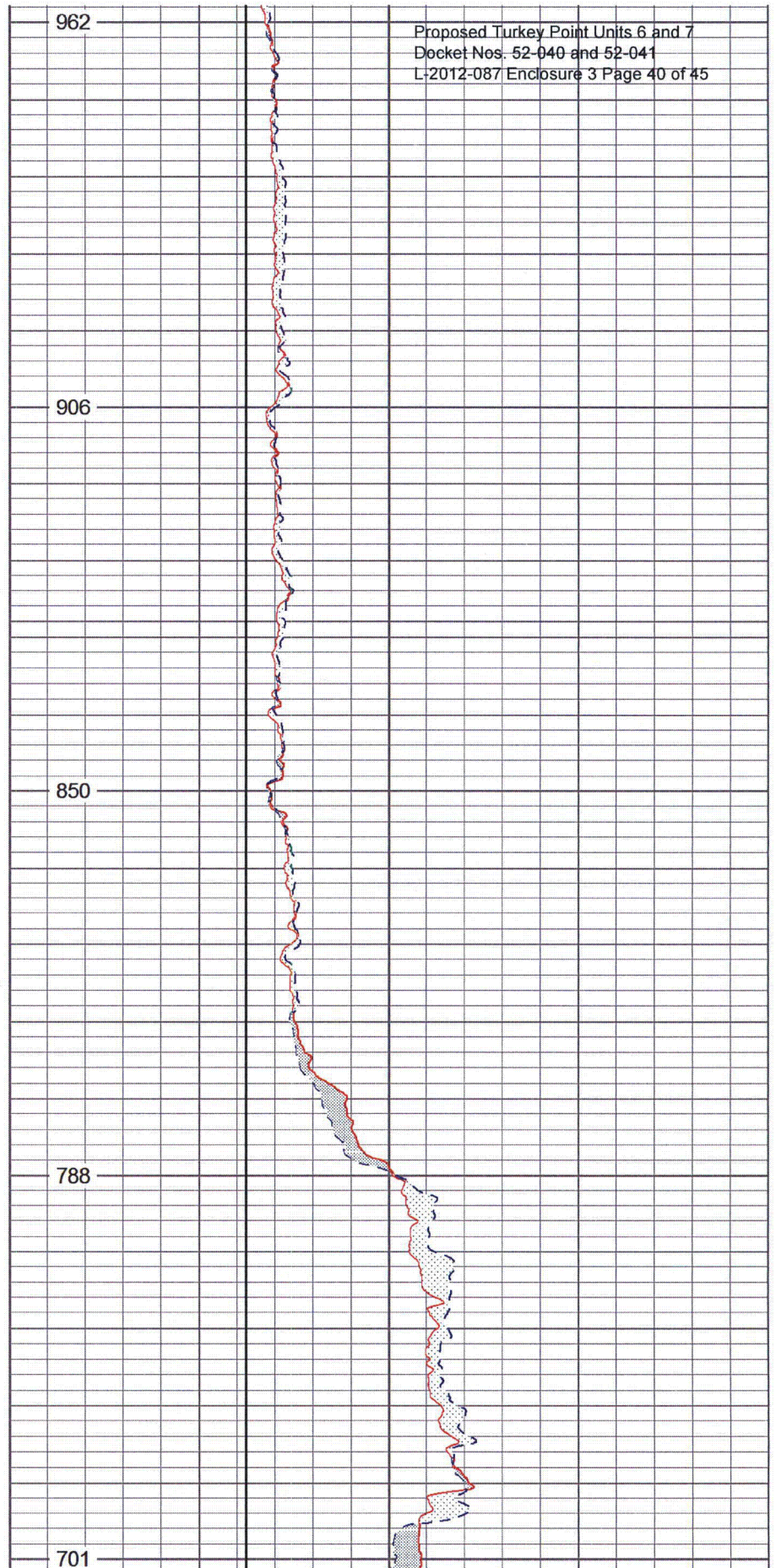
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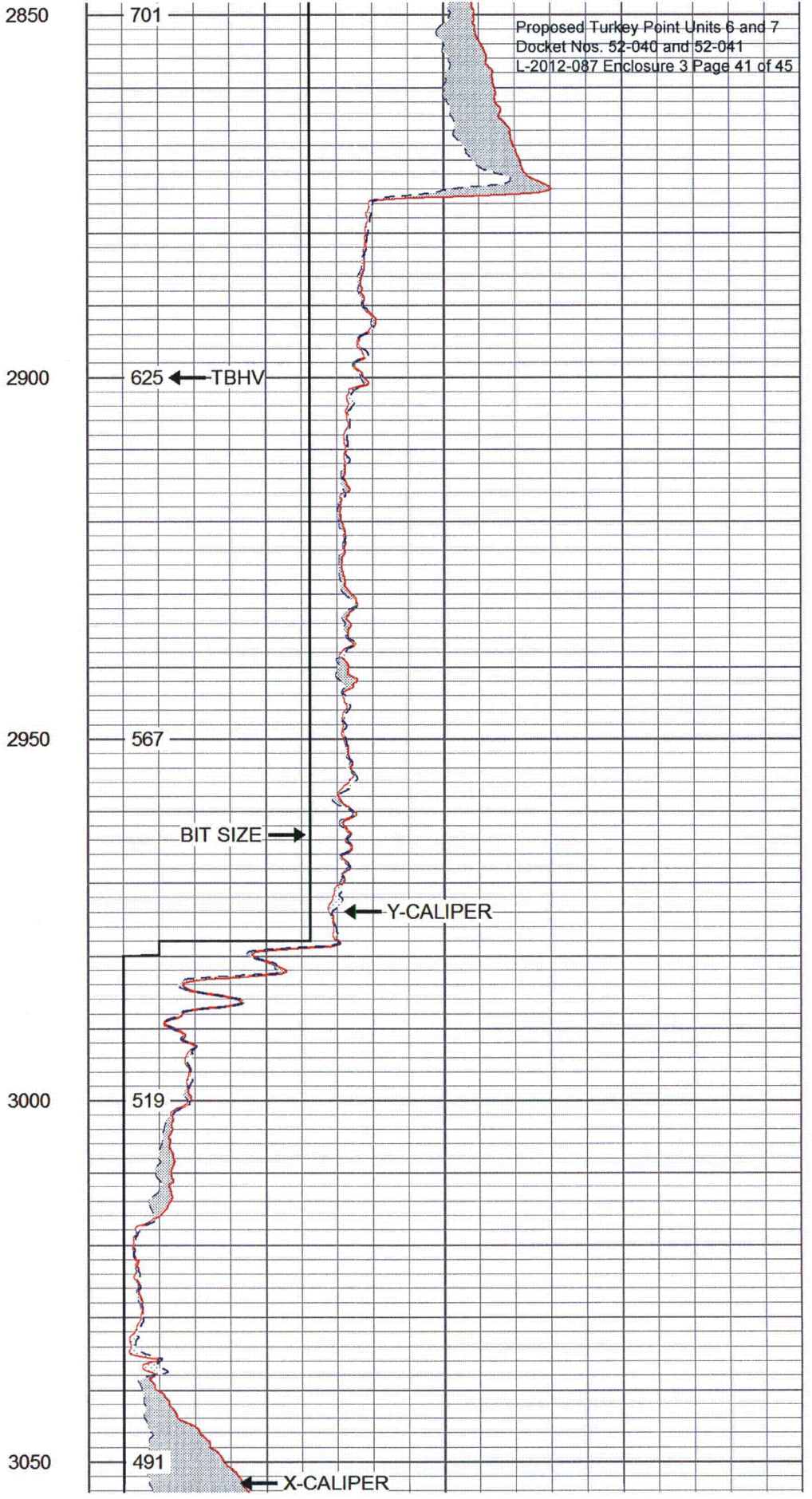
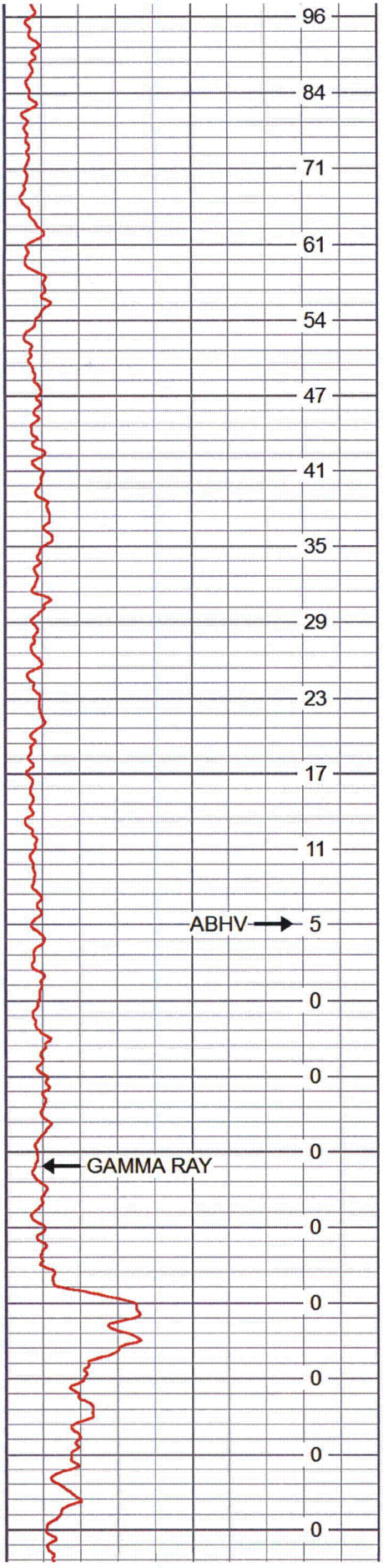
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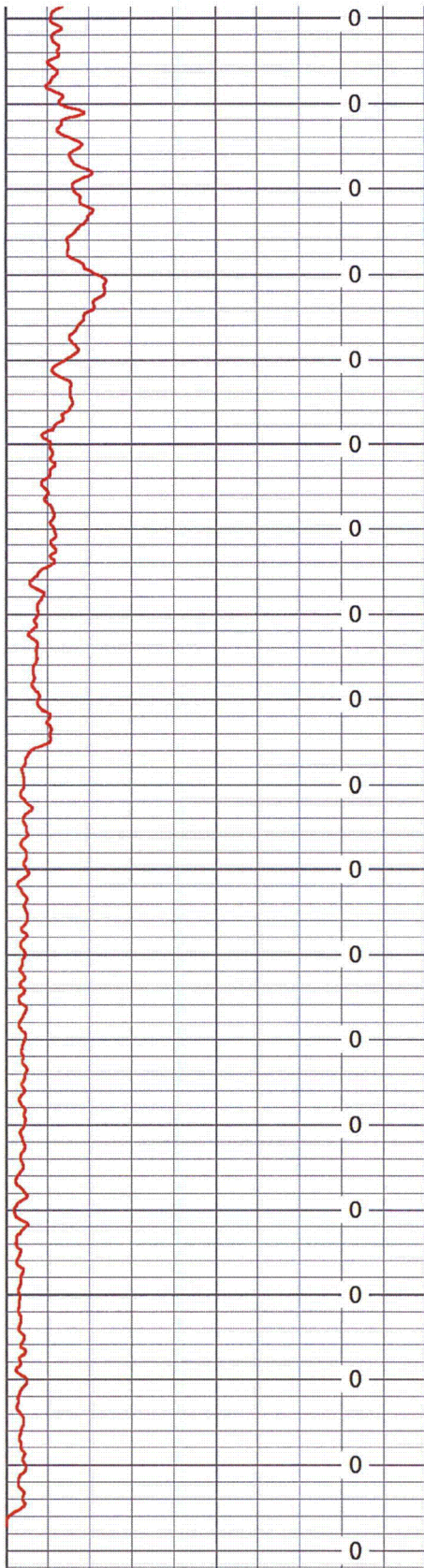
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2850



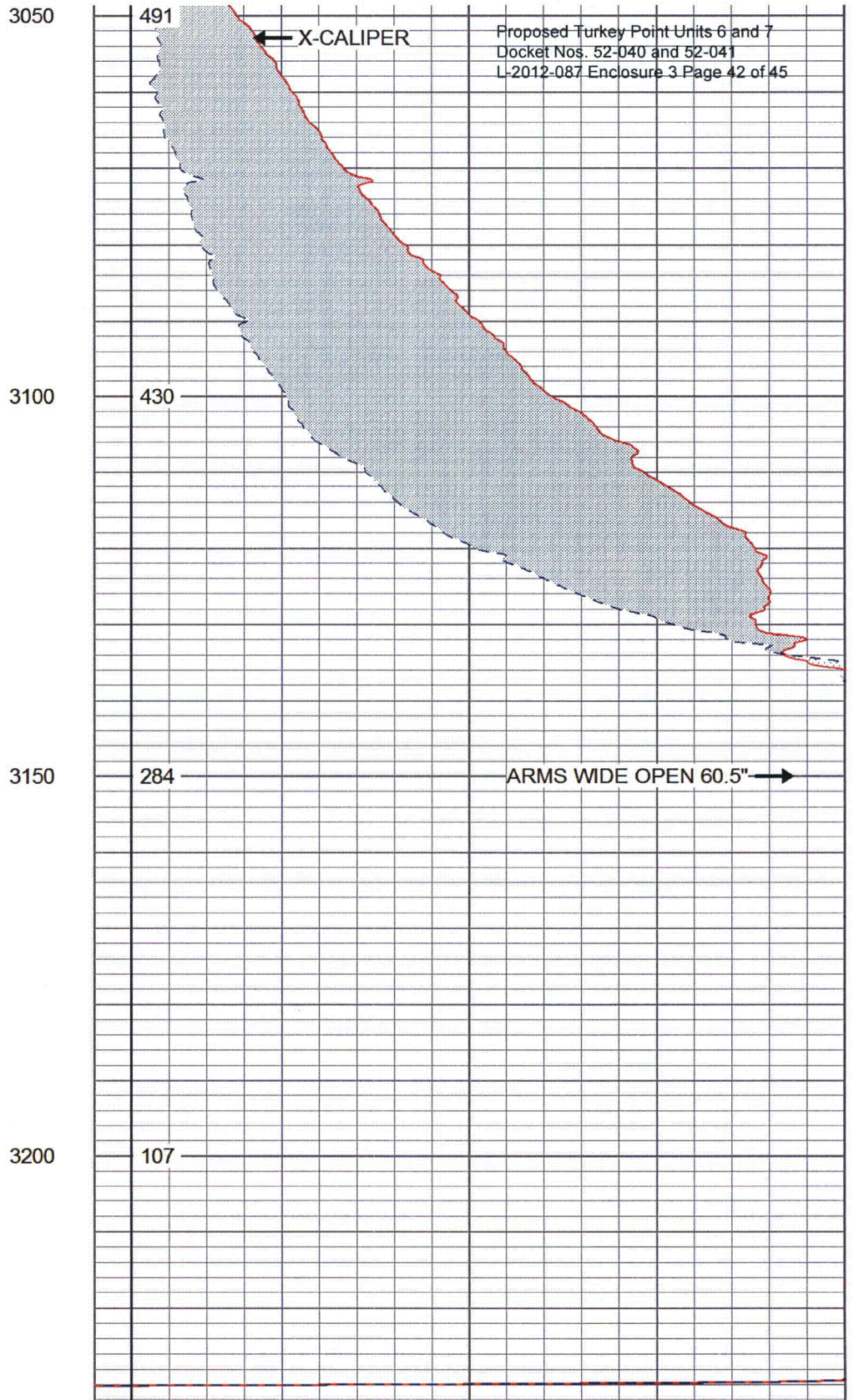
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0 GAMMA RAY (GAPI) 100

ABHV (bbl)



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20	X-CALIPER (in)	60
20	Y-CALIPER (in)	60
20	BIT SIZE (in)	60
TBHV (bbl)		

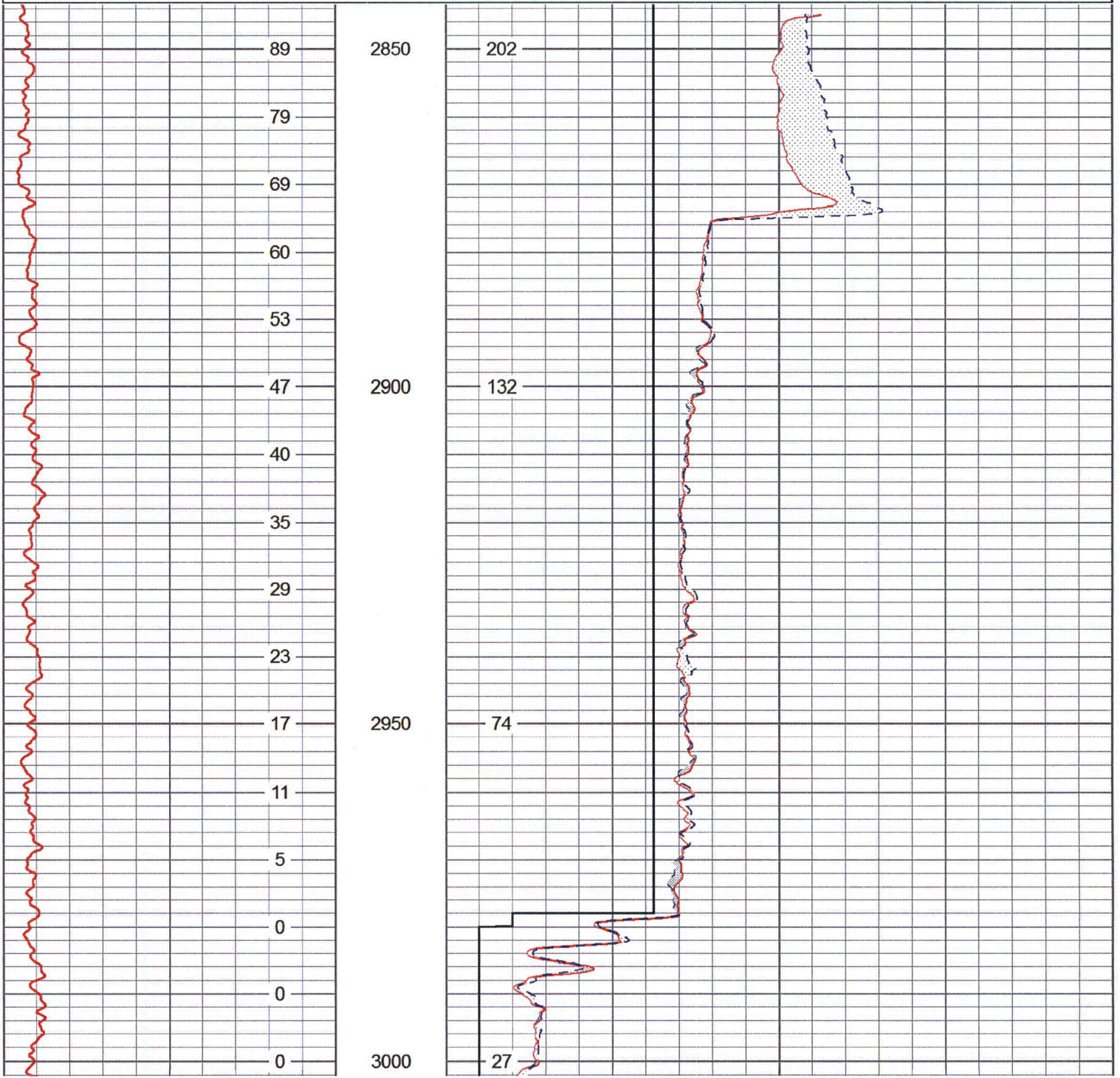


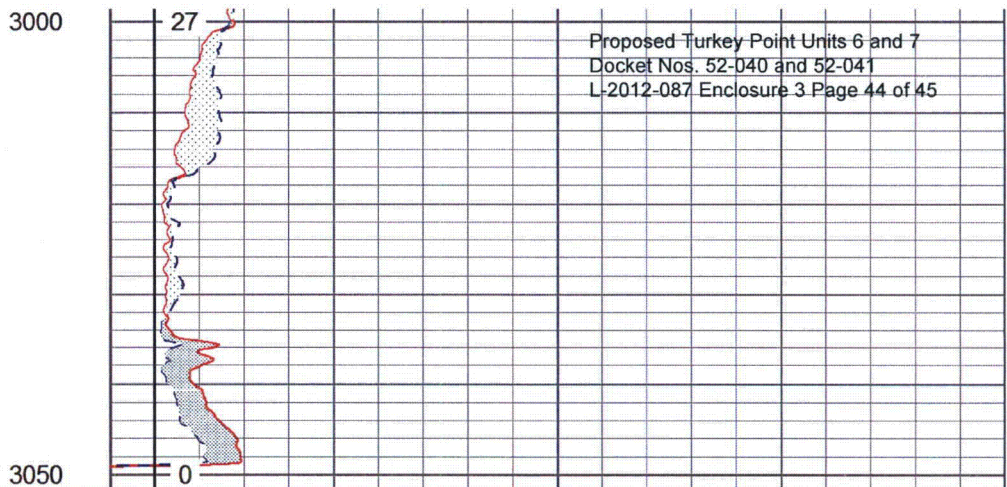
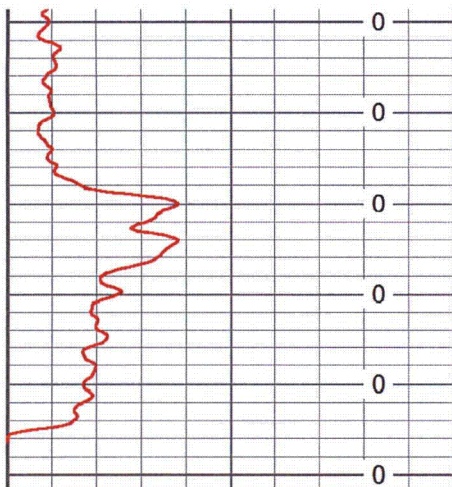
REPEAT PASS

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 Charted by: Depth in Feet scaled 1:240

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0	GAMMA RAY (GAPI)	100	20	X-CALIPER (in)	60
	ABHV (bbl)		20	Y-CALIPER (in)	60
			20	BIT SIZE (in)	60
			TBHV (bbl)		





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0	GAMMA RAY (GAPI)	100	20	X-CALIPER (in)	60
	ABHV (bbl)		20	Y-CALIPER (in)	60
			20	BIT SIZE (in)	60
			TBHV (bbl)		

Calibration Report

Database File: fp&lew1.db
 Dataset Pathname: run14/XYCM
 Dataset Creation: Tue Feb 21 12:24:21 2012 by Calc SOC 111108

XY Caliper Calibration Report

Serial Number/Model: 120118-GOI
 Performed: Tue Feb 21 08:35:00 2012

	Ring		X Caliper		Y Caliper	
1:	23	in	490	cps	492	cps
2:	33.25	in	600	cps	606	cps
3:	40	in	678.5	cps	683	cps
4:	52	in	830	cps	836	cps
5:	60	in	899	cps	897	cps
6:		in		cps		cps

Gamma Ray Calibration Report

Serial Number: 120116
 Tool Model: PTS_OH
 Performed: Tue Feb 21 07:11:13 2012

Calibrator Value: 300.0 GAPI

Background Reading: 231.1 cps
 Calibrator Reading: 1930.6 cps

Sensitivity: 0.3000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.08		Proposed Turkey Point Units 6 and 7 Docket Nos. 52-040 and 52-041 L-2012-087 Enclosure 3 Page 45 of 45 GR-PTS_OH (120116) Open Hole Gamma Ray	3.50	3.38	47.00
YCAL	1.58		XYC-GOI (120118) 4 Arm X-Y Caliper	6.25	3.25	45.00
XCAL	1.50					

Dataset: fp&lew1.db: field/well/run14/XYCMP1
 Total Length: 9.75 ft
 Total Weight: 92.00 lb
 O.D.: 3.38 in