



**YOUNGQUIST
BROTHERS, Inc**
GEOPHYSICAL LOGGING DIVISION

**FLUID CONDUCTIVITY
TEMPERATURE
LOG**

Company TOWN OF DAVIE/AECOM
Well IW-2
Field DAVIE
County BROWARD State FL

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Well IW-2
Field DAVIE
County BROWARD
State FL

Location: TOWN OF DAVIE WWTP
API #: LAT 26 05 10.78 N
LONG 80 14 29.81 W
SEC 22 TWP 50S RGE 41E
Permanent Datum G.L. Elevation 6.2'NGVD
Log Measured From G.L. R.B. 1929
Drilling Measured From G.L. G.L. 6.2'NGVD.29

Date 6-MAR-2011

Run Number	FOUR
Depth Driller	2100'
Depth Logger	2100'
Bottom Logged Interval	2100'
Top Log Interval	CASING
Open Hole Size	12.25"
Type Fluid	WATER
Density / Viscosity	9.4/43
Max. Recorded Temp.	77F
Estimated Cement Top	NA
Time Well Ready	2230
Time Logger on Bottom	0030
Equipment Number	103
Location	FT MYERS
Recorded By	FULLER
Witnessed By	EVERT

Borehole Record		Borehole Record	
Run Number	Bit From To	Run Number	Bit From To
ONE	68.5" SURFACE 254'		
TWO	58.5" CASING 980'		
THREE	12.25" CASING 2100'		
Casing Record	Size	Wgt/Ft	Top Bottom
Surface String	60"	.375" W.T.	SURFACE SURFACE 250'
Prot. String	50"	.375" W.T.	SURFACE SURFACE 975'
Production String			
Liner			

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

Comments

FLOWMETER
X-Y CALIPER/GAMMA RAY
DUAL INDUCTION
BOREHOLE SONIC
BOREHOLE TELEVIEWER

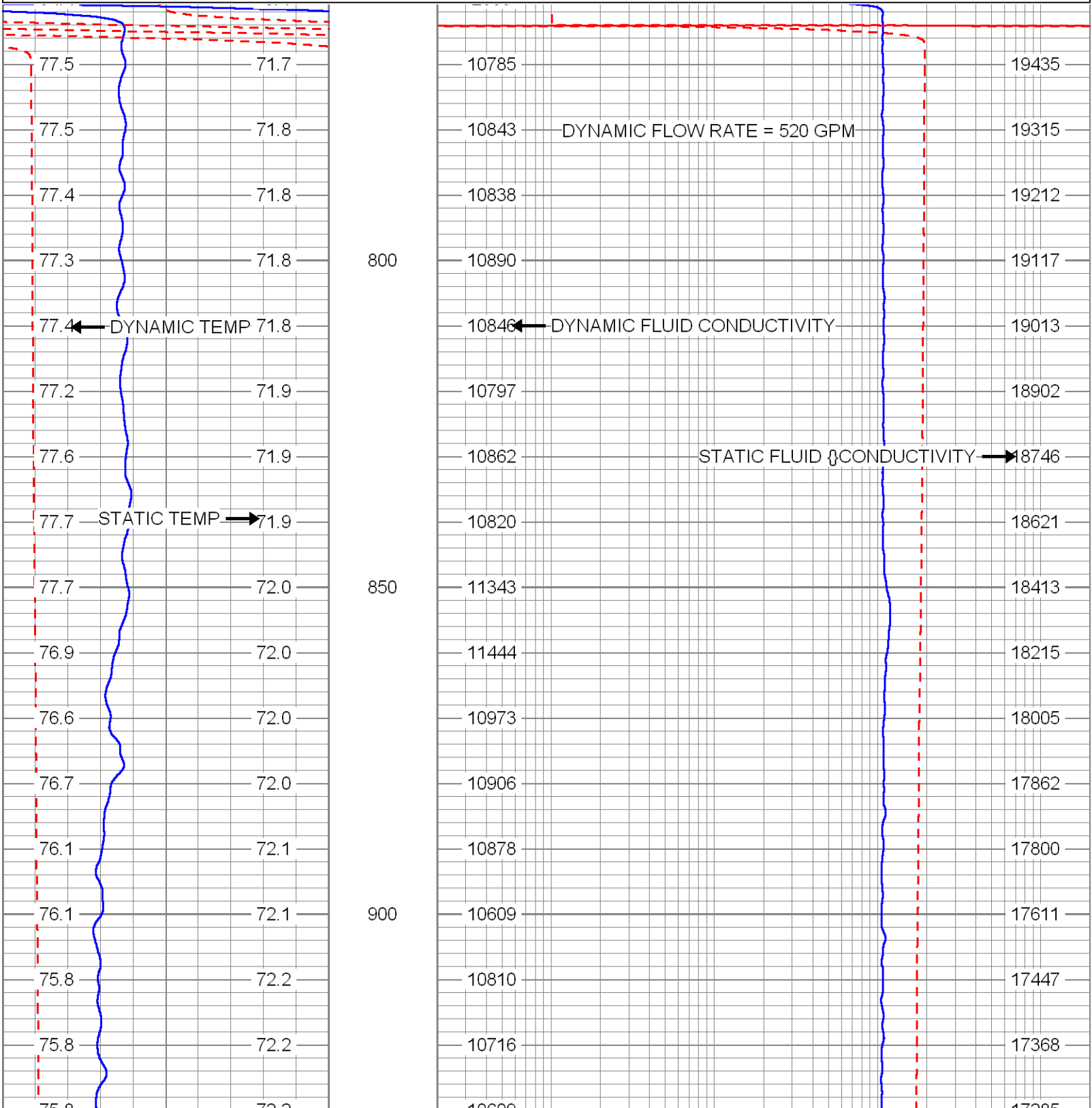
DYNAMIC FLOW RATE = 520 GPM

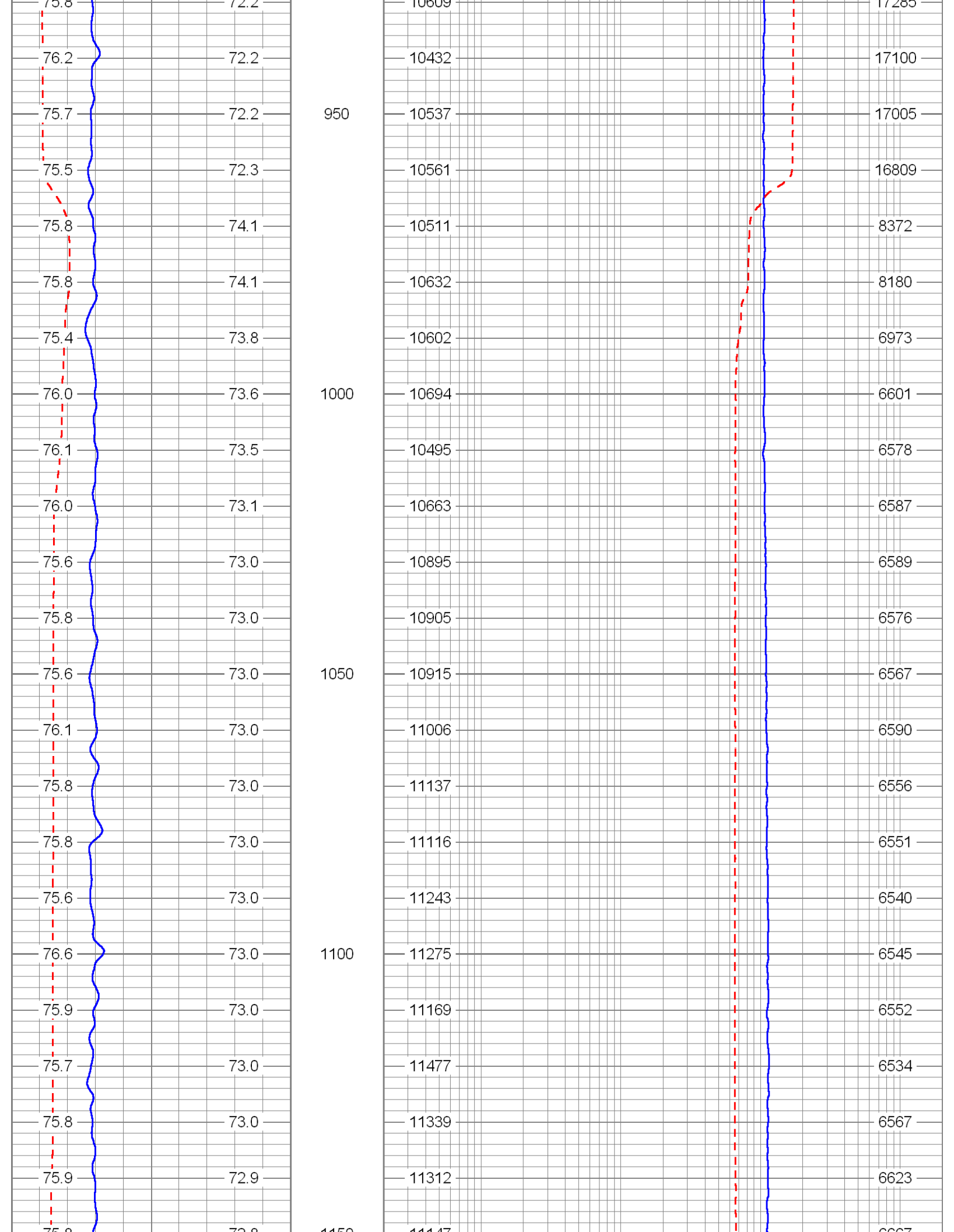


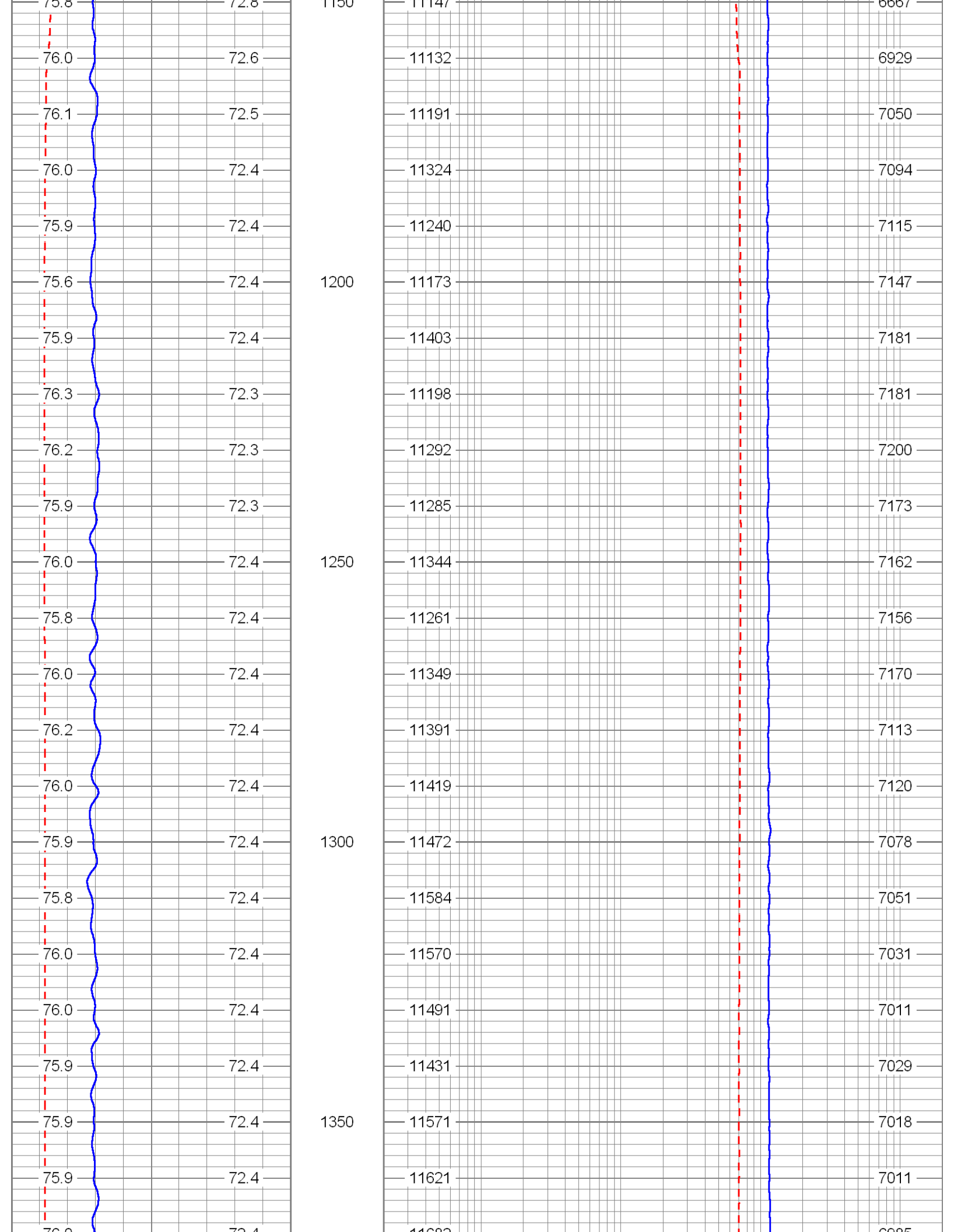
MERGED FCT (520 GPM)

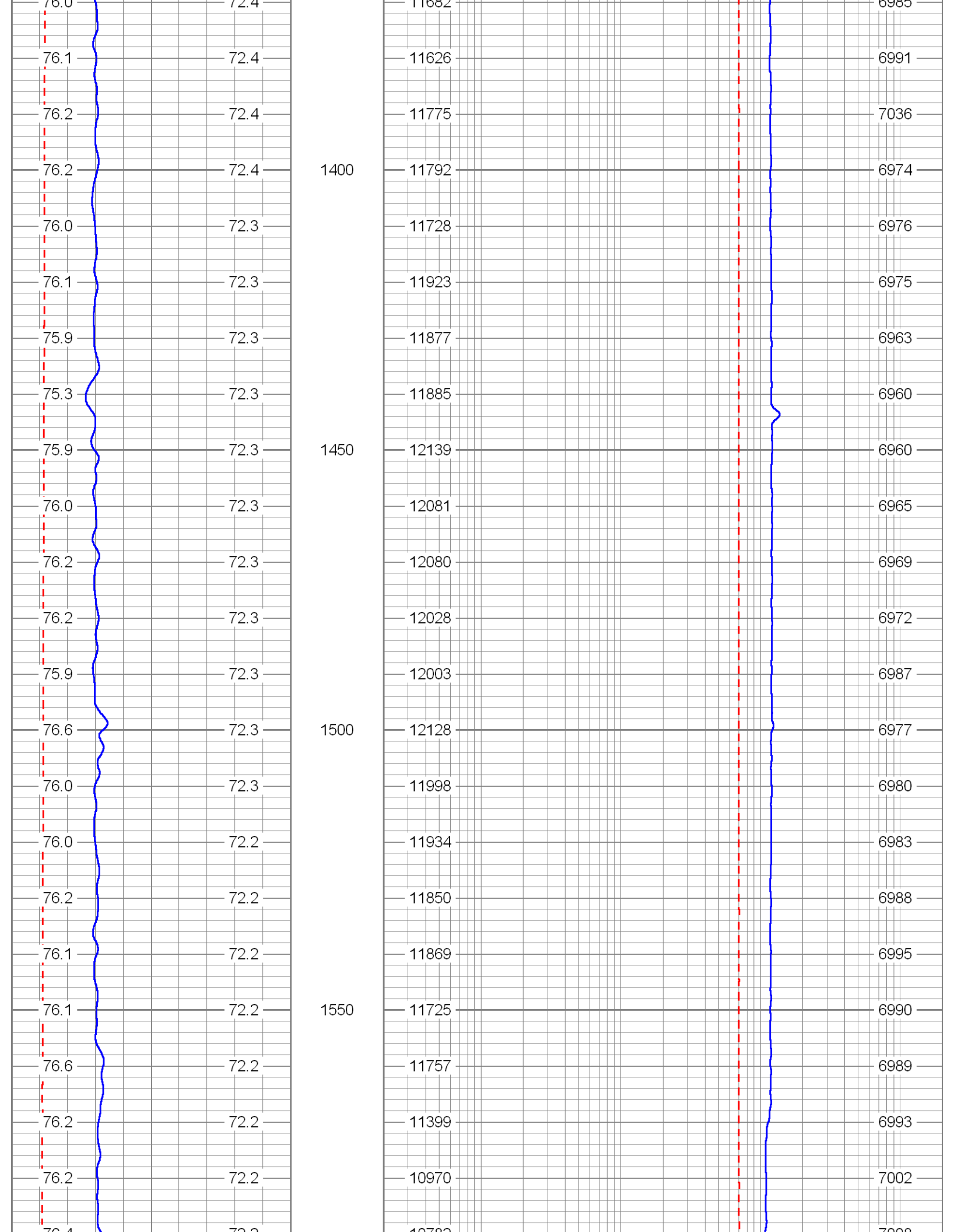
Database File: daview2.db
 Dataset Pathname: run4/pass14
 Presentation Format: frt_mg
 Dataset Creation: Sun Mar 06 18:05:38 2011 by Log Open-Cased 100827
 Charted by: Depth in Feet scaled 1:240

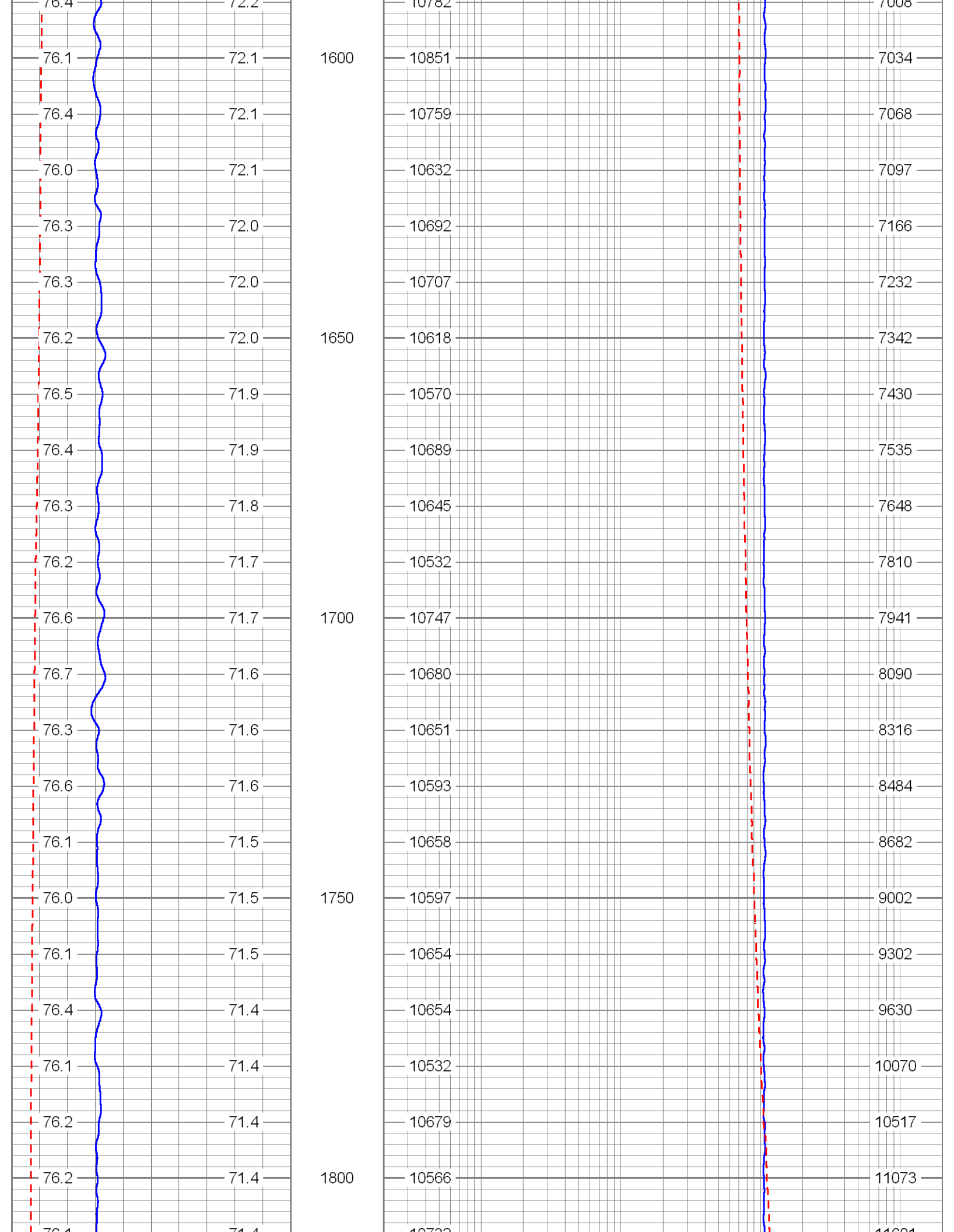
70	DYNAMIC TEMP (degF)	90	20	DYNAMIC FLUID CONDUCTIVITY (uS) (uS/cm)	200000
70	STATIC TEMP (degF)	90	20	STATIC FLUID CONDUCTIVITY (uS) (uS/cm)	200000
DYNAMIC TEM	STATIC TEMF		FLUID COND		STATIC FLUID
(degF)	(degF)		(uS/cm)		CONDUCTIVIT
					(uS/cm)

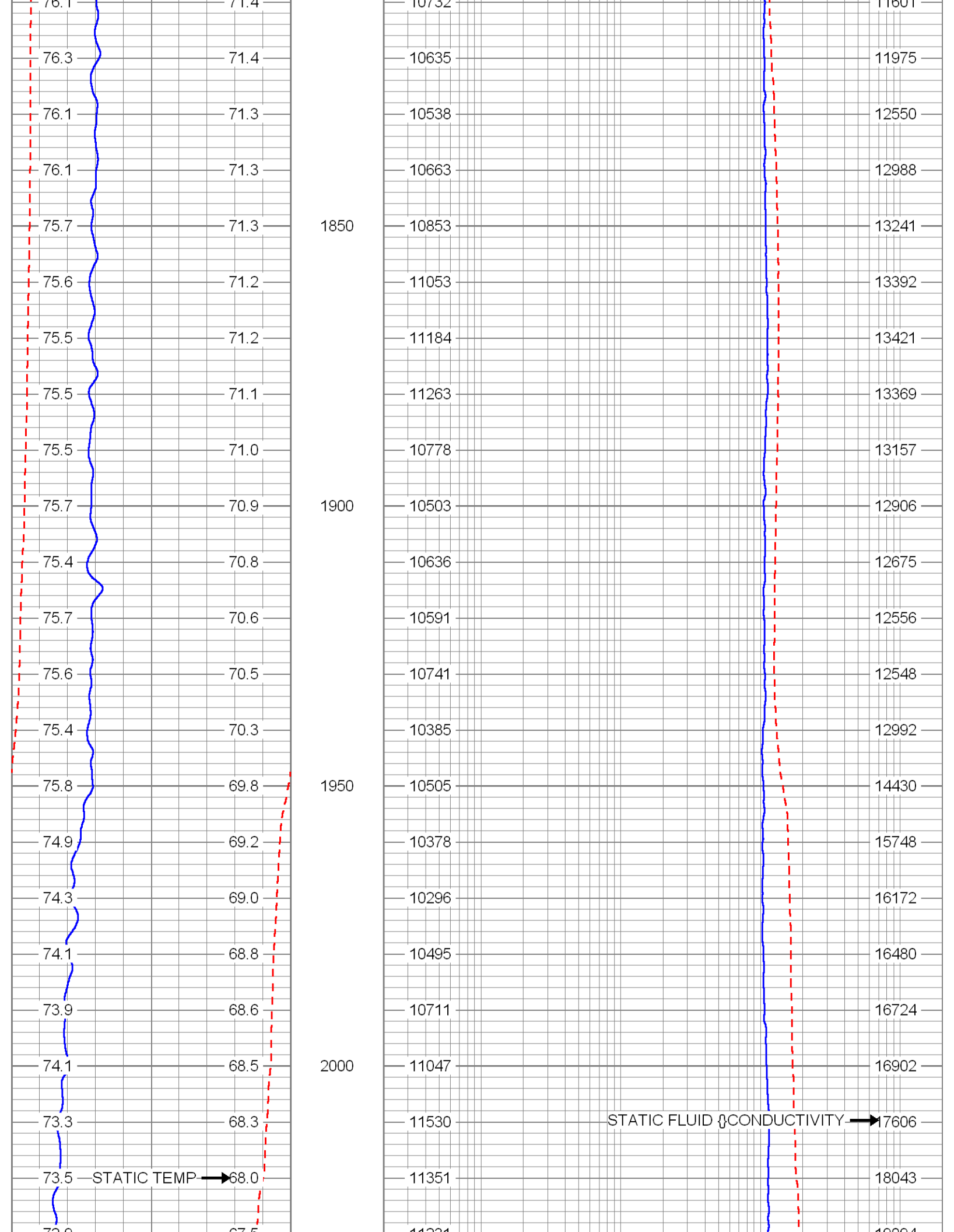


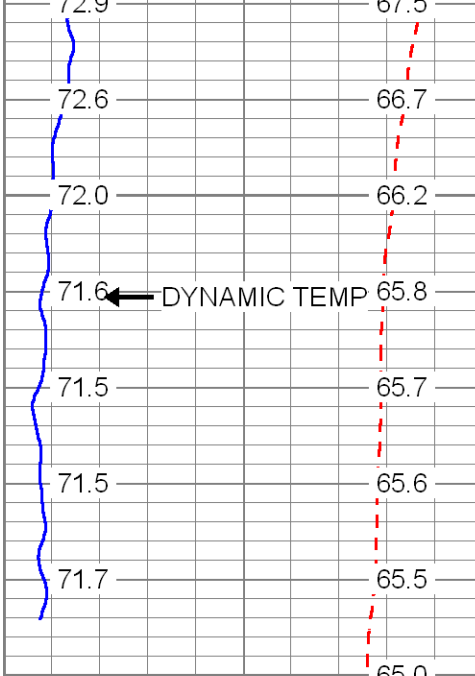






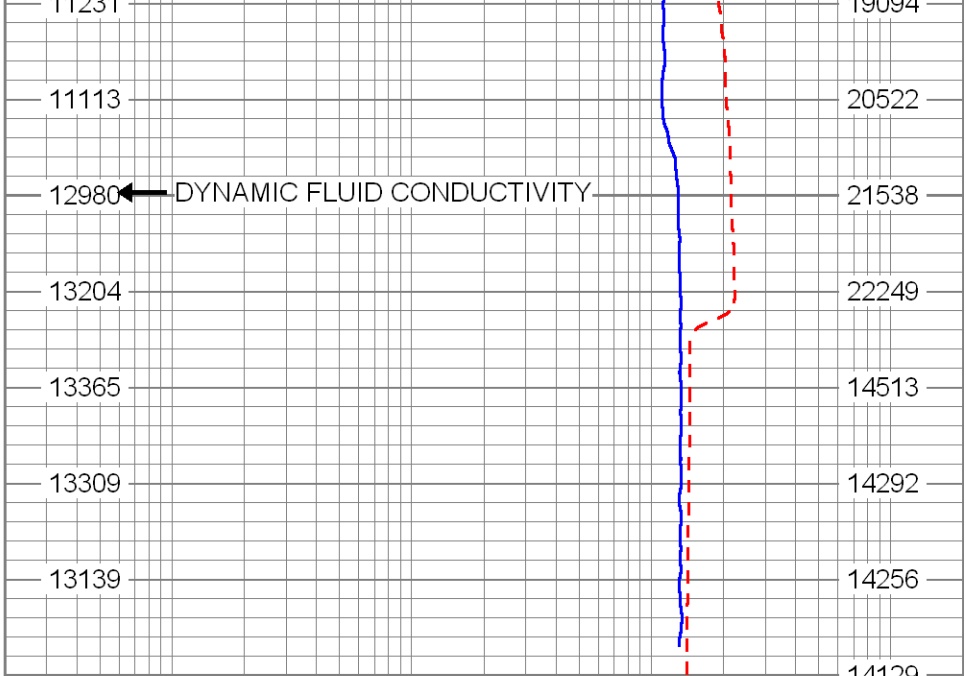






2050

2100



70	DYNAMIC TEMP (degF)	90
70	STATIC TEMP (degF)	90
DYNAMIC TEM (degF)		STATIC TEMP (degF)

20	DYNAMIC FLUID CONDUCTIVITY (uS) (uS/cm)	200000
20	STATIC FLUID CONDUCTIVITY (uS) (uS/cm)	200000
FLUID COND (uS/cm)		STATIC FLUID CONDUCTIVITY (uS/cm)

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
TEMP	0.70		TEMP-SONDEX (31)	1.20	1.63	10.00
FRES	0.50		FRT-SONDEX (31)	0.60	1.69	10.00
		Dataset:	davieiw2.db: field/well/run4/pass14			
		Total Length:	1.80 ft			
		Total Weight:	20.00 lb			
		O.D.:	1.69 in			

Calibration Report	
Database File:	davieiw2.db
Dataset Pathname:	run4/pass14
Dataset Creation:	Sun Mar 06 18:05:38 2011 by Log Open-Cased 100827

FRT Calibration Report	
Serial Number:	31
Tool Model:	SONDEX
Performed:	Fri Feb 19 14:30:36 2010

Point #	Reading	Reference
1	0.731 cps	1100.000 uS/cm
2	116.541 cps	10000.000 uS/cm

3	401.744	cps	25000.000	uS/cm
4	1152.340	cps	50000.000	uS/cm
5		cps		uS/cm
6		cps		uS/cm
7		cps		uS/cm
8		cps		uS/cm
9		cps		uS/cm
10		cps		uS/cm

Temperature Calibration Report

Serial Number: 31
Tool Model: SONDEX
Performed: Fri Feb 19 14:24:21 2010

Point #	Reading		Reference	
1	119.10	cps	34.00	degF
2	334.81	cps	82.00	degF
3	698.66	cps	158.00	degF
4		cps		degF
5		cps		degF
6		cps		degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF