YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

FLOWMETER LOG

Company CH2M HILL
Well DZMW-1
Field FPUA
County ST. LUCIE CO.
State FL

Company	CH2M HILL
Well	DZMW-1
Field	FPUA
County	ST. LUCIE CO. State FL

Location

FT. PIERCE UTILITIES AUTHORITY

Other Services
SEE
COMMENTS

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

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

Date	18-OCT-07		
Run Number	THREE		
Depth Driller	1950'		
Depth Logger	1950'		
Bottom Logged Interval	1950'		
Top Log Interval	CASING		
Open Hole Size	12.25"		
Type Fluid	WATER		
Density / Viscosity	N/A		
Max. Recorded Temp.	N/A		
Estimated Cement Top	N/A		
Time Well Ready	ON ARRIVAL		
Time Logger on Bottom	1545		
Equipment Number	103		
Location	FT. MYERS		
Recorded By	FULLER	CATHEY	
Witnessed By	G. FORD		

Borehole Record				Borehole Record			
Run Number	Bit	From	To	Run No.	Bit	From	To
ONE	12.25"	CASING	570'				
TWO	28.50"	CASING	570'				
THREE	12.25"	CASING	1950'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	30"	.375 W.T.	SURFACE	78'
Prot. String	20"	.375" WT	SURFACE	565'
Production String				
Liner				

<<< Fold Here >>>

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

OTHER SERVICES

X-Y CALIPER/GAMMA RAY
SONIC
FLUID CONDUCTIVITY-TEMP
DUAL INDUCTION

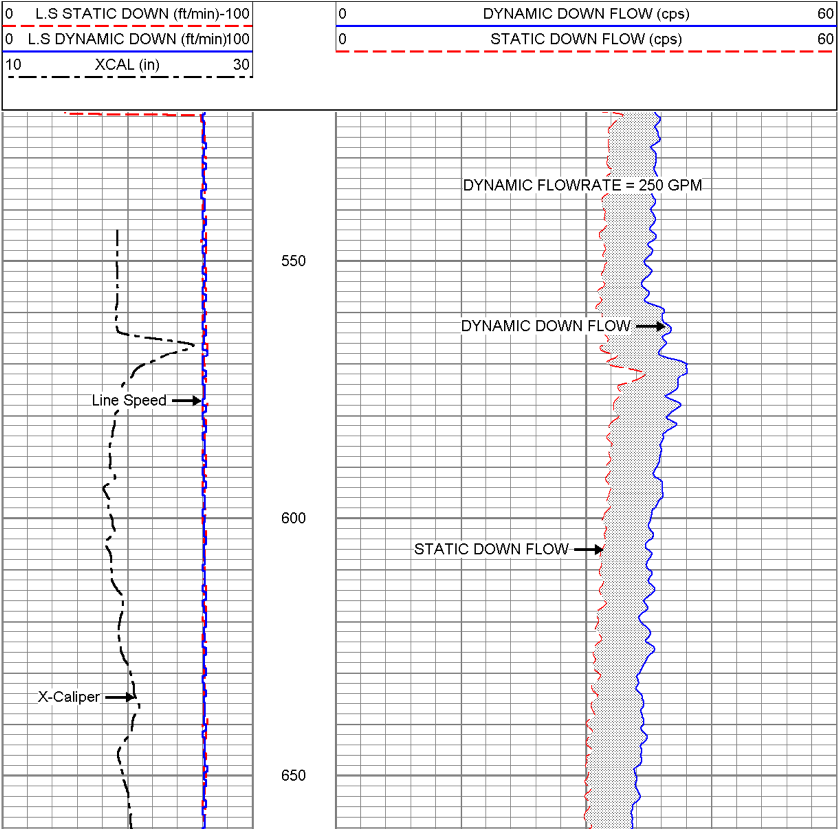
DYNAMIC FLOWRATE = 250 GPM

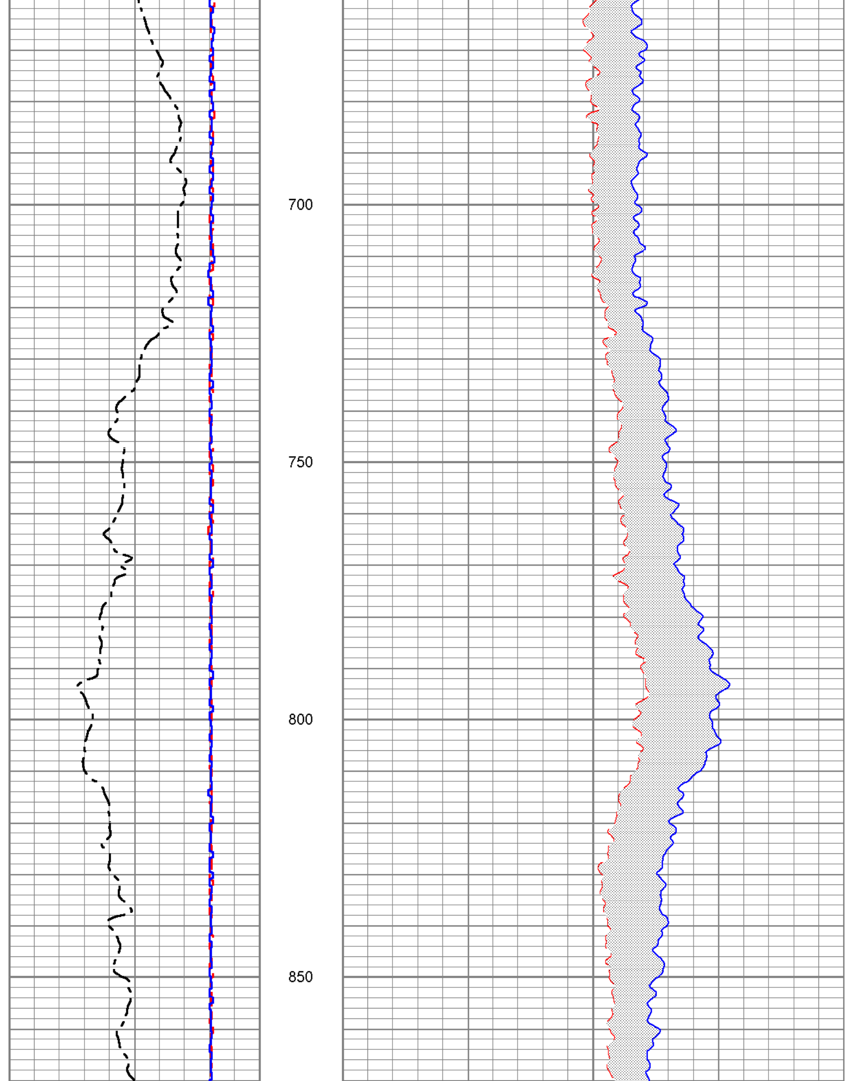
YOUNGQUIST BROTHERS, Inc

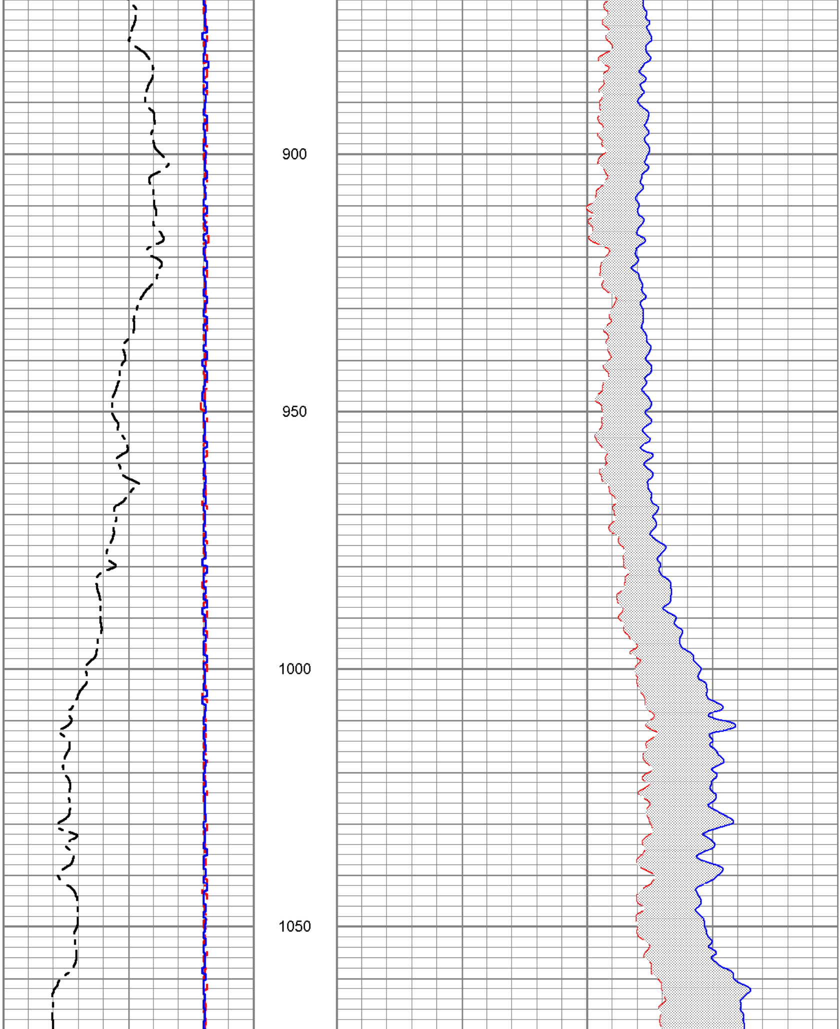
GEOPHYSICAL LOGGING DIVISION

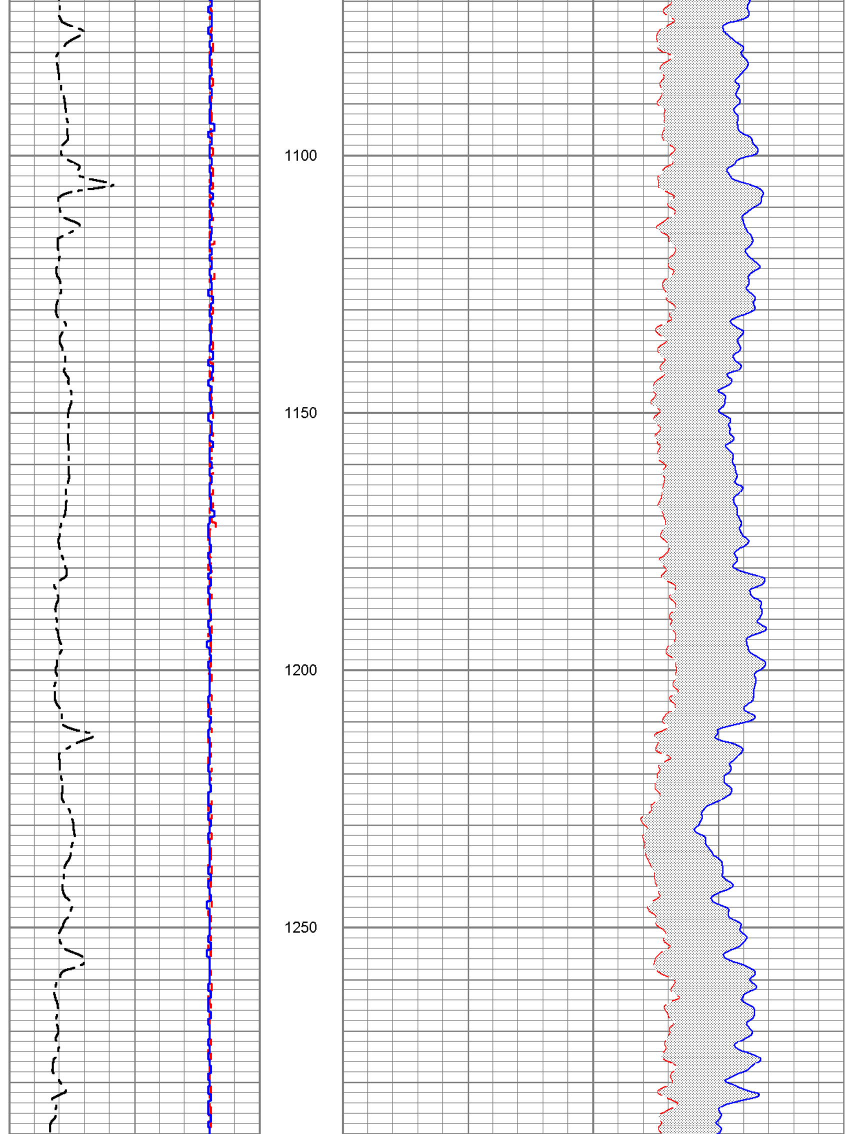
MERGED FLOWMETER

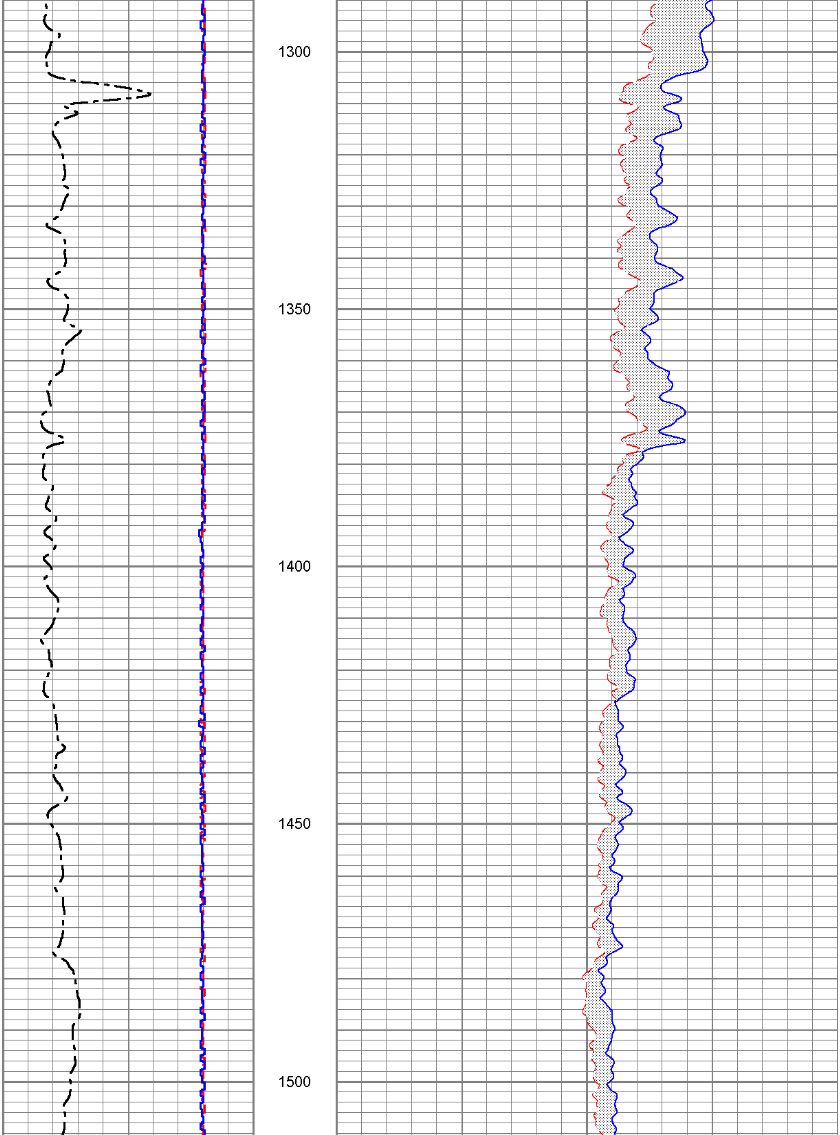
Database File:	ftprcmw.db
Dataset Pathname:	run3/pass11
Presentation Format:	FM_DNMG
Dataset Creation:	Thu Oct 18 20:36:47 2007 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240

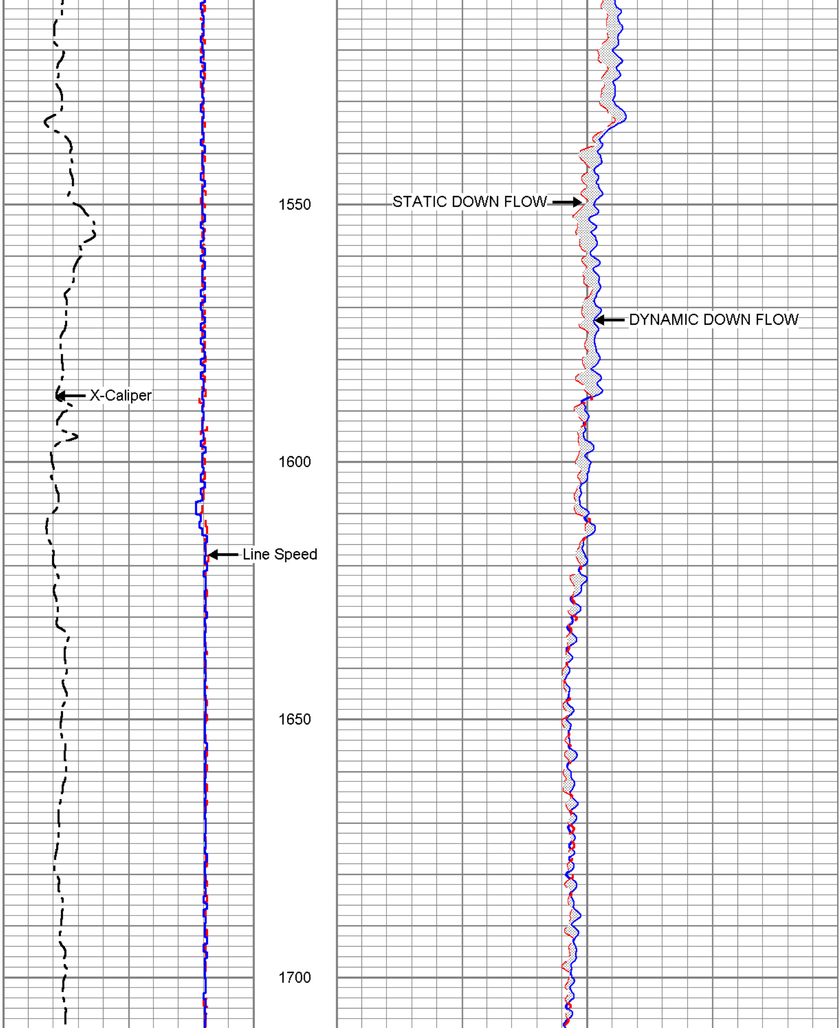


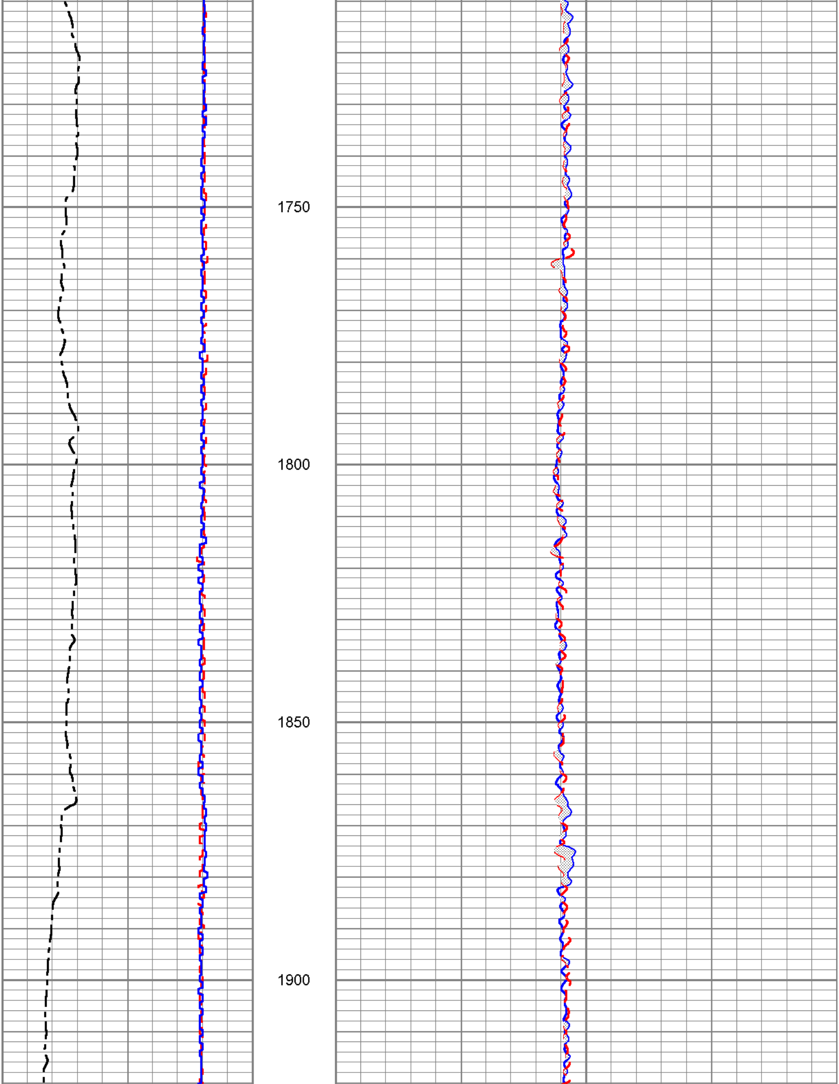


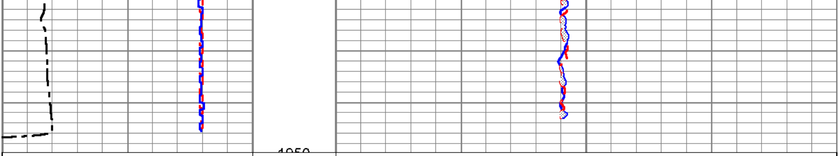












0 L.S STATIC DOWN (ft/min) -100

0 L.S DYNAMIC DOWN (ft/min) 100

10 XCAL (in) 30

0 DYNAMIC DOWN FLOW (cps) 60

0 STATIC DOWN FLOW (cps) 60

YOUNGQUIST BROTHERS, Inc

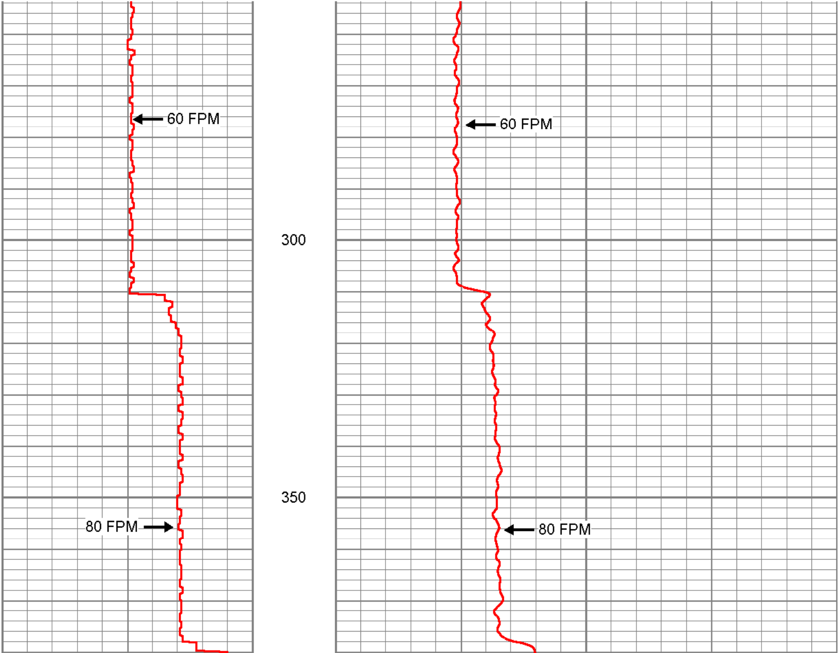
GEOPHYSICAL LOGGING DIVISION

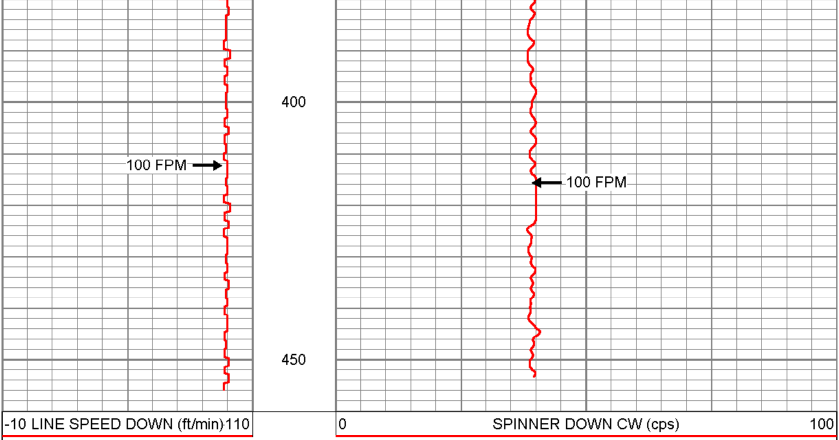
FLOW CALS

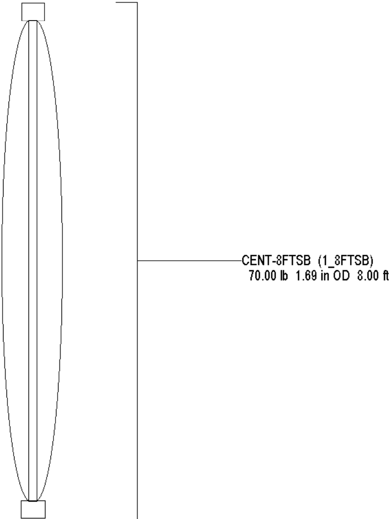
Database File:	ftprcmw.db
Dataset Pathname:	run3/pass9
Presentation Format:	FLOWCALS
Dataset Creation:	Thu Oct 18 20:00:33 2007 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240

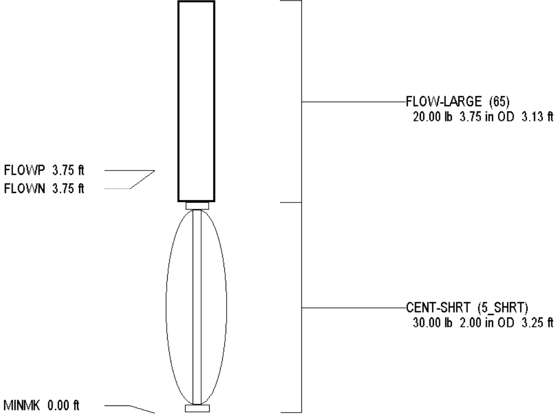
-10 LINE SPEED DOWN (ft/min) 110

0 SPINNER DOWN CW (cps) 100









Dataset: run3/pass11
Total Length: 14.38 ft
Total Weight: 120.00 lb
O.D. 3.75 in

YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

BOREHOLE COMPENSATED SONIC with VDL & LOG DERIVED TDS LOG

Company CH2M HILL
Well DZMW-1
Field FPUA
County ST. LUCIE CO.
State FL

Company CH2M HILL
Well DZMW-1
Field FPUA
County ST. LUCIE CO. State FL

Location
FT. PIERCE UTILITIES AUTHORITY

Other Services
SEE COMMENTS

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

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

Date	18-OCT-07		
Run Number	THREE		
Depth Driller	1950'		
Depth Logger	1950'		
Bottom Logged Interval	1950'		
Top Log Interval	CASING		
Open Hole Size	12.25"		
Type Fluid	WATER		
Density / Viscosity	N\A		
Max. Recorded Temp.	N/A		
Estimated Cement Top	N/A		
Time Well Ready	ON ARRIVAL		
Time Logger on Bottom	1545		
Equipment Number	103		
Location	FT. MYERS		
Recorded By	FULLER	CATHEY	
Witnessed By	G. FORD		

Borehole Record				Borehole Record			
Run Number	Bit	From	To	Run No.	Bit	From	To
ONE	12.25"	CASING	570'				
TWO	28.50"	CASING	570'				
THREE	12.25"	CASING	1950'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	30"	.375 W.T.	SURFACE	78'
Prot. String	20"	.375" W.T.	SURFACE	565'
Production String				
Liner				

<<< Fold Here >>>

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

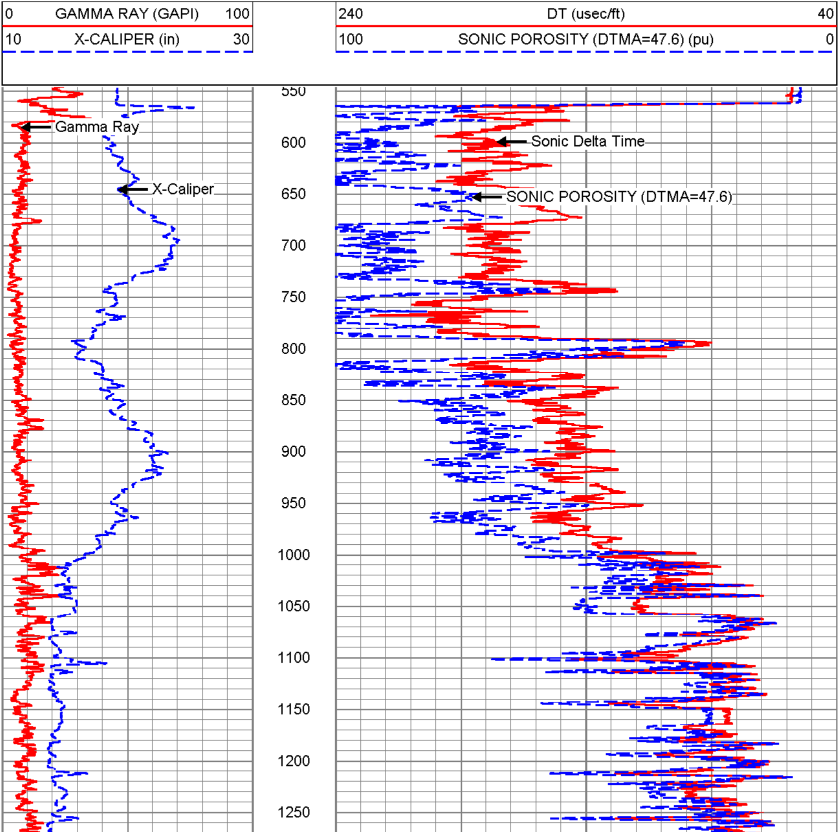
OTHER SERVICES

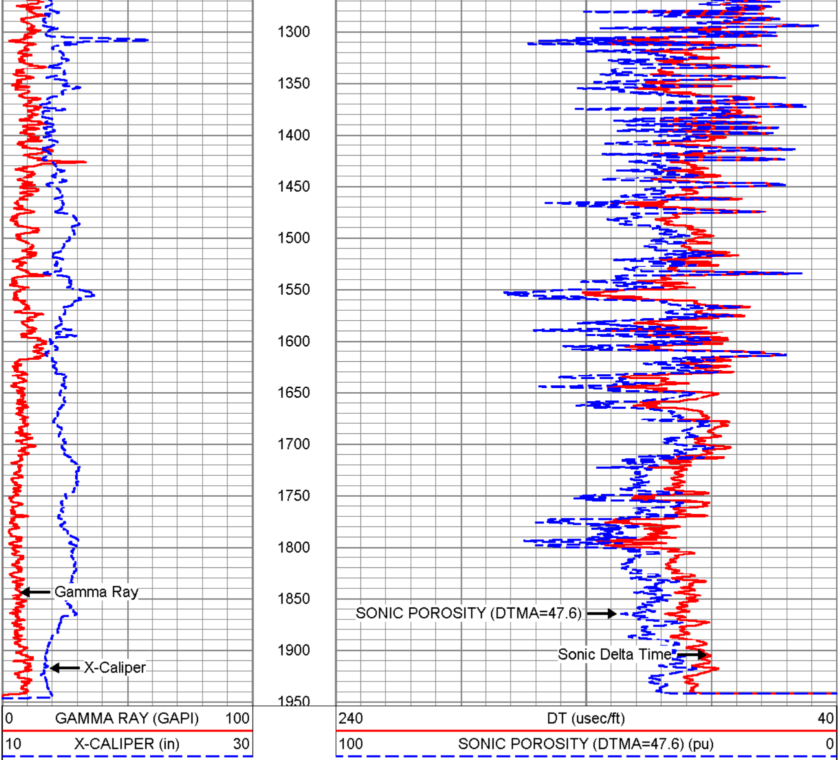
X-Y CALIPER/GAMMA RAY
DUAL INDUCTION
FLUID CONDUCTIVITY-TEMP
FLOW METER

YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

MAIN PASS

Database File:	ftprcmw.db
Dataset Pathname:	run3/pass8
Presentation Format:	SON_POR
Dataset Creation:	Thu Oct 18 17:39:29 2007 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:1200

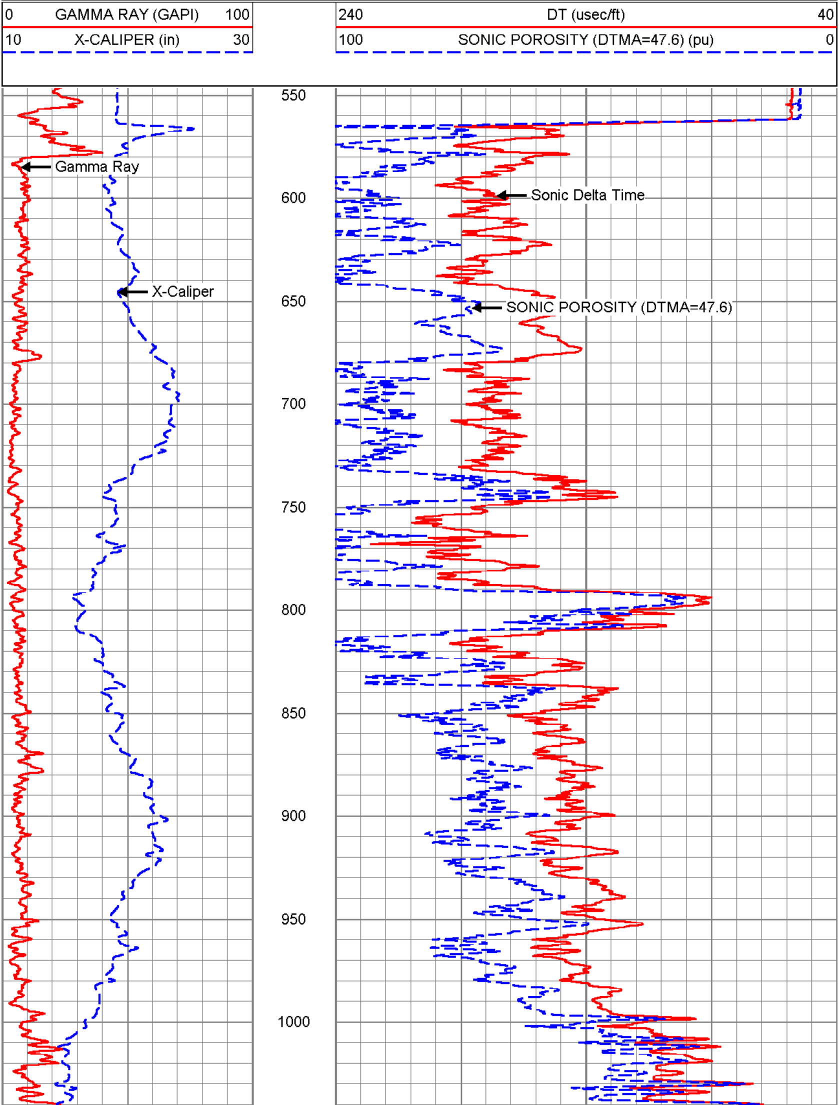


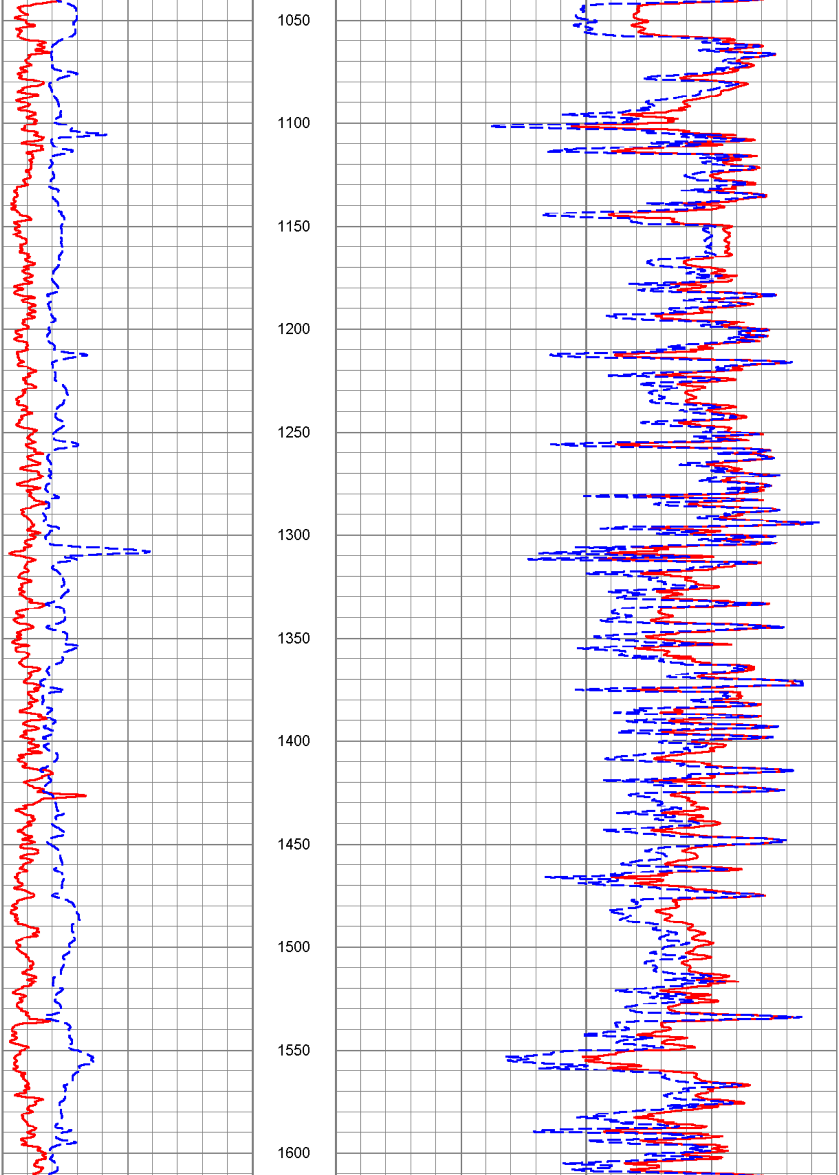


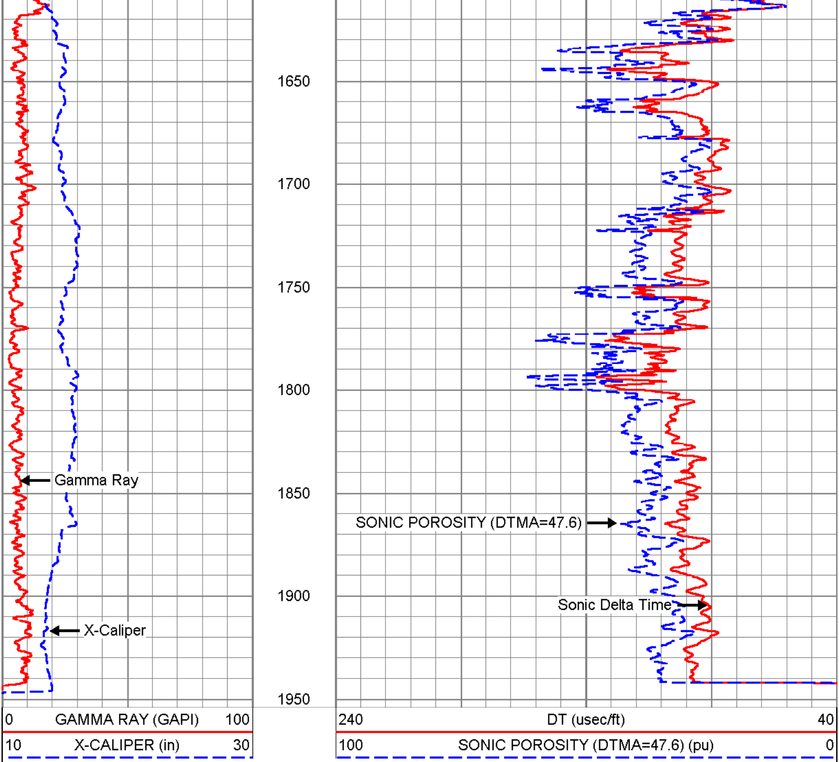
YOUNGQUIST
BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

MAIN PASS

Database File: ftprcmw.db
Dataset Pathname: run3/pass8
Presentation Format: SON_POR
Dataset Creation: Thu Oct 18 17:39:29 2007 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:600



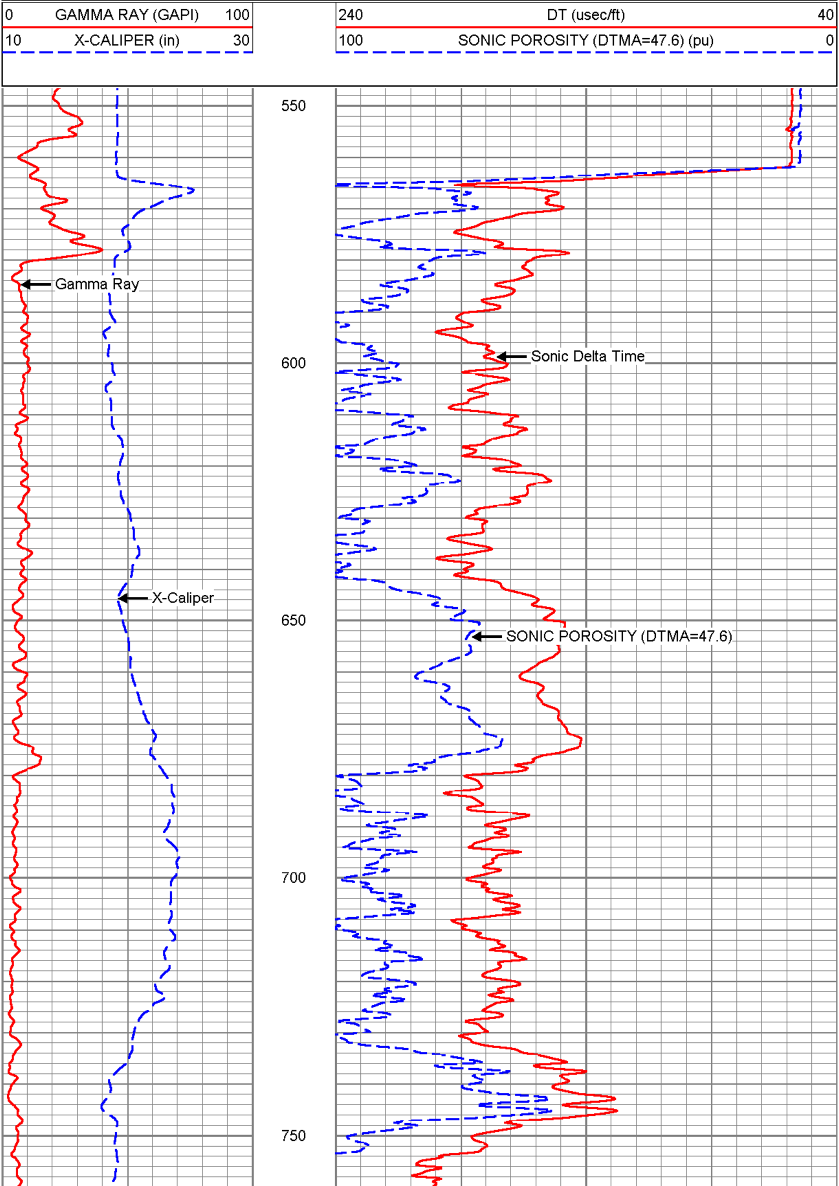


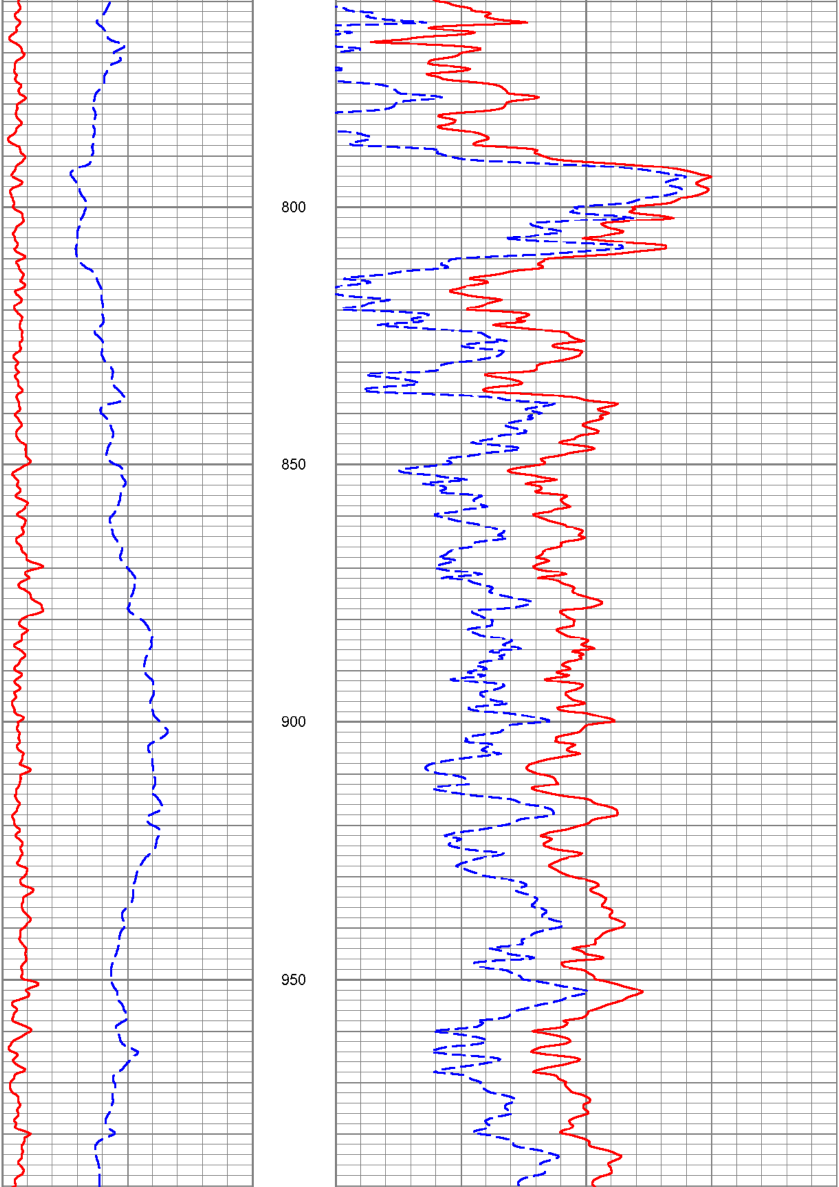


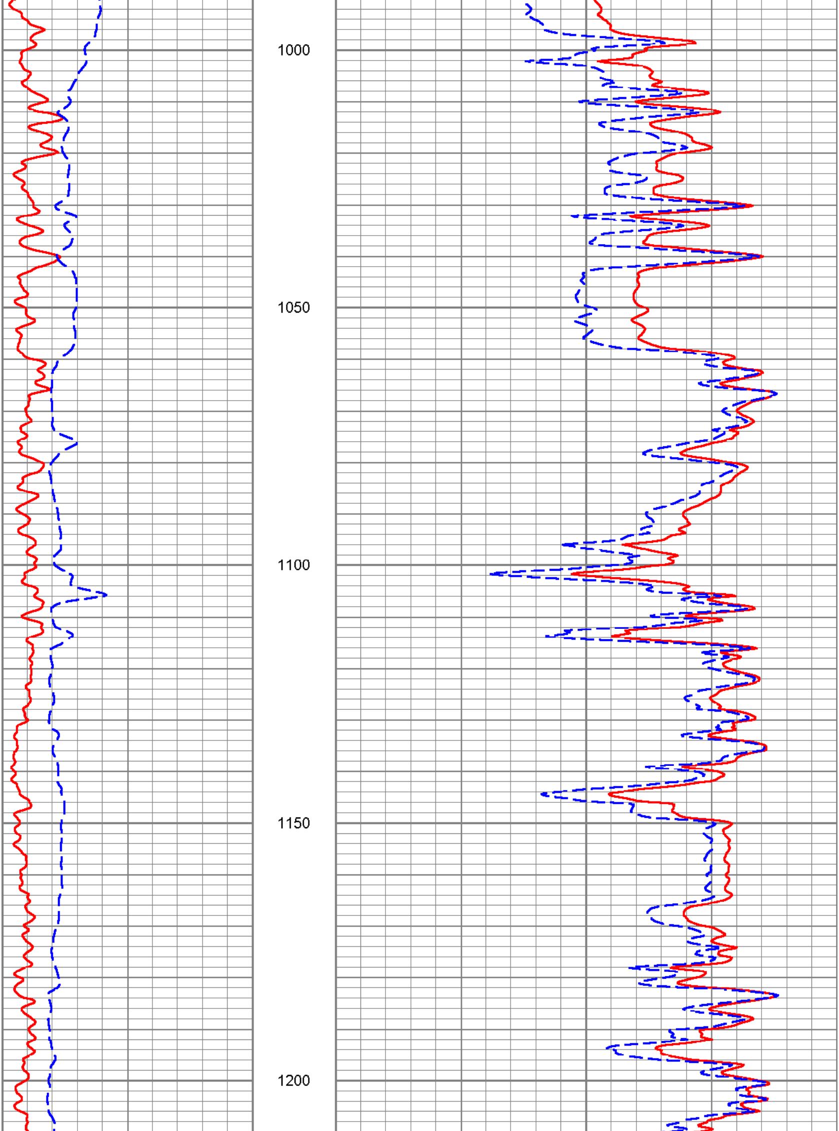
YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

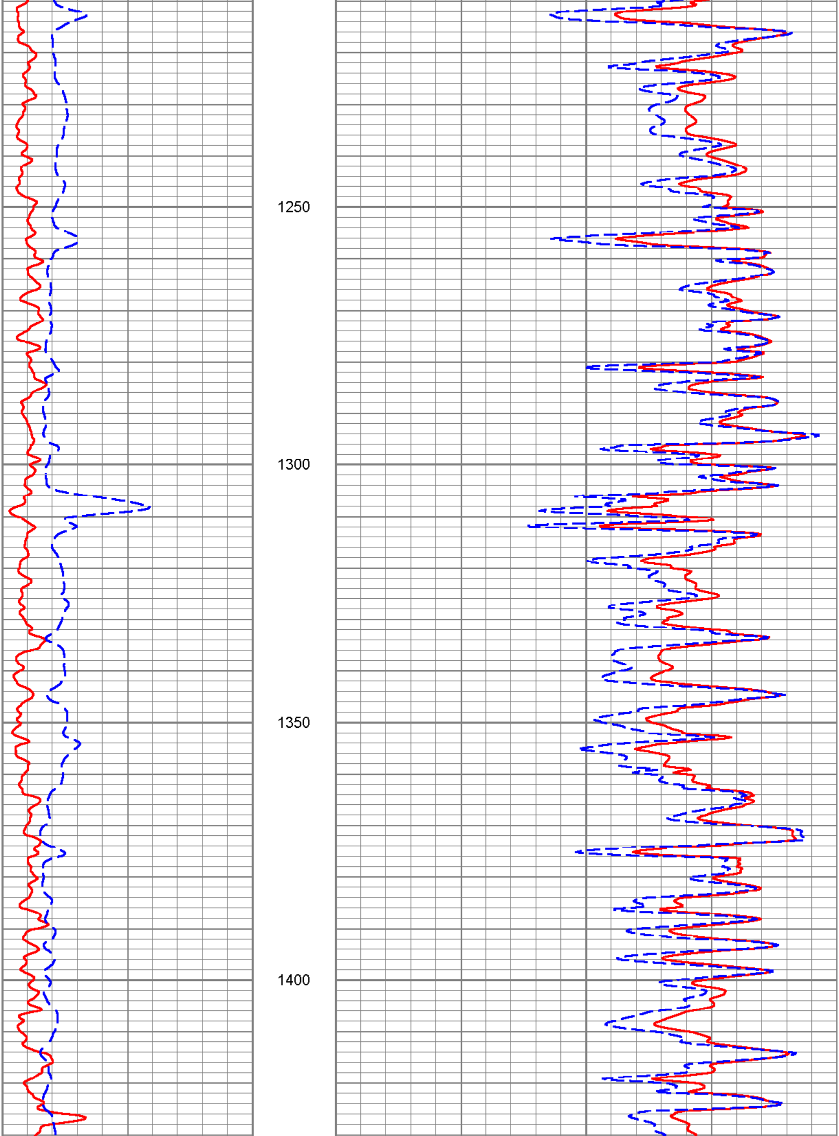
MAIN PASS

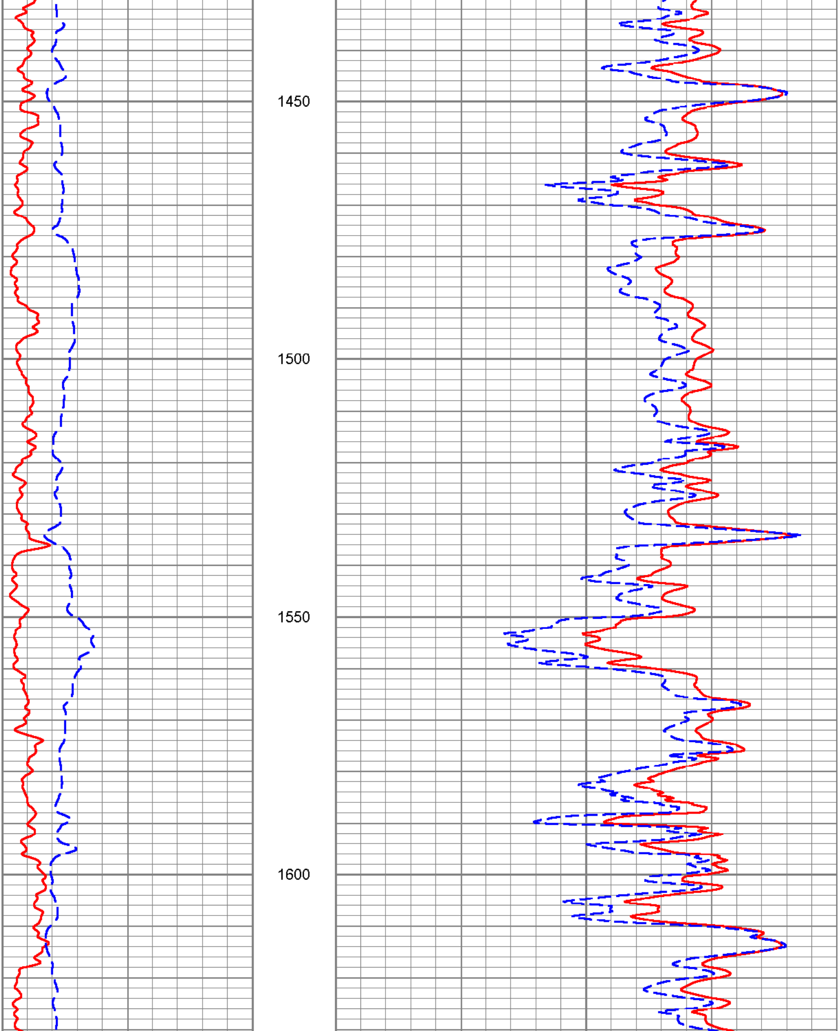
Database File: ftprcmw.db
Dataset Pathname: run3/pass8
Presentation Format: SON_POR
Dataset Creation: Thu Oct 18 17:39:29 2007 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:240

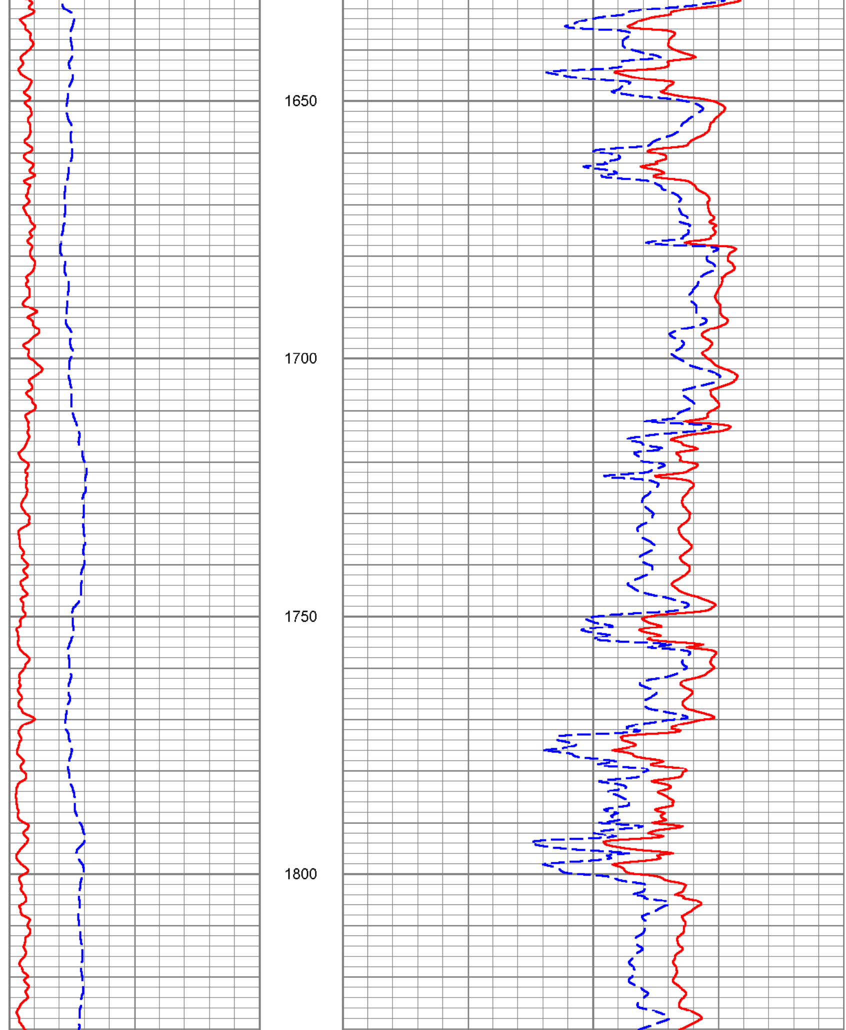


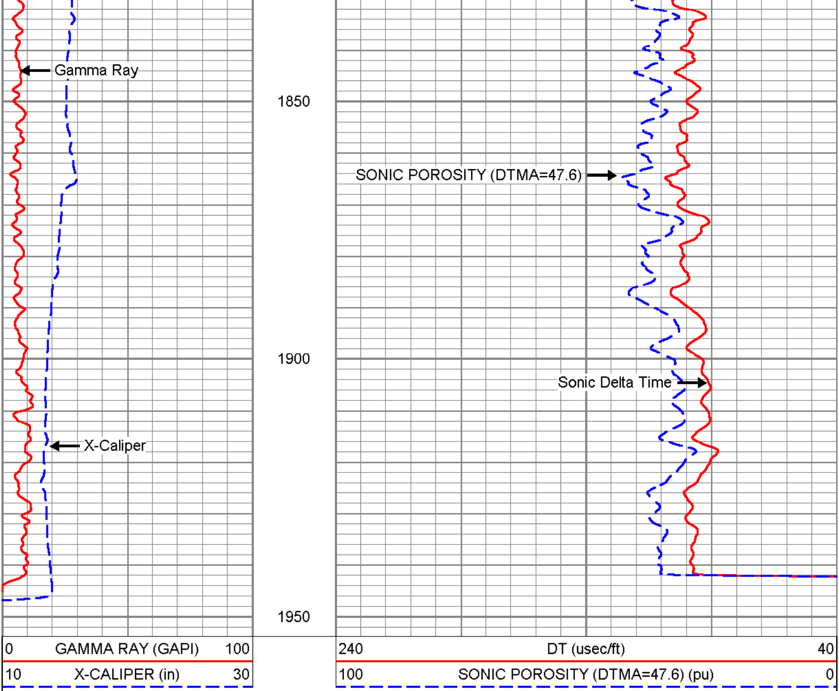












YOUNGQUIST BROTHERS, Inc

GEOPHYSICAL LOGGING DIVISION

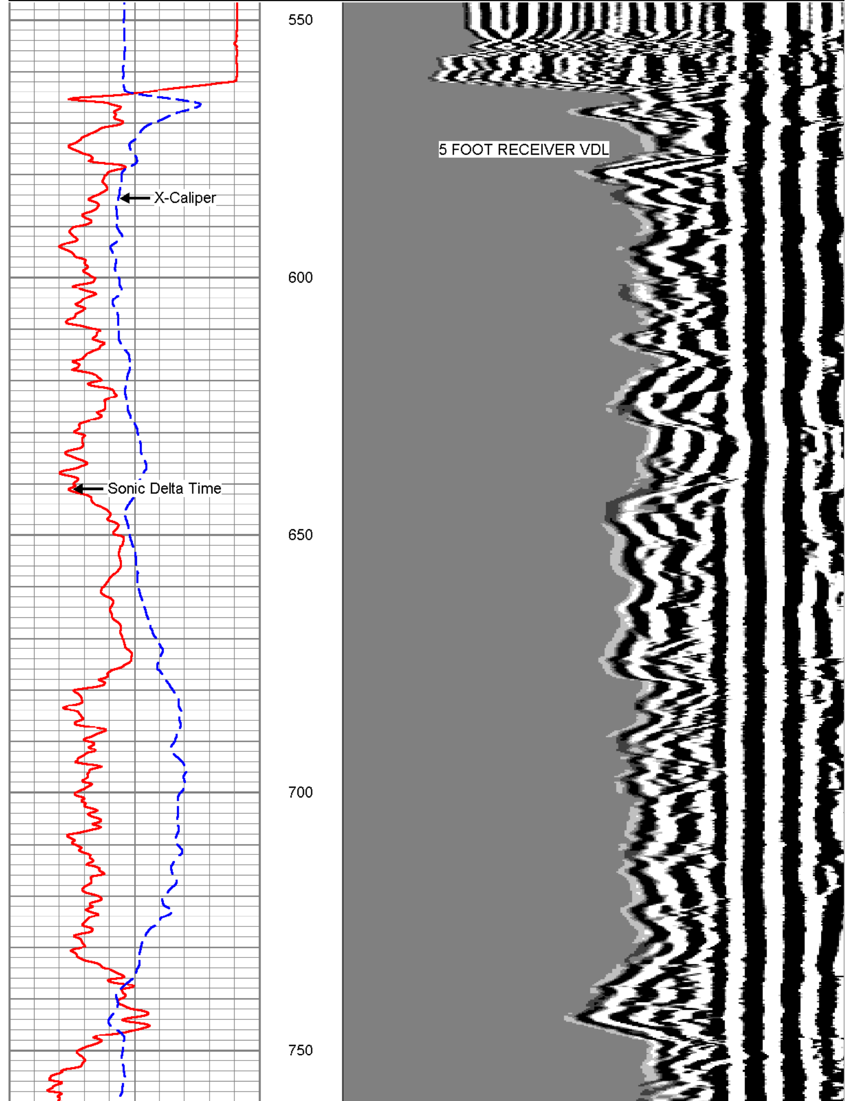
MAIN PASS

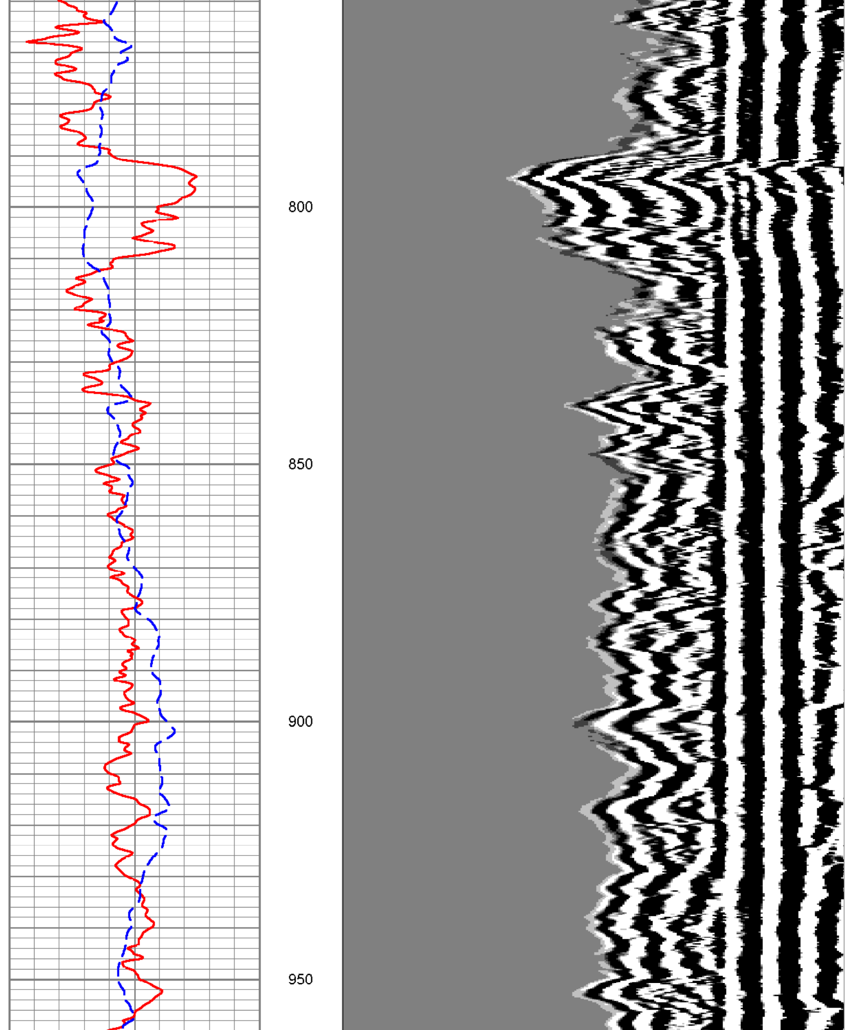
Database File:	ftprcmw.db
Dataset Pathname:	run3/pass8
Presentation Format:	SON_VDL
Dataset Creation:	Thu Oct 18 17:39:29 2007 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240

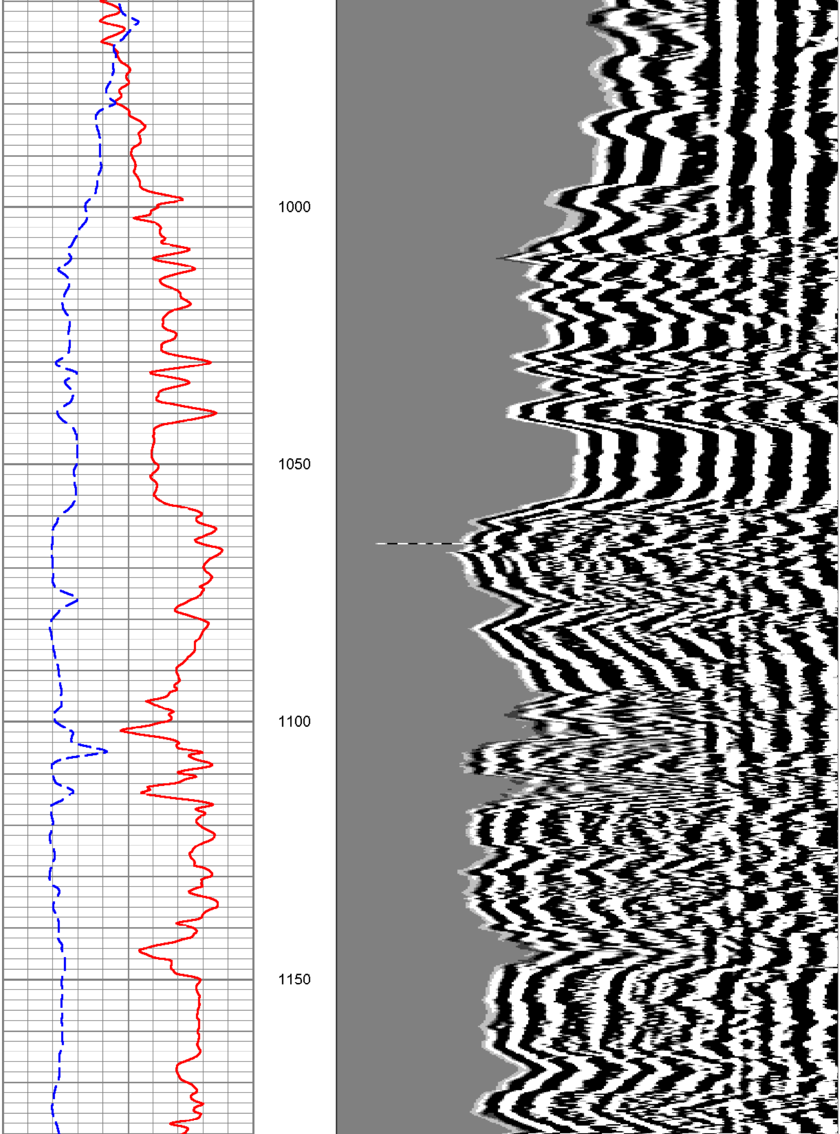
240 DT (usec/ft) 40

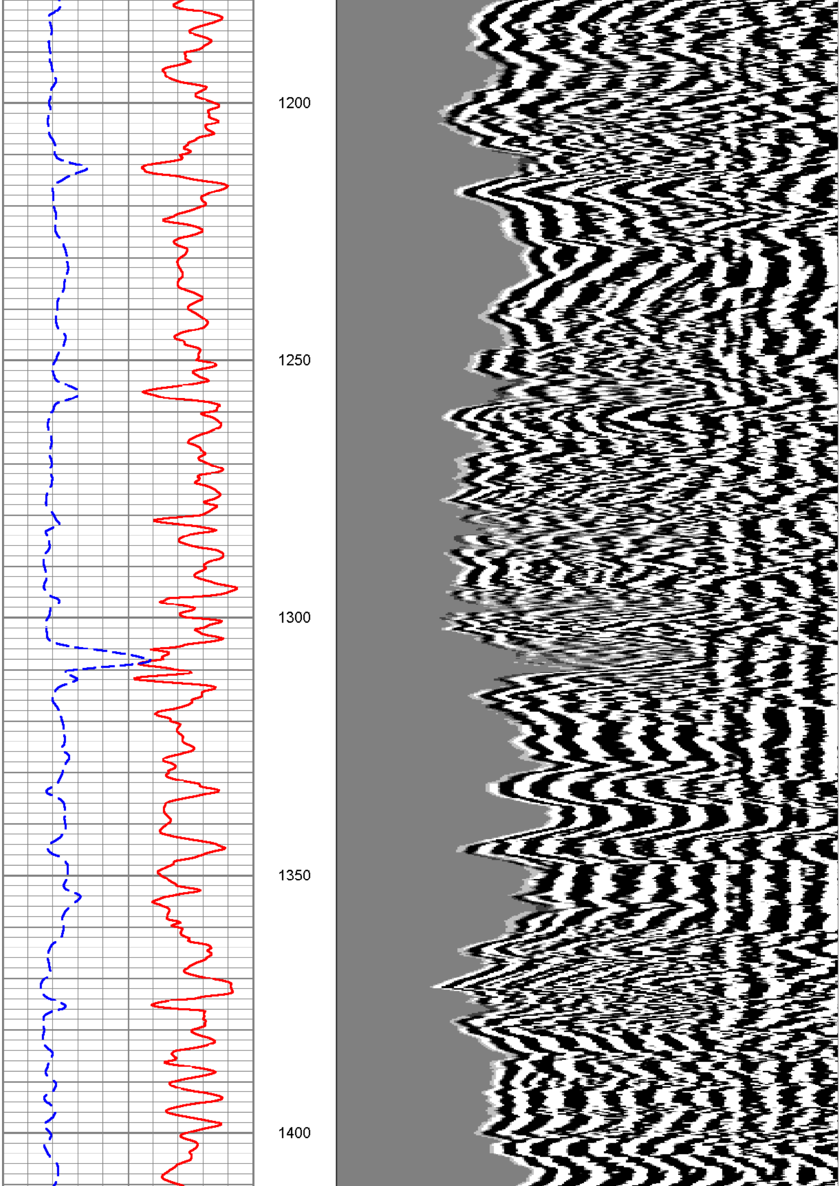
10 X-CALIPER (in) 30

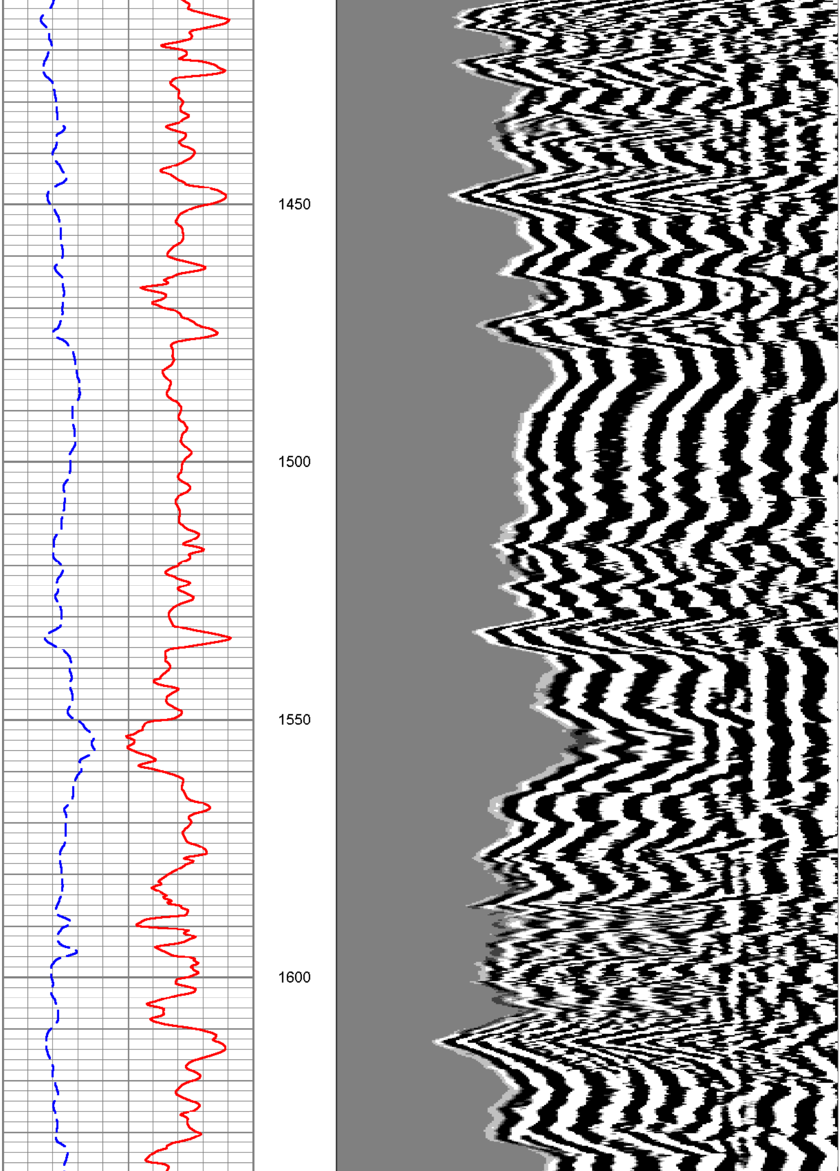
400 5 FOOT RECEIVER VDL 1400

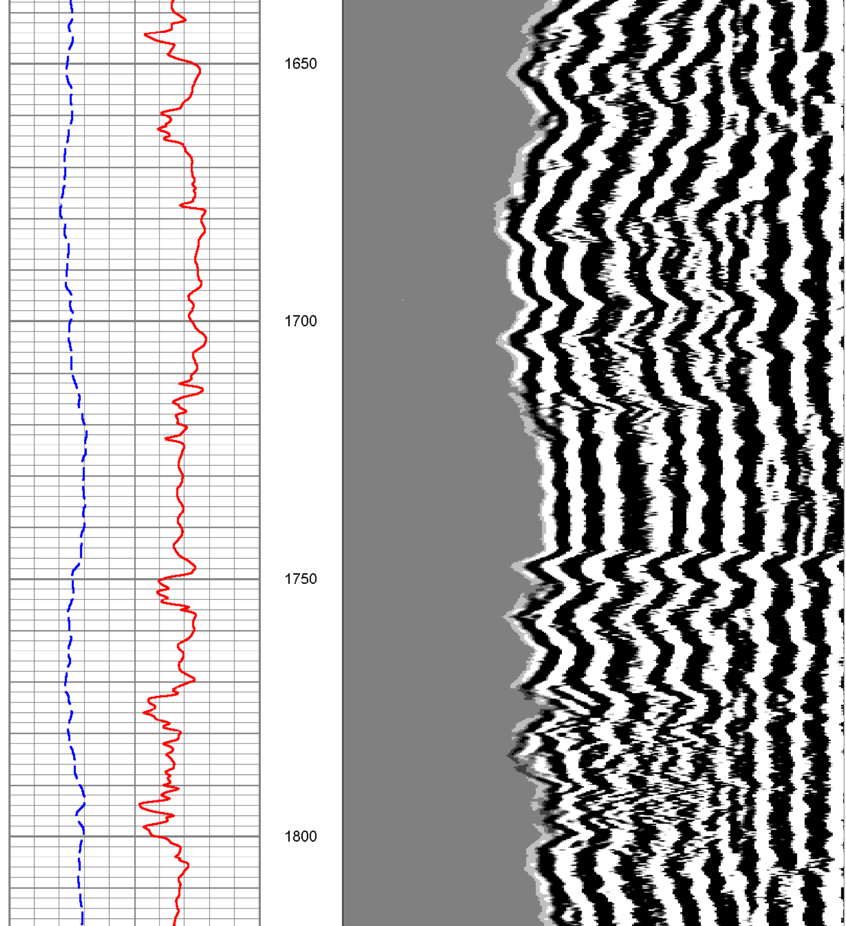


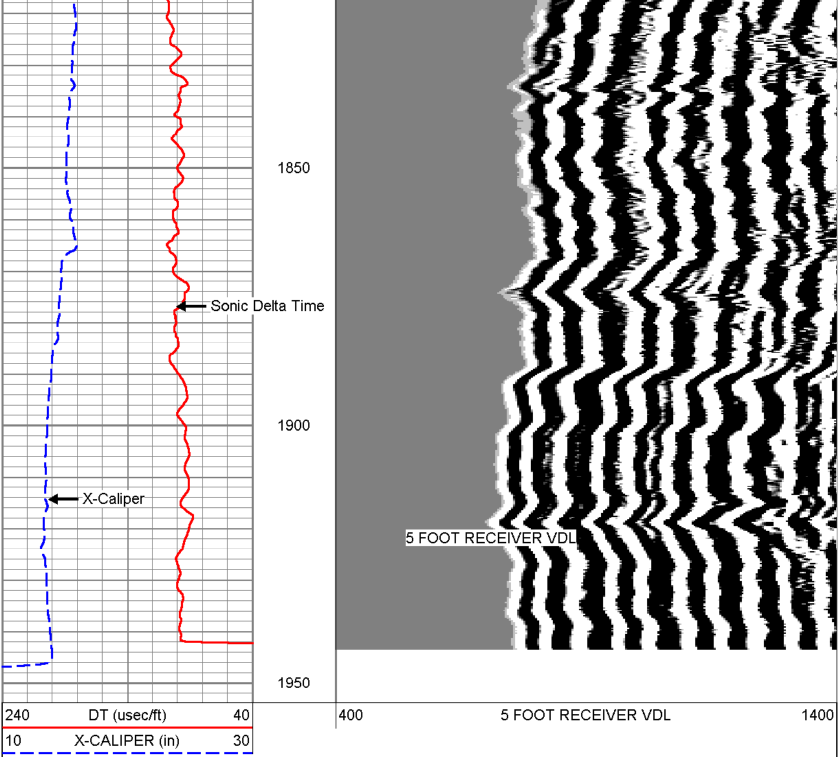








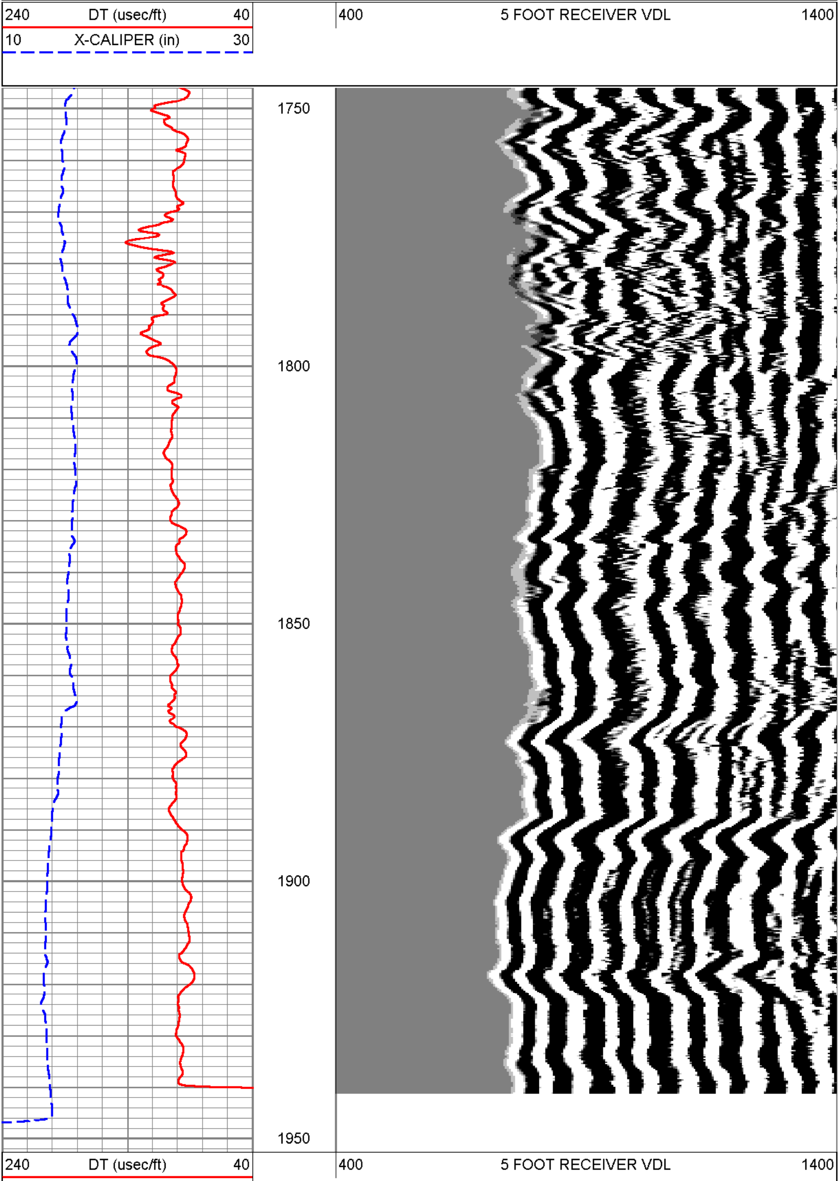




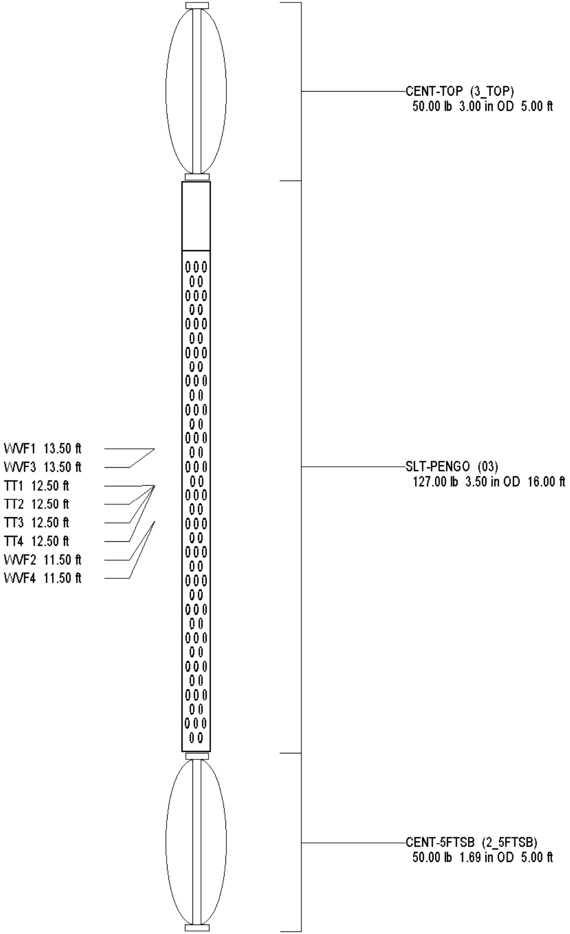
YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

REPEAT PASS

Database File:	ftprcmw.db
Dataset Pathname:	run3/pass7
Presentation Format:	SON_VDL
Dataset Creation:	Thu Oct 18 17:28:43 2007 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240



10 X-CALIPER (in) 30

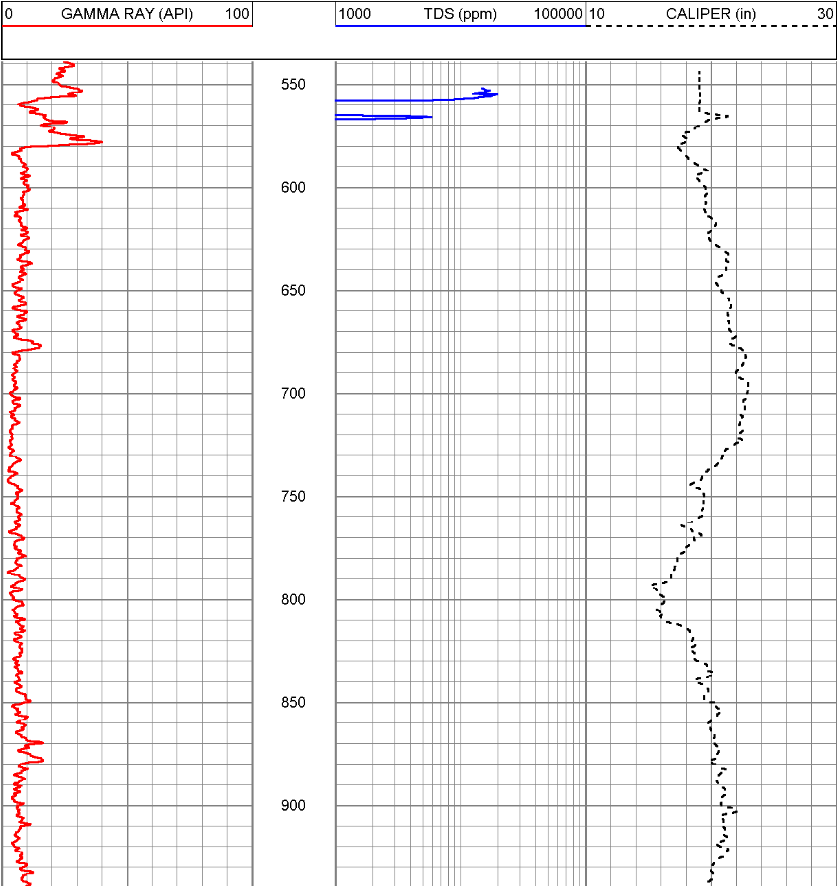
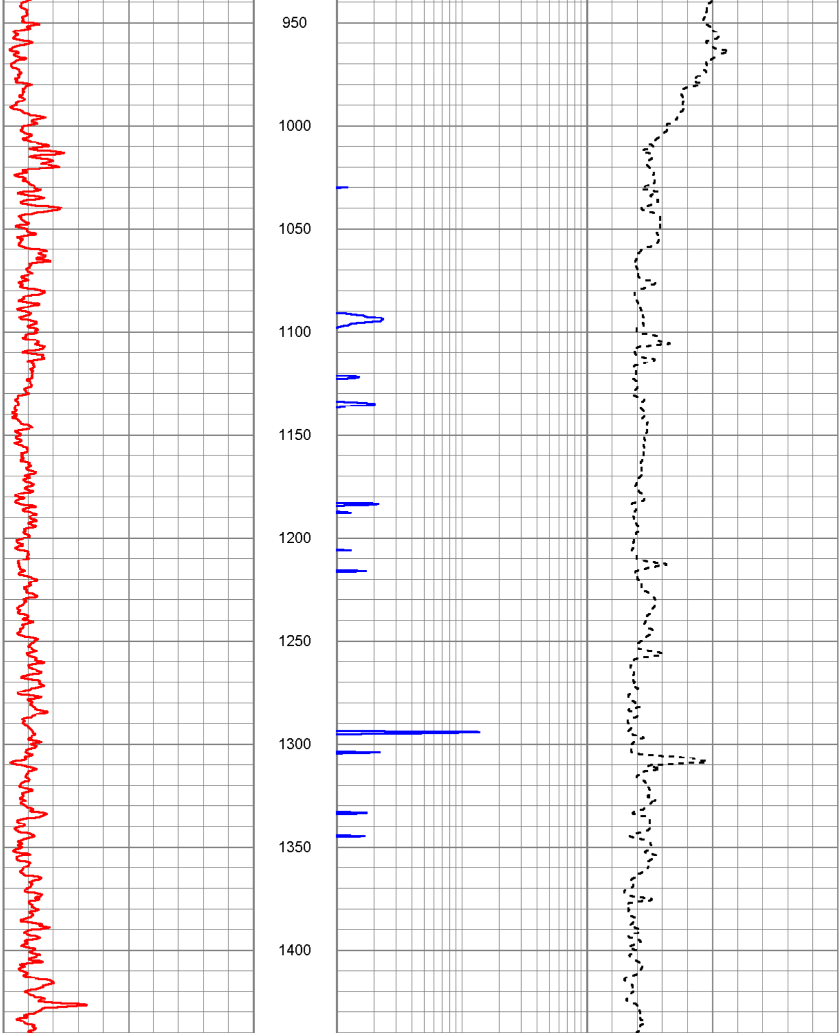
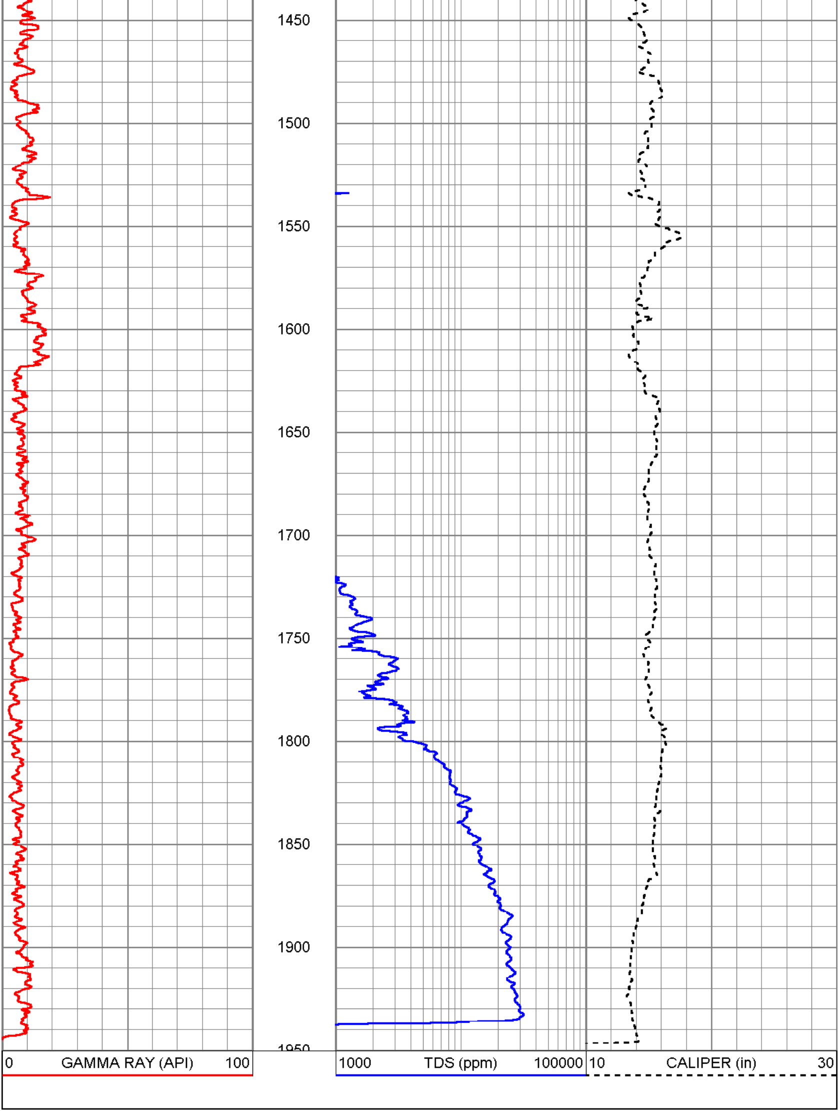


CENT-TOP (3_TOP)
50.00 lb 3.00 in OD 5.00 ft
WVF1 13.50 ft
WVF3 13.50 ft
TT1 12.50 ft
TT2 12.50 ft
TT3 12.50 ft
TT4 12.50 ft
WVF2 11.50 ft
WVF4 11.50 ft
SLT-PENGO (03)
127.00 lb 3.50 in OD 16.00 ft
CENT-5FTSB (2_5FTSB)
50.00 lb 1.69 in OD 5.00 ft

Dataset:	run3/pass8
Total Length:	26.00 ft
Total Weight:	227.00 lb
O.D.	3.50 in

YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

LOG DERIVED TDS

Database File:	ftprcmw.db
Dataset Pathname:	run3/TDS
Presentation Format:	TDS
Dataset Creation:	Thu Oct 18 18:25:01 2007
Charted by:	Depth in Feet scaled 1:600