YOUNGQUIST BROTHERS, Inc

GEOPHYSICAL LOGGING DIVISION

RADIOACTIVE TRACER SURVEY LOG

Company PALM BEACH COUNTY
Well IW #1
Field LAKE REGION
County PALM BEACH
State FLORIDA

Company	PALM BEACH COUNTY WATER UTIL.
Well	DEEP INJECTION WELL #1
Field	LAKE REGION
County	PALM BEACH State FLORIDA

Location		Other Services SEE COMMENTS	
Permanent Datum	PAD	Elevation	Elevation K.B. D.F. G.L.
Log Measured From	PAD		
Drilling Measured From	PAD		

Date	15-JUN-06		
Run Number	MIT '06		
Depth Driller	3500'		
Depth Logger	3500'		
Bottom Logged Interval	3500'		
Top Log Interval	SURFACE		
Open Hole Size	17.5"		
Type Fluid	WATER		
Density / Viscosity	NA		
Max. Recorded Temp.	87 DEGF.		
Estimated Cement Top	NA		
Time Well Ready	ON ARRIVAL		
Time Logger on Bottom	0000		
Equipment Number	102		
Location	FT.MYERS		
Recorded By	LEE	CATHEY	
Witnessed By	T.URAM		

Borehole Record				Borehole Record			
Run Number	Bit	From	To	Run No.	Bit	From	To
NINE	17.5"	2952'	3500'				
	18.25"	2950'	2952'				
	26.5"	CASING	2950'				
	17.5"	CASING	3500'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	48"	.375 W.T.	SURFACE	188'
Prot. String	36"	.375 W.T	SURFACE	846'
Production String	28"	.375" W.T.	SURFACE	1920'
Liner	18"	.500 W.T	SURFACE	2953'
	13.375"	1.375" W.T	SURFACE	2941'

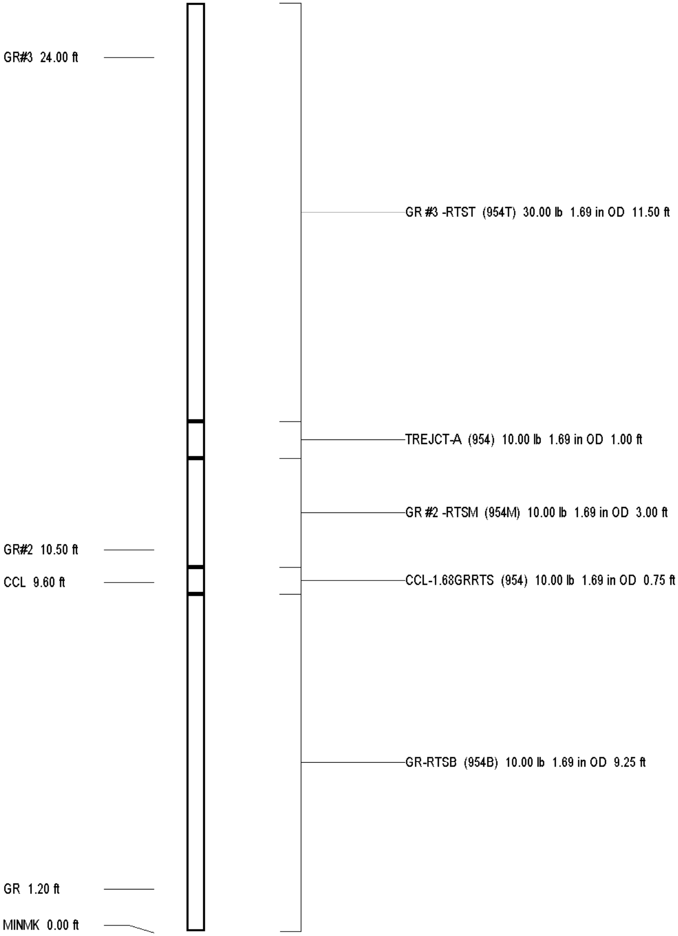
<<< Fold Here >>>

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

HRT

EJECTOR PORT 13.5' FROM TOOL BOTTOM.

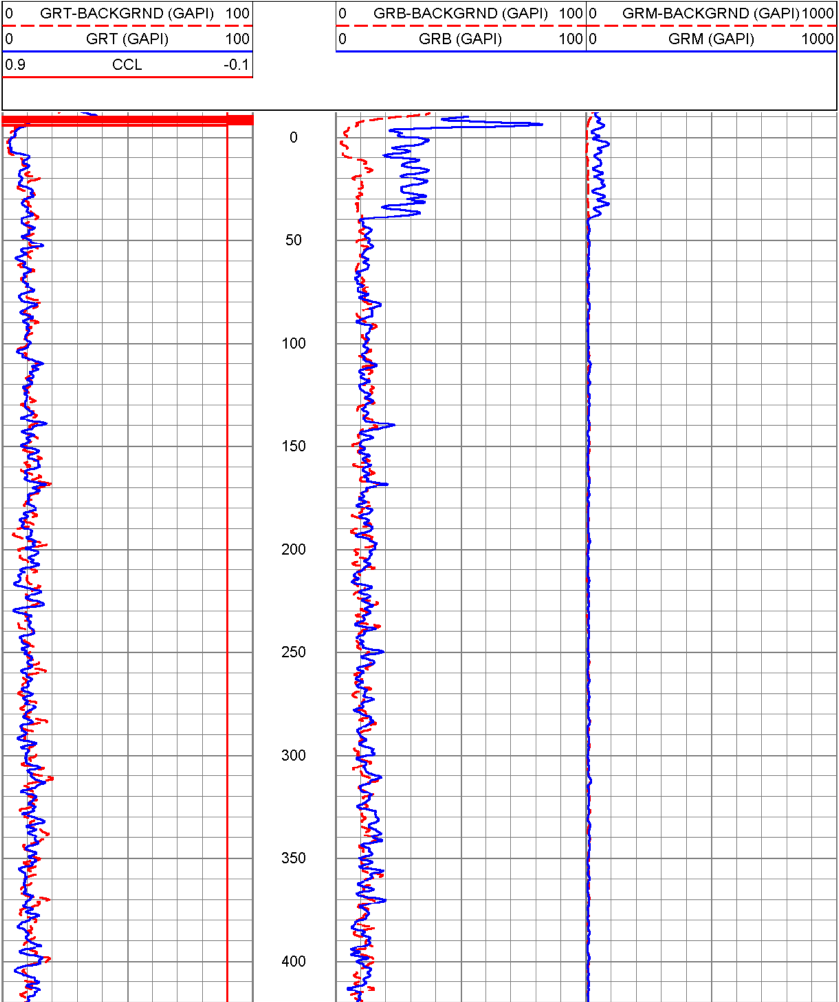

GR#3 24.00 ft
GR #3 -RTST (954T) 30.00 lb 1.69 in OD 11.50 ft
TREJCT-A (954) 10.00 lb 1.69 in OD 1.00 ft
GR #2 -RTSM (954M) 10.00 lb 1.69 in OD 3.00 ft
GR#2 10.50 ft
CCL 9.60 ft
CCL-1.68GRRTS (954) 10.00 lb 1.69 in OD 0.75 ft
GR-RTSB (954B) 10.00 lb 1.69 in OD 9.25 ft
GR 1.20 ft
MINMK 0.00 ft

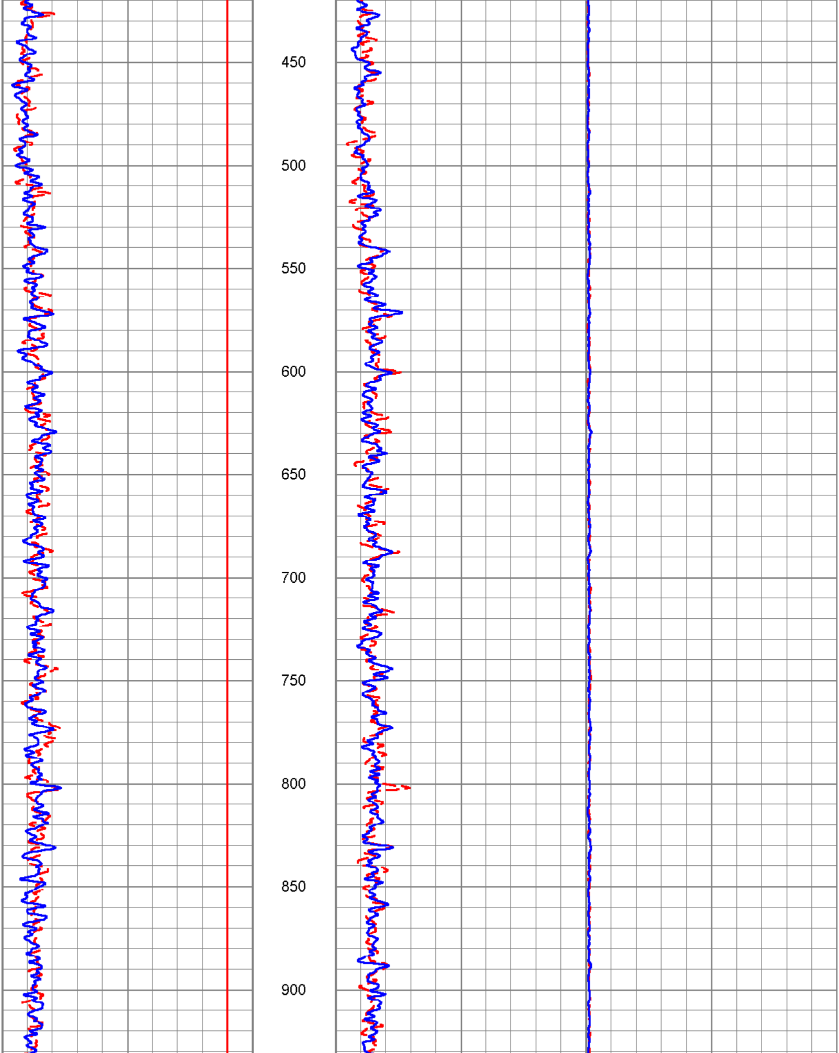
Dataset:	run1/RTS6
Total Length:	25.50 ft
Total Weight:	70.00 lb
O.D.	1.69 in

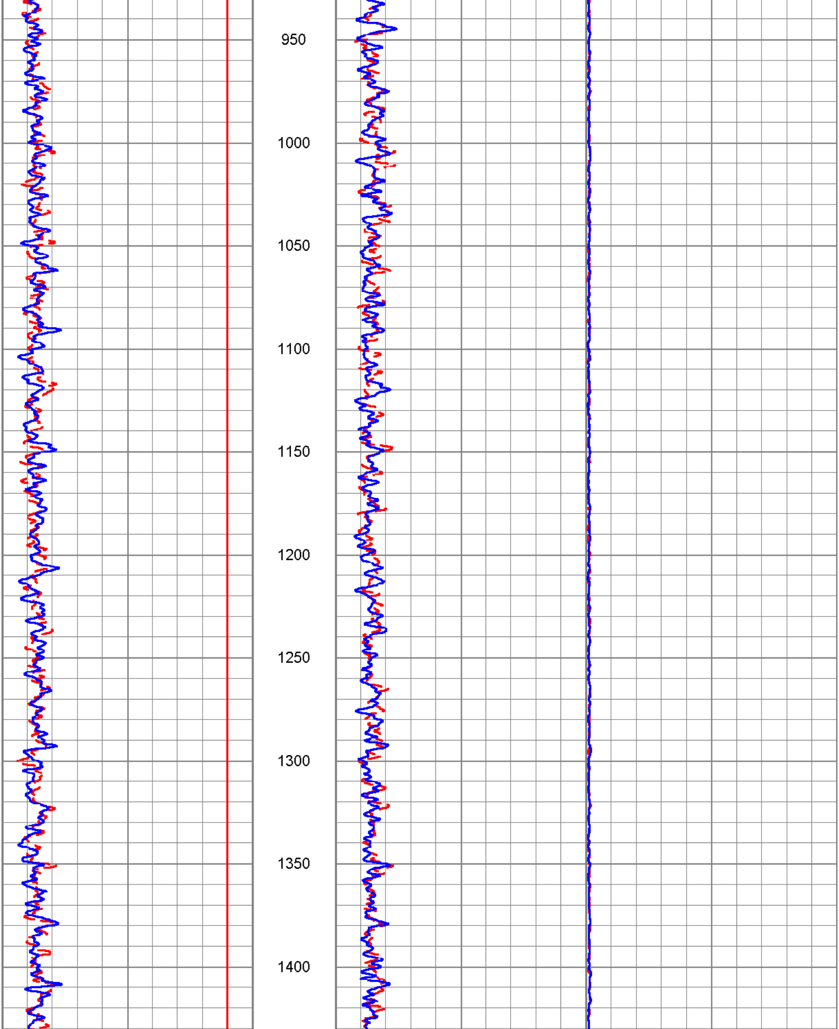
YOUNGQUIST
BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

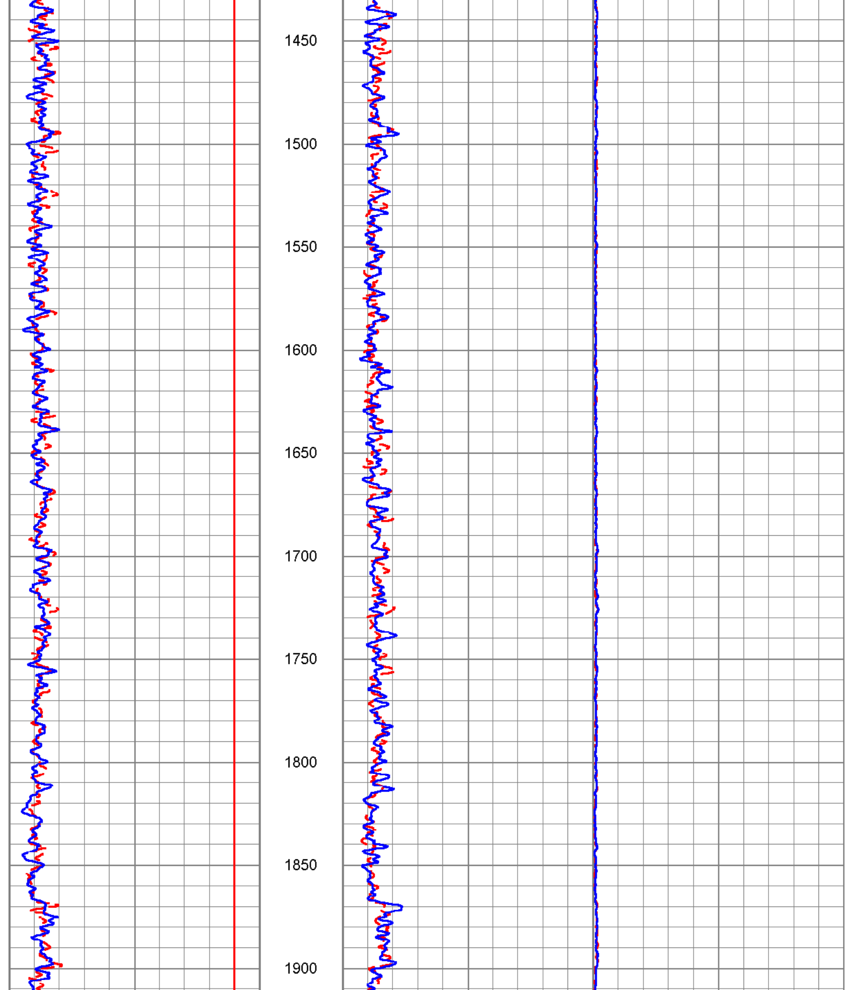
FINAL GAMMA RAY

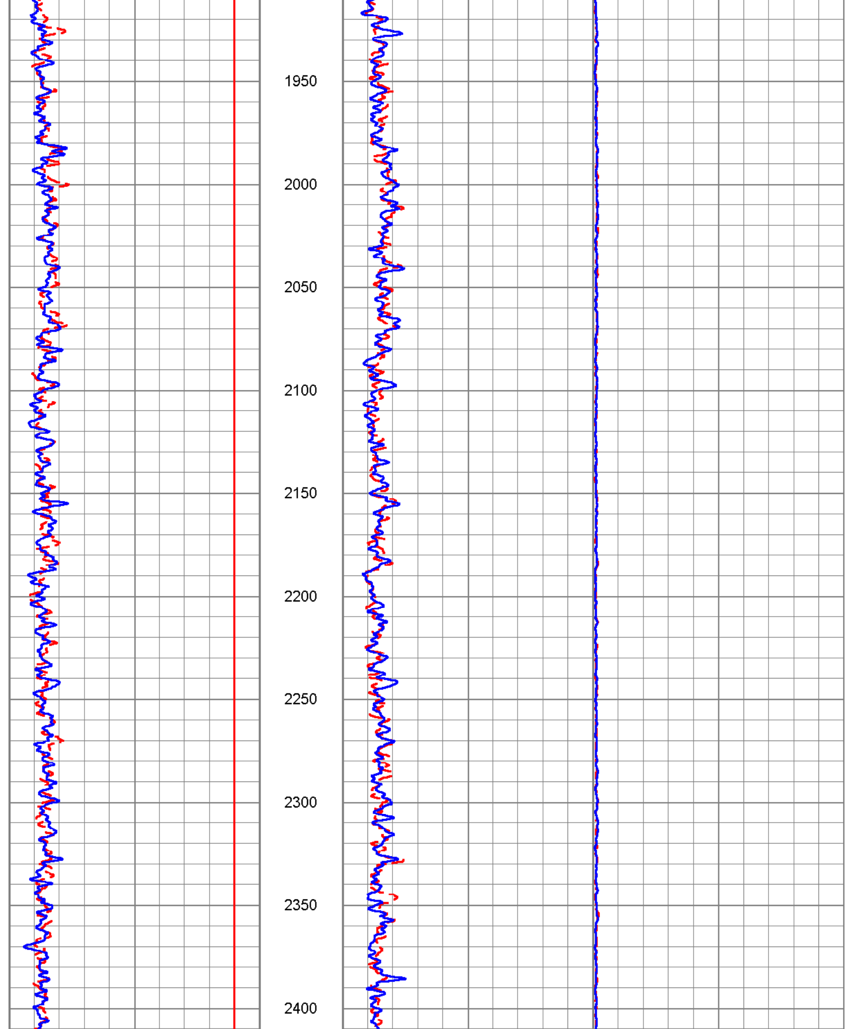
Database File: bellirts.db
Dataset Pathname: RTS6
Presentation Format: RTSFINBK
Dataset Creation: Thu Jun 15 11:32:33 2006 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:600

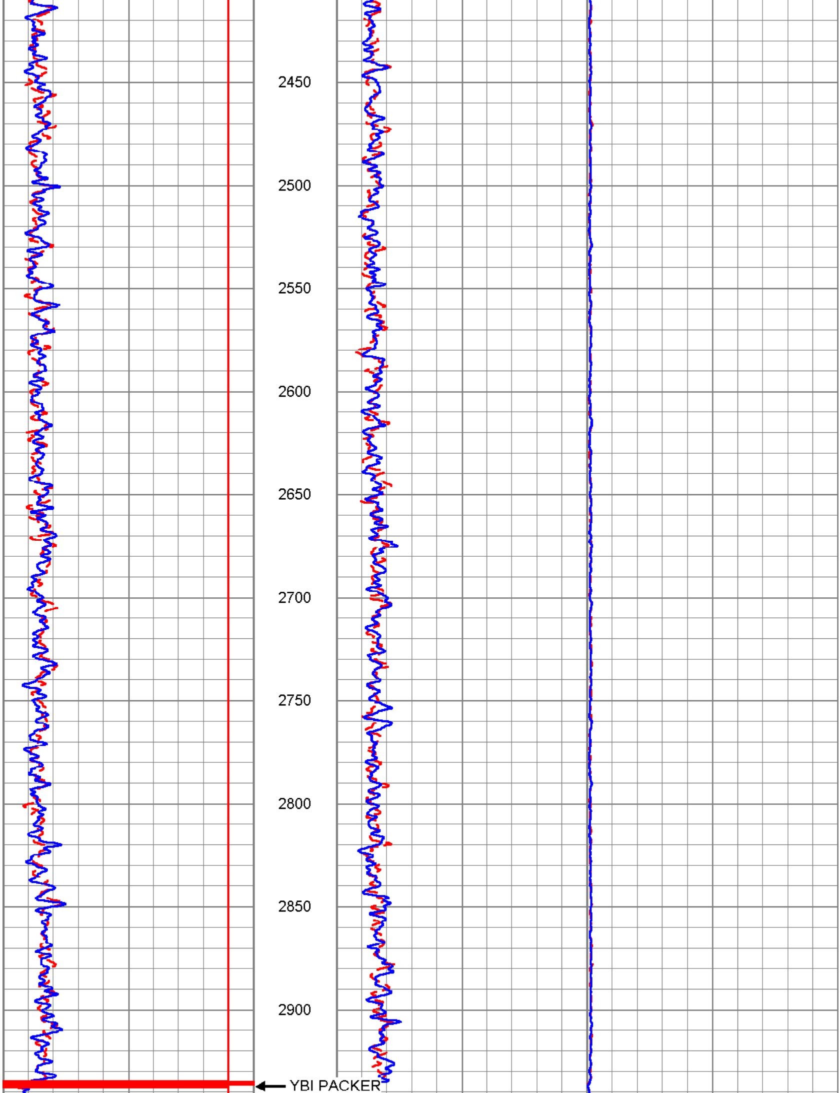


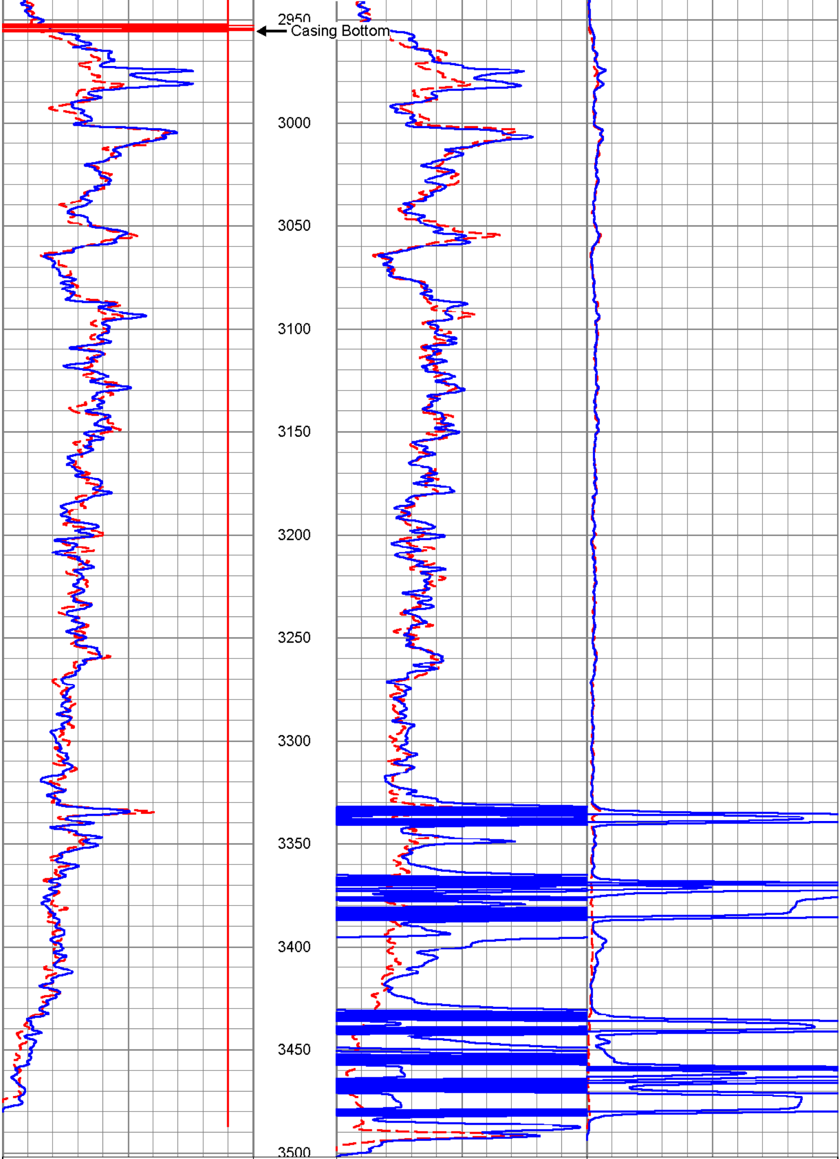












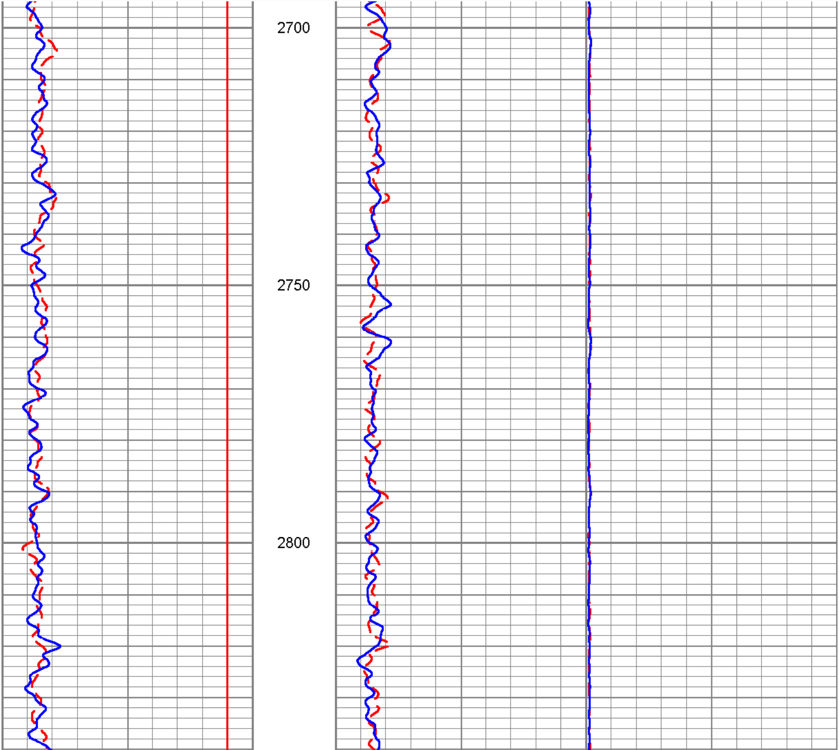
0 GRT-BACKGRND (GAPI) 100	0 GRB-BACKGRND (GAPI) 100	0 GRM-BACKGRND (GAPI) 1000
0 GRT (GAPI) 100	0 GRB (GAPI) 100	0 GRM (GAPI) 1000
0.9 CCL -0.1		

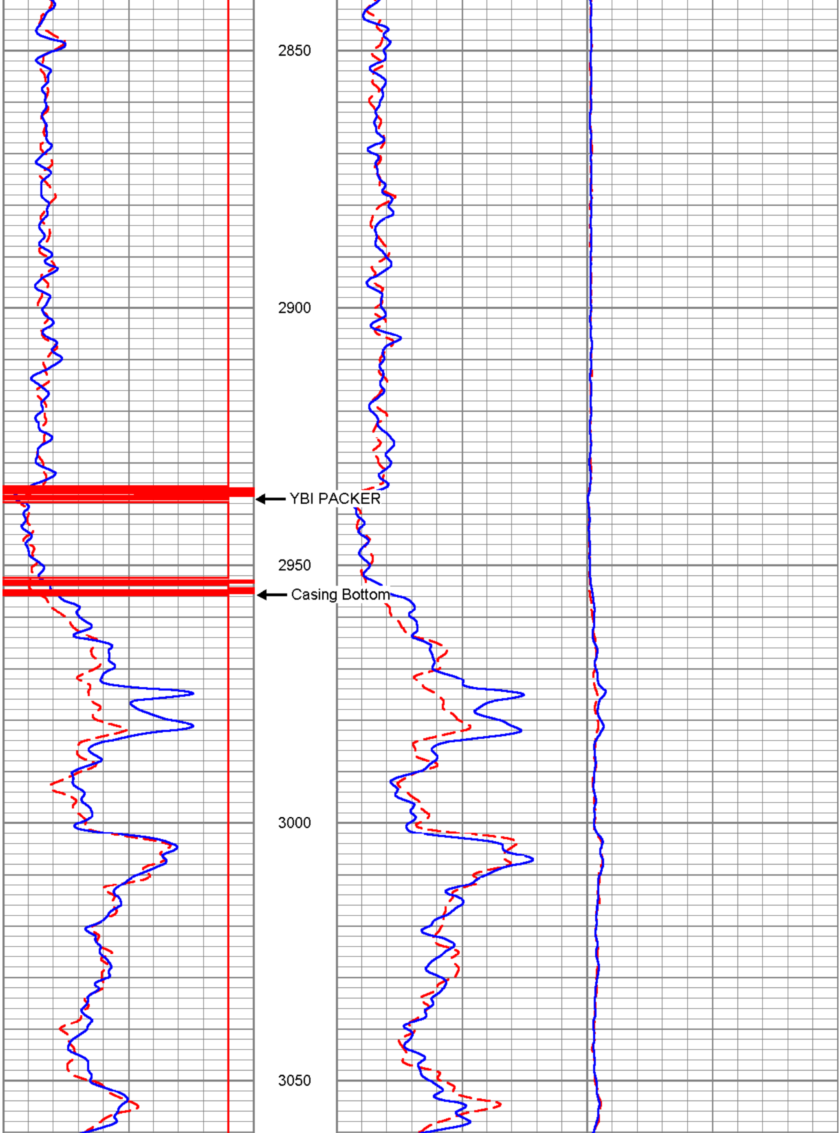
YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

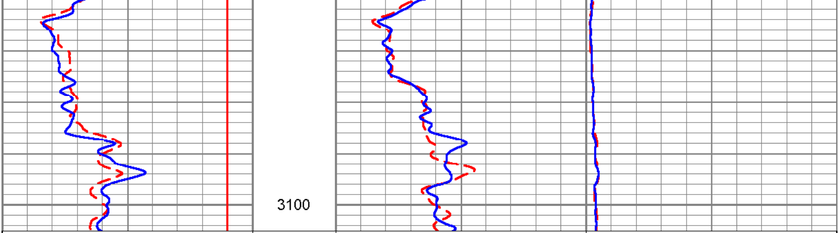
FINAL GAMMA RAY

Database File:	bellirts.db
Dataset Pathname:	RTS6
Presentation Format:	RTSFINBK
Dataset Creation:	Thu Jun 15 11:32:33 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240

0 GRT-BACKGRND (GAPI) 100	0 GRB-BACKGRND (GAPI) 100	0 GRM-BACKGRND (GAPI) 1000
0 GRT (GAPI) 100	0 GRB (GAPI) 100	0 GRM (GAPI) 1000
0.9 CCL -0.1		







0 GRT-BACKGRND (GAPI) 100
0 GRT (GAPI) 100
0.9 CCL -0.1

0 GRB-BACKGRND (GAPI) 100
0 GRB (GAPI) 100

0 GRM-BACKGRND (GAPI) 1000
0 GRM (GAPI) 1000

YOUNGQUIST
BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

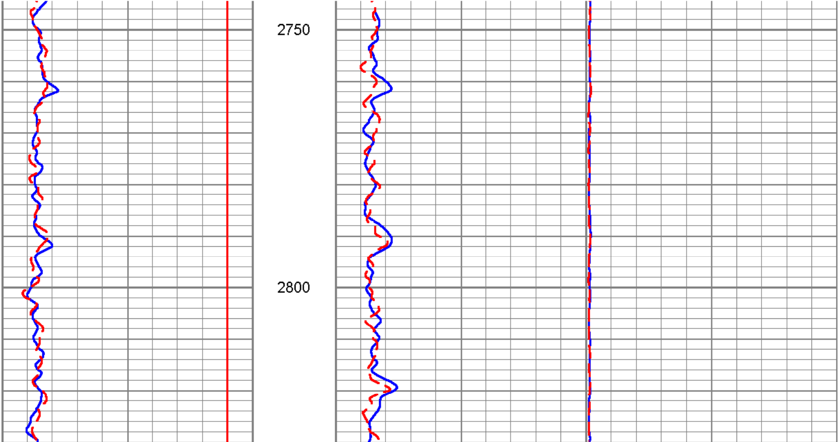
LOP #2

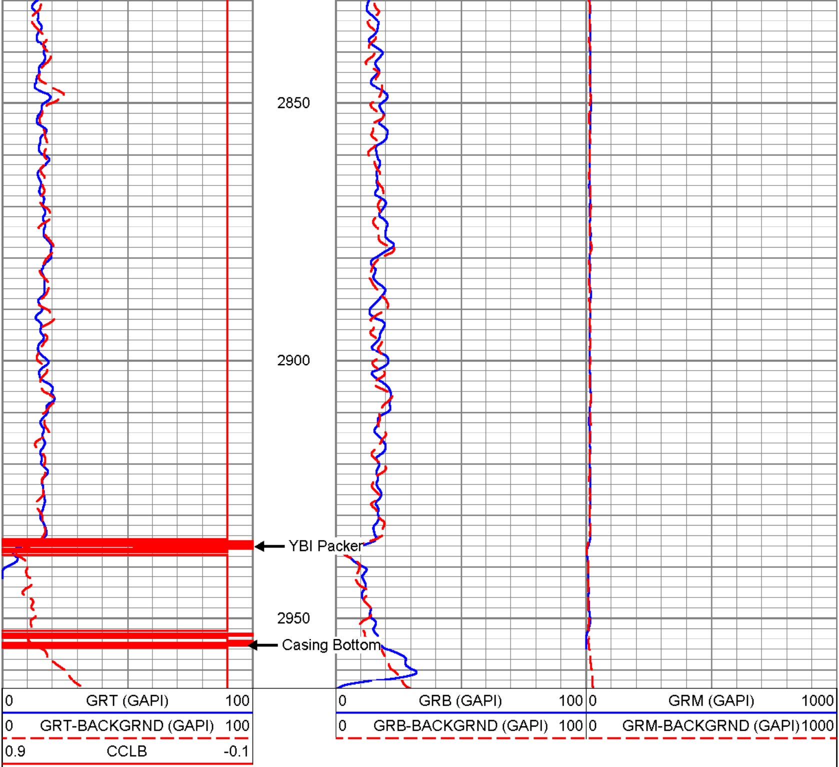
Database File: bellirts.db
Dataset Pathname: RTS5
Presentation Format: RTSLOP
Dataset Creation: Thu Jun 15 11:19:26 2006 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:240

0 GRT (GAPI) 100
0 GRT-BACKGRND (GAPI) 100
0.9 CCLB -0.1

0 GRB (GAPI) 100
0 GRB-BACKGRND (GAPI) 100

0 GRM (GAPI) 1000
0 GRM-BACKGRND (GAPI) 1000

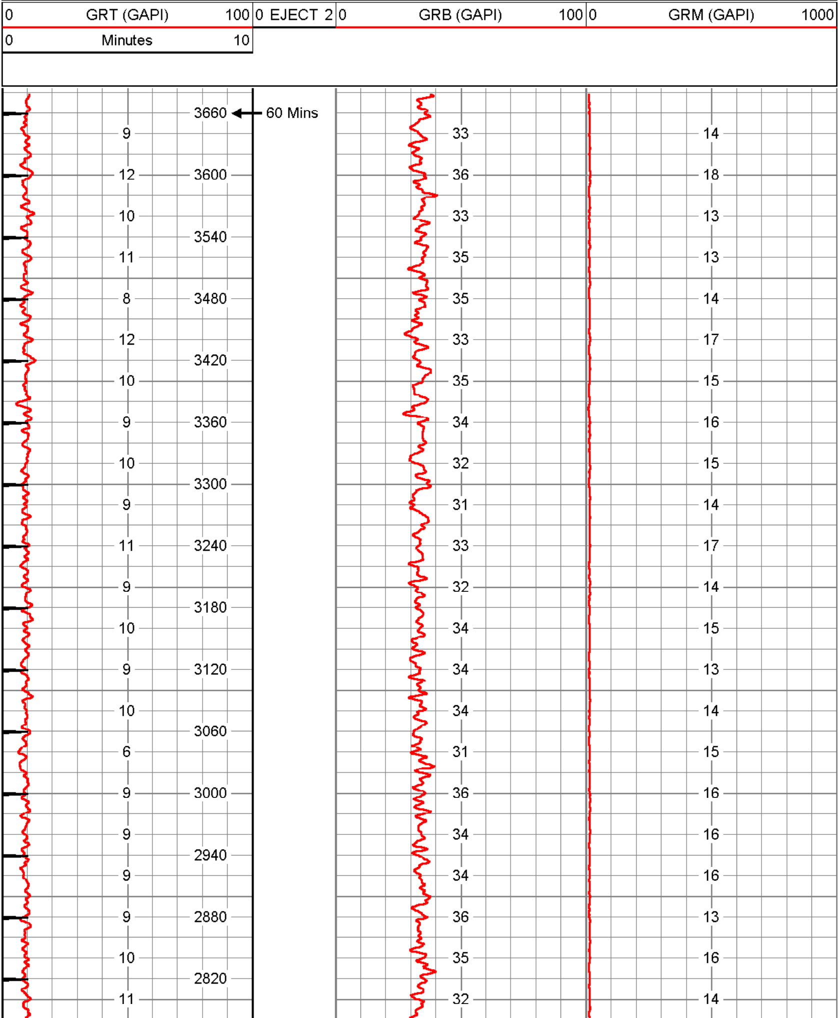


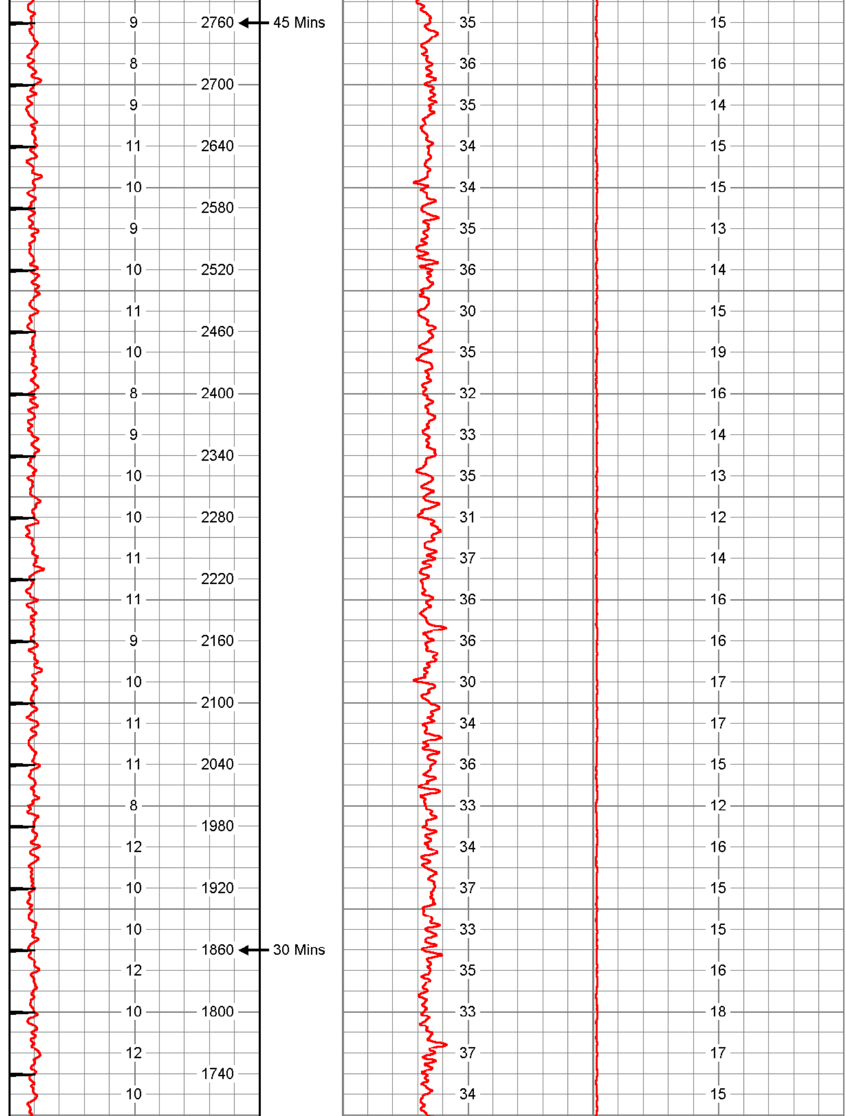


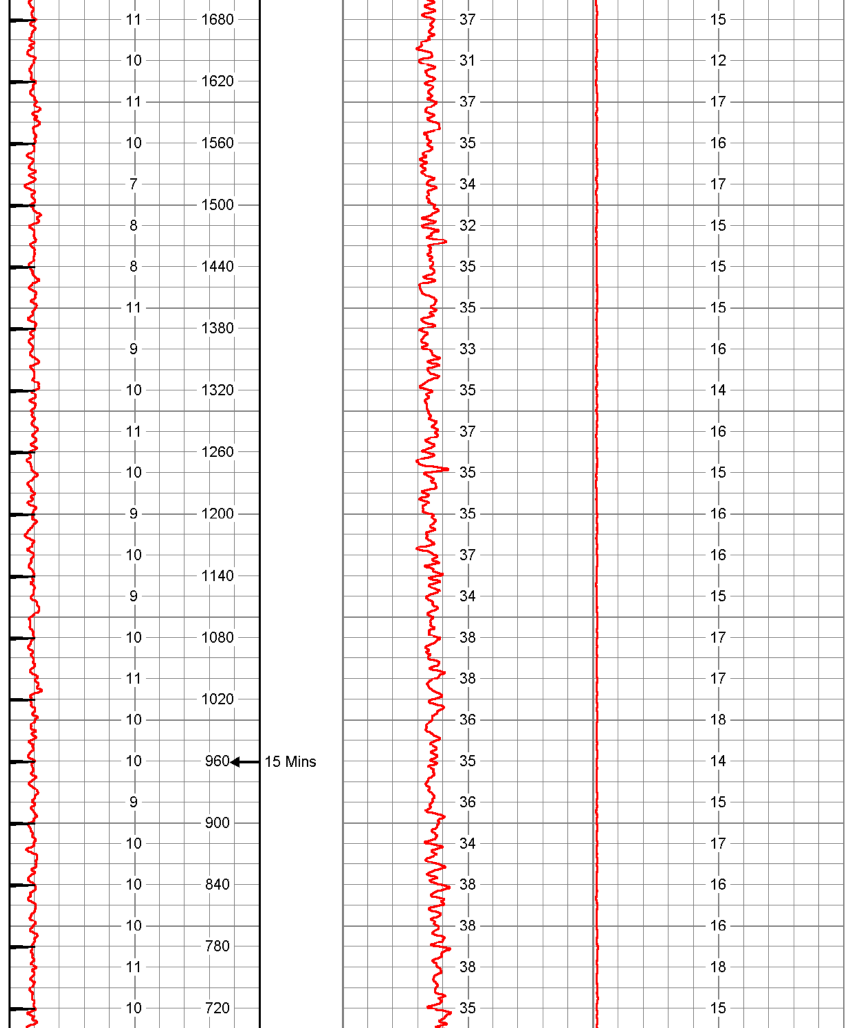
YOUNGQUIST
BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

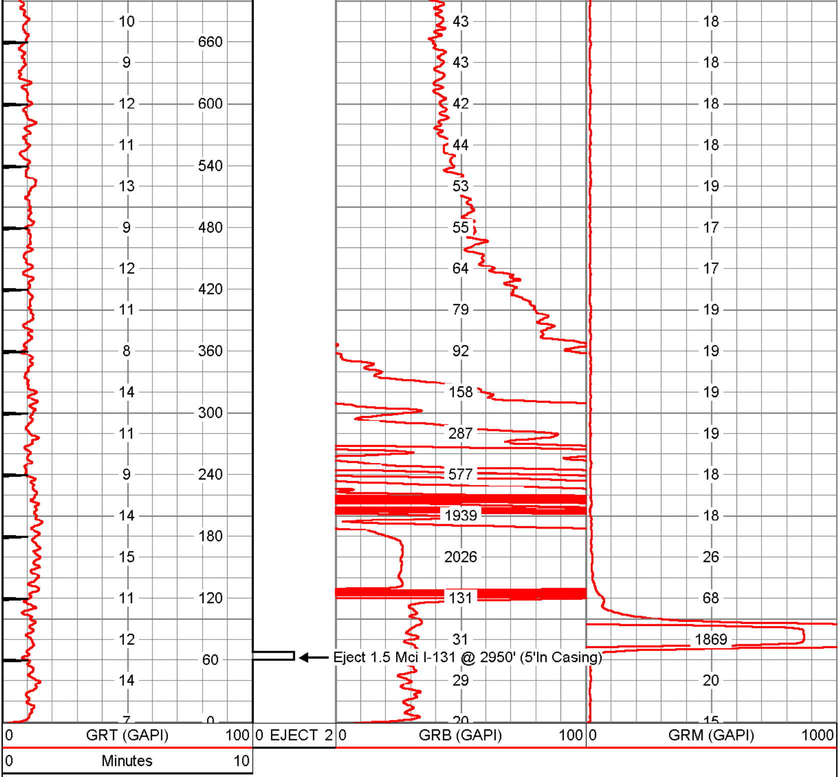
TEST #2 (107 GPM)

Database File:	bellirts.db
Dataset Pathname:	RTS4
Presentation Format:	RTSTIME
Dataset Creation:	Thu Jun 15 10:17:48 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:600





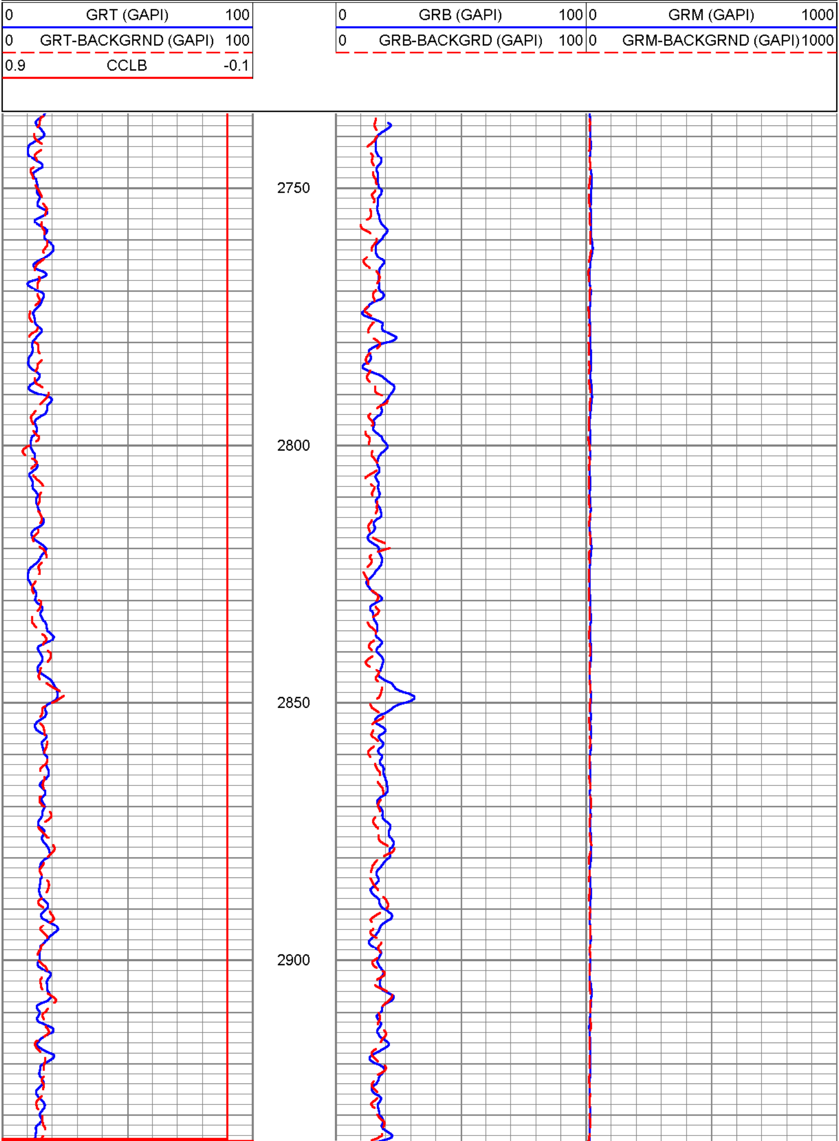


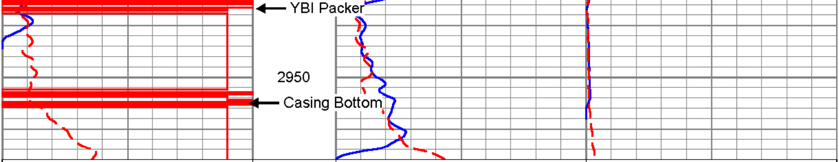


YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

LAF #1

Database File:	bellirts.db
Dataset Pathname:	RTS3
Presentation Format:	RTSLAF
Dataset Creation:	Thu Jun 15 10:09:54 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240





0 GRT (GAPI) 100
0 GRT-BACKGRND (GAPI) 100
0.9 CCLB -0.1

0 GRB (GAPI) 100
0 GRB-BACKGRD (GAPI) 100

0 GRM (GAPI) 1000
0 GRM-BACKGRND (GAPI) 1000

YOUNGQUIST
BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

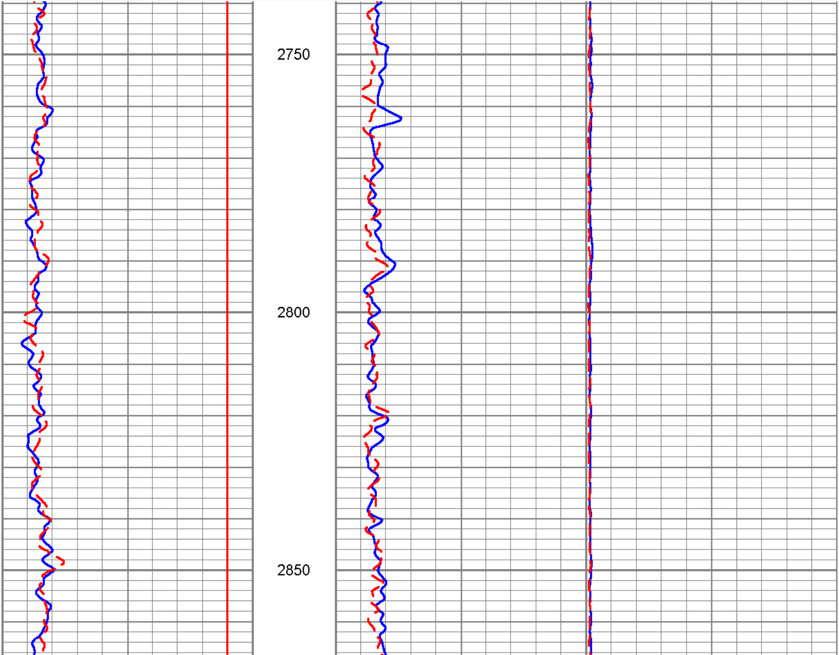
LOP #1

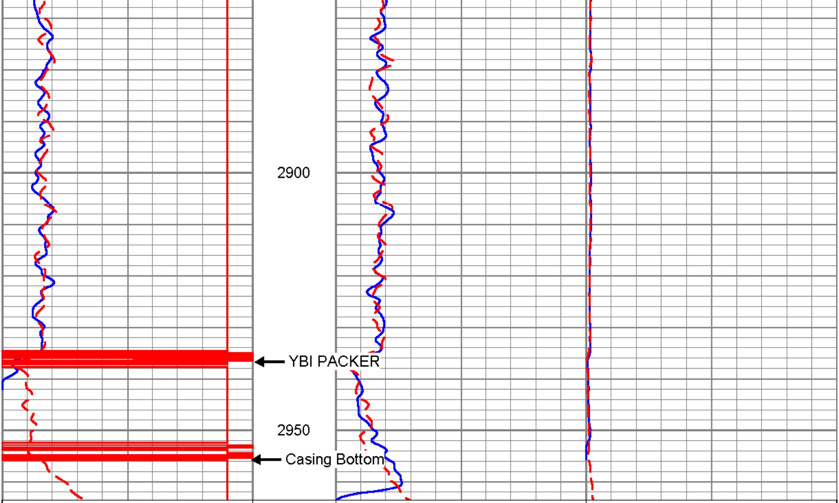
Database File:	bellirts.db
Dataset Pathname:	RTS2
Presentation Format:	RTSLOP
Dataset Creation:	Thu Jun 15 10:01:13 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240

0 GRT (GAPI) 100
0 GRT-BACKGRND (GAPI) 100
0.9 CCLB -0.1

0 GRB (GAPI) 100
0 GRB-BACKGRND (GAPI) 100

0 GRM (GAPI) 1000
0 GRM-BACKGRND (GAPI) 1000





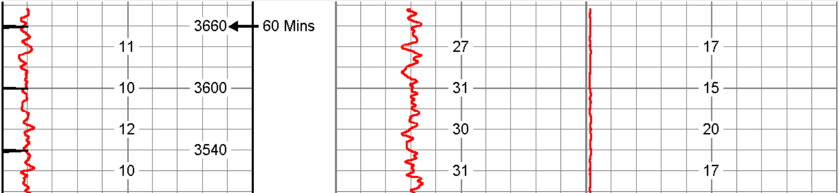
0 GRT (GAPI) 100	0 GRB (GAPI) 100	0 GRM (GAPI) 1000
0 GRT-BACKGRND (GAPI) 100	0 GRB-BACKGRND (GAPI) 100	0 GRM-BACKGRND (GAPI) 1000
0.9 CCLB -0.1		

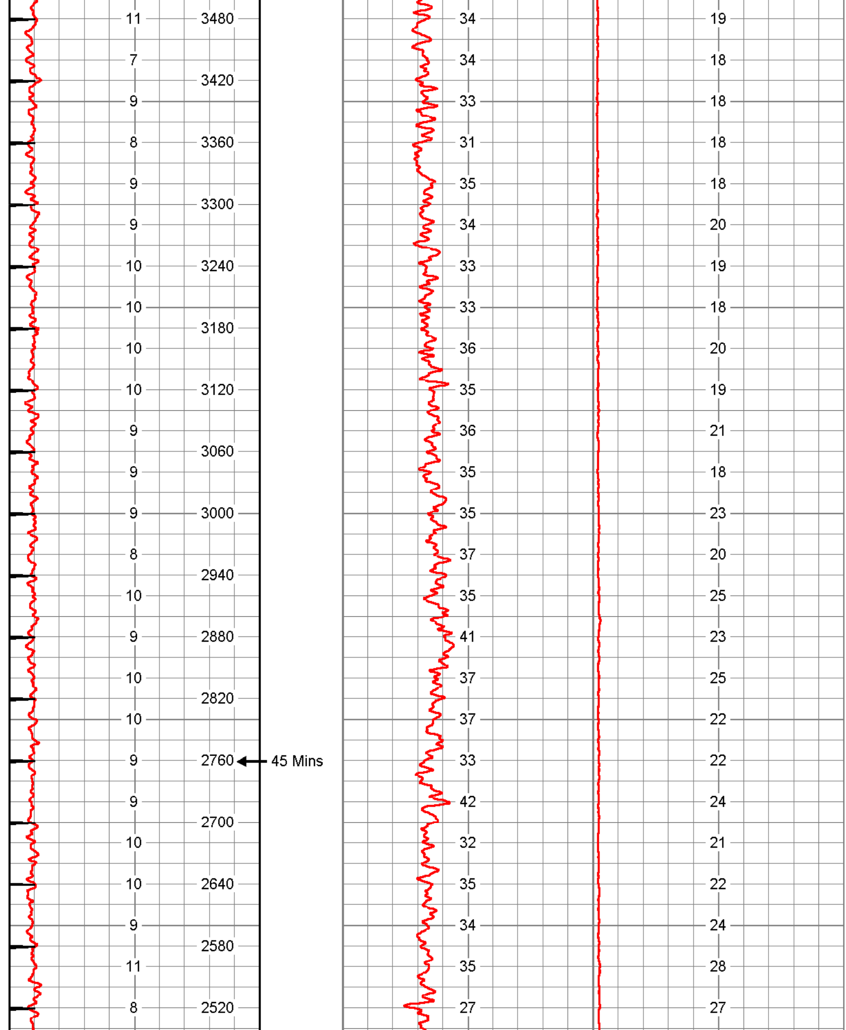
YOUNGQUIST
BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

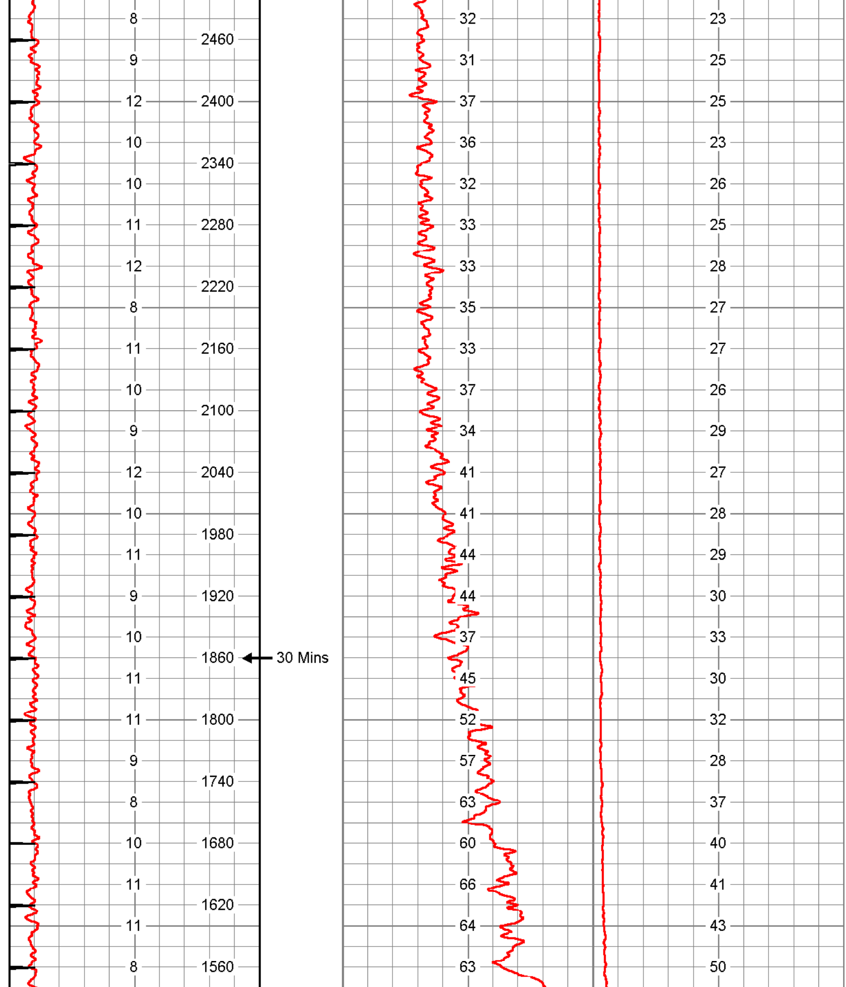
TEST #1 (55 GPM)

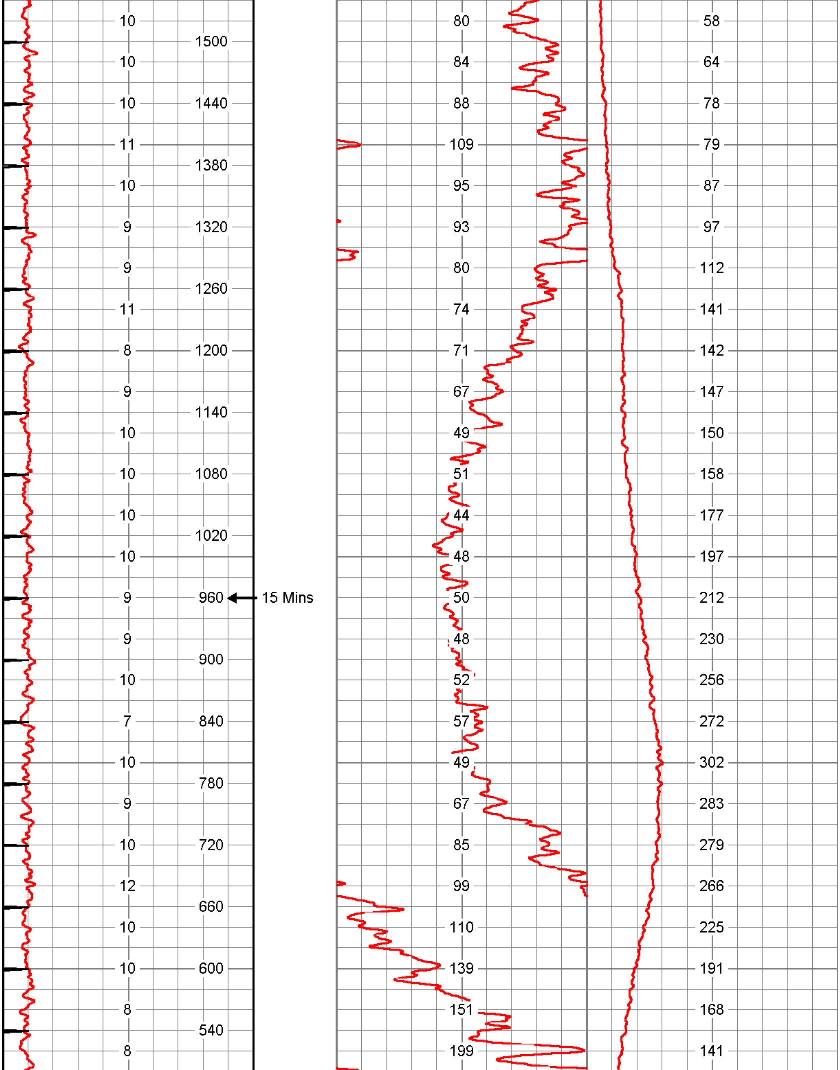
Database File:	bellirts.db
Dataset Pathname:	RTS1
Presentation Format:	RTSTIME
Dataset Creation:	Thu Jun 15 08:59:36 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:600

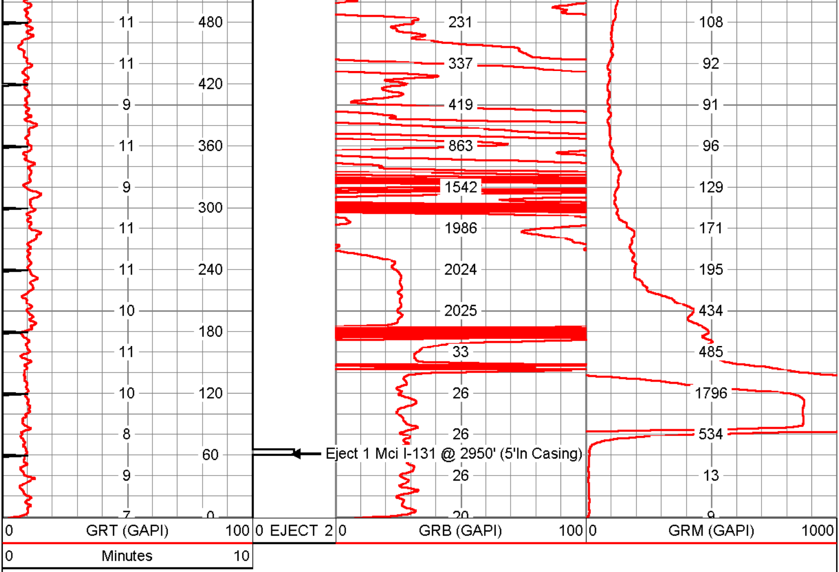
0 GRT (GAPI) 100	0 EJECT 2	0 GRB (GAPI) 100	0 GRM (GAPI) 1000
0 Minutes 10			











Eject 1 Mci I-131 @ 2950' (5'In Casing)

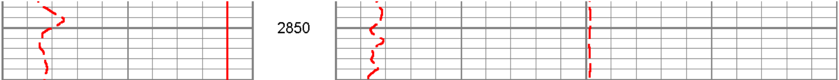
YOUNGQUIST BROTHERS, Inc

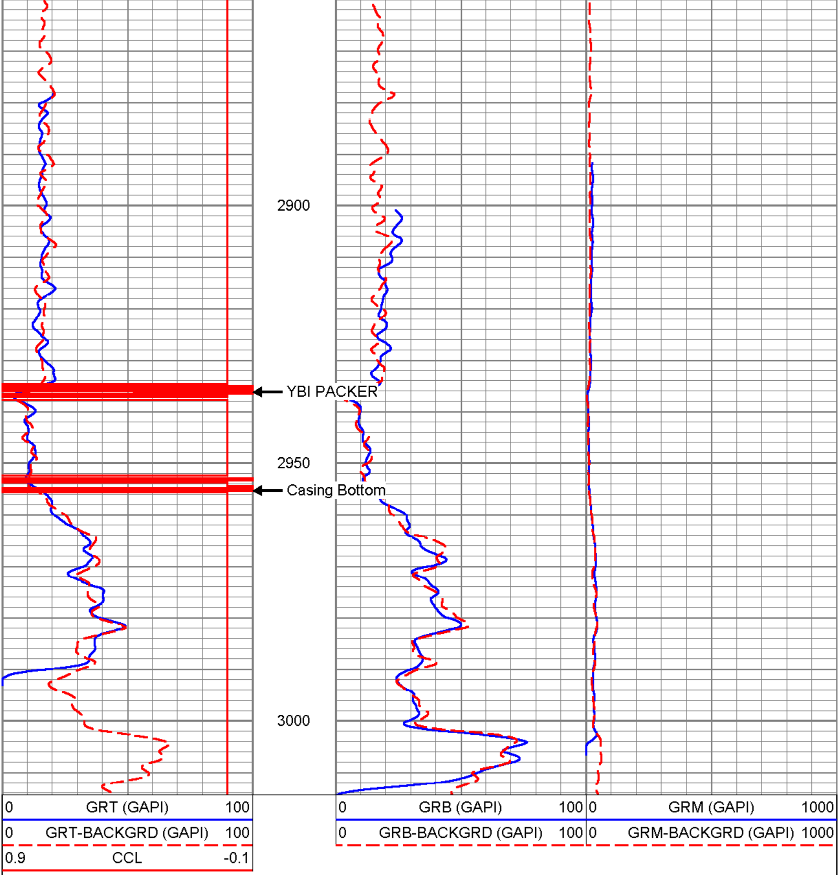
GEOPHYSICAL LOGGING DIVISION

CASING TIE-IN

Database File:	bellirts.db
Dataset Pathname:	TIE
Presentation Format:	RTSTIE
Dataset Creation:	Thu Jun 15 08:18:16 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240

0 GRT (GAPI) 100	0 GRB (GAPI) 100	0 GRM (GAPI) 1000
0 GRT-BACKGRD (GAPI) 100	0 GRB-BACKGRD (GAPI) 100	0 GRM-BACKGRD (GAPI) 1000
0.9 CCL -0.1		

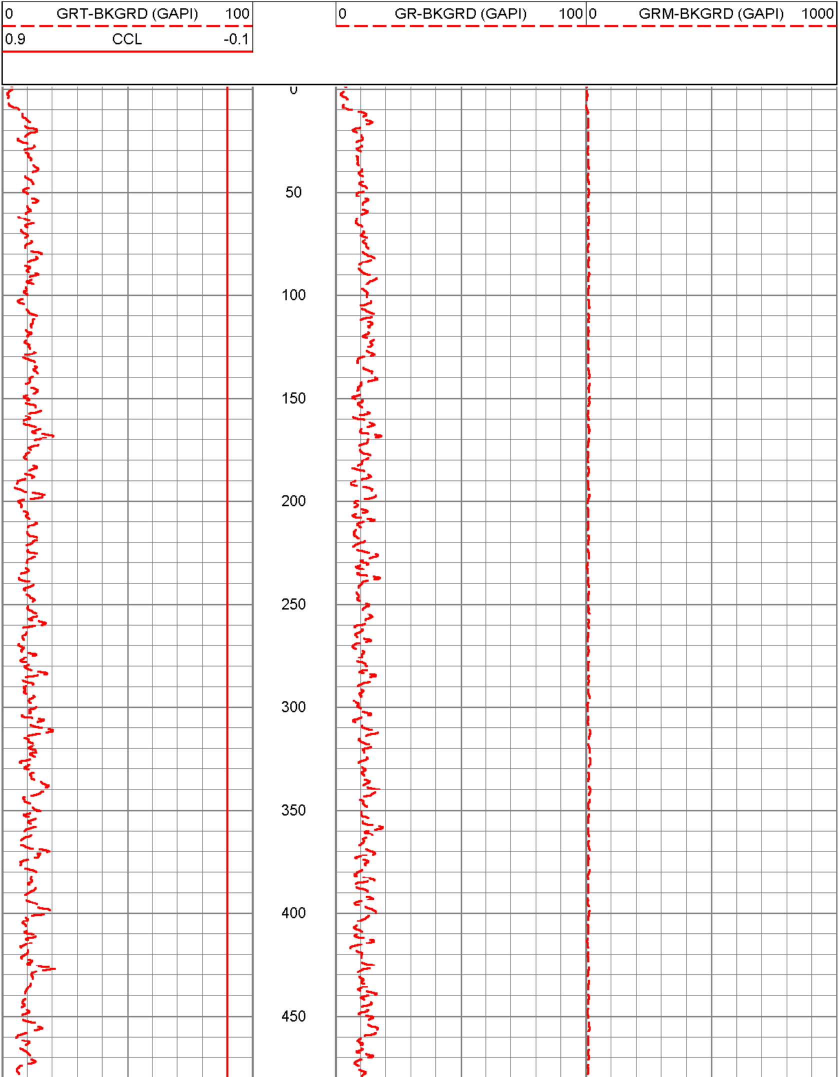


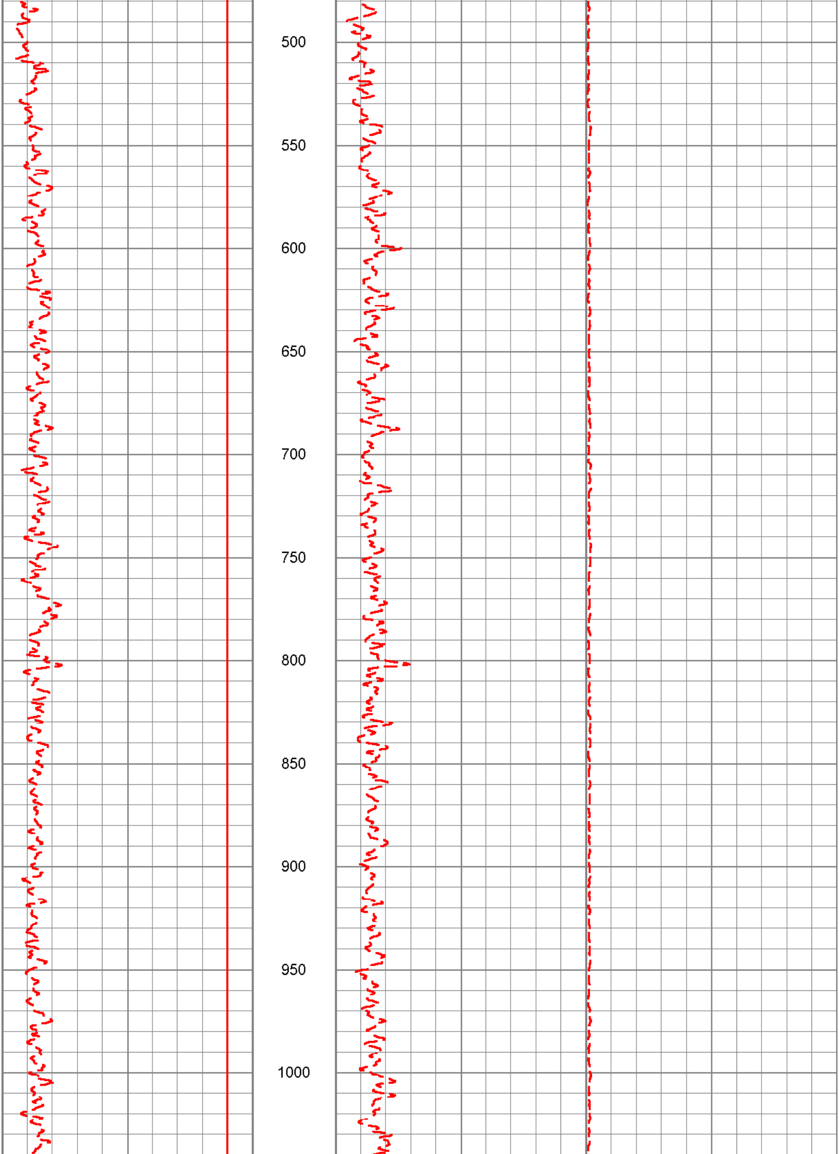


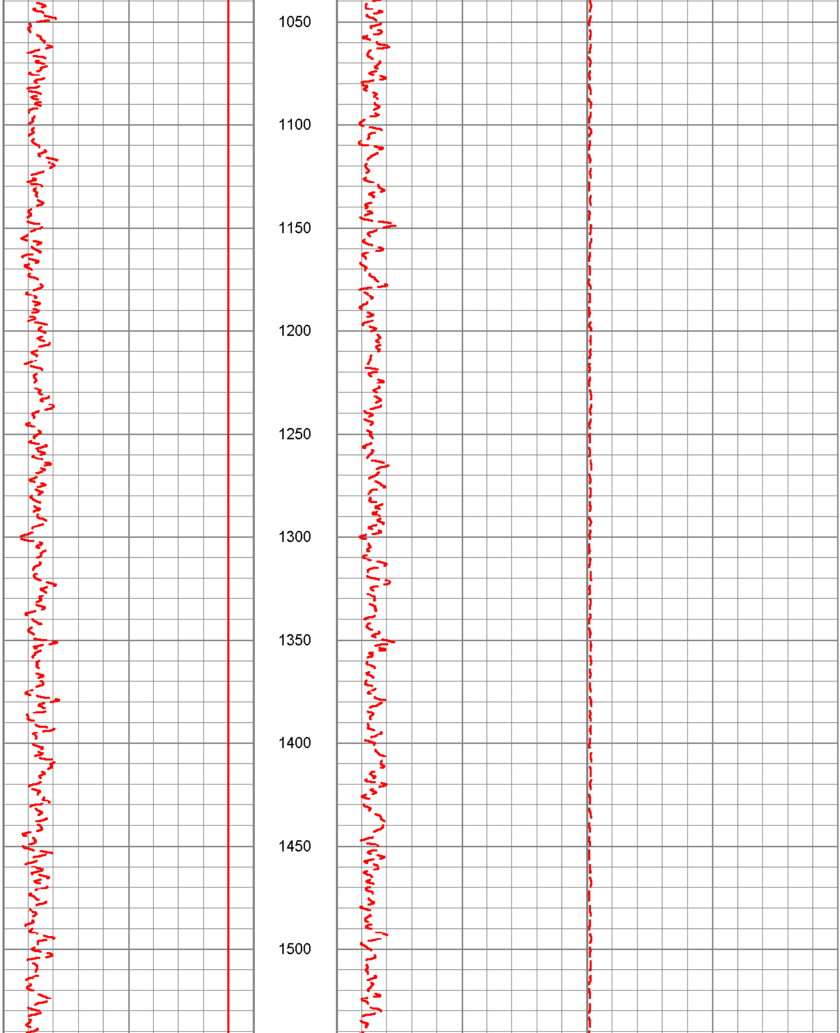
YOUNGQUIST
BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

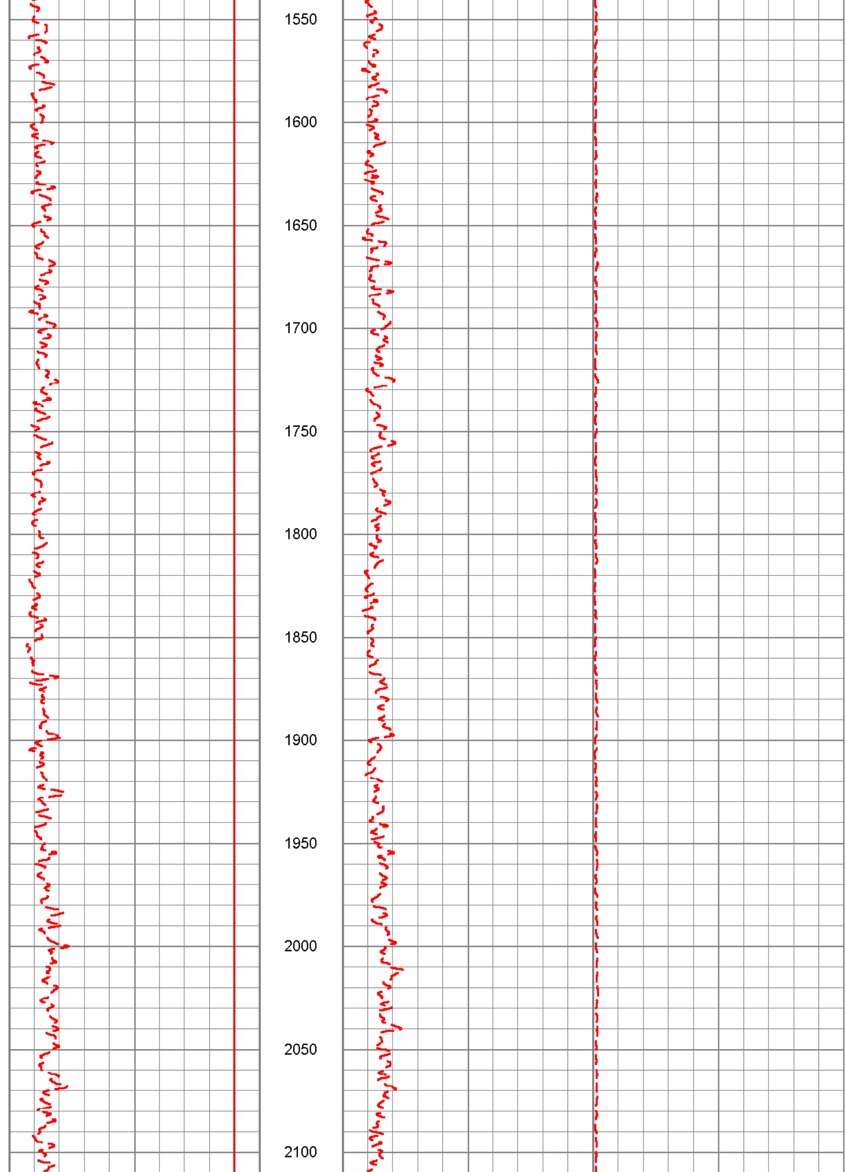
BACKGROUND GAMMA RAY

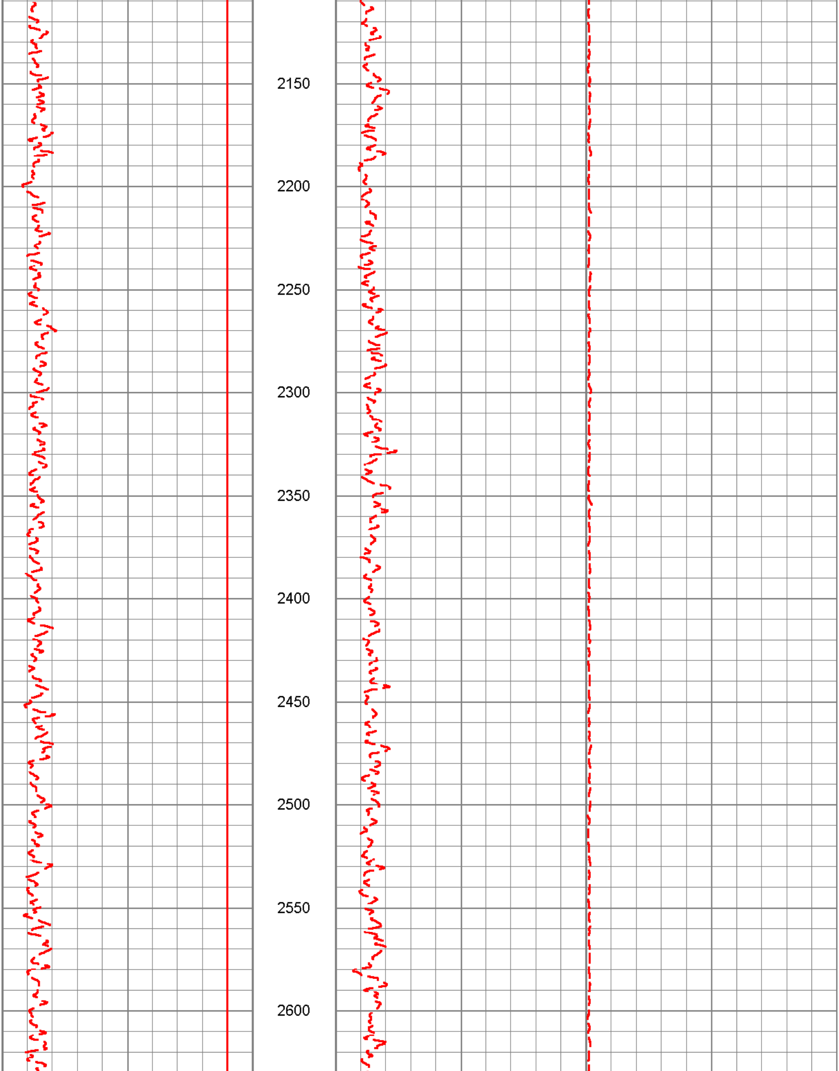
Database File:	bellirts.db
Dataset Pathname:	RTSBK
Presentation Format:	RTS
Dataset Creation:	Wed Jun 14 16:32:29 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:600

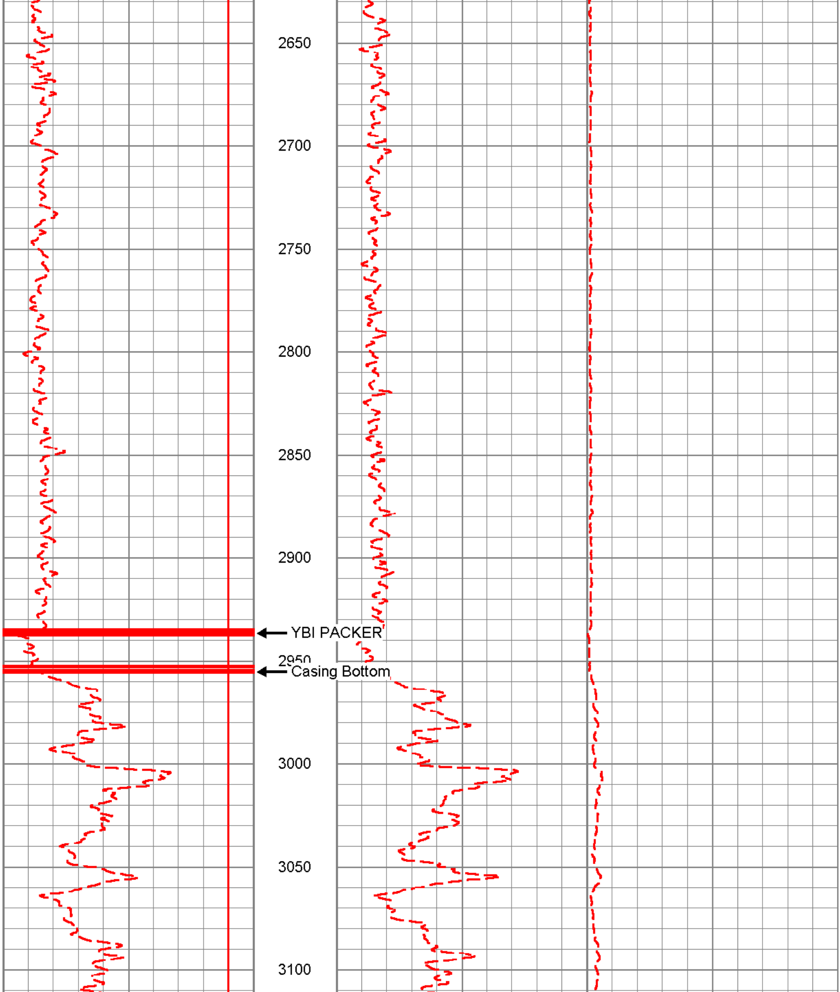


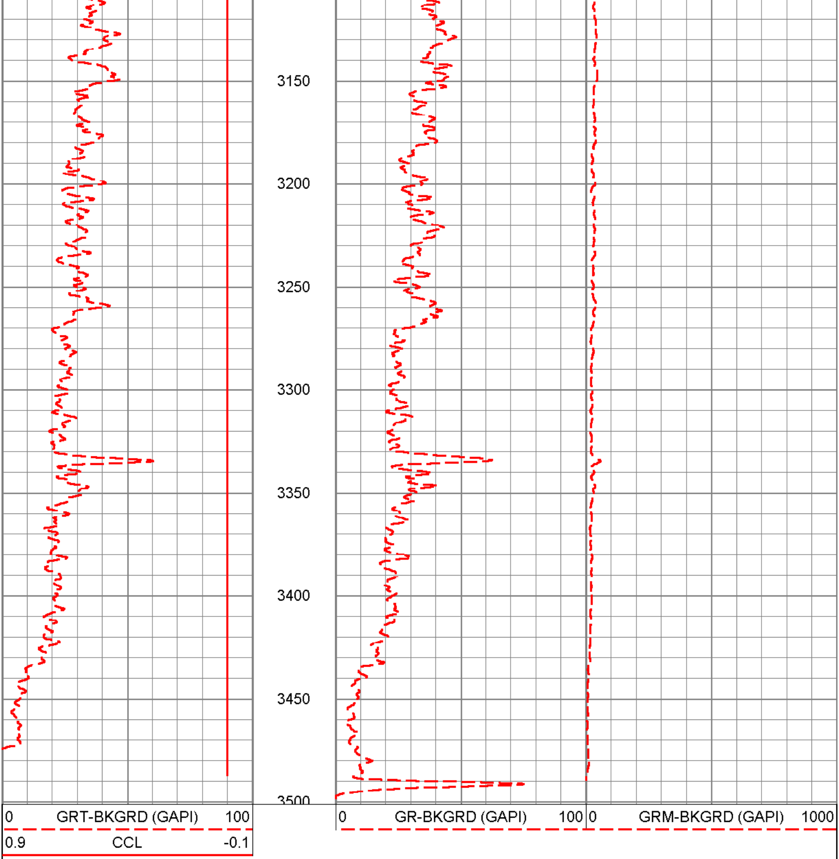












Gamma Ray Calibration Report

Serial Number:	954B	
Tool Model:	RTSB	
Performed:	Wed Jun 14 15:59:15 2006	
Calibrator Value:	120	GAPI
Background Reading:	89.8899	cps
Calibrator Reading:	280.28	cps
Sensitivity:	0.630284	GAPI/cps

Gamma Ray Calibration Report

Serial Number:	954M	
Tool Model:	RTSM	
Performed:	Wed Jun 14 16:00:07 2006	
Calibrator Value:	120	GAPI
Background Reading:	101.802	cps
Calibrator Reading:	311.411	cps
Sensitivity:	0.572493	GAPI/cps

Gamma Ray Calibration Report

Serial Number:	954T	
Tool Model:	RTST	
Performed:	Wed Jun 14 16:00:51 2006	
Calibrator Value:	120	GAPI
Background Reading:	52.5526	cps
Calibrator Reading:	229.329	cps
Sensitivity:	0.678822	GAPI/cps