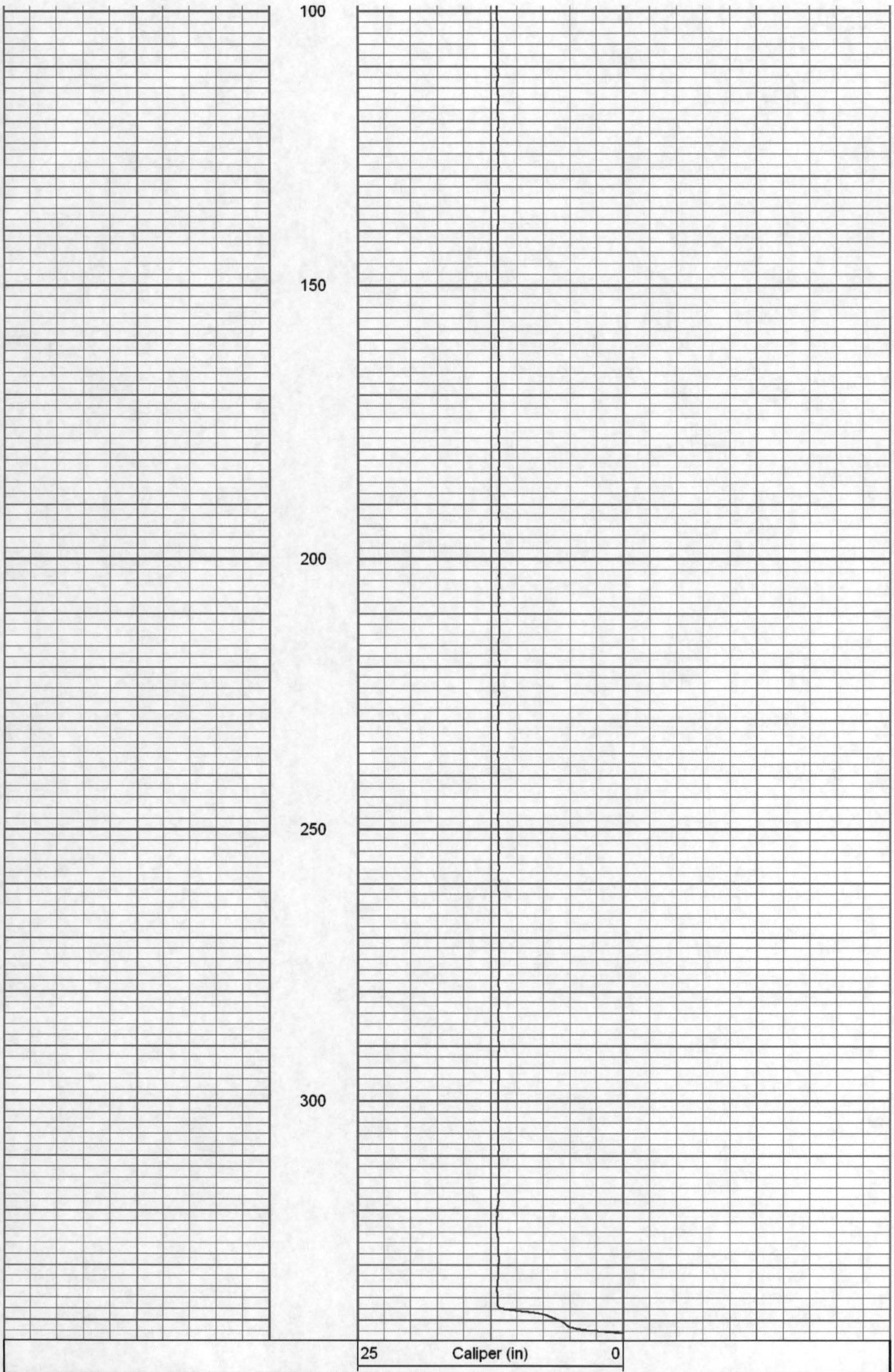


WVFS11	12.89					
WVFS12	12.89					
WVFS13	12.89					
WVFS14	12.89					
WVFS15	12.89					
WVFS16	12.89					
WVF5FT	11.39					
WVFTEMP	7.63					
WVFSYNC	7.63					
			5419 Titan 3 1/8" Adjustable Centralizer	3.45	3.13	34.00
			GR-TITAN (ForTitanCNL) Titan 2 3/4" 350 Deg. F Logging Gamma Ray for CNT	4.01	2.75	77.00
GR	1.59		BullPlug1	0.17	1.69	2.00

Dataset: 10 13 12 cnx 20.db: field/well/run1/pass10
 Total Length: 24.19 ft
 Total Weight: 466.00 lb
 O.D. 4.50 in

	Cement Bond Log Gamma Ray/CCL/Temp		
	Company: Consol Energy Field: N/A Crew: T Riggins, M Frymier, J Triplett	Well: Mahn #7C County: Mahoning	State: OH
Thank you for using Weatherford Intervention Services. 304-269-2009			

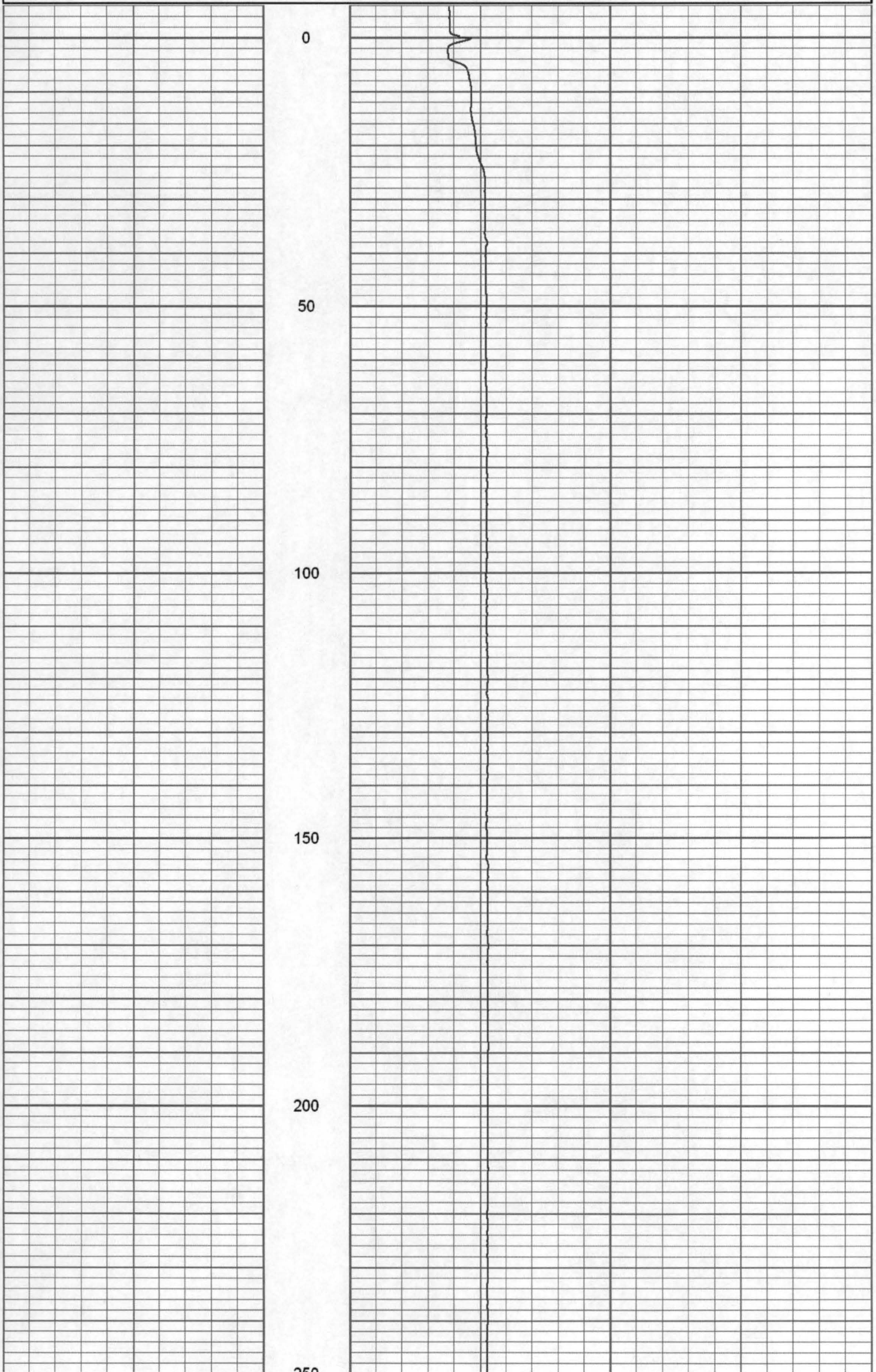


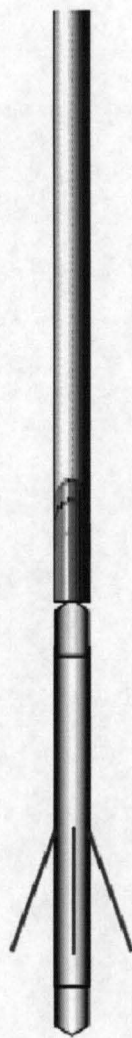
Weatherford

3 Arm Caliper

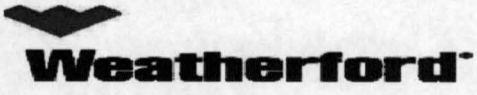
Database File: 10 13 12 01X 20.00
Dataset Pathname: pass7
Presentation Format: gr-cal
Dataset Creation: Sat Oct 13 21:14:27 2012 by Log Weatherford Casedho
Charted by: Depth in Feet scaled 1:240

25 Caliper (in) 0



			GR-CAL_GR (GR_CAL)	5.46	2.13	35.00
Caliper	1.10		CAL-Comp_Cal (Comp_Caliper) Comprobe 3 Arm Caliper	2.20	2.13	25.00

Dataset: 10 13 12 cnx 20.db: field/well/run1/pass7
Total Length: 10.02 ft
Total Weight: 62.50 lb
O.D. 2.13 in

		3 Arm Caliper			
Company:	Consol Energy	Well:	Mahn #7C	State:	OH
Field:	N/A	County:	Mahoning		
Crew:	M Frymier, J Triplett, T Riggins				
Thank you for using Weatherford Intervention Services.					
304-269-2009					



3 Arm Caliper

Company Consol Energy		Well Mahn #7C		Field N/A		County Mahoning		State OH	
Company Consol Energy		Well Mahn #7C		Field N/A		County Mahoning		State OH	
Location:		API #: 34-099-2-3184-00-00		Other Services		Temp			
SEC		TWP		RGE		Elevation			
Permanent Datum		Ground Level		Elevation		1060'			
Log Measured From		Ground Level						K.B. N/A	
Drilling Measured From		Kelly Bushing						D.F. N/A	
								G.L. 1060'	
Date	13-Oct-2012								
Run Number	One								
Depth Driller	370'								
Depth Logger	343'								
Bottom Logged Interval	343'								
Top Log Interval	0								
Open Hole Size	26"								
Type Fluid	Water								
Density / Viscosity	8.3								
Max. Recorded Temp.	96								
Estimated Cement Top	0								
Time Well Ready	ROA								
Time Logger on Bottom	N/A								
Equipment Number	14061								
Location	Weston, WV								
Recorded By	S Farnsworth								
Witnessed By	Wendell Shrewsbury								
Borehole Record		Wendell Shrewsbury		John Fleming		Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To		
Casing Record	Size	Wgt/Ft	Top	Bottom					
Surface String	20"	94	0	343'					
Prot. String									
Production String									
Liner									

<<< Fold Here >>>

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and shall not 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 employees or agents. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Remarks: Rig: Neibors M62 Prints: 3 Service Order #193468
 Logging speeds and log presentation at customers request
 Well was making gas while logging
 Pass #3 tool worked proper
 Pass #6 and Pass #7 tool was not working with proper calibrations
 At customers request we run tool anyway

BHT	EQUIPMENT DATA				
Bit Size	Run No	Tool Type	Tool No	Other	
Surface Pressure			450 RIBT-II 7E9-02		
Shut In					

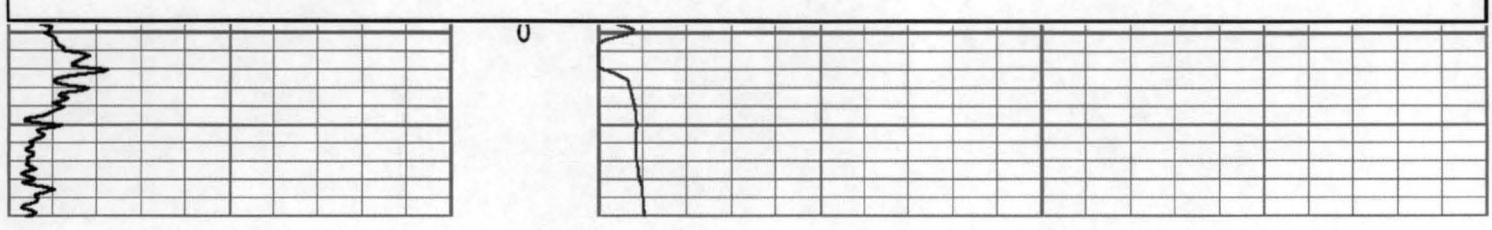


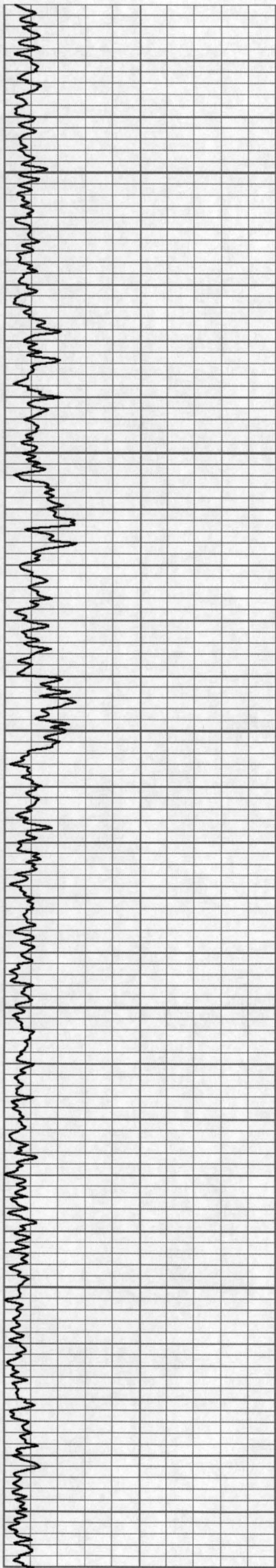
Weatherford

3 Arm Caliper

Database File: 10 13 12 cnx 20.db
 Dataset Pathname: pass3
 Presentation Format: gr-cal
 Dataset Creation: Sat Oct 13 19:37:30 2012 by Log Weatherford Casedho
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200	25	Caliper (in)	0
200	GR (GAPI)	400			





50

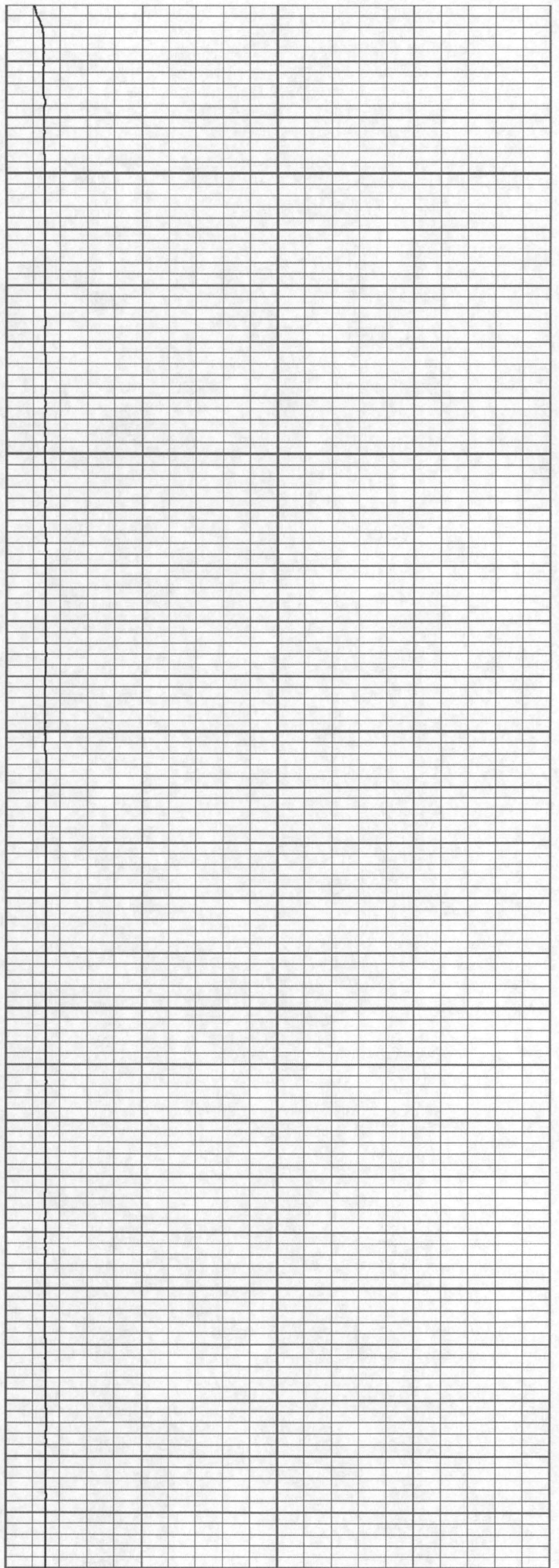
100

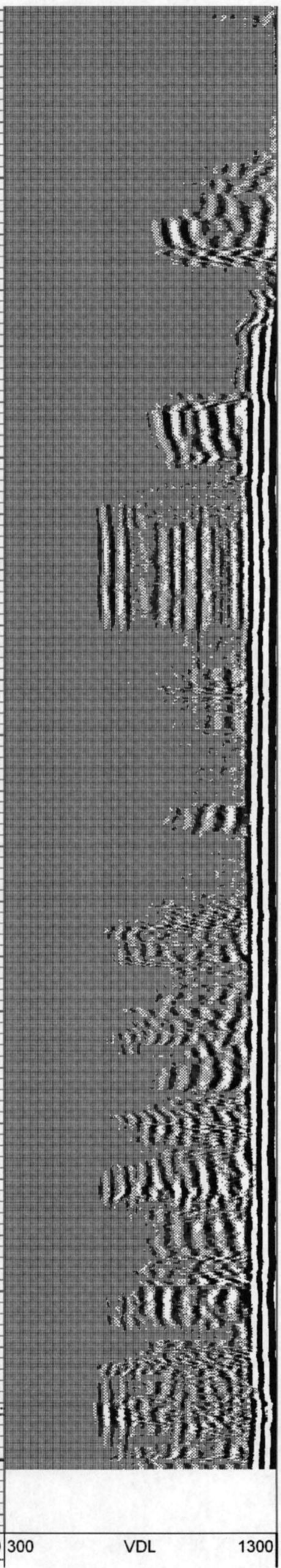
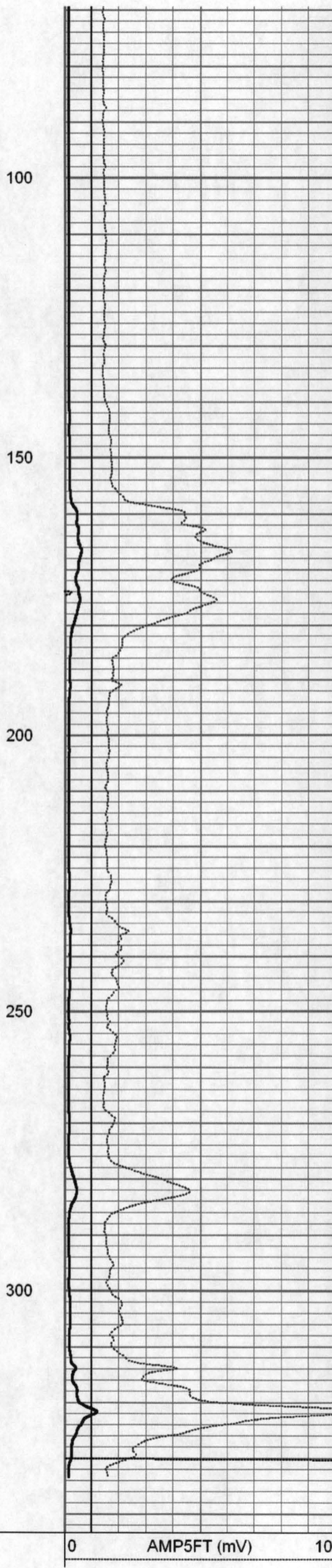
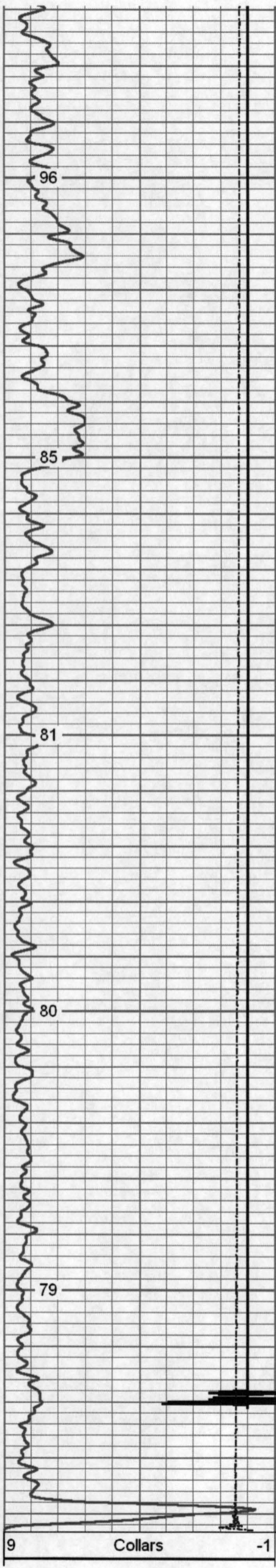
150

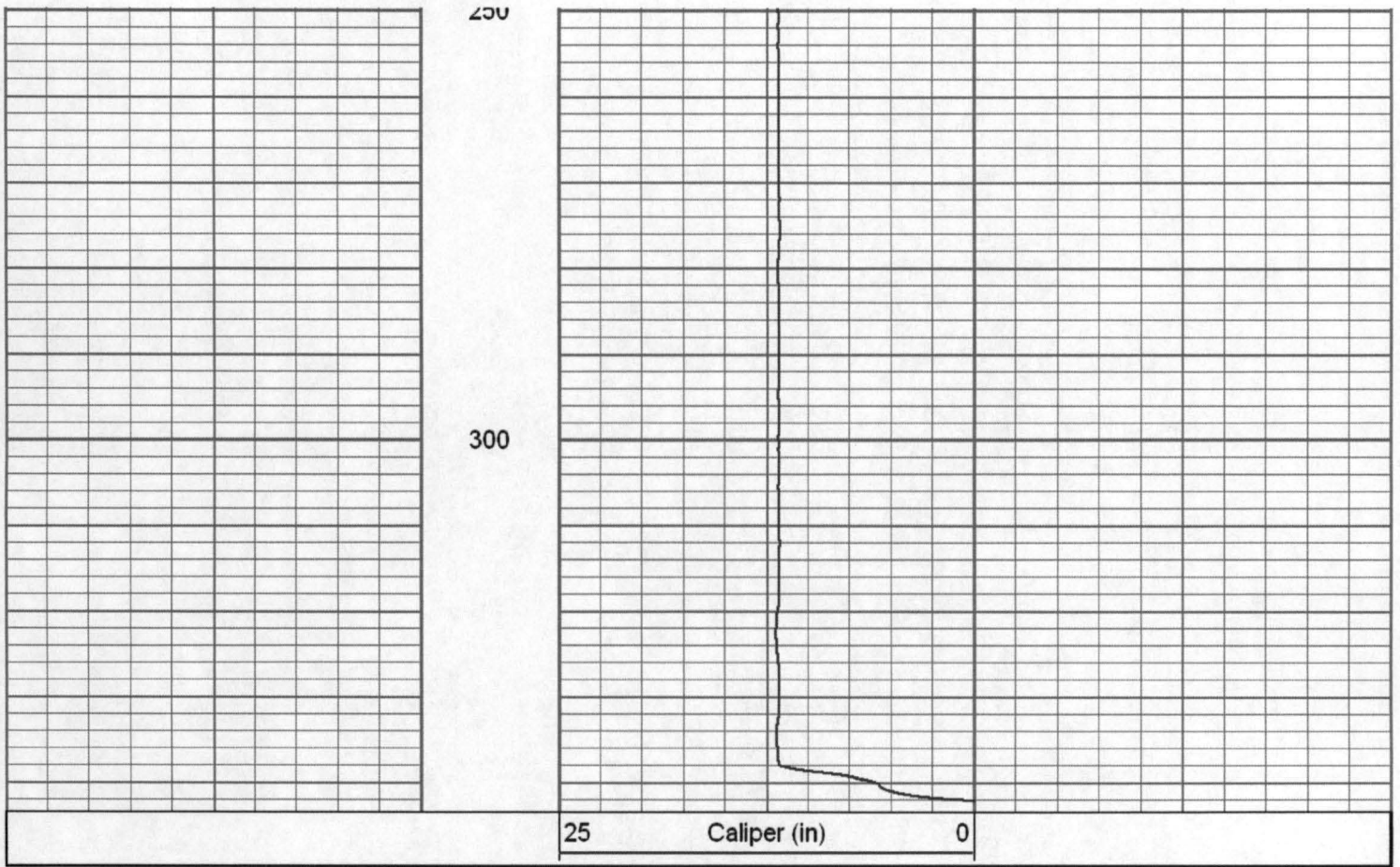
200

250

300







Calibration Report

Database File: 10 13 12 cnx 20.db
 Dataset Pathname: pass7
 Dataset Creation: Sat Oct 13 21:14:27 2012 by Log Weatherford Casedho

Gamma Ray Calibration Report

Serial Number: GR_CAL
 Tool Model: CAL_GR
 Performed: Wed Jun 20 18:37:17 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 3.0000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Weatherford	1.03	1.44	
CCL	8.07		CCL-Comp (Compcl) Comprobe CCL 4 Foot Tool	1.33	2.13	2.50
GR	6.63					

0	Gamma Ray (GAPI)	200
200	GR (GAPI)	400
2500	LTEN (lb)	0

0	AMP5FT (mV)	100
468	TT (usec)	368
468	PPT (usec)	368

TEMP1
(degF)

Calibration Report

Database File: 10 13 12 cnx 20.db
 Dataset Pathname: pass10
 Dataset Creation: Sat Oct 13 22:24:11 2012 by Log Weatherford Casedho

Gamma Ray Calibration Report

Serial Number: ForTitanCNL
 Tool Model: TITAN
 Performed: Wed Sep 12 15:14:48 2012
 Calibrator Value: 1.0 GAPI
 Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps
 Sensitivity: 3.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 450 RIB EX TEMP
 Tool Model: Tek16_Ex_Temp
 Calibration Casing Diameter: 13.375 in
 Calibration Depth: 679.701 ft

Master Calibration, performed Sat Oct 13 22:06:33 2012:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.455	3.031	0.000	42.031	12.057	5.489
CAL	2.500	1.340				
5'	-0.100	2.500	0.000	42.031	16.166	1.615
SUM						
S1	0.000	1.809	0.000	100.000	55.283	-0.001
S2	-0.132	2.021	0.000	100.000	46.436	6.134
S3	-0.033	2.051	0.000	100.000	48.002	1.561
S4	-0.036	2.050	0.000	100.000	47.937	1.710
S5	-0.018	2.064	0.000	100.000	48.028	0.850
S6	-0.065	2.114	0.000	100.000	45.901	2.961
S7	-0.010	1.965	0.000	100.000	50.651	0.489
S8	-0.000	1.804	0.000	100.000	55.415	0.022
S9	-0.010	1.786	0.000	100.000	55.674	0.563
S10	-0.002	1.728	0.000	100.000	57.808	0.121
S11	-0.009	1.822	0.000	100.000	54.610	0.496
S12	-0.008	1.732	0.000	100.000	57.468	0.457
S13	-0.010	1.647	0.000	100.000	60.342	0.632
S14	-0.010	1.718	0.000	100.000	57.861	0.585
S15	-0.019	1.803	0.000	100.000	54.867	1.056
S16	-0.002	1.793	0.000	100.000	55.706	0.134

Internal Reference Calibration, performed Wed Dec 31 19:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	2.500	1.340	1.000	0.000

Air Zero Calibration, performed Sat Oct 13 21:44:14 2012:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	-0.004		0.000			-0.551
5'	-0.010		0.000			-0.001
SUM						