YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

DUAL INDUCTION
LL3 with SP
LOG

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

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

Location

Other Services
SEE
COMMENTS

Permanent Datum	PAD	Elevation	Elevation
Log Measured From	PAD		K.B.
Drilling Measured From	PAD		D.F. G.L.

Date	9-JUNE-2006		
Run Number	FOUR		
Depth Driller	1940'		
Depth Logger	1940'		
Bottom Logged Interval	1940'		
Top Log Interval	CASING		
Open Hole Size	12.25"		
Type Fluid	WATER		
Density / Viscosity	NA		
Max. Recorded Temp.	NA		
Estimated Cement Top	NA		
Time Well Ready	1430		
Time Logger on Bottom	1430		
Equipment Number	103		
Location	FT.MYERS		
Recorded By	CATHEY		
Witnessed By	A. BINGHAM		

Borehole Record				Borehole Record			
Run Number	Bit	From	To	Run No.	Bit	From	To
ONE	38.5"	SURFACE	199'				
TWO	12.25"	CASING	900'				
THREE	28.5"	CASING	861'				
FOUR	12.25"	CASING	1940'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	30"	.375" W.T.	SURFACE	192'
Prot. String	20"	.375" W.T.	SURFACE	850'
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

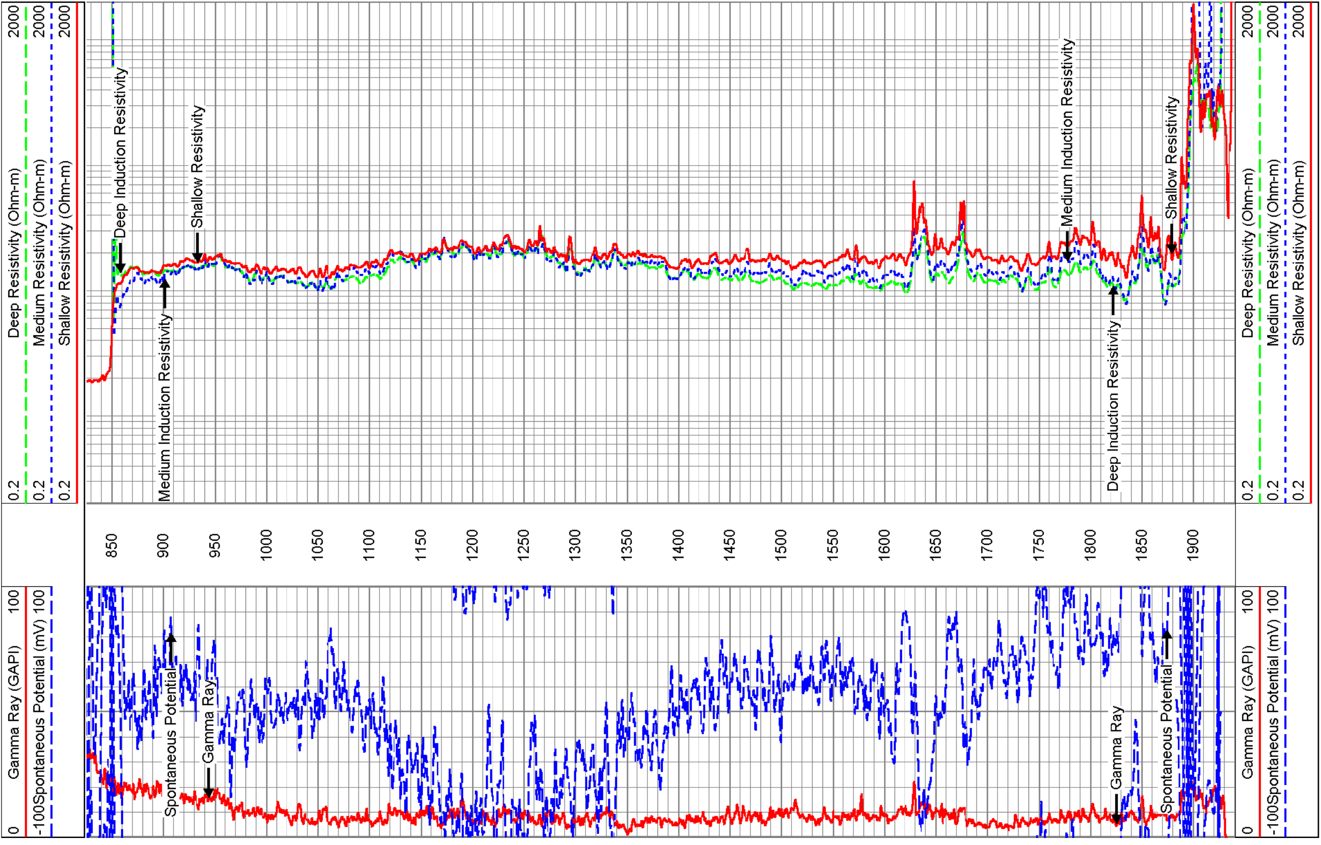
OTHER SERVICES:

X-Y CALIPER / GAMMA RAY
SONIC
BOREHOLE TELEVIEWER
FLUID CONDUCTIVITY / TEMP
FLOWMETER

YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

MAIN PASS

Database File:	bellemw1.db
Dataset Pathname:	run4/pass5
Presentation Format:	DIL
Dataset Creation:	Fri Jun 09 16:27:55 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:1200



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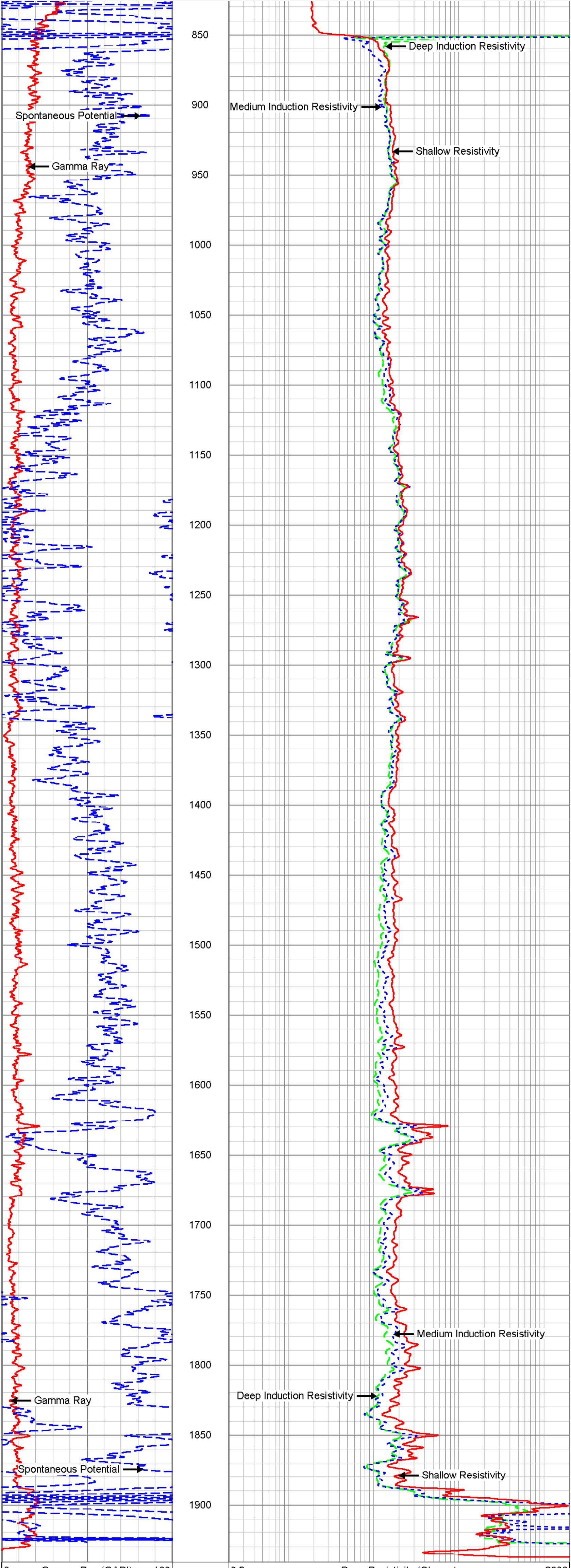
Database File:	bellemw1.db
Dataset Pathname:	run4/pass5
Presentation Format:	DIL
Dataset Creation:	Fri Jun 09 16:27:55 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:600

0 Gamma Ray (GAPI) 100
-100 Spontaneous Potential (mV) 100

0.2 Deep Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000



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0.2 Medium Resistivity (Ohm-m) 2000
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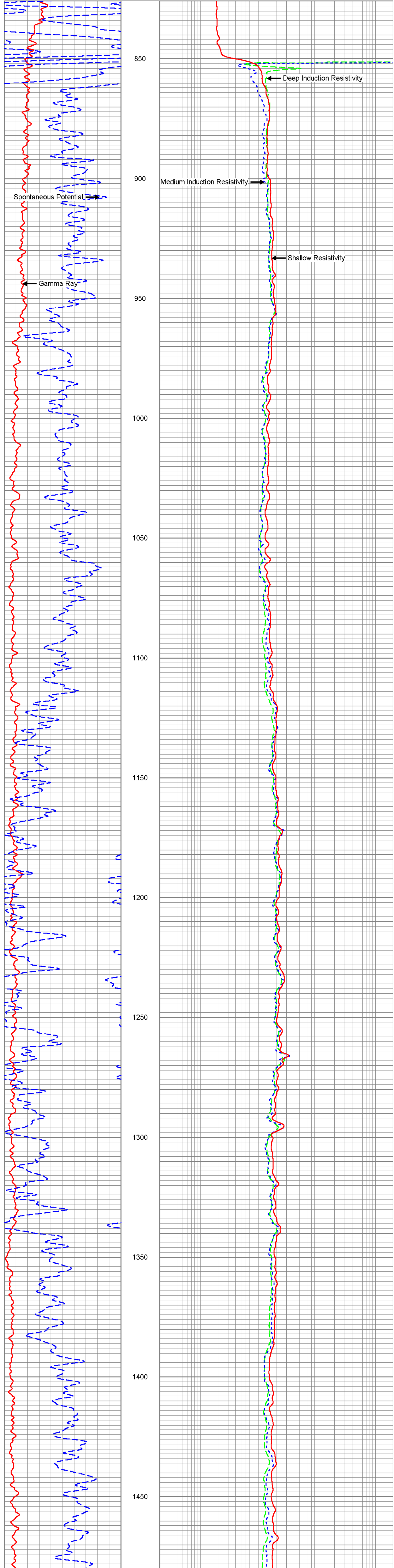
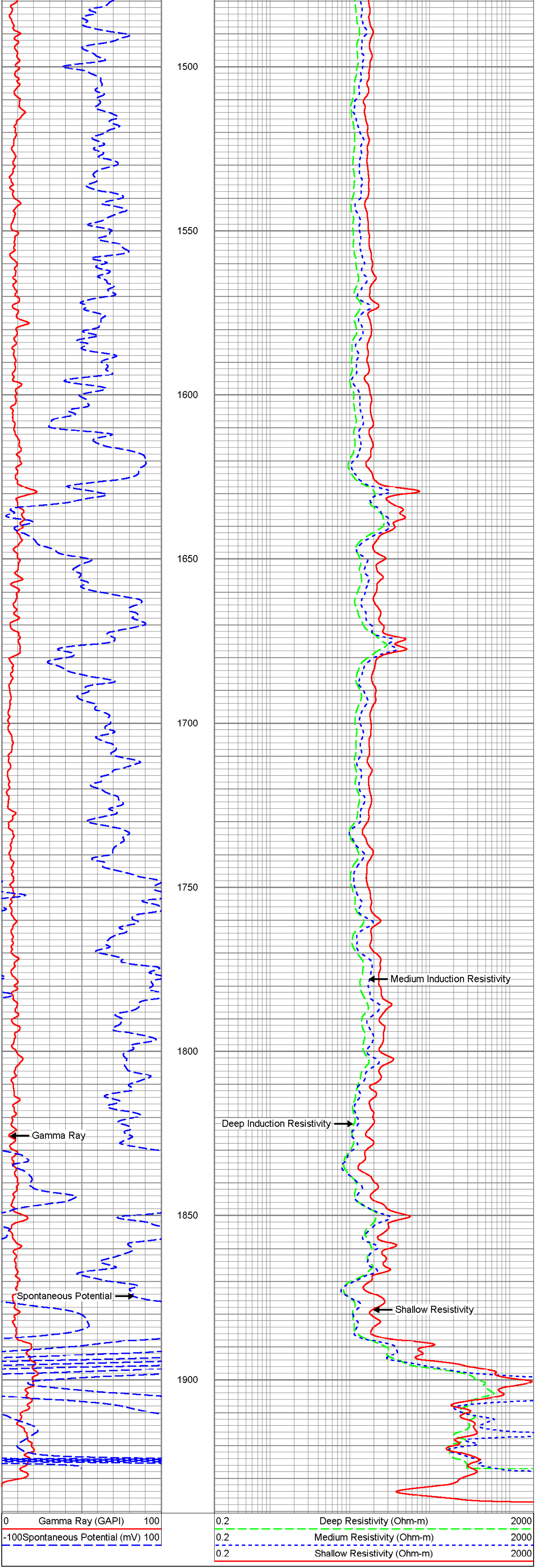
MAIN PASS

Database File:	bellemw1.db
Dataset Pathname:	run4/pass5
Presentation Format:	DIL
Dataset Creation:	Fri Jun 09 16:27:55 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 100
-100 Spontaneous Potential (mV) 100

0.2 Deep Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000





YOUNGQUIST BROTHERS, Inc
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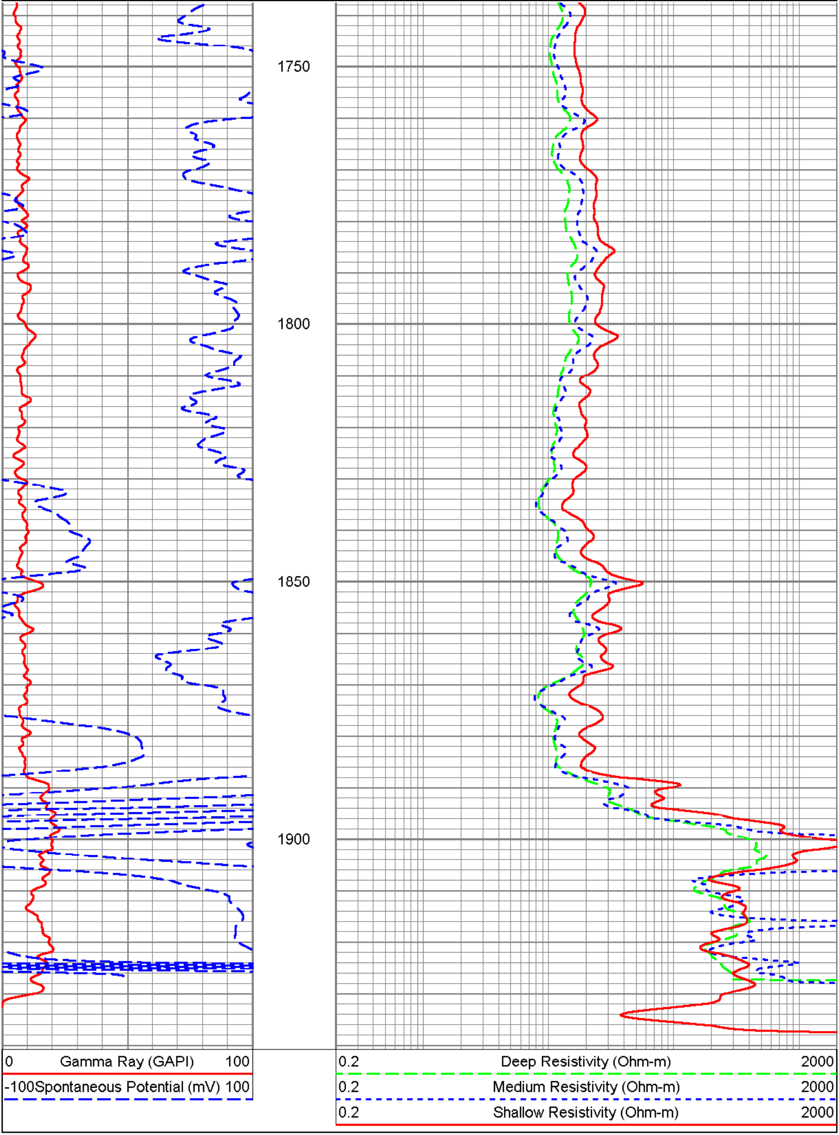
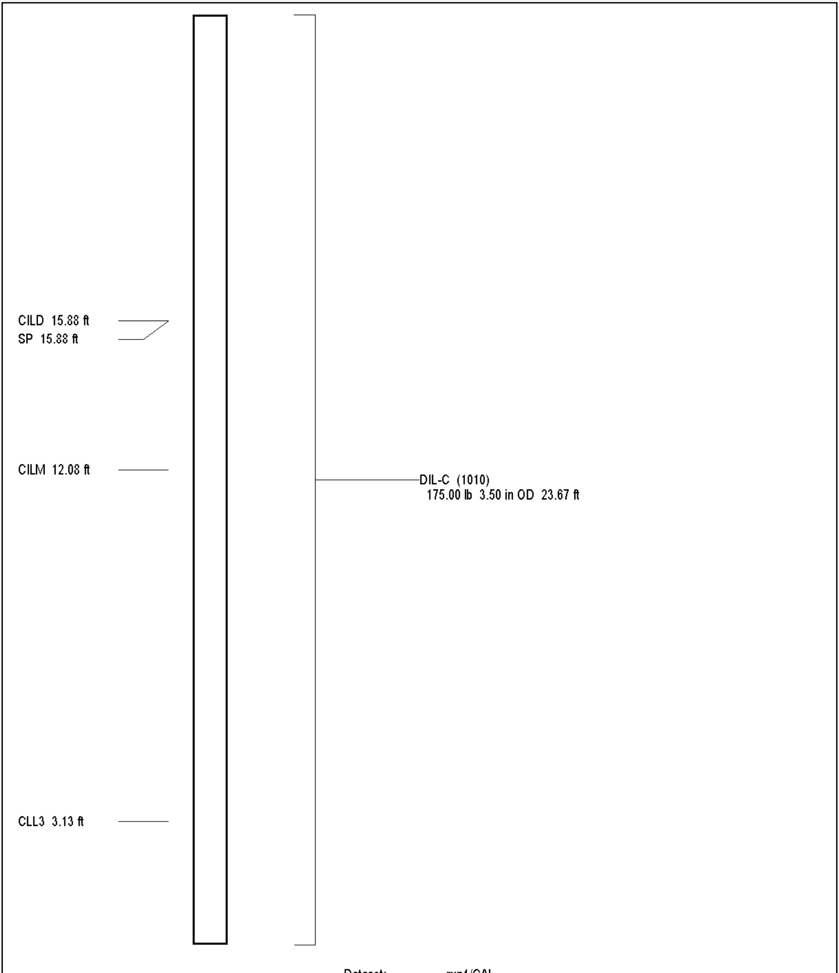
REPEAT PASS

Database File:	bellemw1.db
Dataset Pathname:	run4/pass4
Presentation Format:	DIL
Dataset Creation:	Fri Jun 09 16:23:39 2006 by Log 6.2_B4
Charted by:	Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 100
-100 Spontaneous Potential (mV) 100
0.2 Deep Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000





Dataset: run4/CAL
Total Length: 23.67 ft
Total Weight: 175.00 lb
O.D. 3.50 in

Dual Induction Calibration Report

Serial-Model: 1010-C
Surface Cal Performed: Thu Nov 17 14:49:18 2005
Downhole Cal Performed: Fri Jun 09 15:56:57 2006
After Survey Verification Performed: Fri Jun 09 16:42:46 2006

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.005	0.647	V	0.000	400.000	mmho-m	613.288	3.302
Medium	0.010	0.714	V	0.000	464.000	mmho-m	658.369	-6.281
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.009	0.641	V	8.610	397.880	mmho-m	615.374	3.164
Medium	0.007	0.710	V	-1.120	462.890	mmho-m	659.667	-5.714

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	8.954	402.339	mmho-m	8.729	396.680	mmho-m	0.986	-0.101
Medium	-1.113	468.513	mmho-m	-1.696	461.400	mmho-m	0.986	-0.598
Shallow	0.034	0.409		3.000	88.900	mmho-m	229.018	-4.849

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	8.834	401.126	mmho-m	8.954	402.339	mmho-m	0.986	-0.101
Medium	0.832	465.238	mmho-m	-1.113	468.513	mmho-m	0.986	-0.598
Shallow	3.382	91.336	mmho-m	3.000	88.900	mmho-m	0.977	-0.303