BWWC
Black Warrior Wireline Corporation

CEMENT BOND LOG / GAMMA RAY / CCL / VDL TEMP

Company EOG RESOURCES
Well CRITTER CREEK 18-22H
Field HEREFORD RANCH
County WELD
State COLORADO

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Well CRITTER CREEK 18-22H
Field HEREFORD RANCH
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Location: API #: 05-123-31738
NWNW
SEC 22 TWP 11N RGE 63W
Other Services

Permanent Datum Ground Level Elevation
Log Measured From Kelly Bushing 21'
Drilling Measured From Kelly Bushing

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

Date	22-SEPTEMBER-2010
Run Number	One
Depth Driller	
Depth Logger	6550'
Bottom Logged Interval	6550'
Top Log Interval	4500'/SURF
Open Hole Size	8 3/4
Type Fluid	H2O
Density / Viscosity	na
Max. Recorded Temp.	200
Estimated Cement Top	100
Time Well Ready	0700
Time Logger on Bottom	0830
Equipment Number	4400
Location	Casper
Recorded By	DONALD MUNDELL
Witnessed By	STACEY SWINGLE

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String			Surface	1365
Prot. String				
Production String	7"	23#	SURFACE	
Liner	4.5"	11.6#	6721'	

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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

THANK YOU FOR USING WARRIOR ENERGY SERVICES
LOG CORRELATED TO KELLY BUSHING

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SURFACE CASING = 1365'

Database File: 1critercreek18-22h.db
Dataset Pathname: pass4
Presentation Format: 2scbtvdl
Dataset Creation: Wed Sep 22 09:31:06 2010 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200	0	AMPX5 (mV)	20	200	VDL	1200
9	Collar Locator	-1	0	Amplitude (mV)	100			
0	Gamma Ray (GAPI)	150	60	TEMP (degF)	80			
				TEMP (degF)				

400	Travel Time (usec)	200	0	AMPX5 (mV)	20	200	VDL	1200
9	Collar Locator	-1	0	Amplitude (mV)	100			
0	Gamma Ray (GAPI)	150	60	TEMP (degF)	80			
				TEMP (degF)				

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MAIN PASS 5"=100'

Database File: 1critercreek18-22h.db
Dataset Pathname: pass3
Presentation Format: 2scbtvdl
Dataset Creation: Wed Sep 22 08:38:43 2010 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200	0	AMPX5 (mV)	20	200	VDL	1200
9	Collar Locator	-1	0	Amplitude (mV)	100			
0	Gamma Ray (GAPI)	150	60	TEMP (degF)	80			
				TEMP (degF)				

400	Travel Time (usec)	200	0	AMPX5 (mV)	20	200	VDL	1200
9	Collar Locator	-1	0	Amplitude (mV)	100			
0	Gamma Ray (GAPI)	150	60	TEMP (degF)	80			
				TEMP (degF)				

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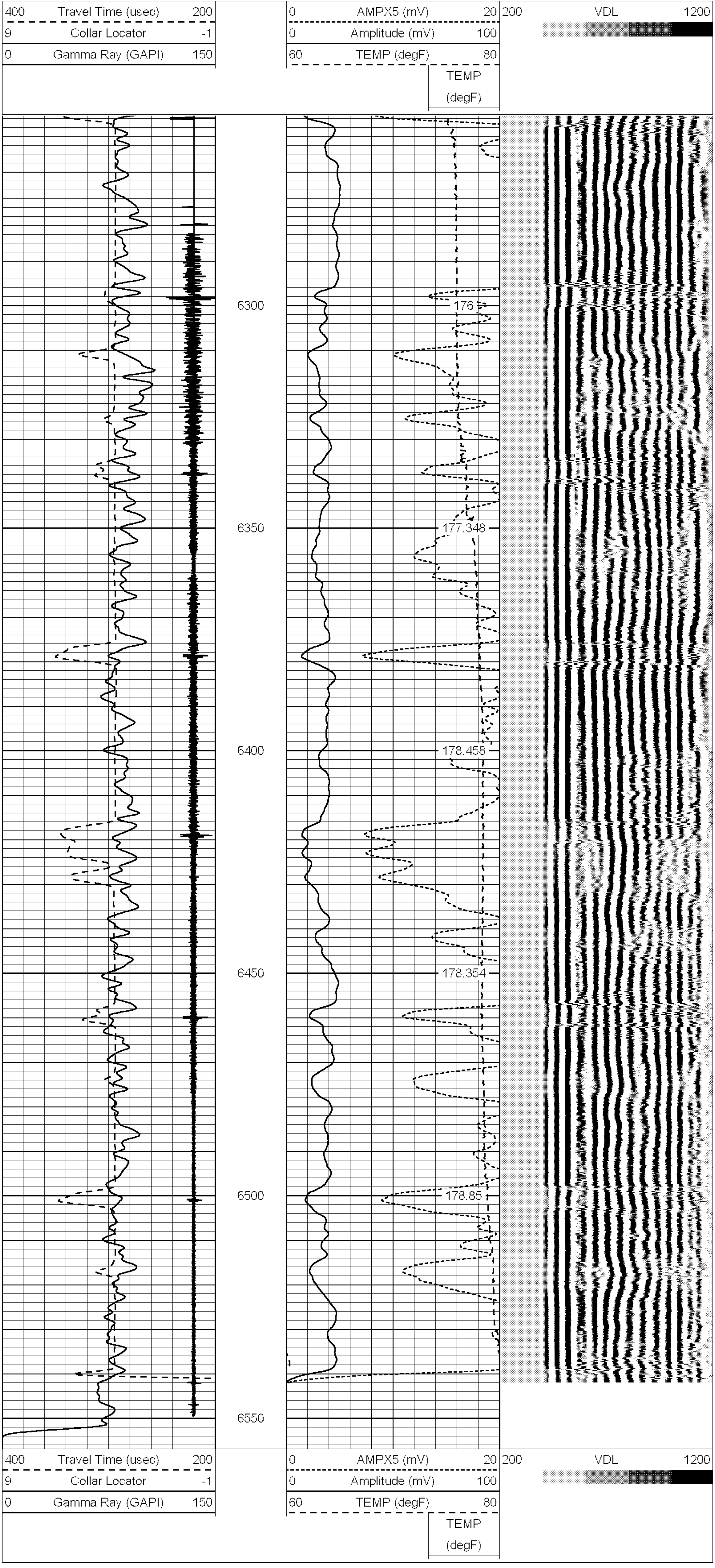
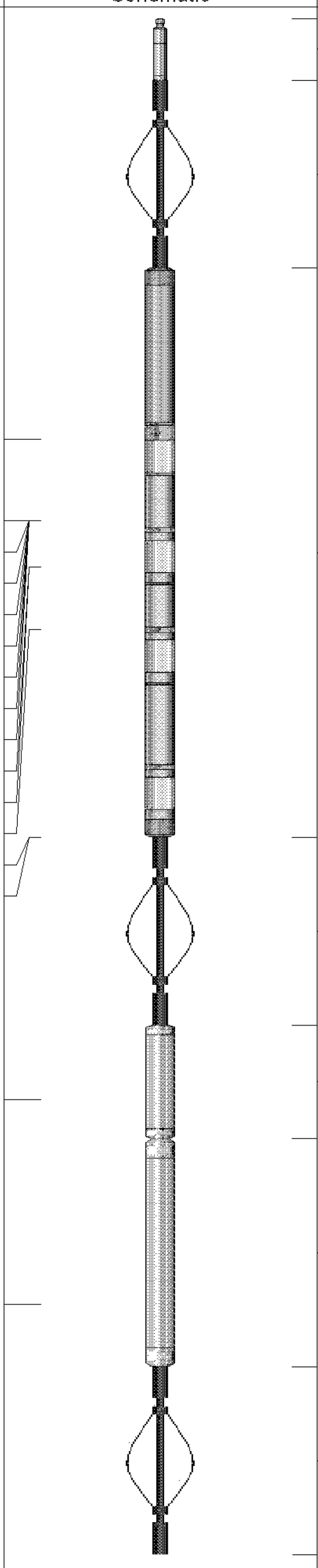
REPEAT SECTION

Database File: 1critercreek18-22h.db
Dataset Pathname: pass2
Presentation Format: 2scbtvdl
Dataset Creation: Wed Sep 22 08:30:24 2010 by Log Std Casedhole 09061

Dataset Creation: Wed Sep 22 08:30:24 2010 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240





Sensor	Offset (ft)
TEMP	17.85
WVFS1	16.56
WVFS2	16.56
WVFS3	16.56
WVFS4	16.56
WVFS5	16.56
WVFS6	16.56
WVFS7	16.56
WVFS8	16.56
WVF3FT	15.81
WVFCAL	15.81
WVF5FT	14.81
WVFTEMP	11.47
WVFSYNC	11.47
CCL	7.29
GR	4.00

Description	Len (ft)	OD (in)	Wt (lb)
CHD1_0	1.00	1.00	1.00
LTEC-1.68 LTEC Six Arm	3.00	1.69	15.00
SCBL100T-Tekco100T (100T-001) Tekco 2 3/4" Bond Sector Temp (Cans)	9.13	2.75	102.00
LTEC-1.68 LTEC Six Arm	3.00	1.69	15.00
CCL-Tekco105 (105-004) 2 3/4" Tekco CCL	1.81	2.75	15.00
GR-Tekco110 (110-004) 2 3/4" Tecko Gamma Ray	3.66	2.75	25.00
LTEC-1.68 LTEC Six Arm	3.00	1.69	15.00

Dataset: 1critercreek18-22h.db: field/well/run1/pass2.2
Total Length: 24.60 ft
Total Weight: 188.00 lb
O.D. 2.75 in