BRAN-DEX
WIRELINE SERVICES

GAMMA RAY CCL
CEMENT BOND VDL
SECTOR MAP LOG

Company	KERR McGEE OIL & GAS ONSHORE LP.
Well	CAMP 23-31
Field	WATTENBERG
County	WELD
State	CO

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Well CAMP 23-31
Field WATTENBERG
County WELD State CO

Location: API #: 05-123-24004-00
1200' FSL & 2590' FWL
SE SW
SEC 31 TWP 3N RGE 65W

Other Services

Permanent Datum GL Elevation 4945
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4957
D.F. 4956
G.L. 4945

Date	MAY-8-2007
Run Number	ONE
Depth Driller	7995
Depth Logger	7866
Bottom Logged Interval	7866
Top Log Interval	2750
Open Hole Size	----------
Type Fluid	WATER
Density / Viscosity	----------
Max. Recorded Temp.	240 F
Estimated Cement Top	2930
Time Well Ready	----------
Time Logger on Bottom	----------
Equipment Number	581
Location	STERLING
Recorded By	MEISNER
Witnessed By	L. CAMP

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4.5			
Liner				

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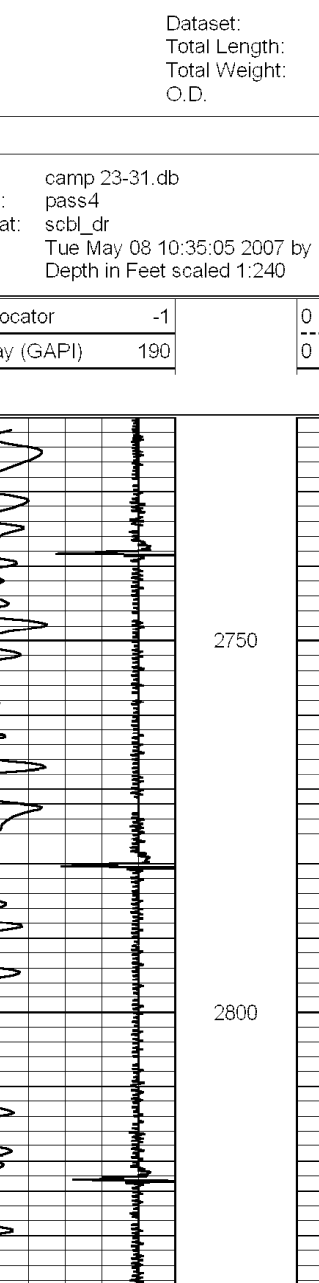
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

CORRELATED DOWNHOLE 12' TO PSI OPENHOLE DATED APRIL-25-2007

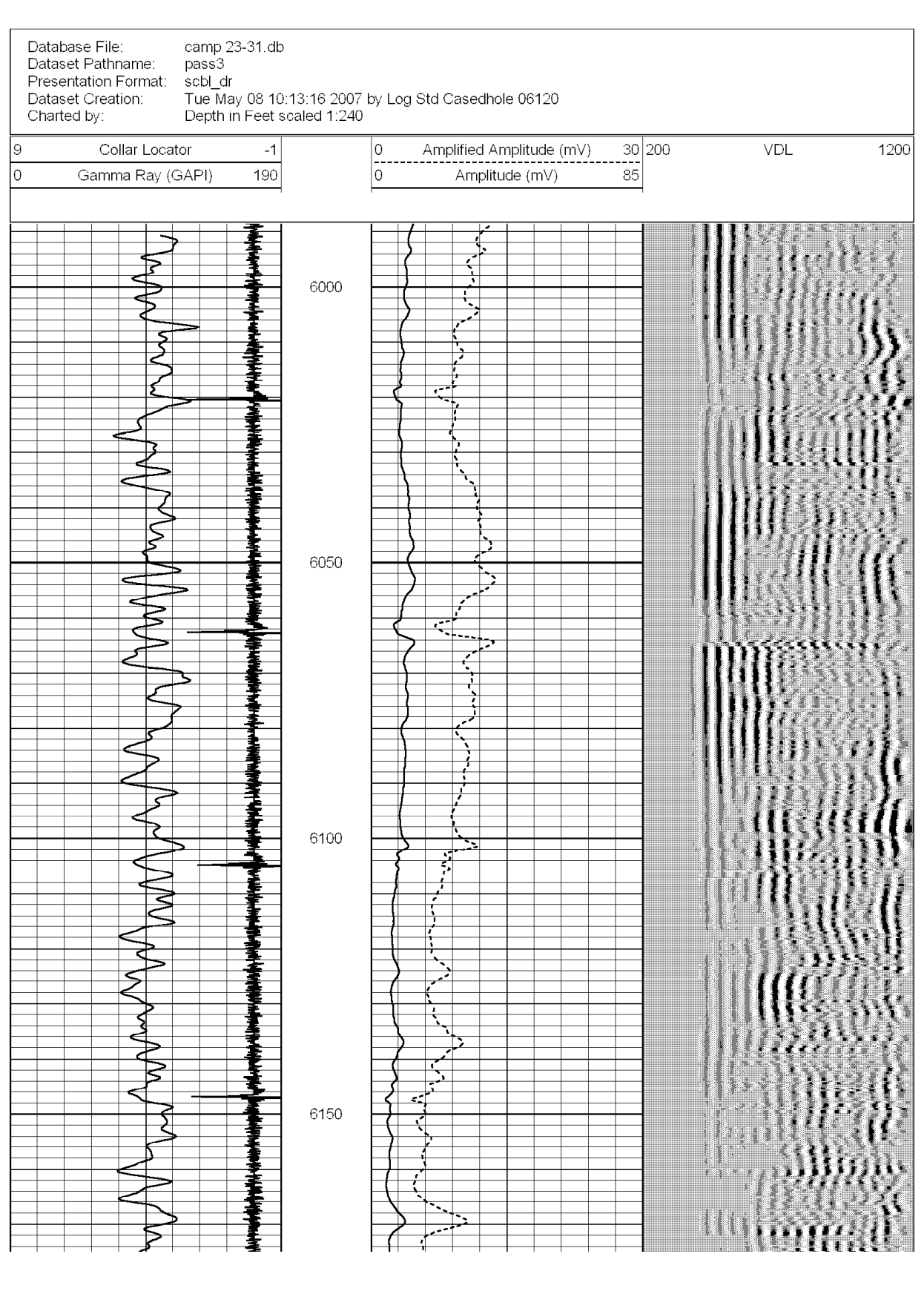


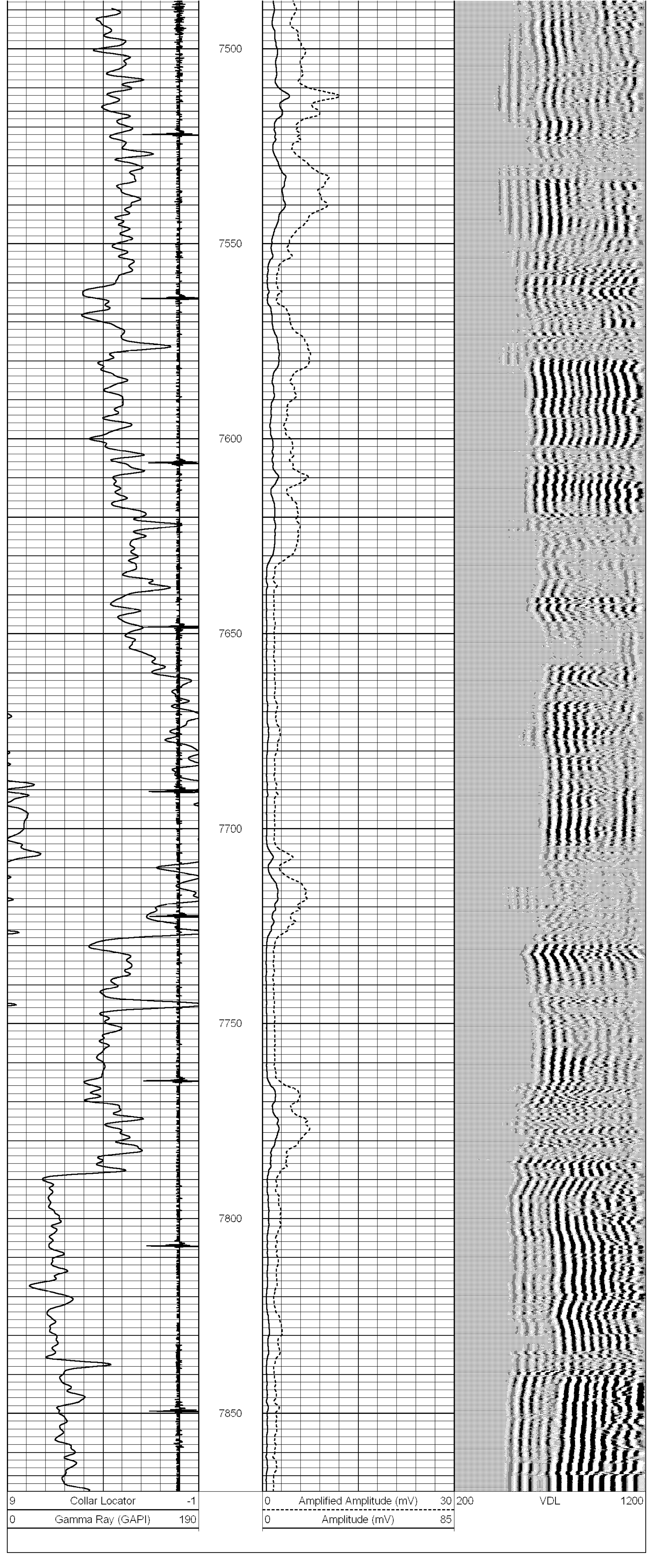
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CCL-S_101 (101)	2.92	1.69	11.00
CCL	17.99					
			CENT-TEKCO (101)	2.73	2.25	
TEMP	12.57					
WVFCAL	11.15					
WVFS1	11.15		SCBLTEKSECT-225Temp (T225t_001) TekCo 2 1/4" Sector Tool with Temperature	9.11	2.25	75.00
WVFS2	11.15					
WVFS3	11.15					
WVFS4	11.15					
WVFS5	11.15					
WVFS6	11.15					
WVFS7	11.15					
WVFS8	11.15					
WVF3FT	10.40					
WVF5FT	9.40					
WVFTEMP	6.15					
WVFSYNC	6.15					
			CENT-TEKCO (102)	2.73	2.25	
			GR-FLEX (100) Flexstack Gamma Ray	3.42	1.69	22.05
GR	0.67					

Dataset: camp 23-31.db: field/well/run1/pass4
Total Length: 20.91 ft
Total Weight: 108.05 lb
O.D. 2.25 in

Database File:	camp 23-31.db
Dataset Pathname:	pass4
Presentation Format:	scbl_dr
Dataset Creation:	Tue May 08 10:35:05 2007 by Log Std Casedhole 06120
Charted by:	Depth in Feet scaled 1:240

Database File:	camp 23-31.db
Dataset Pathname:	pass3
Presentation Format:	scbl_dr
Dataset Creation:	Tue May 08 10:13:16 2007 by Log Std Casedhole 06120
Charted by:	Depth in Feet scaled 1:240



Database File: camp 23-31.db
Dataset Pathname: pass2
Presentation Format: scbl_dr
Dataset Creation: Tue May 08 10:05:16 2007 by Log Std Casedhole 06120
Charted by: Depth in Feet scaled 1:240