CASEDHOLE SOLUTIONS

CEMENT BOND LOG

Company	WINDSOR ENERGY GROUP LLC.
Well	CSF 33-07-07-91
Field	MAMM CREEK
County	GARFIELD
State	CO.

Company WINDSOR ENERGY GROUP LLC.
Well CSF 33-07-07-91
Field MAMM CREEK
County GARFIELD State CO.

Location: API #:
SURFACE: 644' FSL & 2166' FEL
SEC 07 TWP 07S RGE 91W

Other Services

Permanent Datum	GROUND LEVEL	Elevation 7041'	Elevation
Log Measured From	KELLY BUSHING 22'		K.B. 7063'
Drilling Measured From	KELLY BUSHING		D.F. 7062'
			G.L. 7041'

Date	12-5-2006
Run Number	1
Depth Driller	7165'
Depth Logger	7028'
Bottom Logged Interval	7028'
Top Log Interval	
Open Hole Size	8.625"
Type Fluid	WATER
Density / Viscosity	8.4#
Max. Recorded Temp.	199 DEG.
Estimated Cement Top	LOGGED
Time Well Ready	ON ARRIVAL
Time Logger on Bottom	12:47 PM
Equipment Number	113
Location	VERNAL
Recorded By	BRYAN LAFOLLETTE
Witnessed By	JIM DSHAAK

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625	24#	SURFACE	1488'
Prot. String				
Production String	4.5"	11.6#	SURFACE	T.D.
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

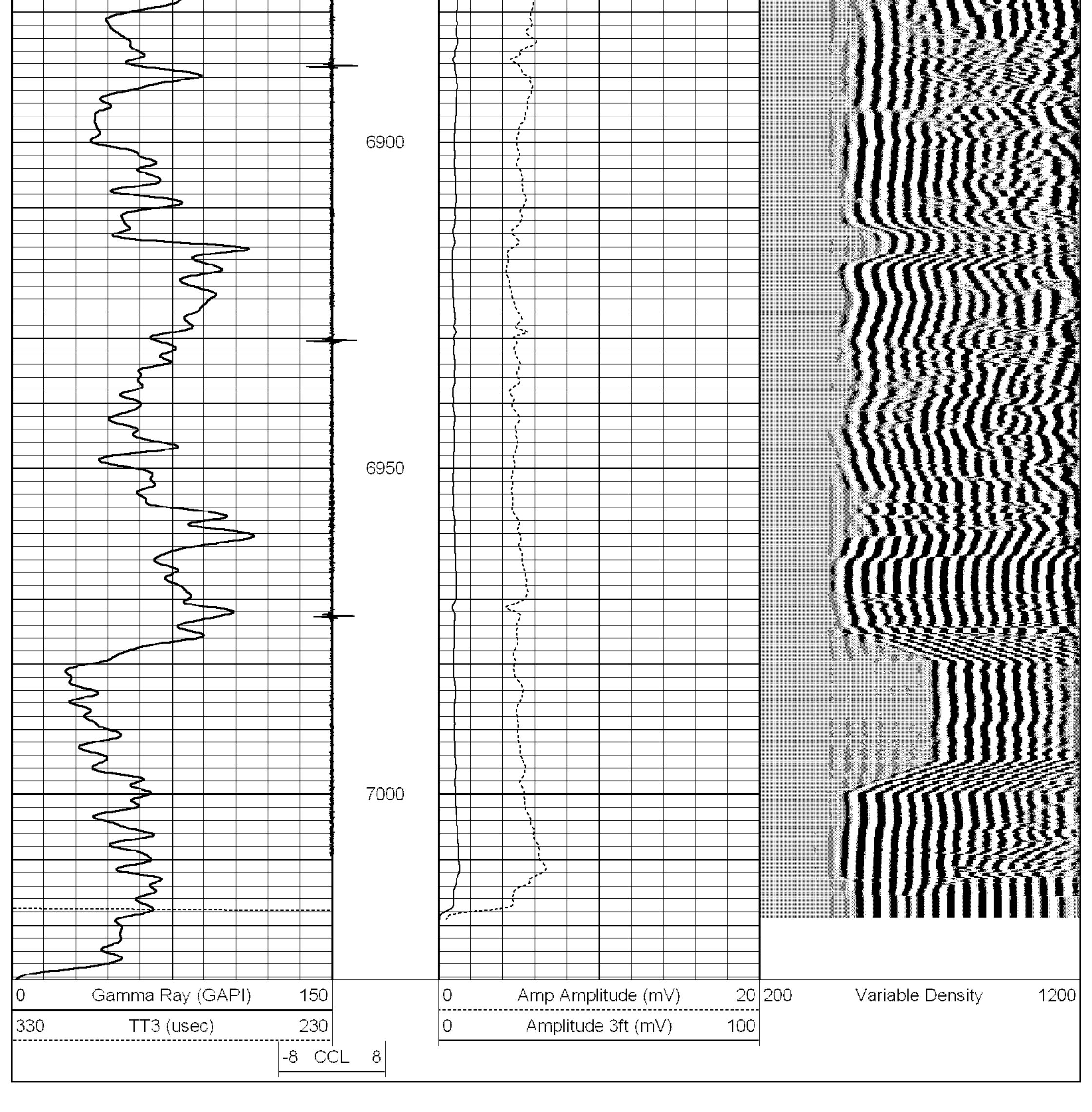
CORRELATED TO HES DSN/SDL LOG DATED 11-23-2006
SHORT JOINT: 4722'-4745' & 5742'-5764'

Database File: v-3091.db
Dataset Pathname: pass9
Presentation Format: vcbl
Dataset Creation: Tue Dec 05 14:01:11 2006 by Log Std Casedhole 06040
Charted by: Depth in Feet scaled 1:240

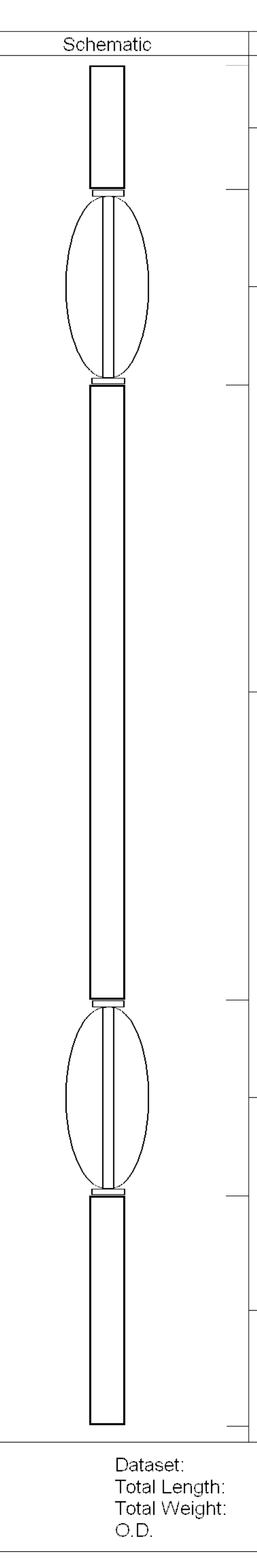
CASEDHOLE SOLUTIONS

REPEAT SECTION "0" PSI

Database File:	v-3091.db
Dataset Pathname:	pass8
Presentation Format:	vcbl
Dataset Creation:	Tue Dec 05 13:46:38 2006 by Log Std Casedhole 06040
Charted by:	Depth in Feet scaled 1:240



Sensor	Offset (ft)
CCL	18.94
CENT	18.27
CBLTEKCO	15.37
TEMP	12.73
WVFCAL	11.29
WVF3FT	10.54
WVF5FT	9.54
WVFTEMP	6.29
WVFSYNC	6.29
CENT	6.29
GR	1.29



Description	Len (ft)	OD (in)	Wt (lb)
CCL-CCLTEK275 (CCLTEK275:01) 2 3/4" TEKCO LOGGING COLLAR LOCATOR	1.83	2.75	20.00
CENTTEK1.1 1 3/4" APPLIED CENTRALIZER	2.90	1.75	10.00
CBLTEKCO-TEKTP (TEK35_TP275:01) Tekco 2 3/4" Dual Receiver with Temp	9.08	2.75	80.00
CENTTEK1.1 1 3/4" APPLIED CENTRALIZER	2.90	1.75	10.00
GR-GRGTEK2.75 (GRGTEK275:01) 2 3/4" TEKCO GIEGER LOGGING GAMMA RAY	3.40	2.75	25.00

Dataset: v-3091.db: field/well/run1/pass9
Total Length: 20.10 ft
Total Weight: 145.00 lb
O.D. 2.75 in