SUPERIOR WELL SERVICES

SUPERIOR
STERLING, CO
UNIT 0700

GAMMA RAY C.C.L.
CEMENT BOND V.D.L.

Company	NOBLE ENERGY
Well	FIVE RIVERS K15-31D
Field	WATTENBERG
County	WELD
State	COLORADO

Company NOBLE ENERGY
Well FIVE RIVERS K15-31D
Field WATTENBERG
County WELD State COLORADO

Location: Sec 16 Twp 4N Rge 66W
SHL: 240' FNL & 246' FEL NENE
BHL: 1320' FNL & 75' FEL SENE

Other Services

Permanent Datum GL Elevation 4730
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4745
D.F. 4744
G.L. 4730

Date	22-FEB-2011
Run Number	ONE
Depth Driller	7573
Depth Logger	7507
Bottom Logged Interval	7506
Top Log Interval	SURFACE
Fluid Level	7.875
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	246° F
Estimated Cement Top	
Time Well Ready	MAST UNIT
Time Logger on Bottom	1-11/16#2
Equipment Number	T1
Location	45
Recorded By	LEROY HOBBS
Witnessed By	MITCH TRIMBLE

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8-5/8	24.00 / J-55	SURFACE	687.00
Prot. String				
Production String	4-1/2	11.60 / M-80	SURFACE	7563.00
Liner				

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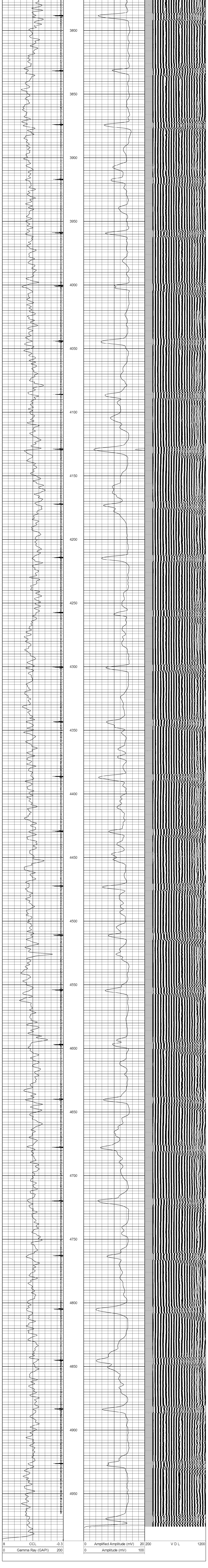
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

THANK YOU FOR USING SUPERIOR WELL SERVICES.

CORRECTED DOWN HOLE 13' TO CORRELATE WITH
HALLIBURTONS TRUE RESISTIVITY LOG DATED 10-FEB-2011.

Database File: fiveriver15-31cbl.db
Dataset Pathname: pass3
Presentation Format: nuexcbl
Dataset Creation: Tue Feb 22 13:28:08 2011 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240



Database File: fiveriver15-31cbl.db
Dataset Pathname: pass2
Presentation Format: nuexcbl
Dataset Creation: Tue Feb 22 13:00:38 2011 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240