Company	AMERICAN WARRIOR, INC.
Well	KUEHNE A-1
Field	DEVALD NORTH
County	NESS
Location	330' FSL & 330' FEL
	SEC. 1 TWP. 18 S RGE. 25 W
Elevation	Permanent Datum: GL 2246 ft. Log Measured From: KB 8 ft. Above Perm. Datum
Date	10-Nov-2011
Run No.	ONE
Depth-Driller	4250
Depth-Logger	4250
Bottom Log Interval	4250
Top Log Interval	3000
Casing-Driller	8.625 @ 224 ft.
Casing-Logger	NONE
Bit Size	7.875 in.
Type Fluid in Hole	WATER
Density / Viscosity	9.0 / 50
Max. Rec. Temp.	110 F
Estimated Cement Top	2700
Equipment / Location	10-Nov-2011
Recorded By	10-Nov-2011
Witnessed By	10-Nov-2011

Perf-Tech Wireline Services

DUAL RECEIVER CEMENT BOND LOG

Company AMERICAN WARRIOR, INC.
Well KUEHNE A-1
Field DEVALD NORTH
County NESS
State KANSAS
Other Services
NEUTRON DENSITY
Sec. 1 Twp. 18 S Rge. 25 W
Permanent Datum GL 2246 ft.
Log Measured From KB 8 ft. Above Perm. Datum
Elevation KB 2254 ft.
DF
GL

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 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 forth in our current Price Schedule.

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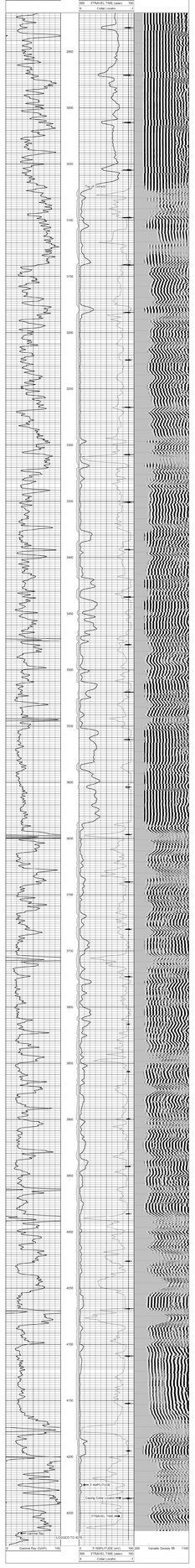
MAIN PASS

Perf-Tech Wireline Services

Database File nov2011ST1.db
Dataset Pathname pass1
Presentation Format 3cf
Dataset Creation Tue Nov 08 09:55:40 2011 by Log Net Cassettes 06040
Charted by Depth in Feet scaled 1:240


Gamma Ray (GAPI) 150
0 3 AMPLITUDE (mv) 100,000
400 2TRAVEL TIME (usec) 100
0 Collar Locator 1
Variable Density 30 1100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
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1900
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3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4250
Casing Collar Locator
2TRAVEL TIME
Gamma Ray
CCL
CCL CCL CCL