



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 68, Osawatomie, KS 66064  
 913 / 735 - 2128

**GAMMA RAY / NEUTRON / CCL**

File No.

Company **RJ Enterprises**

Well **Welsh "B" No.- 5**

Field **Centerville**

County **Anderson** State **Kansas**

Location **527' FSL & 1511' FEL**

NE-SE-SW-SE

Sec 15

Permament Datum

Log Measured From

Drilling Measured From

Date **08-20-2013**

Run Number **One**

Depth Driller **638.0**

Depth Logger **632.0**

Bottom Logged Interval **631.0**

Top Log Interval **20.0**

Fluid Level **Full**

Type Fluid **Water**

Density / Viscosity **NA**

Salinity - PPM Cl **NA**

Max Recorded Temp **NA**

Estimated Cement Top **0.0**

Equipment No. **102** Location **Osawatomie**

Recorded By **Gary Wandsch**

Witnessed By **Jason Kent**

BORE-HOLE RECORD		CASING RECORD	
No.	BIT FROM TO	SIZE FROM TO	WGT. FROM TO
One	9.875" 0.0 20.0	7.00" 17.0" 0.0	17.0 # 0.0
Two	5.625" 20.0 638.0	2.875" 6.5" 0.0	0.0 632.0

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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

Drilling Contractor :  
 RJ Enterprises

Database File: welsh5b.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Tue Aug 20 13:18:39 2013 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

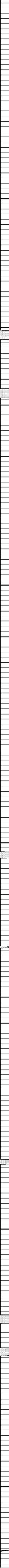
0	Gamma Ray (cps)	150
150	Gamma Ray (cps)	300

-1	CCL	1
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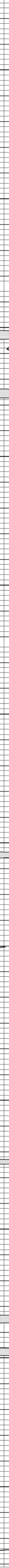
100	Neutron (cps)	1900
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0	Gamma Ray (cps)	150
150	Gamma Ray (cps)	300



-1	CCL	1
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100	Neutron (cps)	1900
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09-03-2013  
 Perforated Interval  
 600.0 - 610.0 21 Perfs  
 2" DML RTG