Company	TAILWATER, INC.
Well	KEMPNICH #21-IW
Field	GARNETT SHOESTRING
County	ANDERSON
State	KANSAS

ORNISH WIRELINE SERVICES, INC. CHANUTE, KANSAS

GAMMA RAY NEUTRON COMPLETION LOG

Company	TAILWATER, INC.
Well	KEMPNICH #21-IW
Field	GARNETT SHOESTRING
County	ANDERSON
State	KANSAS
Location:	API # 15-003-25141-0-00
	990' FNL & 990' FWL
	SEC. 22 TWP. 20S RGE. 20E
	52 W/W/W
Elevation:	986' EST.kb
	984' EST.gl
Permanent Datum:	Ground Level
Log Measured From:	2 Ft. Above Perm. Datum
Drilling Measured From:	G.L.
Date:	3-5-2012
Run Number:	ONE
Depth Driller:	724
Depth Logger:	724
Bottom Logged Interval:	719.5'
Top Log Interval:	24.0'
Casing Driller:	7 in @ 24.0'
Casing Logger:	WA/35
Bit Size:	5 7/8"
Type Fluid in Hole:	WATER
Dens / Visc:	N/A
pH / Fluid Loss:	N/A
Source of Sample:	FLOWING
Rm @ Meas Temp:	N/A
Rmf @ Meas Temp:	N/A
Rmc @ Meas Temp:	N/A
Source: Rmf / Rmc:	N/A
Rm @ BHT:	N/A
Time Since Circulation:	24 HRS
Time Since Stop Drilling:	24 HRS
Max. Recorded Temp:	85 F
Equipment / Location:	105 / HOPKINS, O
Recorded By:	RICHARDS, D
Witnessed By:	

*** Total Files ***

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.

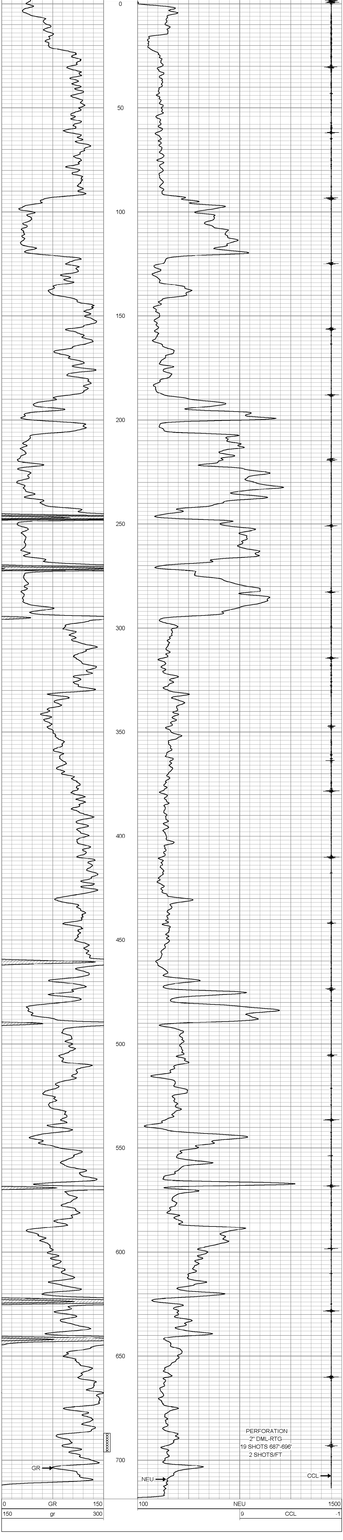
Comments

THANK YOU

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.59		GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05		CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
NEU	0.63		NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

Dataset:	kempnich #21-iw db: field/well/run1/pass1
Total Length:	10.92 ft
Total Weight	47.50 lb
O.D.	1.69 in

Database File:	g:\kempnich #21-iw db
Dataset Pathname:	pass1
Presentation Format:	gr-n-ccl
Dataset Creation:	Mon Mar 05 12:12:19 2012 by Log Std Casedhole 07122
Charted by:	Depth in Feet scaled 1:240



ORNISH WIRELINE SERVICES, INC. CHANUTE, KANSAS

Company	TAILWATER, INC.
Well	KEMPNICH #21-IW
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State	KANSAS Date 3-5-2012