



GAMMA RAY  
NEUTRON  
CEMENT BOND  
COMPLETION LOG

Company SOUTHWINDS ENERGY, LLC  
Well MELANDER #33  
Field WAYSIDE-HAVANA  
County MONTGOMERY  
State KANSAS

Location: SEC 2 TWP 34S RGE 14E  
1490' FULL & 360' FEL  
NWI/SE/NE  
Permian Basin  
Log Measured From GL  
Dip/Incl Measured From GL  
Run Number 1 NW  
Date 7-3-12  
Depth Layer 703' T  
Depth Interval 0  
Top Log Interval 703' T  
Bottom Logged Interval FULL  
Fluid Level

AP# : 15-135-32242-00-00  
Other Services

Population Census: 2.76' @ TD @  
Max. Reservoir Temp.:  
Estimated Cement Top:  
Cemented Cement Top:  
Amount & Type Cement:  
Drilling Contractor:  
Equipment Number: 105  
Location: HALL, R  
Recorded By: JONES, G

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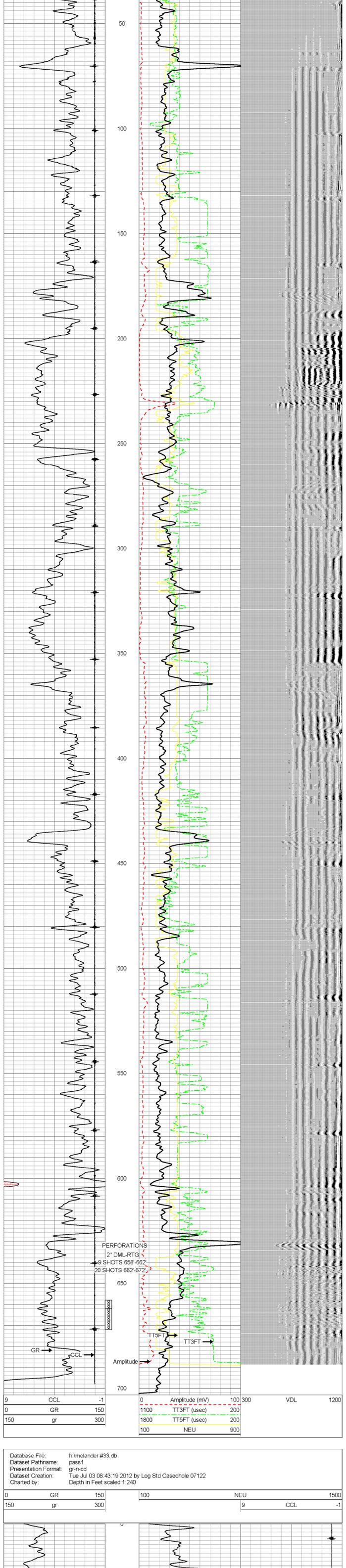
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
WV3FT	15.33	[Schematic diagram showing sensor positions]	CBL-TEKCO-TEKCO2RCVR (TEKCO169) 1 11/16" TEKCO 2 RCVR DELWARE	9.75	1.69	50.00
WV6FT	14.33					
WVFCAL WVFSYNC	10.92 10.92					
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: melander #33.cb: field/well/run1/pass1  
Total Length: 20.67 ft  
Total Weight: 97.50 lb  
O.D.: 1.69 in

Database File: h:\melander #33.db  
Dataset Pathname: pass1  
Presentation Format: scbt\_or  
Dataset Creator: Tue Jul 03 08:43:19 2012 by Log Std Casedhole 07122  
Charted by: Depth in Feet scaled 1.240



Database File: h:\melander #33.db  
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Presentation Format: gr-n-ccl  
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