CORNISH WIRELINE SERVICES, INC. CHANUTE, KANSAS

GAMMA RAY NEUTRON CEMENT BOND COMPLETION LOG

Company	ERS OPERATING COMPANY, LLC
Well	NELLIE MOORE #1-B
Field	WAYSIDE - HAVANA
County	CHAUTAUQUA State KANSAS
Location:	API # : 15-019-27382-00-00 200' FSL & 775' FEL SE-SW-SE-SE
	SEC 33 TWP 33S RGE 13E
Other Services	OPEN HOLE 1-4-14

		Elevation	
Permanent Datum	GL	Elevation 893'	K.B. D.F. G.L. 893'
Log Measured From	GL		
Drilling Measured From	GL		

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Date	5-2-14		
Run Number	2 NW		
Depth Driller	1715'		
Depth Logger	1681.5'		
Top Log Interval	0		
Bottom Logged Interval	1681.5'		
Fluid Level	FULL		
Type Fluid	WATER		
Production Casing	4.5" @ TD	@	@
Max. Recorded Temp.			
Estimated Cement Top			
Calculated Cement Top			
Amount & Type Cement			
Amount & Type Admix			
Drilling Contractor			
Equipment Number	103		
Location			
Recorded By	SOLOMON, B.		
Witnessed By	COODY, R.		

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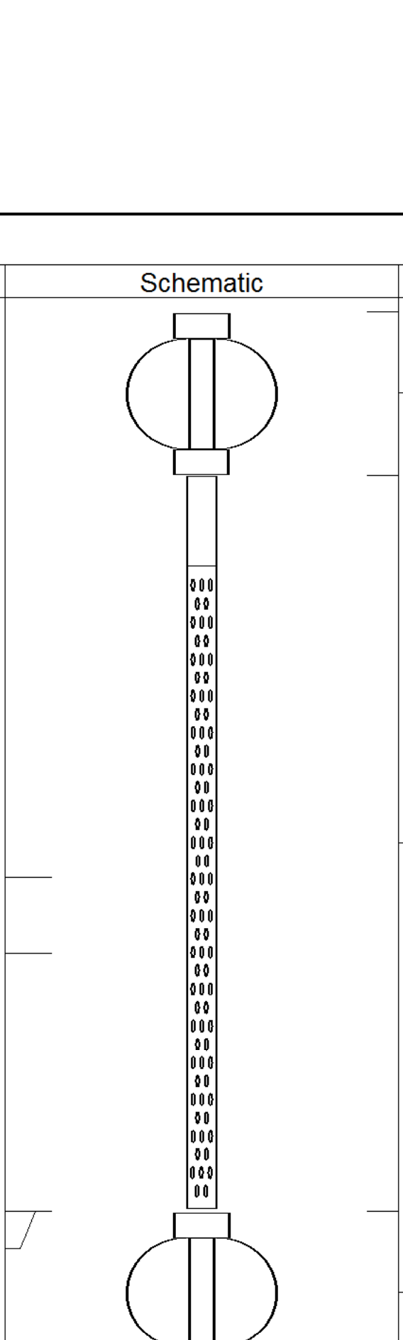
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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)
WVF3FT	17.50
WVF5FT	16.50
WVFCAL	13.08
WVFSYNC	13.08
GR	7.59
CCL	5.05
NEU	0.63

Description	Len (ft)	OD (in)	Wt (lb)
tekco tekco cent.	2.17	1.69	5.00
CBLTEKCO-TEKCO2RCVR (TEKCO169) 1 11/16" TEKCO 2 RCVR DELWARE	9.75	1.69	50.00
tekco tekco cent.	2.17	1.69	5.00
GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
NEU-TITAN (TIT801) TITAN 1 11/16" Neutron	4.33	1.69	25.00

Dataset: nellie moore #1-b.db: field/well/run1/pass1
Total Length: 25.00 ft
Total Weight: 112.50 lb
O.D. 1.69 in

Database File: e:\nellie moore #1-b.db
Dataset Pathname: pass1
Presentation Format: scbl_dr
Dataset Creation: Fri May 02 10:16:59 2014 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

Gamma Ray	Collar Locator	AMP3FT (mV) / TT3FT (usec) / TT5FT (usec) / NEU (cps)	VDL
0 Gamma Ray 150	0 Collar Locator	0 AMP3FT (mV) 200	200 VDL 1200
150 gr 300	9 0	1100 TT3FT (usec) 200	
		1800 TT5FT (usec) 200	
		100 NEU (cps) 1600	

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