WARRIOR ENERGY SERVICES

Radial Cement Bond
Gamma Ray
C.C.L

Company	KERR-McGEE OIL & GAS ONSHORE LP
Well	COOK 31-9
Field	WATTENBERG
County	WELD
State	COLORADO

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Well COOK 31-9
Field WATTENBERG
County WELD State COLORADO
Location: API # : 05-123-32591
SHL:2390' FNL & 2623' FWL
SEC 9 TWP 2N RGE 65W

Other Services

Permanent Datum	GL	Elevation 4872	Elevation
Log Measured From	KB 15		K.B. 4887
Drilling Measured From	KB		D.F. 4886
			G.L. 4872

Date	1/28/13
Run Number	ONE
Depth Driller	8405
Depth Logger	4447
Bottom Logged Interval	4444
Top Log Interval	50
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	1.0
Max. Recorded Temp.	N/A
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
Equipment Number	3812
Location	GREELEY
Recorded By	M.JANDREAU
Witnessed By	J.CHANDLER

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE		0	728				
TWO							

	Size	Wgt/Ft	Top	Bottom
Casing Record				
Surface String				
Prot. String				
Production String				
Liner				

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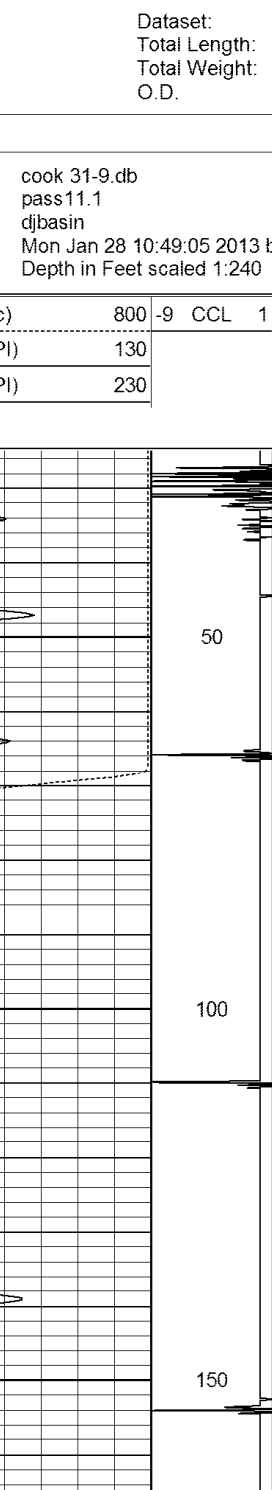
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STD-Standard (STNDRD) Standard Cable Head	0.83	1.44	1.00
			Probe	2.67	2.75	40.00
HEADVOLT	15.92					
IntTemp	14.50					
WVF3FT	11.25		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	11.25					
WVFS1	11.25					
WVFS2	11.25					
WVFS3	11.25					
WVFS4	11.25					
WVFS5	11.25					
WVFS6	11.25					
WVFS7	11.25					
WVFS8	11.25					
WVF5FT	10.25					
			Probe	2.67	2.75	40.00
CCL	3.64					
			GR-Probe (275) Probe 2.75"	4.33	2.75	30.00
GR	0.90					

Dataset:	cook 31-9.db: field/well/run1/pass11.1
Total Length:	19.42 ft
Total Weight:	201.00 lb
O.D.	2.75 in

Database File:	cook 31-9.db
Dataset Pathname:	pass11.1
Presentation Format:	djbasin
Dataset Creation:	Mon Jan 28 10:49:05 2013 by Calc 7.0 B1
Charted by:	Depth in Feet scaled 1:240

200	TT (usec)	800	-9	CCL	1	0	AMP (mV)	100	200	VDL	1200
30	GR (GAPI)	130				0	AMPx5 (mV)	20			
130	GR (GAPI)	230					IntTemp (degF)				

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