WARRIOR ENERGY SERVICES

CEMENT BOND LOG
GAMMA RAY
CCL

Company	KERR-McGEE OIL & GAS ONSHORE LP
Well	LORENZ CHRIS C #1
Field	WATTENBERG
County	WELD
State	COLORADO

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Location: API #: 05-123-07911
NE/SW
SEC 2 TWP 3N RGE 66W

Other Services

Permanent Datum	GL	Elevation	4857	Elevation K.B. 4869 D.F. 4868 G.L. 4857
Log Measured From	KB			
Drilling Measured From	KB			

Date	3-4-2013
Run Number	ONE
Depth Driller	7930
Depth Logger	7558
Bottom Logged Interval	7554
Top Log Interval	700
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	1.0
Max. Recorded Temp.	N/A
Estimated Cement Top	7104/4292
Time Well Ready	
Time Logger on Bottom	
Equipment Number	5432
Location	GREELEY
Recorded By	M. JANDREAU
Witnessed By	D. DONOHO

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE		0	468				
TWO							

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String			0	468
Prot. String			0	
Production String				
Liner				

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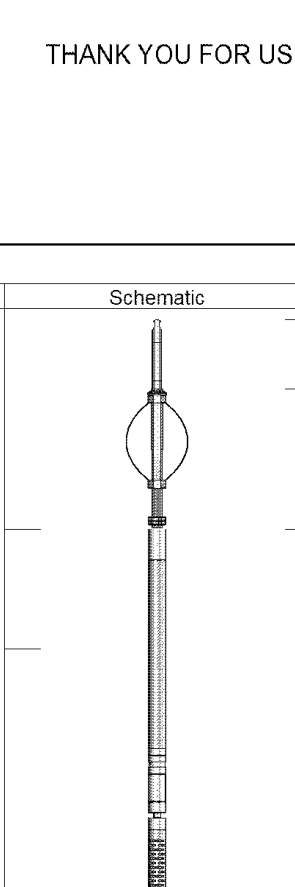
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

CORRELATED UPHOLE 4' TO SCHLUMBERGER OPEN HOLE LOG

THANK YOU FOR USING WARRIOR ENERGY SERVICES!!!!!

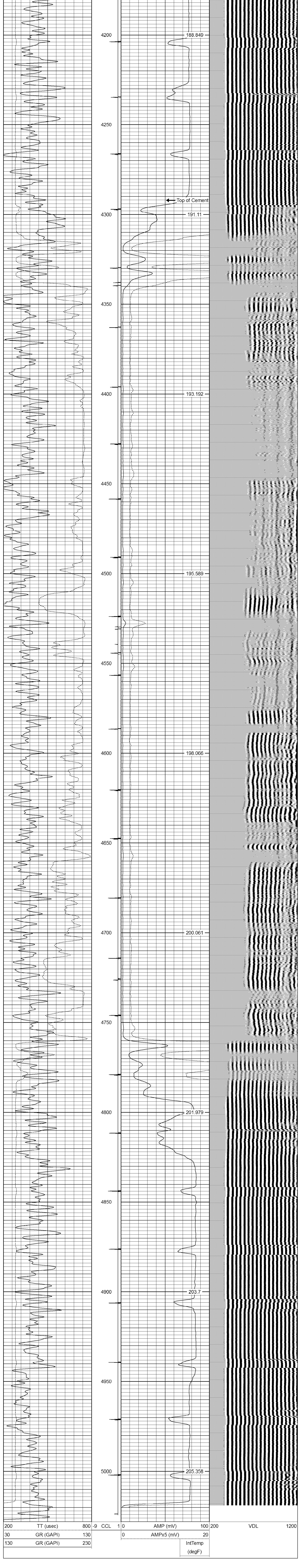


Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STD-Standard (STNDRD) Standard Cable Head	0.83	1.44	1.00
		Probe	1.67	2.75	40.00
HEADVOLT	14.92				
IntTemp	13.50				
WVF3FT	10.25	RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	10.25				
WVFS1	10.25				
WVFS2	10.25				
WVFS3	10.25				
WVFS4	10.25				
WVFS5	10.25				
WVFS6	10.25				
WVFS7	10.25				
WVFS8	10.25				
WVF5FT	9.25				
		Probe	1.67	2.75	40.00
CCL	3.64				
		GR-Probe (275) Probe 2.75"	4.33	2.75	30.00
GR	0.90				

Dataset: lorenz chris c#1.db: field/well/run1/pass5.3
Total Length: 17.42 ft
Total Weight: 201.00 lb
O.D. 2.75 in

Database File: lorenz chris c#1.db
Dataset Pathname: pass5.3
Presentation Format: djbasin
Dataset Creation: Mon Mar 04 10:06:17 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)	



Database File: lorenz chris c#1.db
Dataset Pathname: pass4
Presentation Format: djbasin
Dataset Creation: Mon Mar 04 08:26:15 2013 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

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Well	LORENZ CHRIS "C" #1
Field	WATTENBERG
County	WELD
State	COLORADO