WARRIOR
ENERGY SERVICES

Radial Cement Bond Log
Gamma-Ray
CCL

Company BONANZA CREEK ENERGY
Well STATE ANTELOPE T-28-21-XRLNB
Field WILDCAT
County WELD
State COLORADO

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County WELD State COLORADO

Location: API # : 05-123-36879-00
SE SE
SEC 28 TWP 5N RGE 62W

Other Services

Elevation
K.B. 4644
D.F. 4643
G.L. 4627

Permanent Datum GL Elevation 4627
Log Measured From KB 17'
Drilling Measured From KB

Date	7-2-2013		
Run Number	ONE		
Depth Driller	15670		
Depth Logger	6500		
Bottom Logged Interval	6500		
Top Log Interval	SURFACE		
Open Hole Size	7"		
Type Fluid	WATER		
Density / Viscosity	1.0		
Max. Recorded Temp.	214		
Estimated Cement Top	5180		
Time Well Ready			
Time Logger on Bottom			
Equipment Number	3812		
Location	GREELEY		
Recorded By	C.JONES		
Witnessed By	K.DODGE		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	13.5	0	410				
TWO	8.75	410	6586				
THREE	6.125	6586	15615				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625	36#	0	410
Prot. String	7	26#	410	6586
Production String	4.5	11.6#	6586	15615
Liner	6431			

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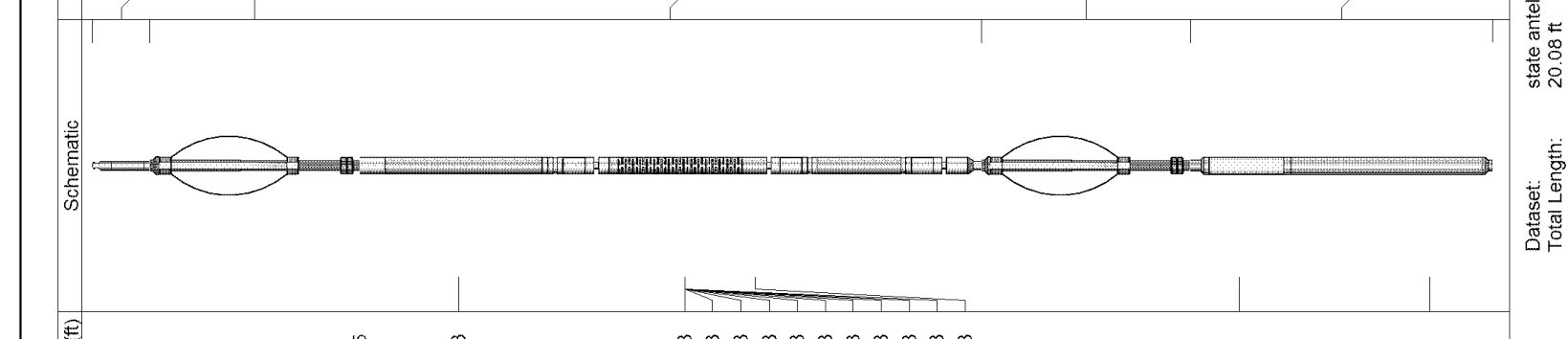
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

RAN CBL TO VERIFY CEMENT BOND.
TIED INTO LINER TOP @ 6431'

THANK YOU FOR USING WARRIOR.



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STD-Standard (STNDRD) Standard Cable Head	0.83	1.44	1.00
		Probe	3.00	2.75	40.00
HEADVOLT	16.25				
IntTemp	14.83				
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.58 11.58 11.58 11.58 11.58 11.58 11.58 11.58 11.58 11.58 10.58	RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		Probe	3.00	2.75	40.00
CCL	3.64				
GR	0.90	GR-Probe (275) Probe 2.75"	4.33	2.75	30.00

Dataset: state antelope t 28 21 xrlnb.db: field/well/run1/pass12
Total Length: 20.08 ft
Total Weight: 201.00 lb
O.D. 2.75 in

Database File: state antelope t 28 21 xrlnb.db
Dataset Pathname: pass12
Presentation Format: ips_rbt
Dataset Creation: Tue Jul 02 11:42:03 2013 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

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