WARRIOR ENERGY SERVICES

Sonic Bond Log
Gamma-Ray
CCL

Company	BONANZA CREEK ENERGY
Well	STATE ANTELOPE 0-K-24HNB
Field	WATTENBERG
County	WELD
State	COLORADO

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Field WATTENBERG
County WELD State COLORADO
Location: API # : 05-123-36467
THL 470' FSL & 2678' FWL
BHL470 FNL & 2650' FEL
SWSE
SEC 24 TWP 5N RGE 62W

Other Services

Permanent Datum	GL	Elevation 4517	Elevation
Log Measured From	KB 17'		K.B. 4534
Drilling Measured From	KB		D.F. 4533
			G.L. 4517

Date	3-8-2013		
Run Number	ONE		
Depth Driller	10926		
Depth Logger	6110		
Bottom Logged Interval	6080		
Top Log Interval	390		
Open Hole Size	8 3/4		
Type Fluid	WATER		
Density / Viscosity	1.0		
Max. Recorded Temp.	N/A		
Estimated Cement Top	930		
Time Well Ready			
Time Logger on Bottom			
Equipment Number	5432		
Location	GREELEY		
Recorded By	M. JANDREAU		
Witnessed By	K. DODGE		

Borehole Record			Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	410				
TWO	7 7/8"	0	6578				
THREE	6 1/8	6578	10926				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8	36	0	410
Prot. String				
Production String	7	26	0	6578
Liner	4 1/2	11.6	6578	10926

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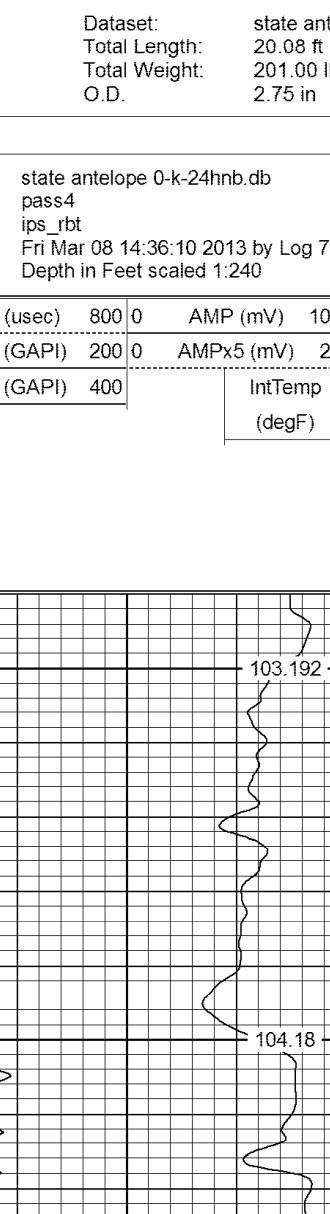
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

MAIN LOG NO OPEN HOLE

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	11.58	RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	11.58				
WVFS1	11.58				
WVFS2	11.58				
WVFS3	11.58				
WVFS4	11.58				
WVFS5	11.58				
WVFS6	11.58				
WVFS7	11.58				
WVFS8	11.58				
WVF5FT	10.58				
		Probe	3.00	2.75	40.00
CCL	3.64				
		GR-Probe (275) Probe 2.75"	4.33	2.75	30.00
GR	0.90				

Dataset: state antelope 0-k-24hnb.db: field/well/run1/pass4
Total Length: 20.08 ft
Total Weight: 201.00 lb
O.D. 2.75 in

Database File: state antelope 0-k-24hnb.db
Dataset Pathname: pass4
Presentation Format: ips_rbt
Dataset Creation: Fri Mar 08 14:36:10 2013 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

-6 CCL 1 LSPD (ft/min) 0 100	200 TT (usec) 800 0 GR (GAPI) 200 200 GR (GAPI) 400	0 AMP (mV) 100 0 AMPx5 (mV) 20 IntTemp (degF)	0 AMPS1 100 0 AMPS2 100 0 AMPS3 100 0 AMPS4 100 0 AMPS5 100 0 AMPS6 100 0 AMPS7 100 0 AMPS8 100	200 VDL 1200	1 Cement Map 8 10 85

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