



Borehole Compensated Sonic Log

Pioneer Energy Services

API No.

15-083-21879-00-00

Company American Warrior, Inc.

Well Cure-Ruff #1-9

Field Wildcat

County Hodgeman

State Kansas

Location 128' FSL / 2226' FWL

Sec: 9 Twp: 22S Rge: 21W

Other Services
CNL/CDL
MEL/DIL

Permanent Datum Ground Level Elevation 2148
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 2/16/2013

Run Number Two

Type Log BHC Sonic

Depth Driller 4500

Depth Logger 4498

Bottom Logged Interval 4487

Top Logged Interval 1000

Type Fluid In Hole Chemical

Salinity, PPM CL 6200

Density 9.2

Level Full

Max. Rec. Temp. F 121

Operating Rig Time 4 Hours

Equipment -- Location 15 Days

Recorded By R. Barnhart

Witnessed By Kevin Timson

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25 00 1020 8.625 23# 00 1020

Two 7.875 1020 TD

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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 Log-Tech, Inc.
(785) 625-3858

Burdett, KS:
6W, 1S, 1/2W, N into

Charted by:			Depth in Feet scaled 1:210			
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	dCAL (in)	16		15000	LTEN (lb) (lb)	0
						LSPD (ft/min)































