



PIONEER

Pioneer Energy Services

40 Arm Caliper Log

API No.

15-051-25450-00-00

Company Werth Exploration Trust
Well Werth Family No. 7-18
Field Leiker Trust East
County Ellis State Kansas

Location

E/2-NE-NE

Other Services

Sec: 14 Twp: 15 S Rge: 18 W

Permanent Datum Ground Level Elevation 2008
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2013
D.F. 2013
G.L. 2008

Date 06/24/2013

Run Number One

Type Log 40 Arm Caliper

Depth Driller 3588

Depth Logger 2000

Bottom Logged Interval 2000

Top Logged Interval 220

Type Fluid In Hole Water & Oil

Float Collar 1952

D.V. Tool ///

Level Full

Max. Rec. Temp. F 83

Operating Rig Time 2.5 Hrs.

Equipment -- Location 18 Hays

Recorded By D. Haga

Witnessed By John Becker

Borehole Record

Run No. Bit From To Size Wgt. From To

5.5 14.4# 0 3584

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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.

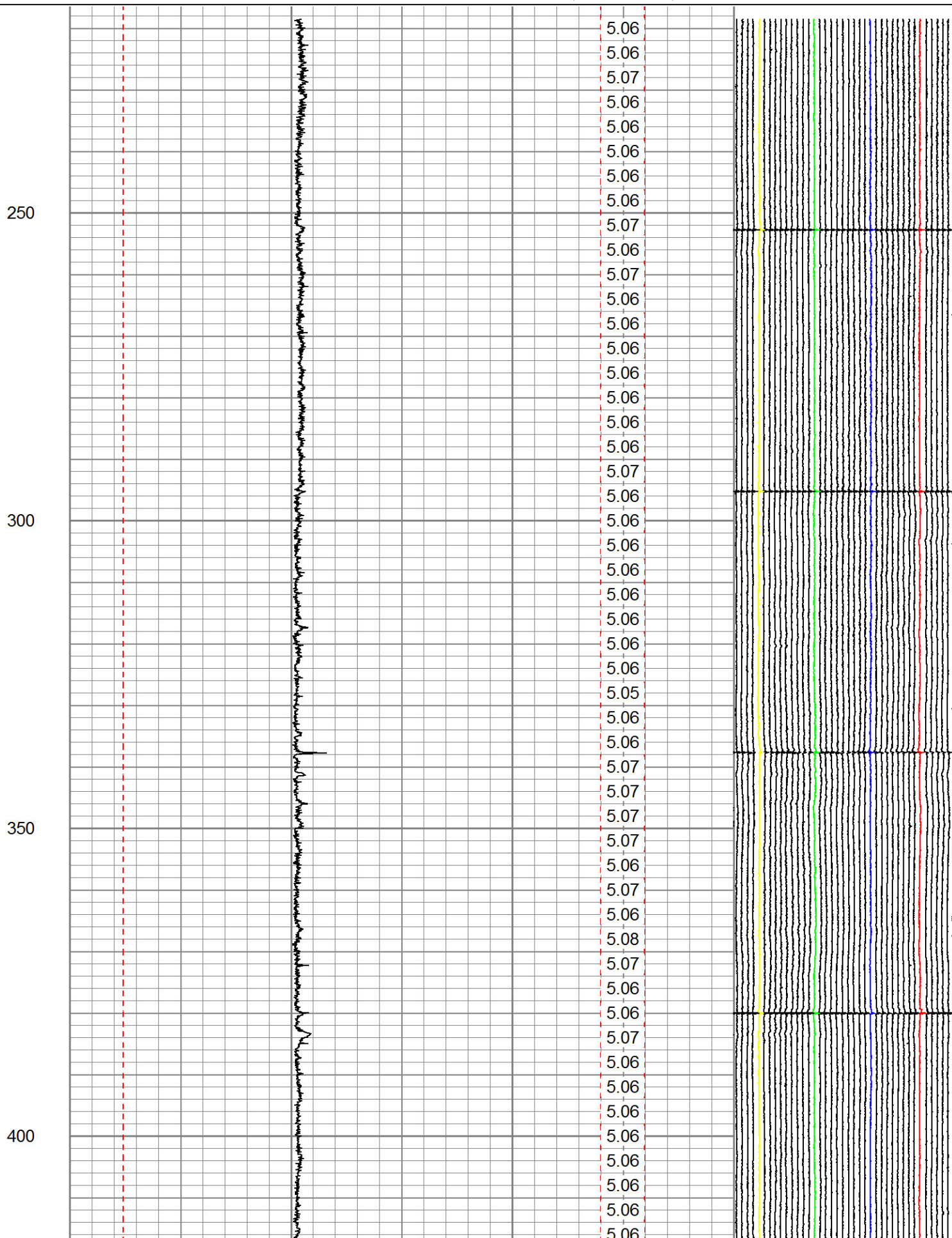
Comments

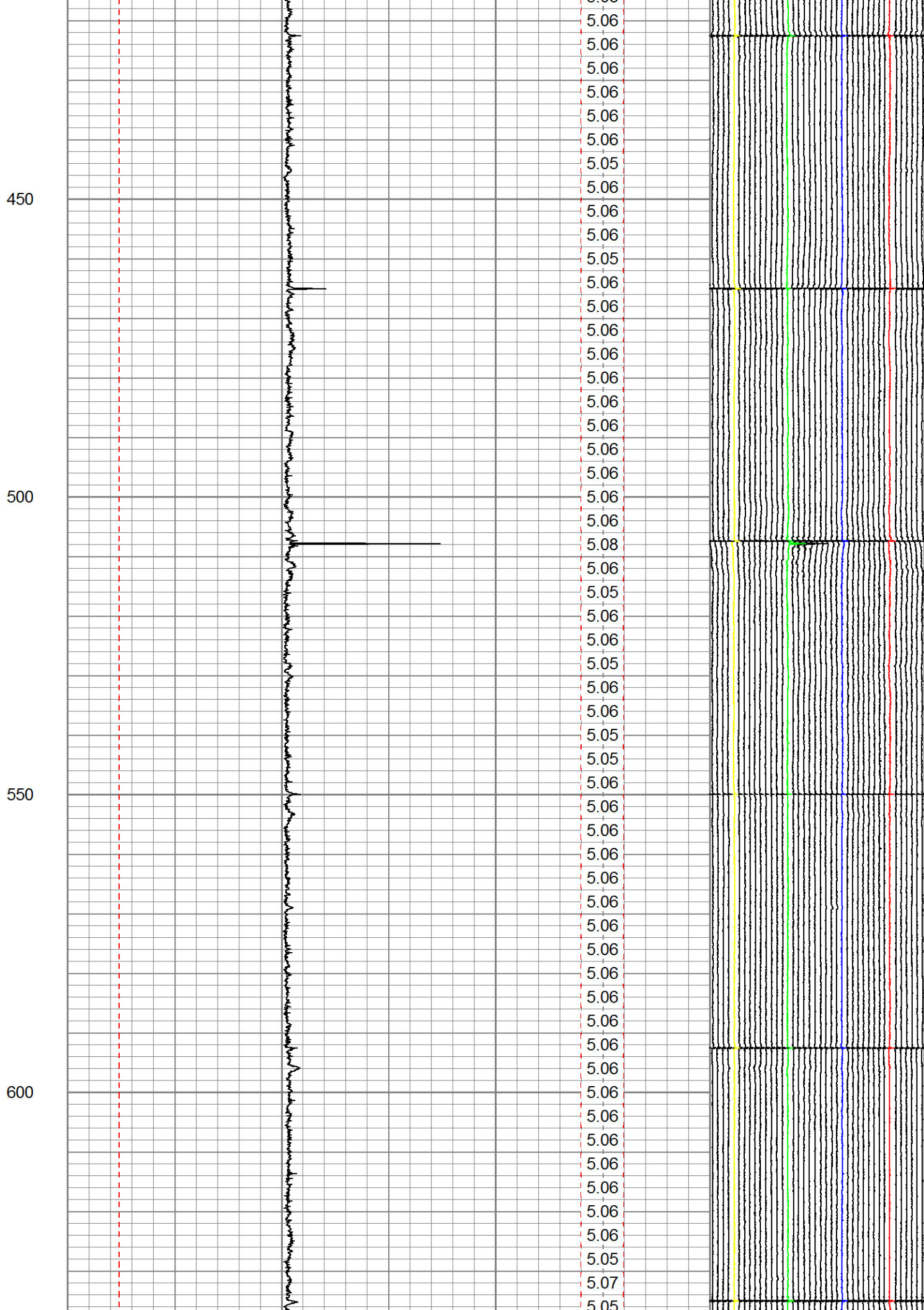
Thank you for using Pioneer Energy Services
785.625.3858

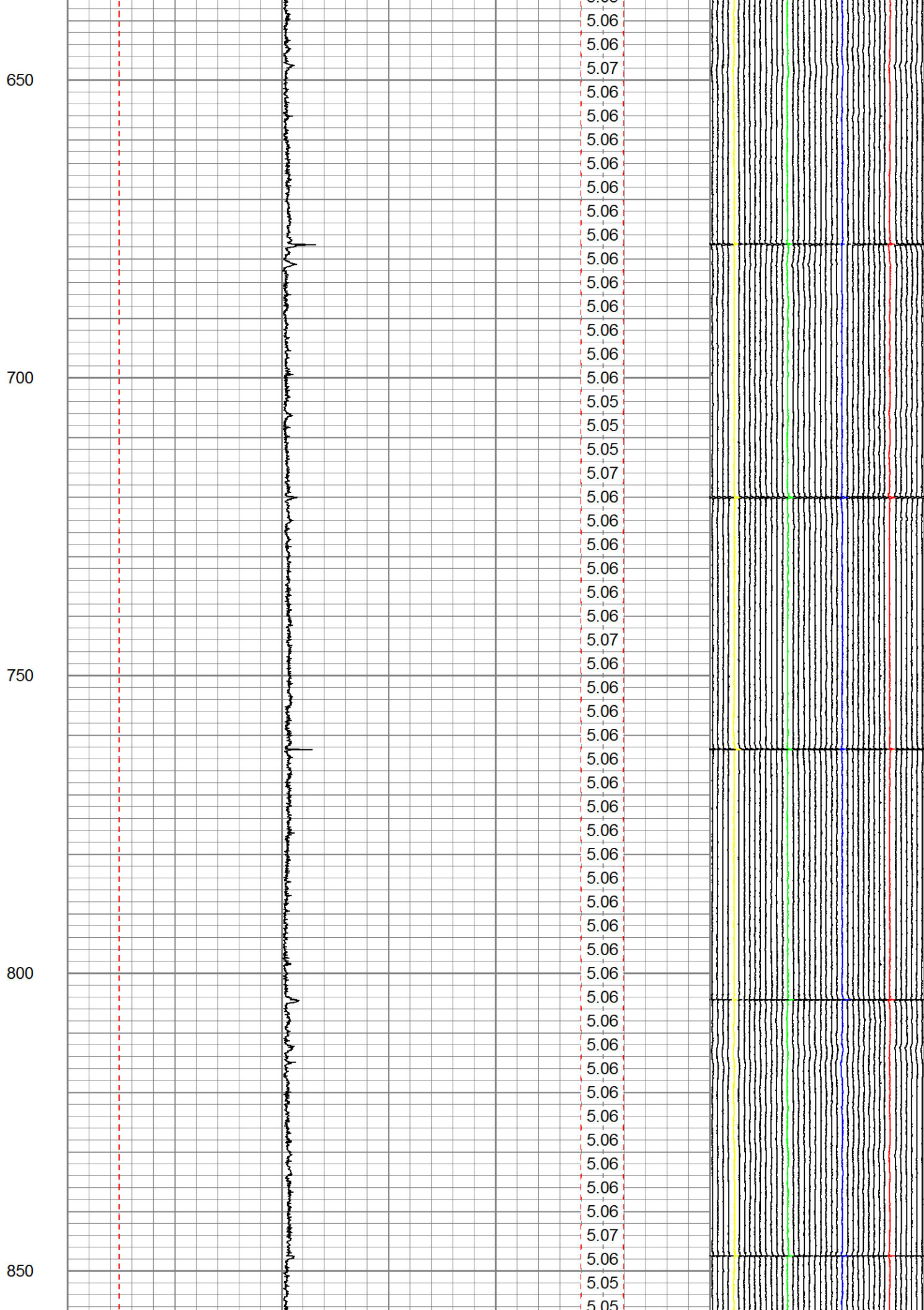
Hays, Ks. South on Hwy 183 to Norfolk Rd. 2 East,
400' South, West & South into

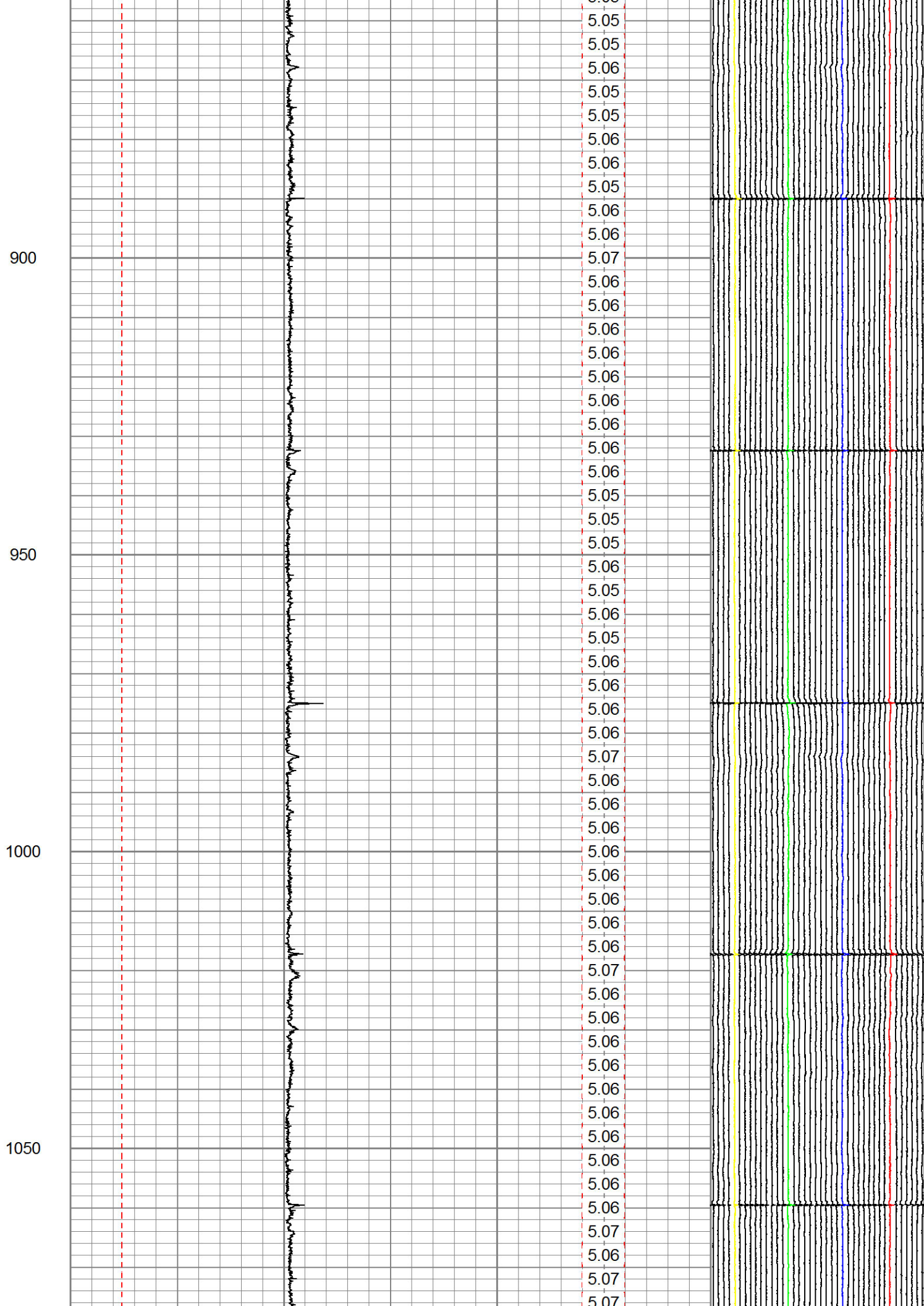
Database File: werthexploration_werthfamily_7-18.db
Dataset Pathname: 40armcali/pass2
Presentation Format: hw40mfc1
Dataset Creation: Mon Jun 24 09:23:54 2013 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

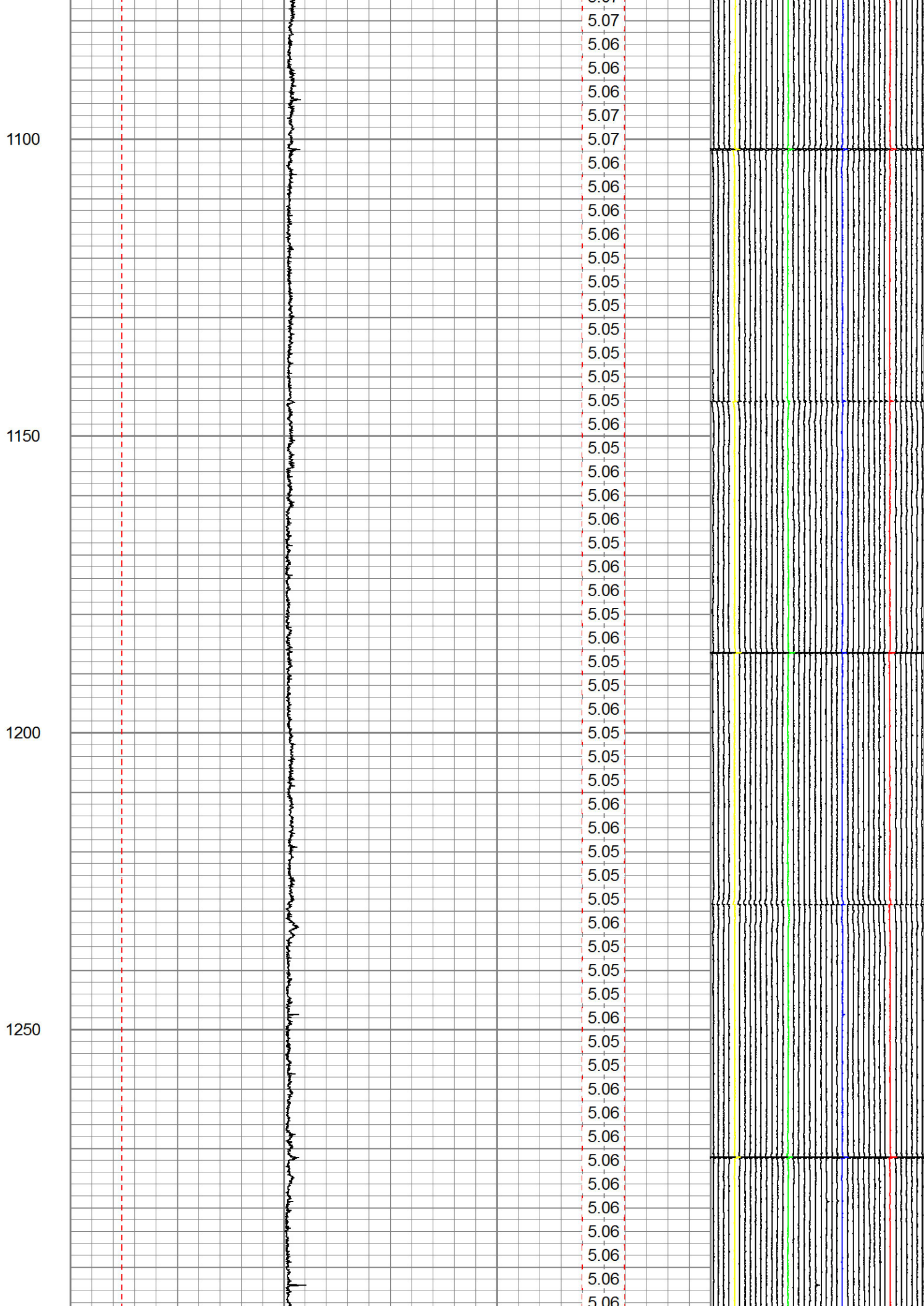
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						8	API Nom ID (in)	3	
							MAXDIA (in)		











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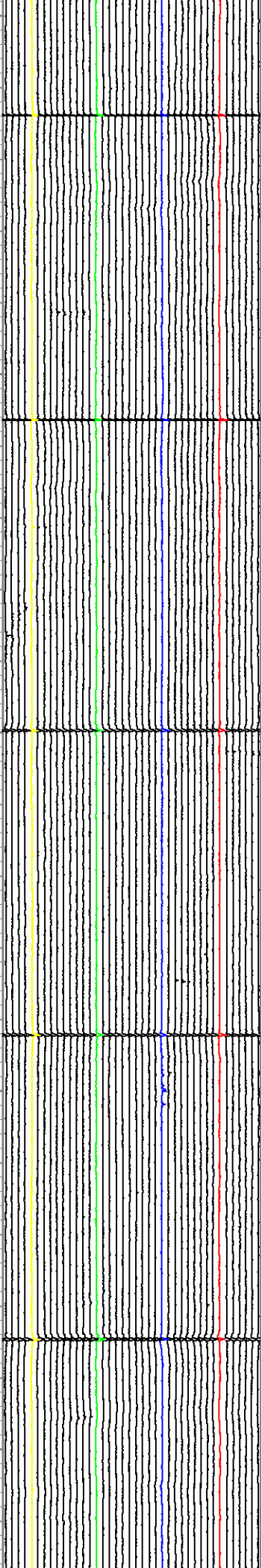
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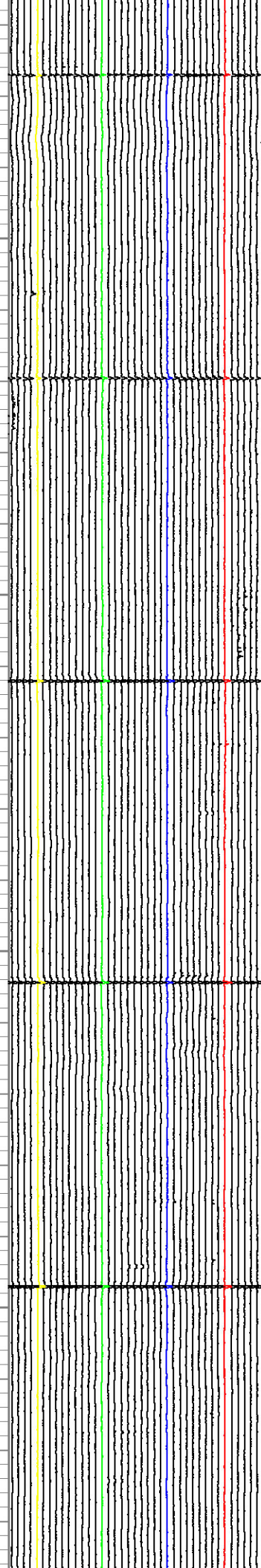
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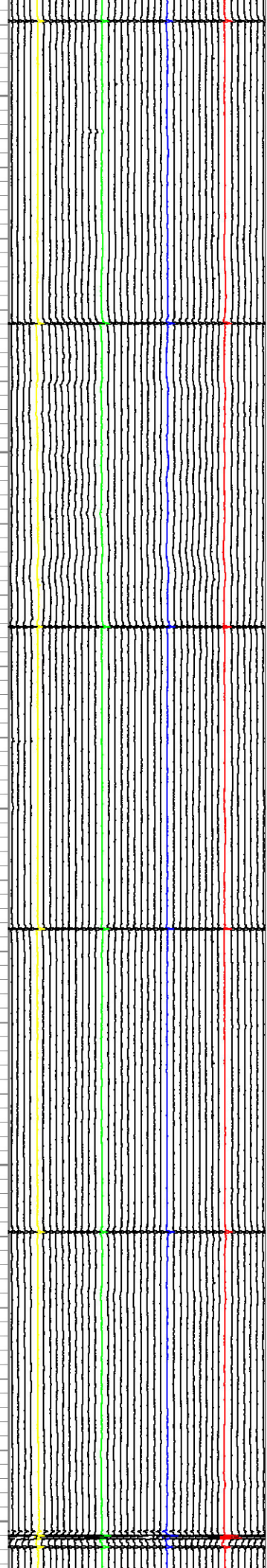
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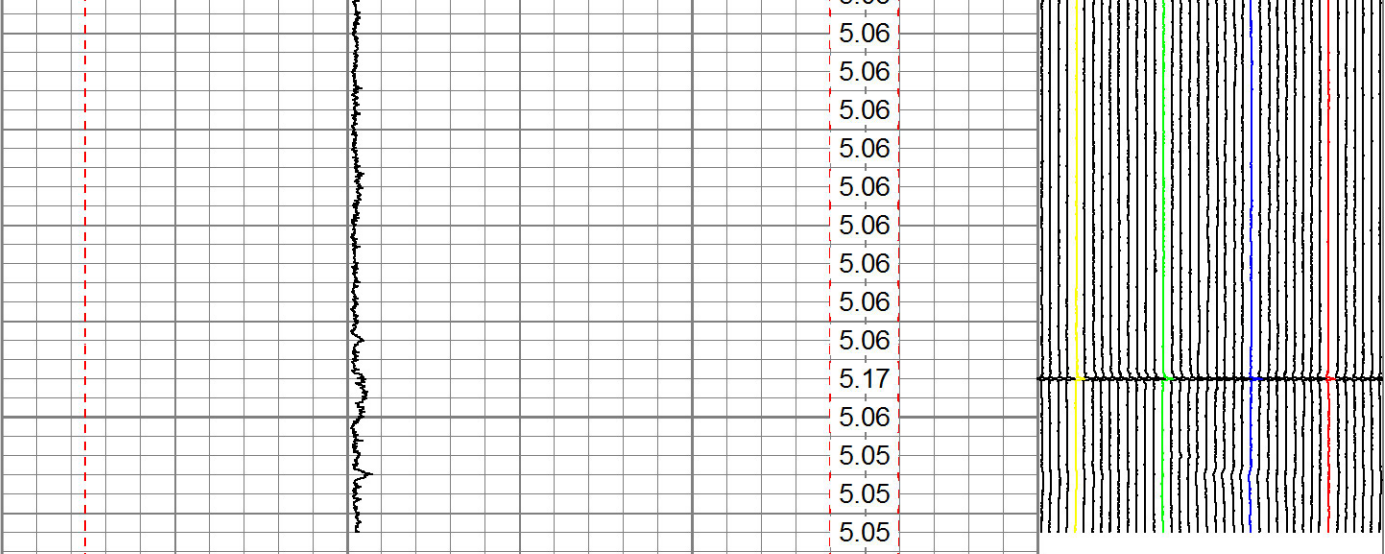
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0	NomAPIWall (in)	1	0	ECCE	0.1	3	API Nom ID (in)	8	40 Radii .075 Inc.
8	API Nom ID (in)	3							
							MAXDIA (in)		