



Computer Processed Interpretation

Pioneer Energy Services

API No.	Company Knighton Oil Company Inc.									
	Well Kachelman No. 4									
	Field Albano West									
	County Stafford		State		Kansas					
15-185-23,903-00-00	Location				330' FSL & 1350' FEL					
	Sec: 11				Twp: 25s		Rge: 14w		Other Services DIL/CNL/CDL	
Permanent Datum	Ground Level		Elevation 1962							
Log Measured From	Kelly Bushing		12 Ft. Above Perm. Datum		K.B. 1974					
Drilling Measured From	Frontkelly Bushing				D.F. 1962					
					G.L. 1962					
Date Recorded	9/14/2014									
Depth Logger	4390									
	Curve Definitions									
SW	Water Saturation									
SXO	Water Saturation In The Flushed Zone									
VCL	Volume Of Clay									
PHIE	Density - Neutron Crossplot Shale Corrected									
BWV	Bulk Volume Water									
BVWSXO	Bulk Volume Water In Flushed Zone									
DCAL	Caliper									
SPC	SP Corrected For Baseline									
DGA	Apparent Grain Density									
Payflag	If: PHIE> 2, VCL< 40, SPC> -10, SW< 50 & DCAL< 11									
Recorded By	D. Fischer J. Long									
Witnessed By	Dave Montague									
Analysis By	T. Martin									

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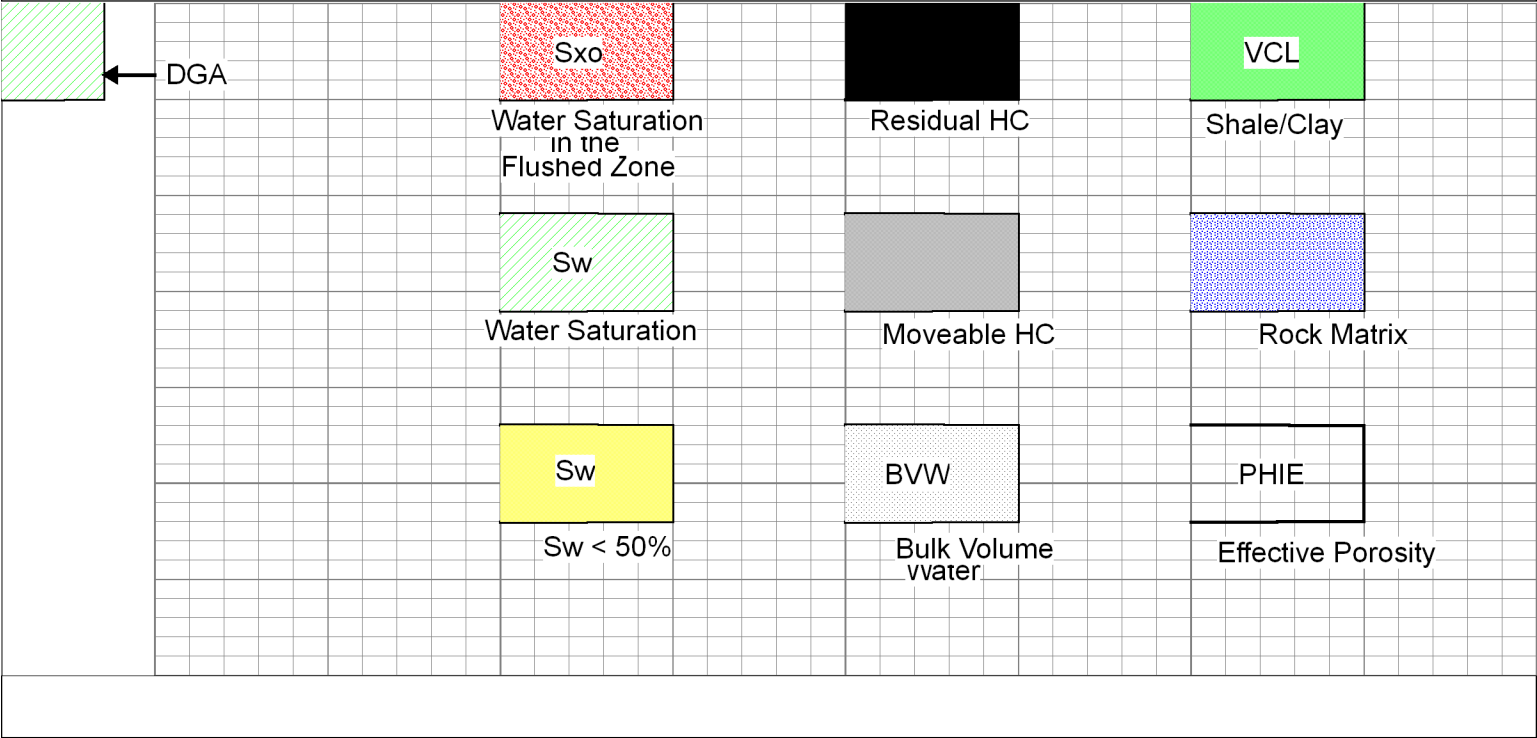
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Comments

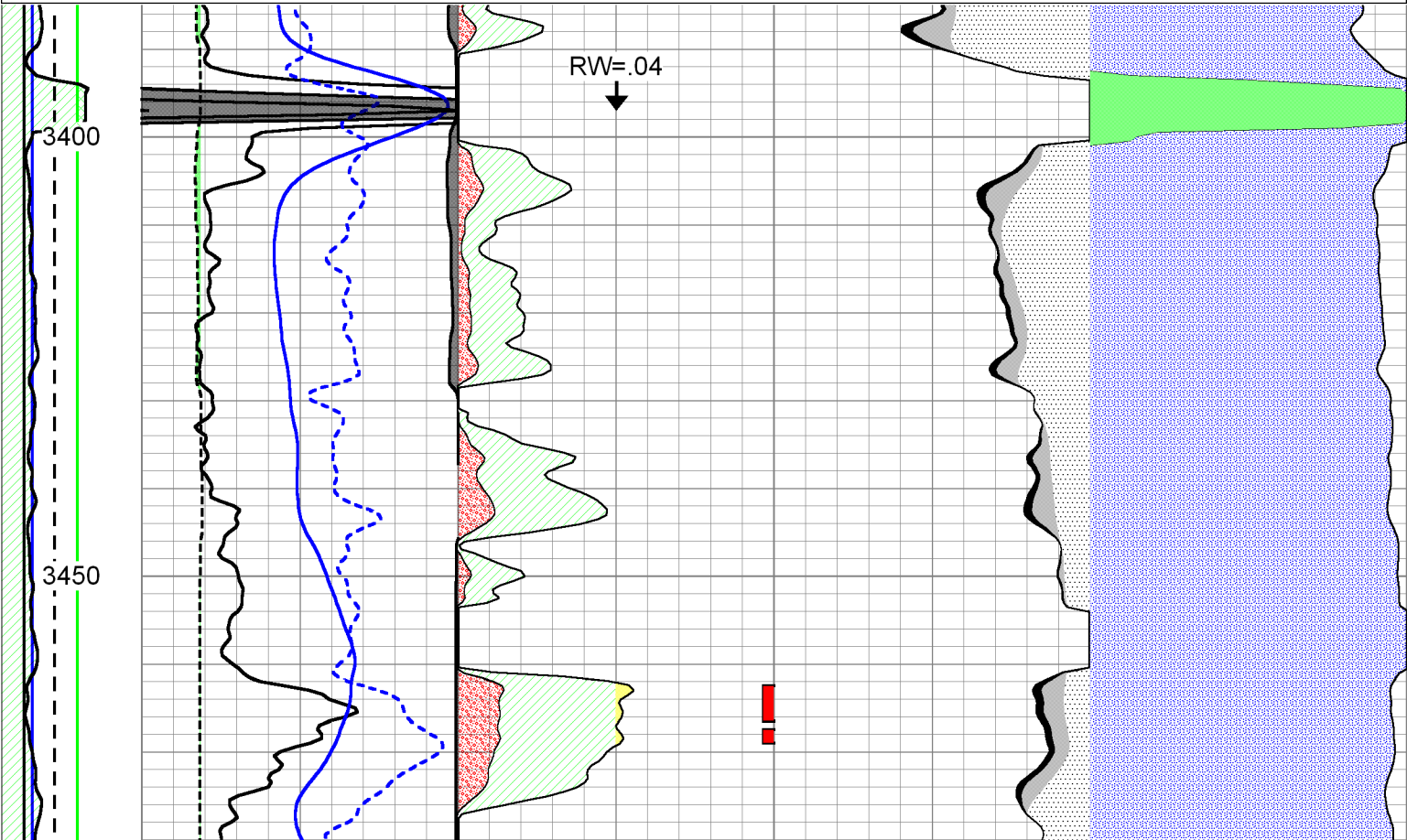
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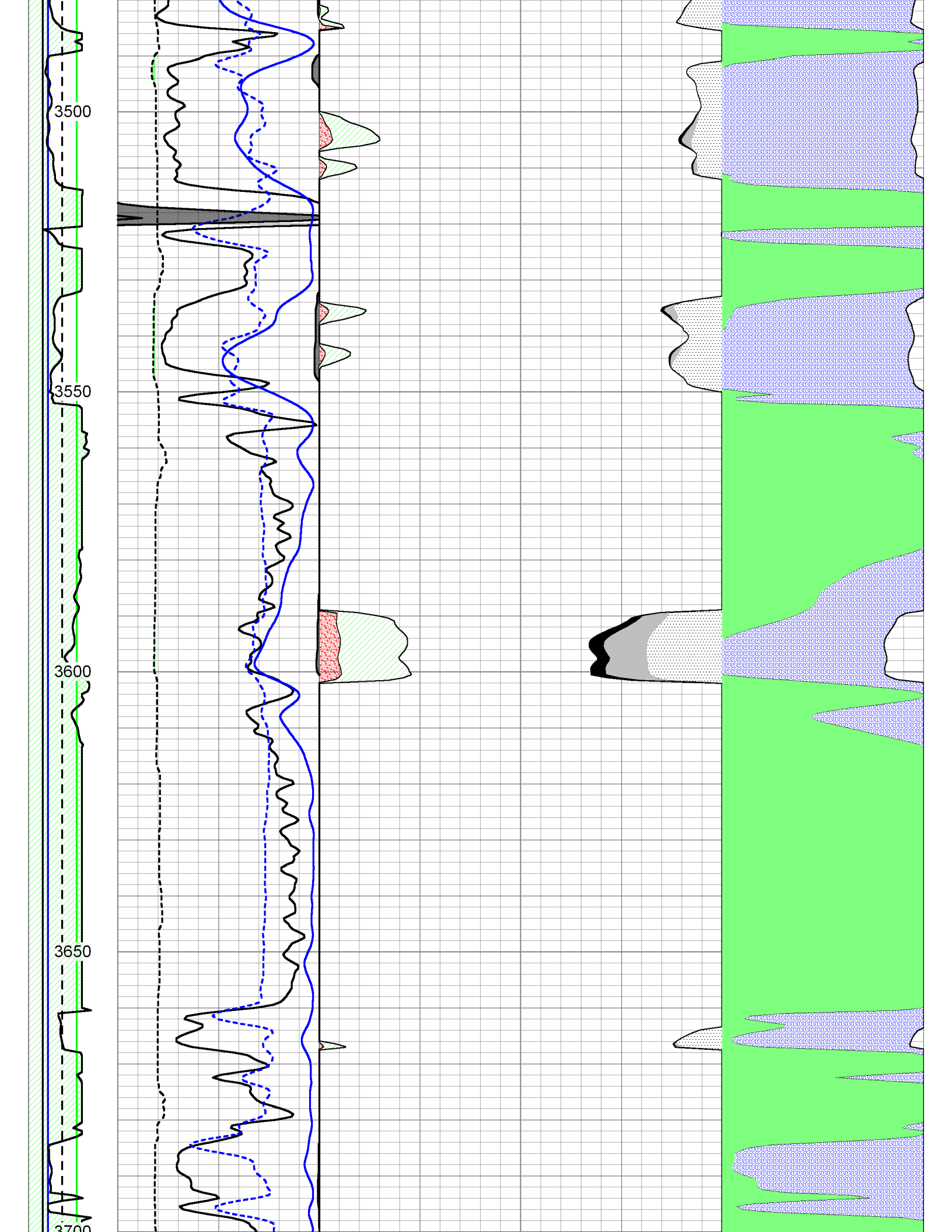
Hwy. 281 & Hwy. 50 Junction, 5 South to 50th Rd., 9.5 West, North Into.

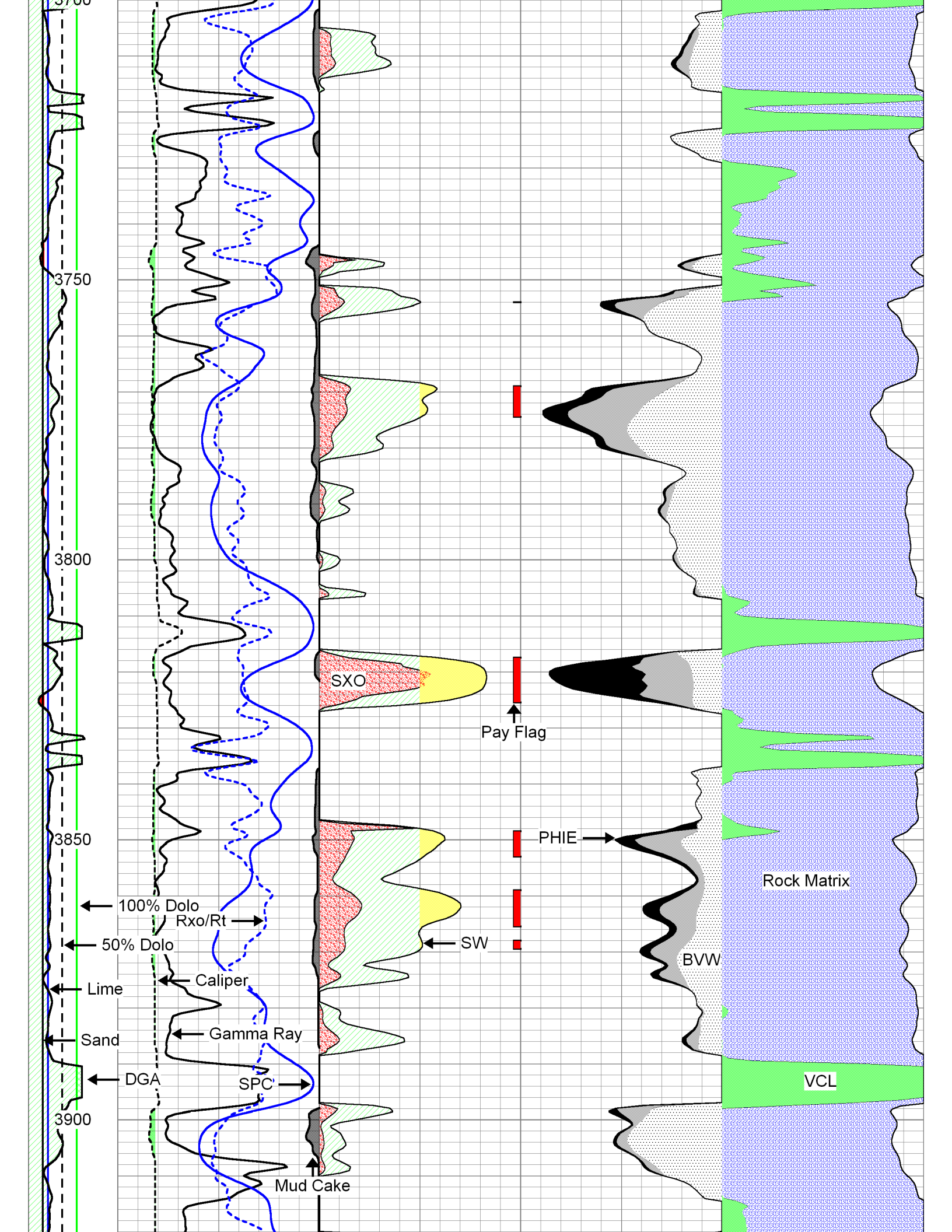
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Dataset Pathname: litho
Presentation Format: 2wxplt
Dataset Creation: Thu Apr 24 14:32:02 1997
Charted by: Depth in Feet scaled 1:240

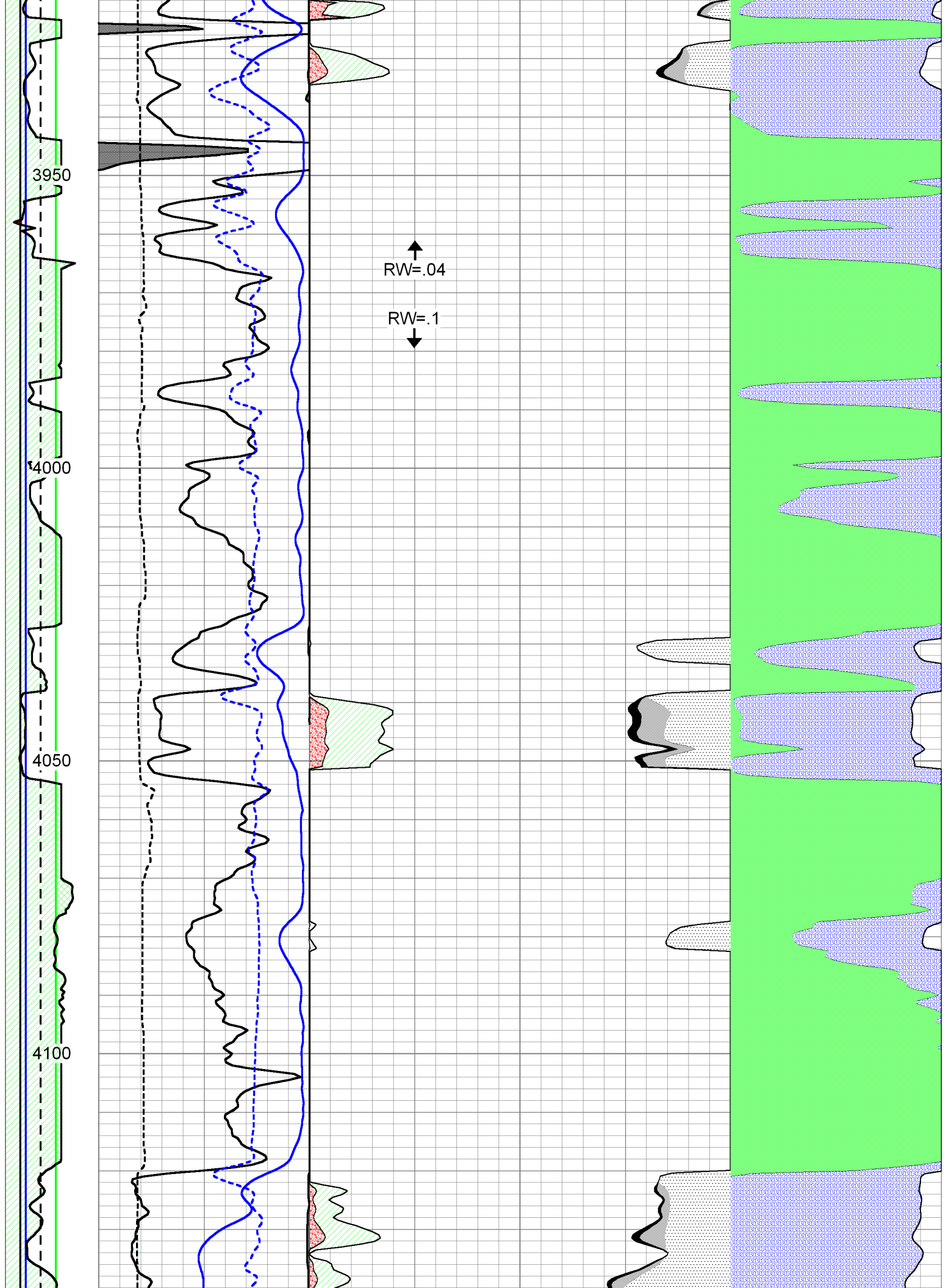


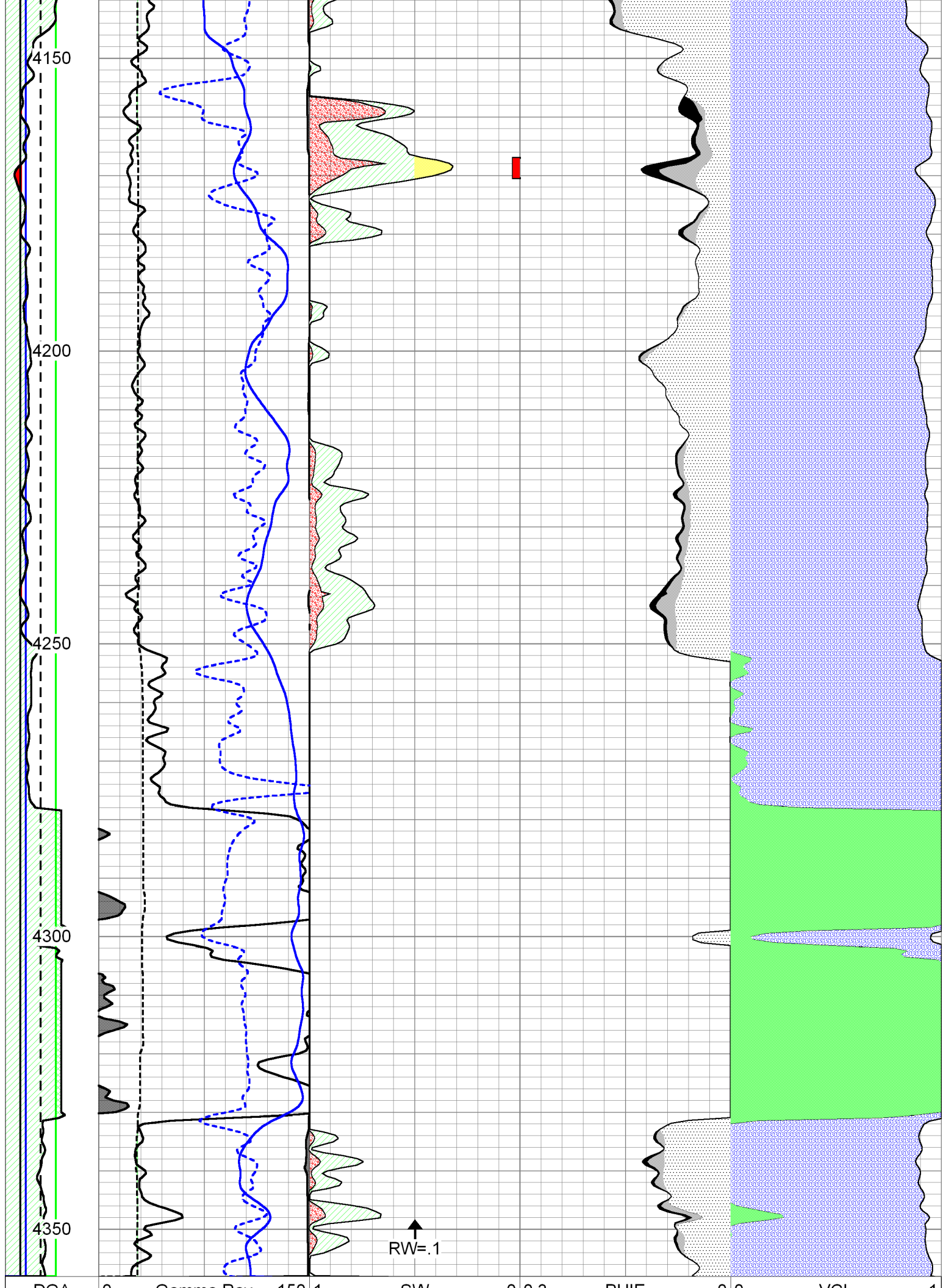
Database File:		knighton_oil_kachelman_4hd.db											
Dataset Pathname:		DIL/knighcpi											
Presentation Format:		calc											
Dataset Creation:		Sun Sep 14 18:42:48 2014											
Charted by:		Depth in Feet scaled 1:240											
DGA	0	Gamma Ray	150	1	SW	0	0.3	PHIE	0	0	VCL	1	
2.6	3.1	6	DCAL (GAPI)	16	30	PAYFLAG	0	0.3	BVW	0	1	PHIE	0
		-150	SPC (mV)	0	1	SXO	0	0.3	BVWSXO	0			











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