



PIONEER
Pioneer Energy Services

**Computer Processed
Interpretation**

Company EVERGLOW ENERGY, LLC		Company EVERGLOW ENERGY, LLC	
Well	HACKNEY #1-15	Well	HACKNEY #1-15
Field	WILDCAT	Field	WILDCAT
County	COMANCHE	County	COMANCHE
State	KANSAS	State	KANSAS
Date Recorded	Location:	API # :	Other Services
		15-033-21782-00-00	
	Permanent Datum	1980' FNL & 660' FWL	DIL/CNL/CDL MEL
	Log Measured From	GROUND LEVEL	Elevation 2105'
Depth Logger	Drilling Measured From	KELLY BUSHING	K.B. 2110'
			D.F. N/A
			G.L. 2105'
	1/28/2018	Curve Definitions	
	5300'		
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. SCHMIDT		
Witnessed By	TOM CASTELLI		
Analysis By	DAN SCHMIDT		

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

COLDWATER,
10 EAST, 1 1/2 SOUTH,
EAST INTO

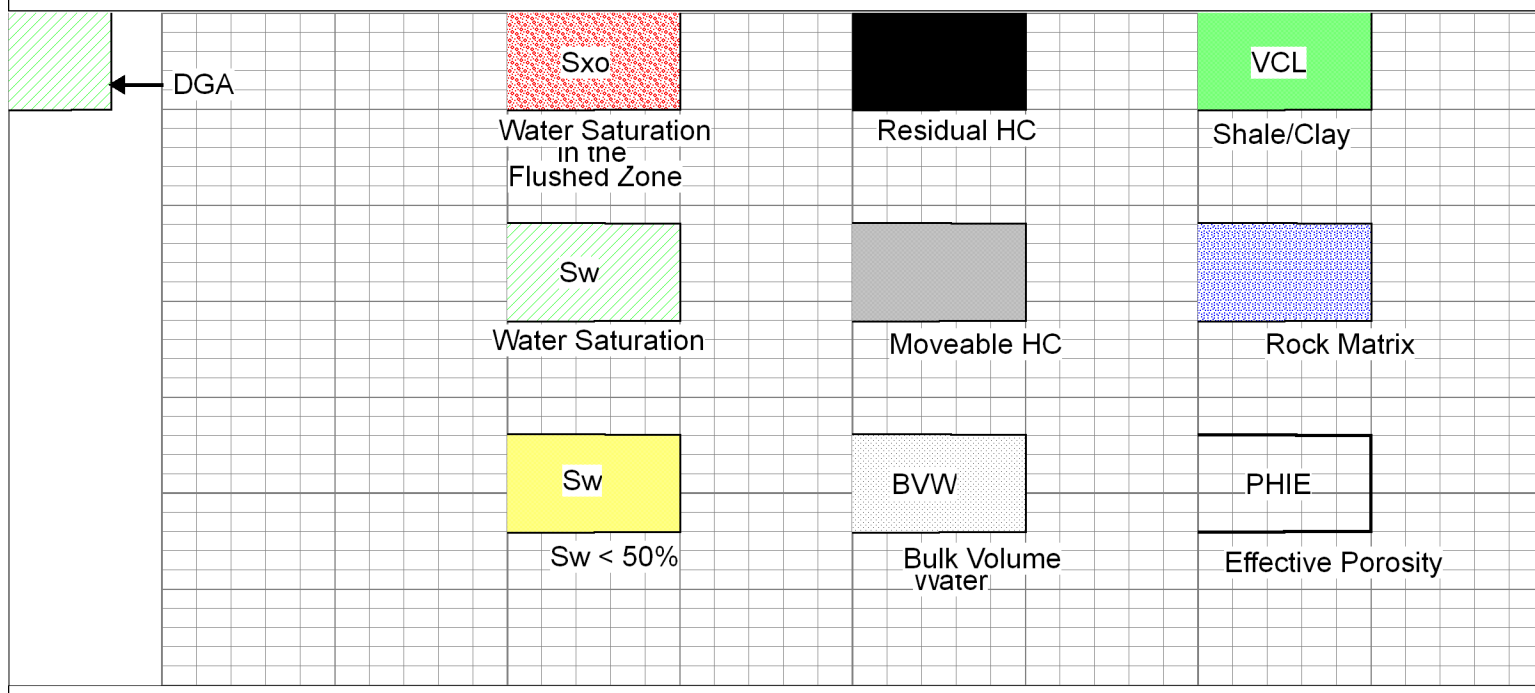
Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES

www.pioneer.es.com 785-625-3858

Your Pioneer Energy Services Crew		This Log Record Was Witnessed By	
Engineer: D. SCHMIDT		Primary Witness: TOM CASTELLI	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

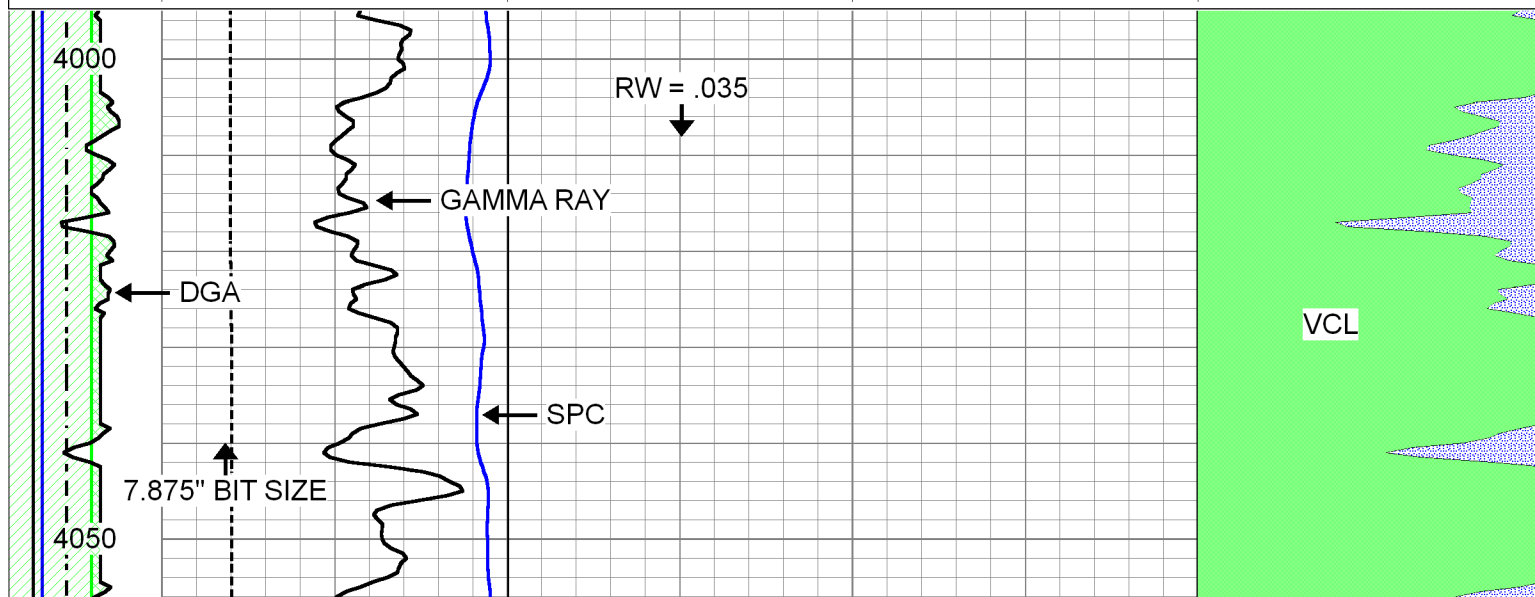
Database File cross plots\2wxplt.db
Dataset Pathname litho
Presentation Format 2wxplt
Dataset Creation Thu Apr 24 13:32:02 1997
Charted by Depth in Feet scaled 1:240

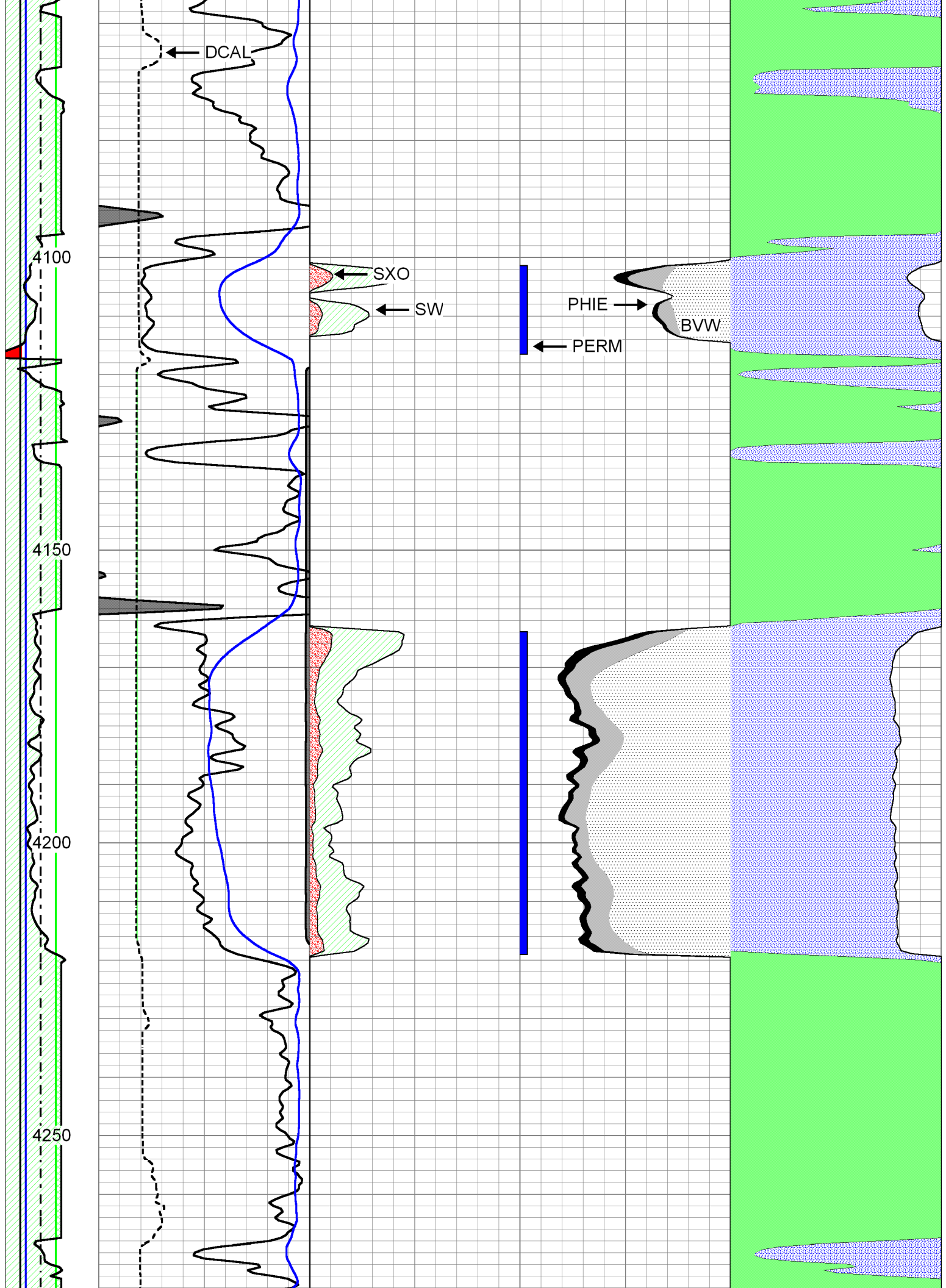


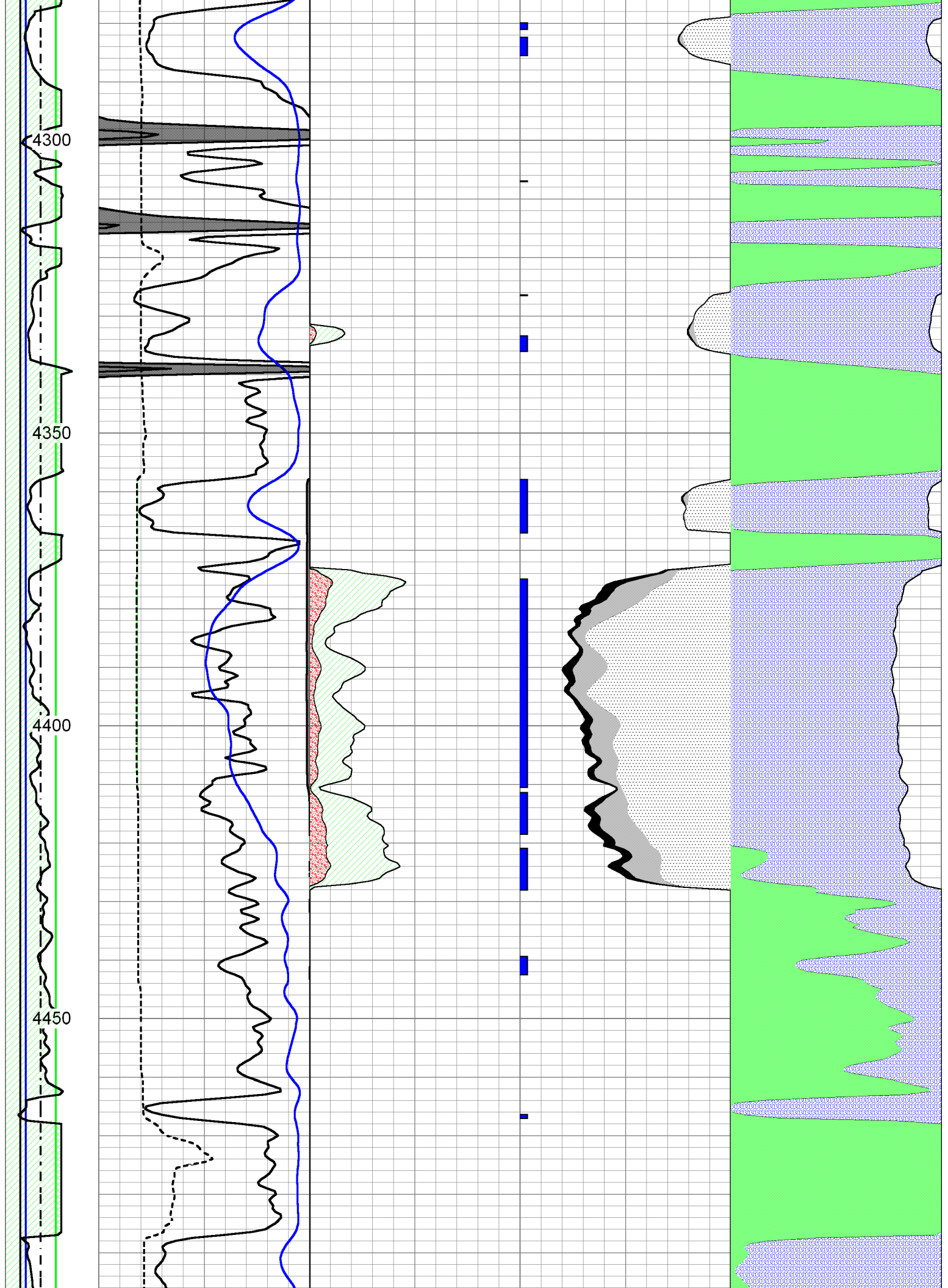
CPI

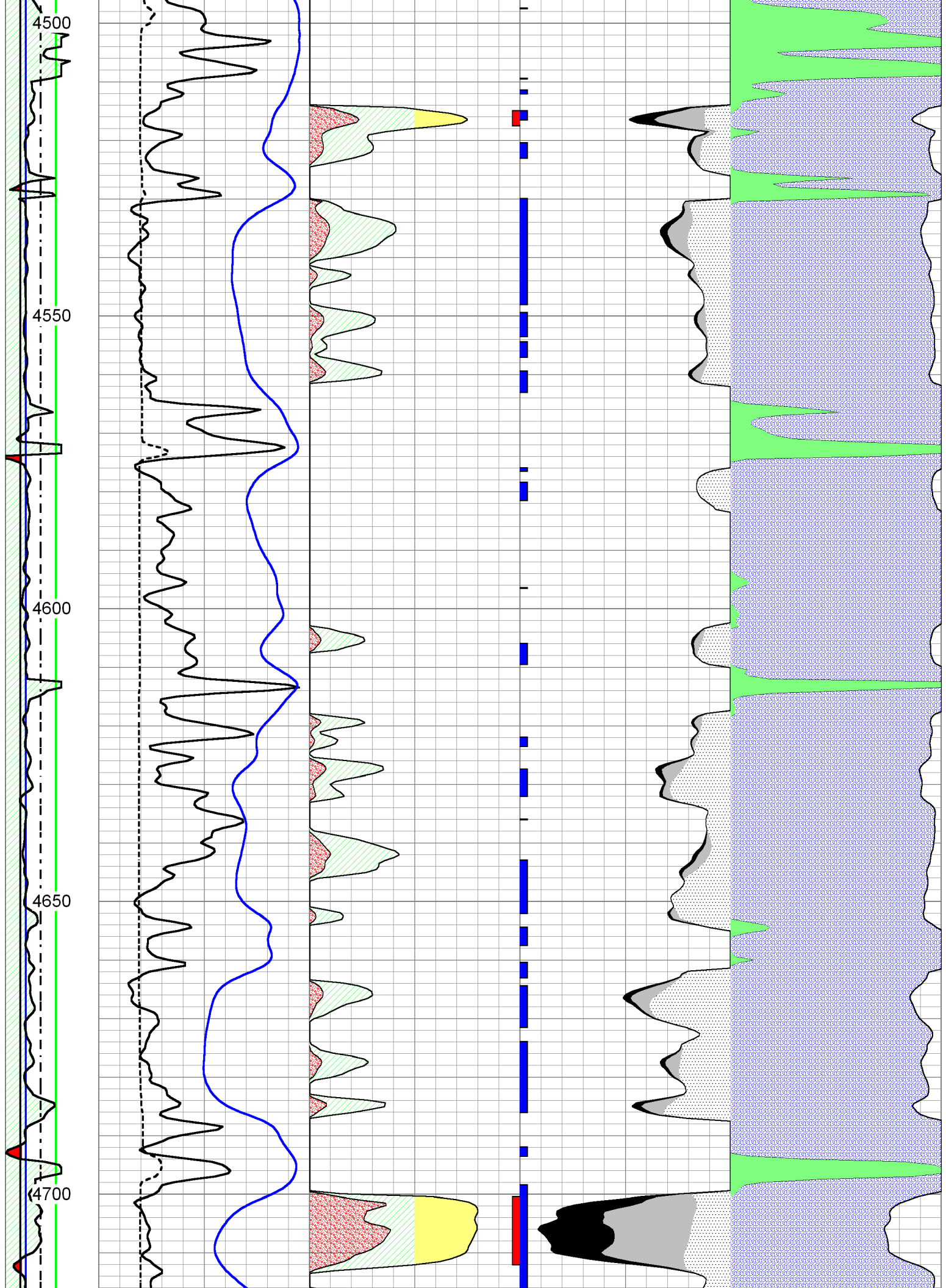
Database File everglow_hackney 1-15hd.db
Dataset Pathname CPI/egcpi
Presentation Format calc
Dataset Creation Thu Feb 08 15:12:10 2018
Charted by Depth in Feet scaled 1:240

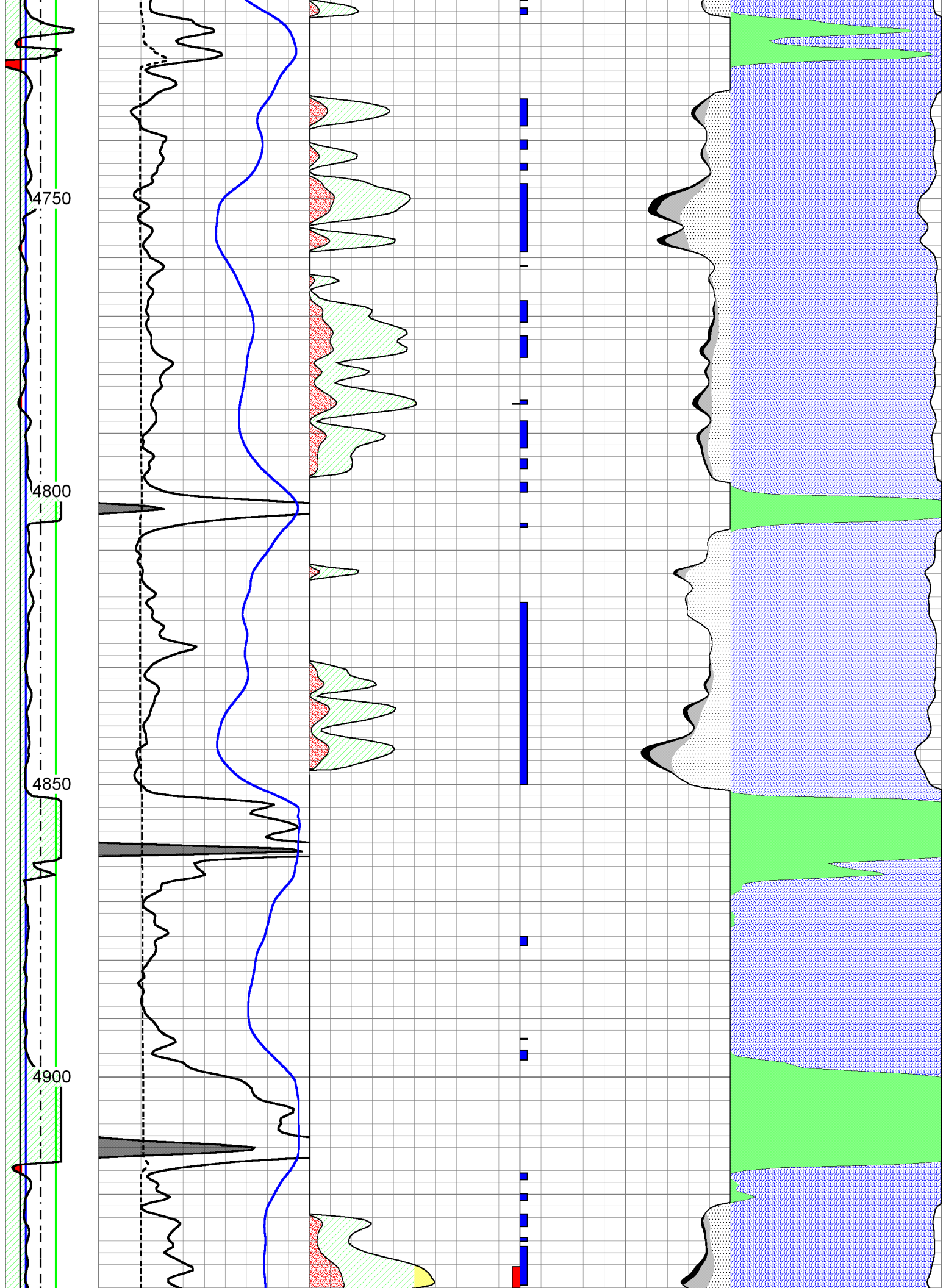
DGA	Gamma Ray	1	SW	0	0.3	PHIE	0	0	VCL	1
(g/cc)	(GAPI)	150	PAYFLAG	0	0.3	BVW	0	1	PHIE	0
2.6 3.1	6 DCAL (in)	16	1 SXO	0	0	PERM	30			
	-150 SPC	0			0.3	BVWSXO	0			

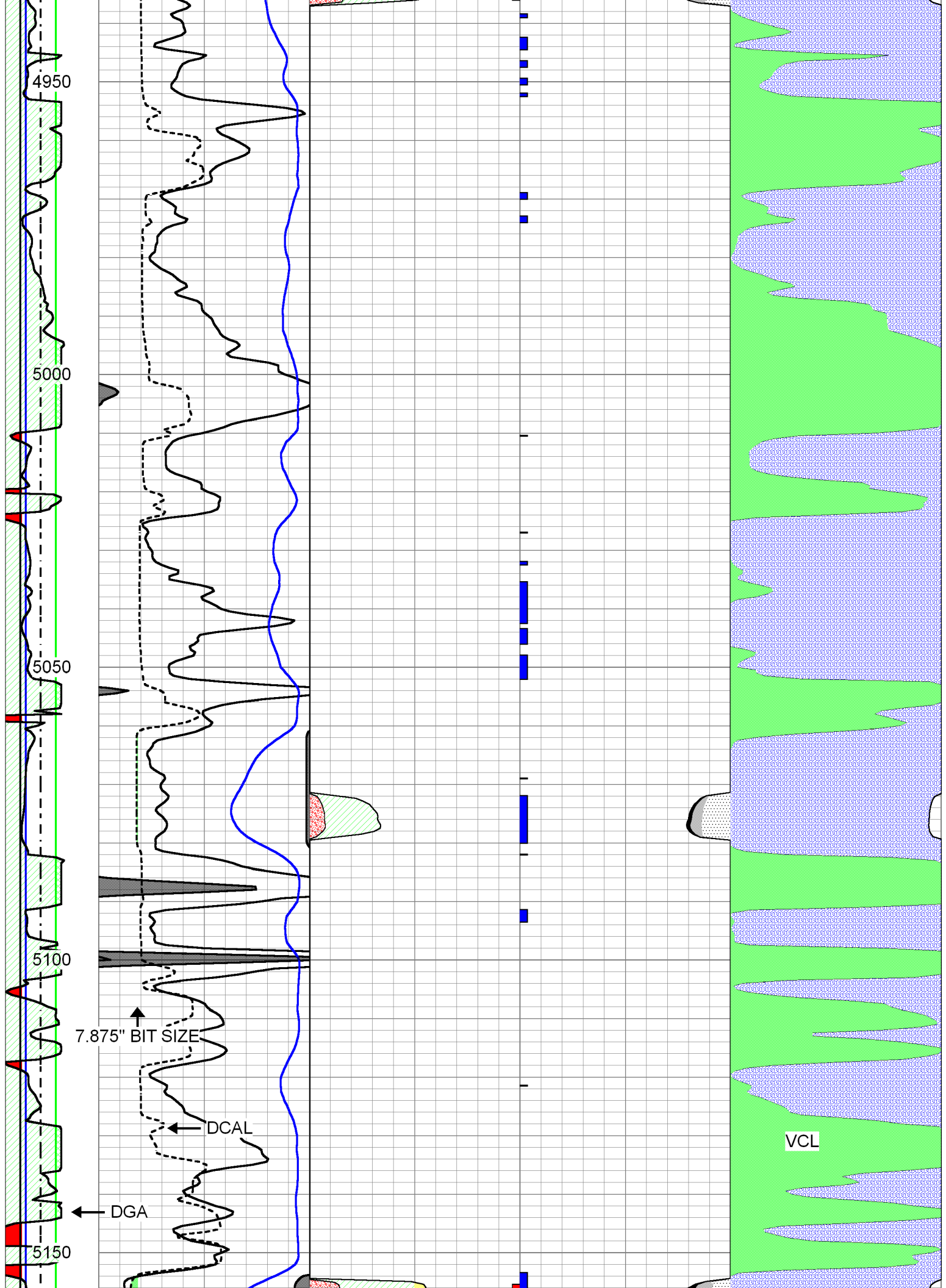


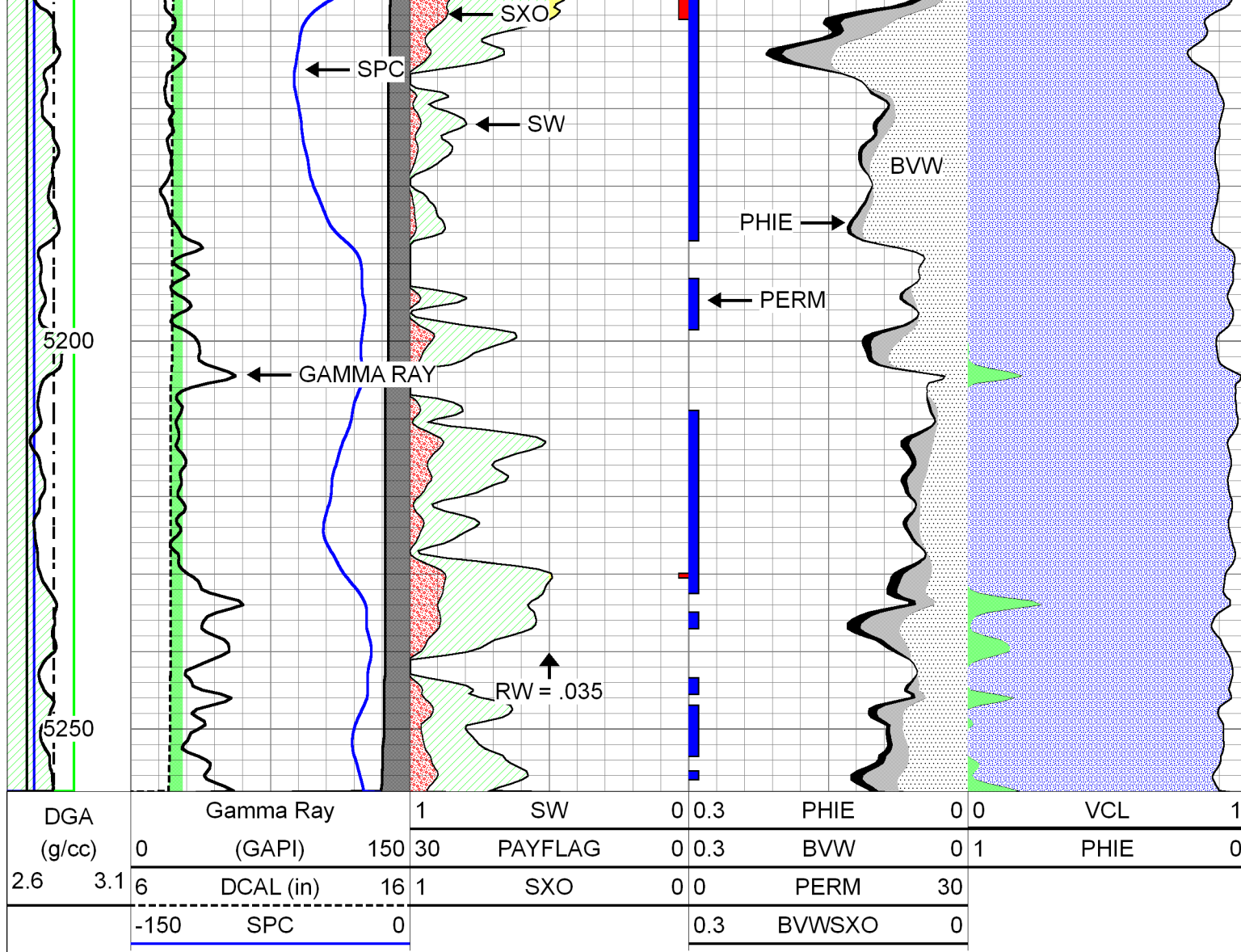














PIONEER
Pioneer Energy Services

Company	EVERGLOW ENERGY, LLC
Well	HACKNEY #1-15
Field	WILDCAT
County	COMANCHE
State	KANSAS