



# ELAN\* Geophysical Log

## Integrated Analysis

### Optimized Mineral + Pore Volume Model

COMPANY: LOS ALAMOS NATIONAL LABORATORY

WELL: R-47

FIELD: LANL Resional Wells

State: NEW MEXICO

COUNTRY:

\*Elemental Log Analysis, Mark of Schlumberger

Date Processed: Nov-2009      Date Logged: 5-Sep-2009

Job Number:      Processed at: SWS Tucson

Well Location:      Longitude:

Latitude:      DF:      GL:

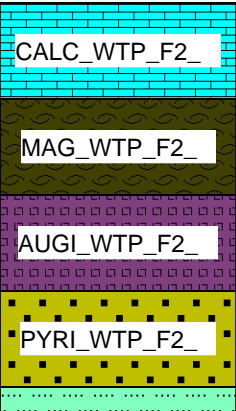
Elevations:      KB:      GL:

Depth ref. is ground surface. Results are affected by cased hole conditions.

FOLD HERE      The well name, location and borehole reference data were furnished by the customer.

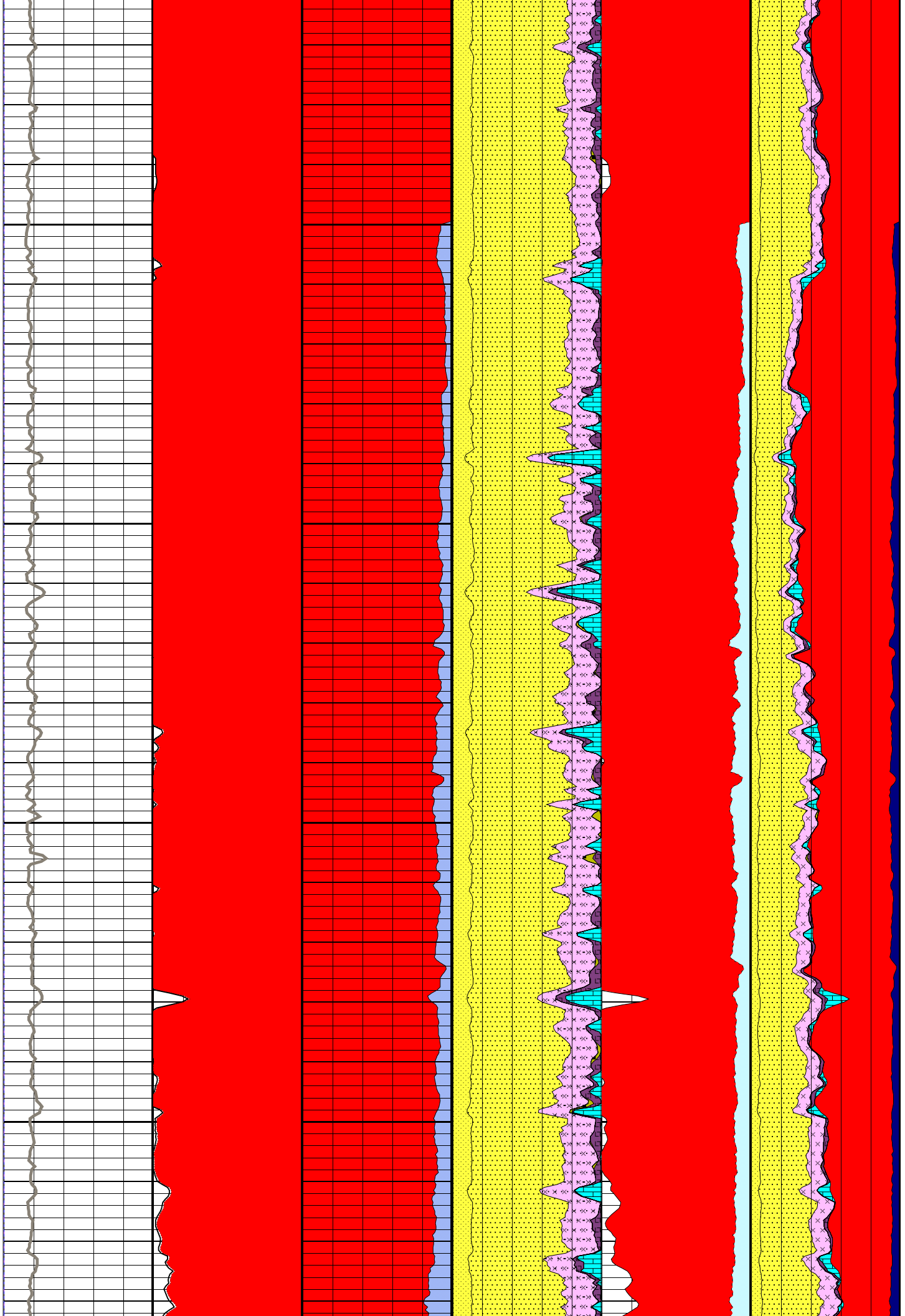
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

R-47 [Fun\_2]

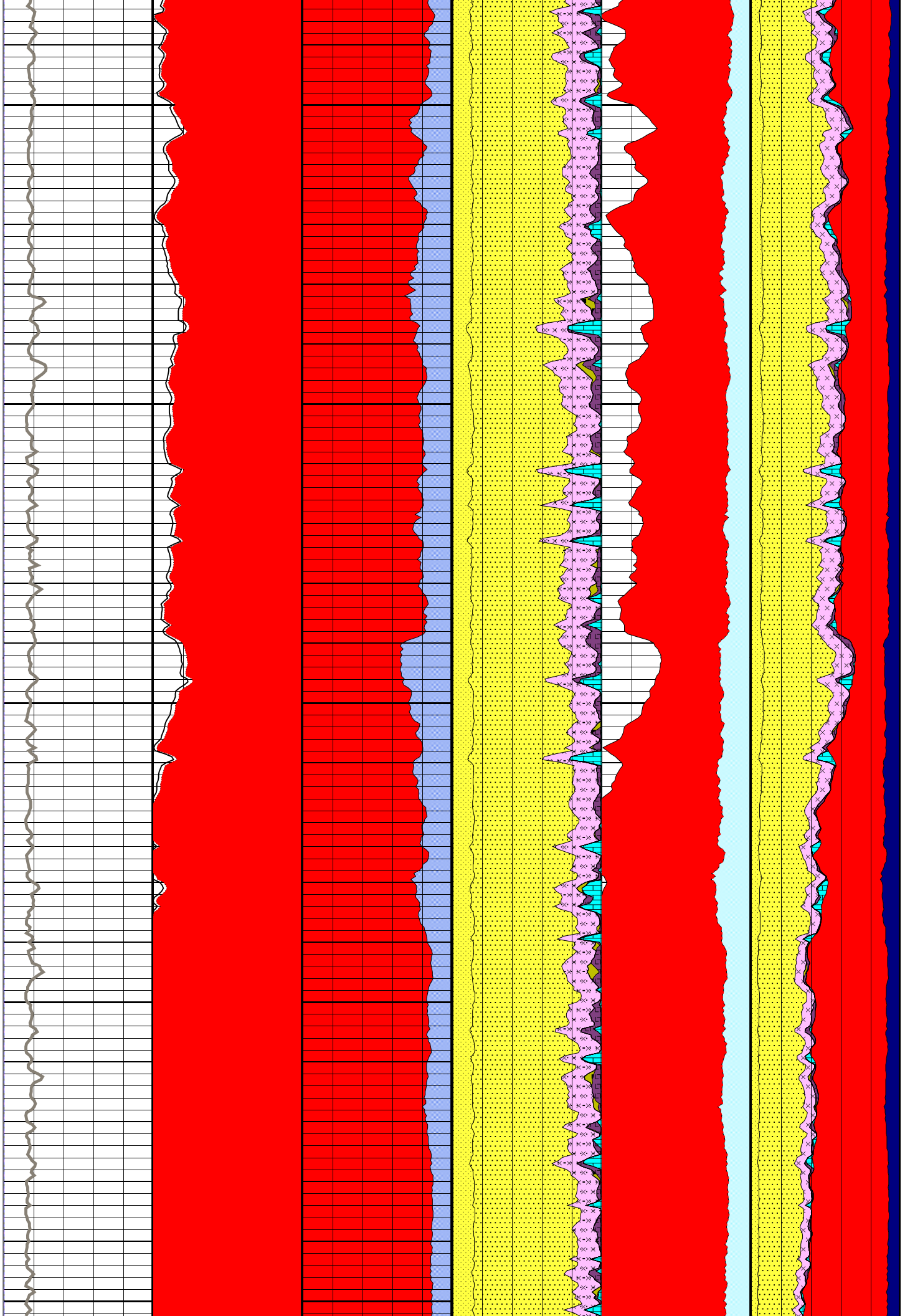


[illegible]

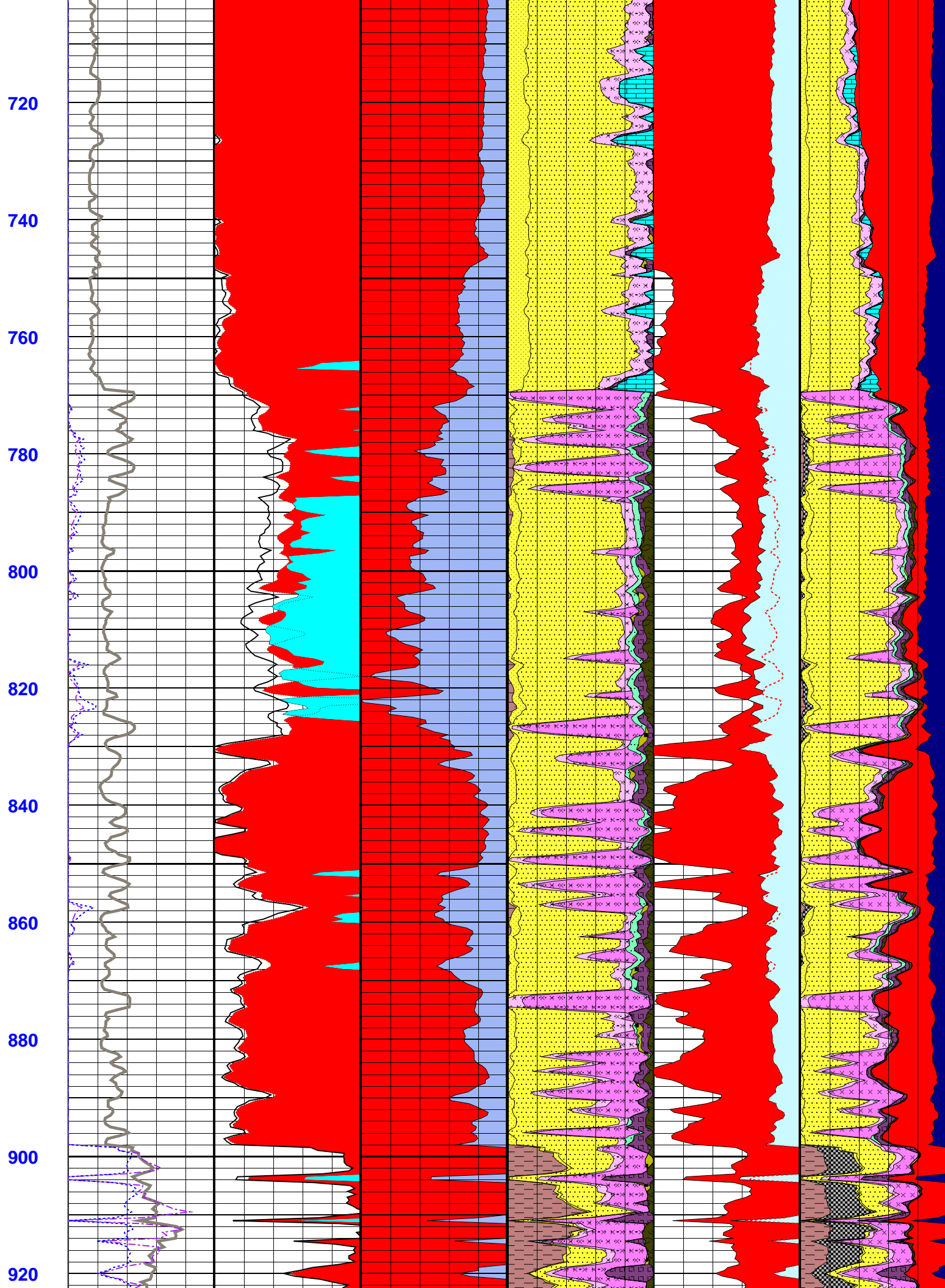
280  
300  
320  
340  
360  
380  
400  
420  
440  
460  
480

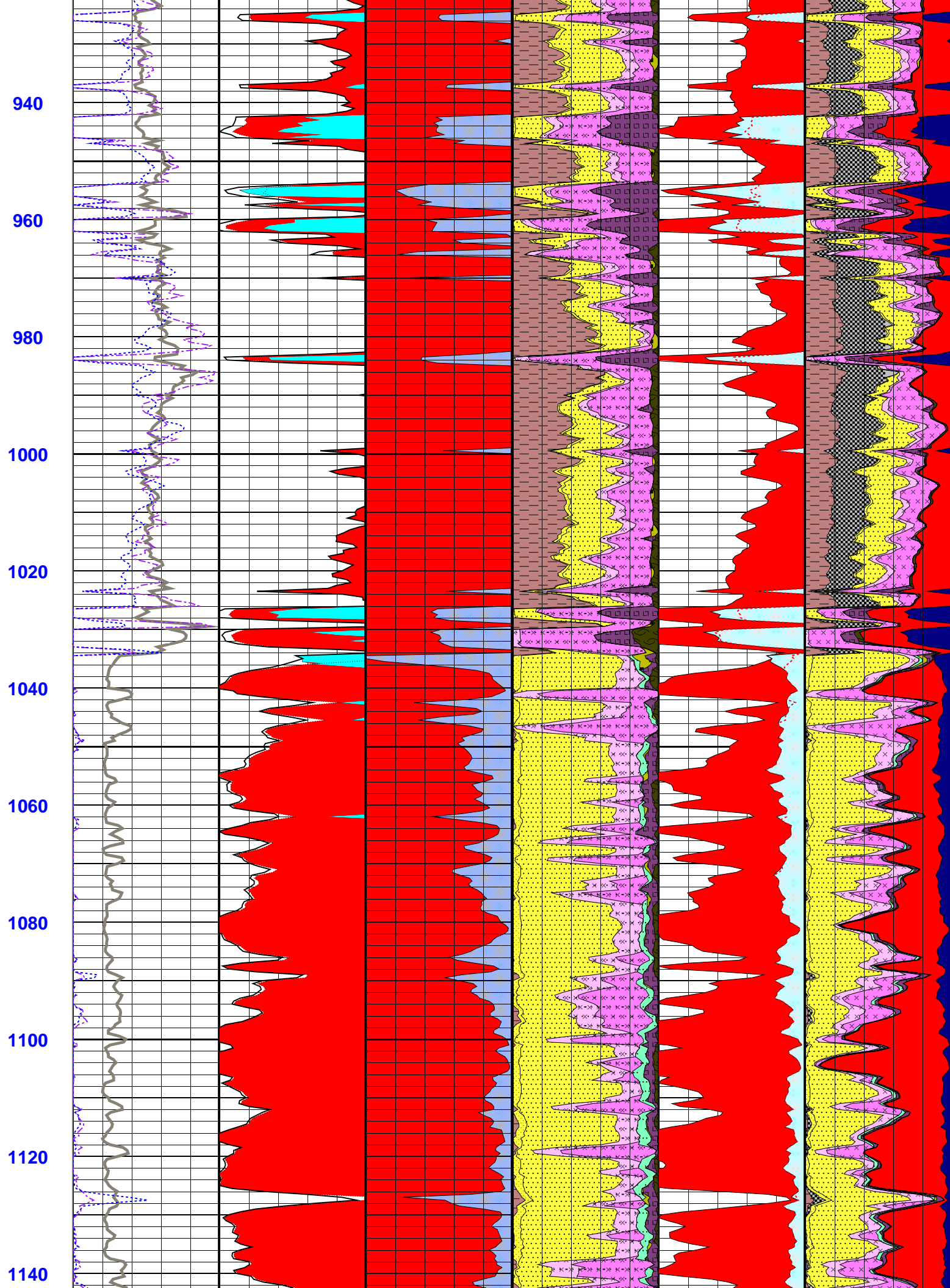


500  
520  
540  
560  
580  
600  
620  
640  
660  
680  
700

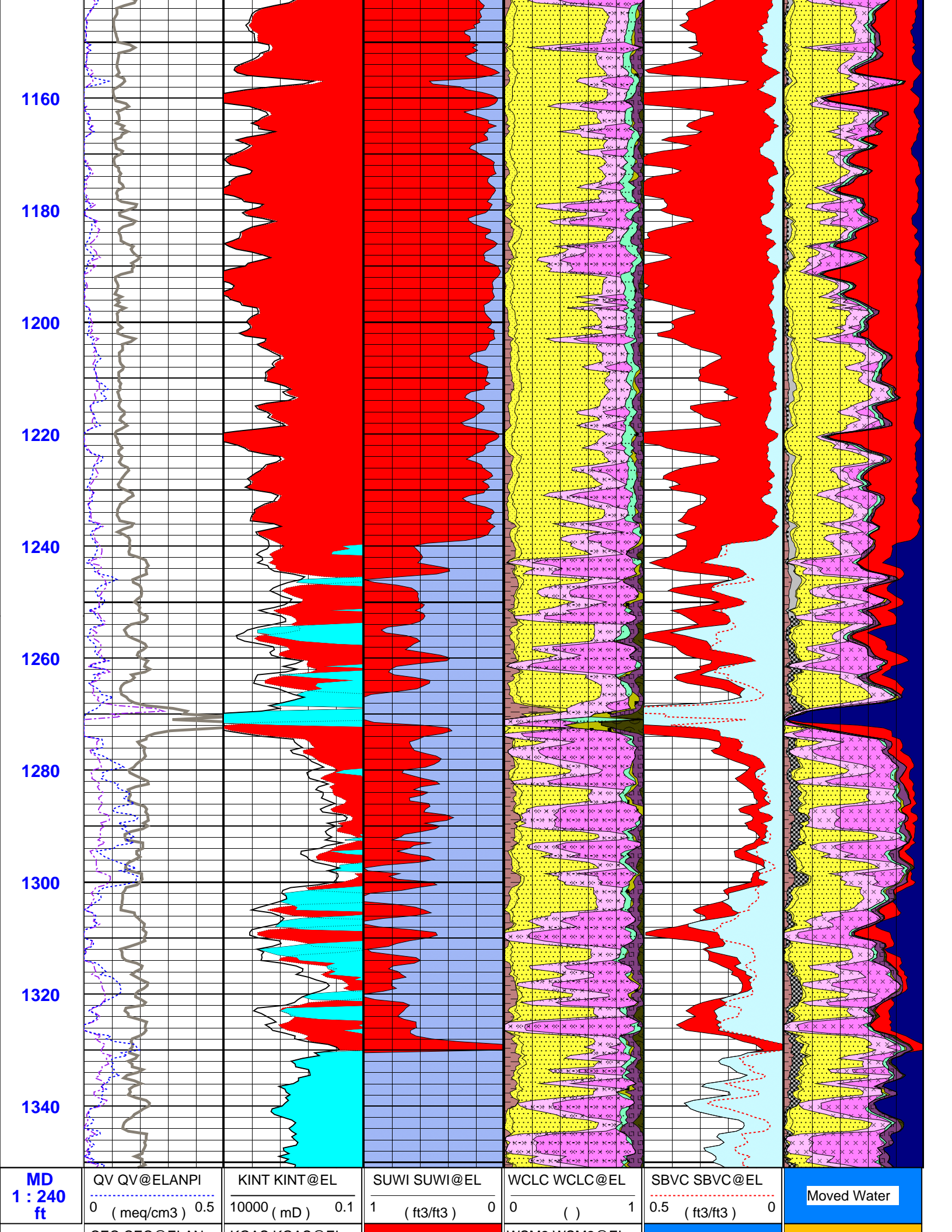












CEC CEC@ELAN 0 ( meq/g ) 0.1	KGAS KGAS@EL 10000 ( mD ) 0.1	Air Fraction	WSM2 WSM2@EL 0 ( ) 1	Moved Water	Moved Hydrocarbon
RHGA RHGA@EL 2.25 ( g/cm3 ) 3.25	Gas	Water Fracti	WSM1 WSM1@EL 0 ( ) 1	Moved Air	Water
	Water		WPYR WPYR@EL 0 ( ) 1	Water	Air
	KWTR KWTR@EL 10000 ( mD ) 0.1		WBIO WBIO@EL 0 ( ) 1	Air	Calcite
			WFEL WFEL@EL 0 ( ) 1	Fluid Anal. 0.5 ( V/V ) 0	Magnetite
			WORT WORT@EL 0 ( ) 1		Augite
			WSAN WSAN@EL 0 ( ) 1		Pyrite
			WQUA WQUA@EL 0 ( ) 1		Biotite
			WMON WMON@EL 0 ( lbf/lbf ) 1		Labradorite
			MONT_WTP_F2_		Orthoclase
			QUAR_WTP_F2_		Silica Glass/Cris./Trid.
			GLASS_WTP_F2		Quartz
			ORTH_WTP_F2_		Clay Bound Water
			FELD_WTP_F2_		Montmorillonite
			BIOT_WTP_F2_		Volum. Anal. 1 ( V/V ) 0
			PYRI_WTP_F2_		
			AUGI_WTP_F2_		
			MAG_WTP_F2_		
			CALC_WTP_F2_		