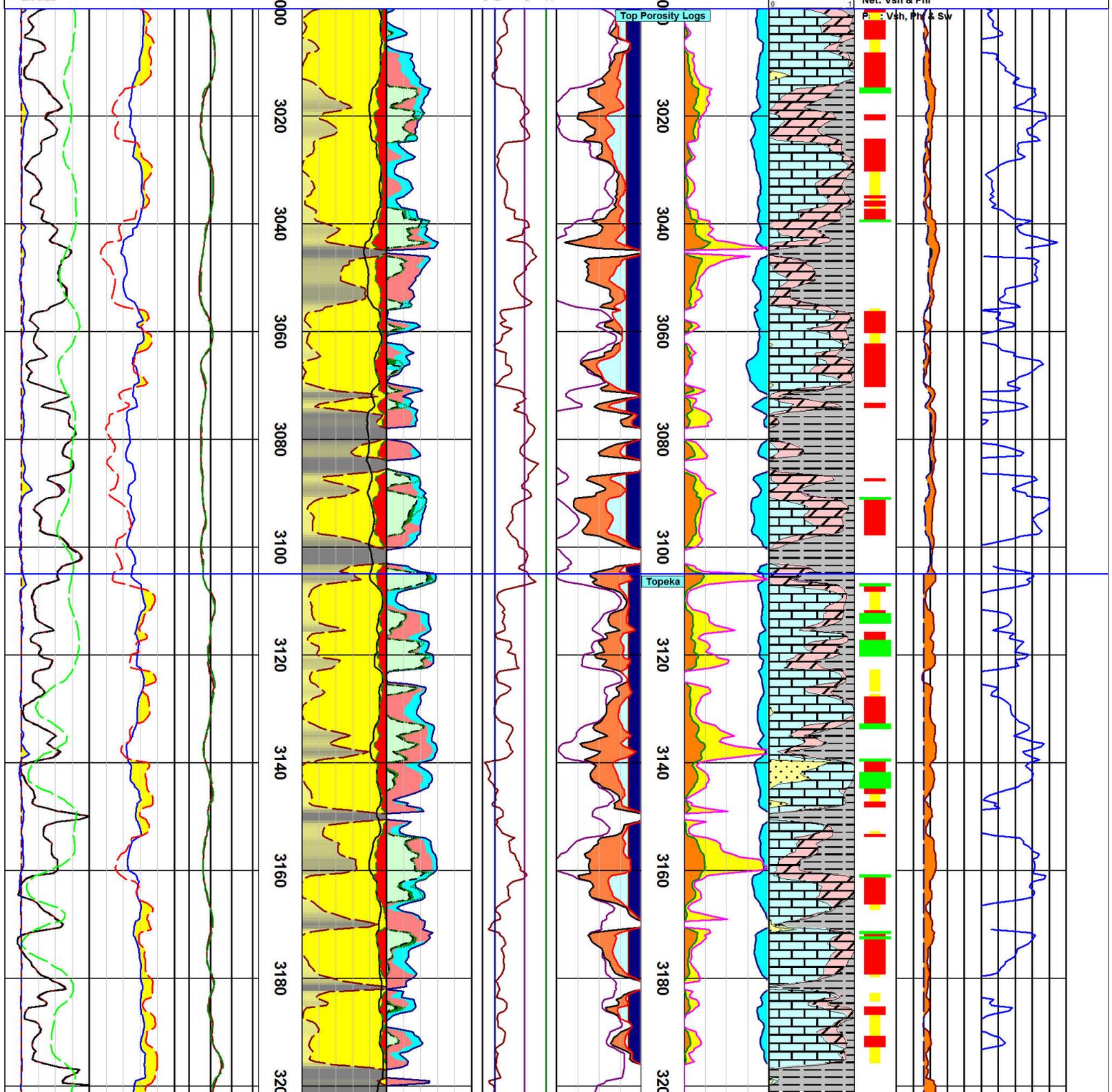


File: **Carpenter 1.lbs**
 Plot: **L-Full Composite Log-Patriot - With Lith**
 Gross Interval: **250** to **3620** by **0.5** **F**
 Ranges: **Zones: Top Porosity Logs, Topeka, Heeb Shale, Toronto, Lansing, BKc, Arbuckle**
3000-3105, 3105-3305, 3305-3327, 3327-3340, 3340-3550, 3550-3580, 3580-3620
 Time: **02:29 PM** Date: **Mon, Feb 27, 2012**
 Section: **SECTION** Township: **TOWNSHIP** API #: **1516323995000**
 Location: **LOCATION** Range: **RANGE** UWI: **Unknown**
 Comments: **N/A**

Well Name: **CARPENTER 1**
 Plot Name: **L-Full Composite Log-Patriot - With Lithology**

GR/SP/Caliper DF_GR	Raw Data Porosity Logs DF_RHOB_DS	Resistivity DF_DEEP	1:240 MD in ft	Res. Comp. Volume Shale	Saturations Sw (Dual Water)	Matrix Prop. Density	Bulk Volumes Total Porosity	1:240 MD in ft	Fluid Volumes DF_BVHC_EFFECTIVE	Lithology	Pay NS Pay	Fluid Res. RWA	Permeability Log	Oil Shows
0 GAPI 150 0 GRC	2 G/CC 0.4 NPH_L 0.4 V/V -0.05	3 0.2 OHMM 2000 DF_MEDIUM 0.2 OHMM 2000 DF_SHALLOW 0.2 OHMM 2000		0 V/V Total Porosity 1 V/V Effective Porosity 1 V/V	1 V/V So, Flushed Zone 0 V/V So, Unflushed Zone 0 V/V	2.6 G/C3 3	0.2 V/V Effective Porosity 0.2 V/V Hydrocarbons Free Water or Poor Q CP Bound Water		0 DF_BVHC_EFFECTIVE 0.4 DF_BVSW_EFFECTIVE 0.4 v/v 0 HYDROCARBONS TO 0 v/v 4 Hydrocarbons Water Ratio H/C to W	Quartz Calcite Dolo-Lime Dolomite Anhy-Dolo Anhydrite Gas Shale	0.001 OHMM DF_RW_MIXTURE 0.001 ohmm Hydrocarbons Rwa < Rw	0.001 MD 100		

S = Sandstone
L = Limestone
D = Dolomite
A = Anhydrite



Handwritten notes in blue ink, possibly representing a geological profile or well log, located at the top of the page.

