

[illegible]

This SYNERGETIC LOG presentation was produced using the POROSITY OVERLAY METHOD of interpretation.

PURPOSE		LITHOGRAPH IDENTIFICATION SUMMARY	
The jewelry overlay is designed to identify lithography in a machine printed or more than one raised. This information makes possible a more accurate jewelry identification.		Additional requirements	
METHOD		Lineform	$\Delta_{\text{line}} = \Delta_{\text{line}}$
		Outline	$\Delta_{\text{outline}} = \Delta_{\text{outline}} - 12$
		Send	$\Delta_{\text{send}} = \Delta_{\text{send}} + 6$
The SPM log is recorded against a Sensitive matrix, with a duplicate core recorded beneath jewelry unit to the right. The duplicate core is referred to as the "Outline Unit". Both density from the FDC log is converted to Sensitive position and is superimposed on the SPM log.		B-to-Fore	$\Delta_{\text{B-to-Fore}} = \Delta_{\text{B-to-Fore}}$
REMARKS		Sensitivity	$\Delta_{\text{sensitivity}} = \Delta_{\text{sensitivity}} + 29.5$
		Force	$\Delta_{\text{force}} = \Delta_{\text{force}} + 42.6$
		Temperature	$\Delta_{\text{temp}} = \Delta_{\text{temp}} + 27$

1) **Lineation - Dolomite**
 a) Lineation: $Q_{DL} = Q_{DL} - 12$. SFlame readings are converted to porosity using the dolomite scale.
 b) Dolomite: $Q_{DL} = Q_{DL} - 12$. SFlame readings are converted to porosity using the dolomite scale.
 c) Lineation - Dolomite matrix: $Q_{DL} > Q_{DL} - 12$. Porosity of dolomite is interpolated from the relative displacement of Q_{DL} from the Q_{DL} line toward the dolomite limit line. Porosity is calculated by plotting the Q_{DL} and the percent dolomite on the dolomite scale.

2) **Other minerals**
 a) When minerals other than lineation and dolomite are present,

