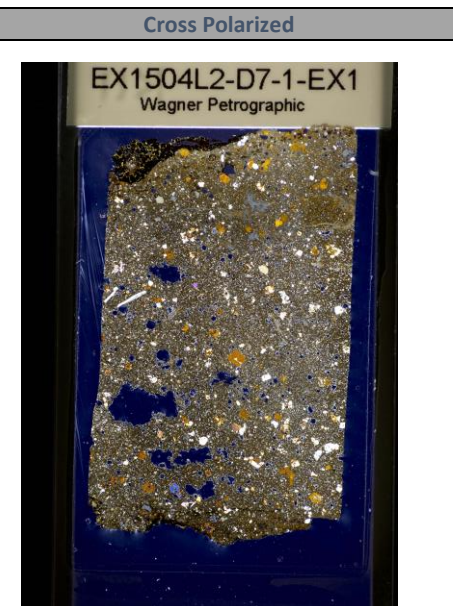


General Information			
Sample Name (IGSN)	EX1504L2-D7-1		
Describer	Kevin Konrad		
Sample Location	Pioneer Bank Ridge		
Lithology prefix	olivine		
General Lithology	Basalt		
Texture 1	Heavily altered		
Texture 2	vesicular		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	20	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	80	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A fine grained basalt with a preserved glassy rind with a thick Mn crust. Iddingsite and plagioclase phenocrysts are present. Some vesicles completely infilled.		
Thin Section Summary	An olivine-basalt with two plagioclase laths (5mm long). The groundmass is vesicular and almost 100% replaced by alteration. Olivine is partly to completely recrystallized.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	10	1					30	59
Present (%) [Pr]	5	1					28	0
Replaced / Filled (%) [Rf]	5	0					2	59
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.15	0.75					0.001	
Maximum Size (mm)	0.3	1					2	
Modal Size (mm)	0.25						0.5	
Shape	Sub-euhedral	subhedral					Variable	
Habit		lath						
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	Partly recrystallized with iddingsite.	Only two grains in the thin section.					All vesicles are coated with some alteration. Range from blobular to circular in shape	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	2	5						93
Present (%) [Pr]	2	5						5
Replaced / Filled (%) [Rf]	0	0						88
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.002	0.004						
Maximum Size (mm)	0.003	0.008						
Modal Size (mm)	0.002	0.006						
Shape	subhedral	subhedral						
Habit								
Comments								Mostly alteration.