

for: Unocal Geothermal Division, Unocal Corporation -- Daniel Carrier

MINERALOGY, APPROX. WT.% (or) RELATIVE ABUNDANCE

16 Cuttings Samples
Bulk XRD

SAMPLE NO.	QUARTZ		FLASIOCL.	K-FELDSP.	CALCITE	CLINOPIROX.	ACTINOLITE	HORNBLITE	EPIDOTE	PREHNITE	ANHYDRITE	ILMENITE	MAGNETITE	HEMATITE	PYRITE	SPHENE/LEUCOSINE	WARRAKITE	SMECITE	MIXER-LAYER CLOR-SMECT.	TALC	ILLITE AND PHENGLITE	BIOTITE	CHLORITE	TALC	OTHER
	6-1	14	51		TR	3	2	3	1	-	TR	2	TR	2	TR		1		2	16	3	TR			
6-2	40	30	22		-	-	-	TR	-	-	TR			TR				4	TR	2					
6-3	15	21	16		TR	2	-	1	-	TR	TR	TR	TR	1	TR			11	TR	3					ACT. REFL. ORIGINAL MARKS.
6-4	4	50	3	2	7	3	-	6	-	-	5	TR	TR	8	TR			1	-	11					//
6-5	11	45	11	-	3*	2	-	7			1	TR	TR	8	-			-	-	12					
6-6	11	42	9	TR	1*	3	-	7*	1		1	-	1	9				2		-	13				
6-7	19	38	10	TR	1*	2		5*	2		1	-	1	8				-		TR	13				
6-8	32	40	17	-	-	1		1			1	TR	TR	TR		1	TR	1	5	1					
8-1	16	33	9	2	10	1		3			2	5		8		TR	TR	5		6					
8-2	11	34	7	TR	13	2		4			2	5	TR	7	1	TR	TR	2		10					
8-3	17	35	11	1	10	TR		2			1	4	TR	6	TR	TR	TR	3		10					
8-4	13	45	8	1	5	TR		5			1	3	1	8	TR	TR	TR	3		10		8			
8-5	20	30	5	1	5	TR		4			TR	4	2	8	5	TR	TR	6		10					
8-6	16	35	5	3	5*	(1) or (1)	TR				2	4	TR	9	-	TR	TR	3		7*		10			
8-7	7	43	-	2	13	TR		-			3	3		8		TR	TR	4*		3		14			
8-8	45	29	19	-	-	-		-			TR	TR		2		1		2		2					

MORE THAN APP.
* APP. ONLY THIN SEC. MUST BE C.V. F.G.R.

‡ incl. chl-smect
* probably due to calcite

MM = PREDOMINANT M = MAJOR m = MINOR Tr = TRACE ? = TENTATIVE IDENTIFICATION



SUMMARY OF X-RAY DIFFRACTION ANALYSIS
UNIVERSITY OF UTAH RESEARCH INSTITUTE, EARTH SCIENCE LABORATORY