Plate 39

Coeur d'Alene District Revett Study

Drill Core Log

Date Drilled: Started 7-18-84
Date Drilled: Completed 8-24-84

Hole Name/No. ROYAL APEX D.D.H. #R.A.-57
Purpose of Hole: to examine stratigraphy of part of the lower and middle Revett Formation.
Logged by J. Mauk

Property Royal Apex
Coord-collar N 12075.6
E 13,464
Elev-collar 4,218'

Location Map No. R.A. 1
Bearing at collar N 00 E
Inclination at collar -50°
Length 1099'
Core size NQ

DEPTH / THICKNESS	ROCK TYPE	DIAGENETIC / METAMORPHIC MODIFICATIONS	COLORS	BEDDING PLANE PROPERTIES: TYPE	BEDDING PLANE PROPERTIES: ATTITUDE Strk./Dip or ∠ to Core Axis	BEDDING PLANE PROPERTIES: STRUCTURE	CURRENT DIRECTION	LAYER PROPERTIES: PLANAR	LAYER PROPERTIES: CURVI-PLANAR	LAYER PROPERTIES: NONPLANAR	LITHOLOGY: CHERT	LITHOLOGY: CLAYEY PELITE	LITHOLOGY: SILTY PELITE	LITHOLOGY: SANDY PELITE	LITHOLOGY: VERY SANDY SILT	LITHOLOGY: FINE SAND	LITHOLOGY: MEDIUM SAND	LITHOLOGY: COARSE SAND	LITHOLOGY: FINE GRAVEL	LITHOLOGY: COARSE GRAVEL	LITHOLOGY: 50% 25% 10% CARBONATES Vol. %	LITHOLOGY: 25% 10% 5% OXIDES / HYDROXIDES Vol. %	LITHOLOGY: 25% 15% 10% 8% 6% 4% 2% SULFIDES Vol. %	COMPACTION DEFORMATION PROPERTIES: STRUCTURE	COMPACTION DEFORMATION PROPERTIES: TEXTURE	NOTES	% RECOVERY	NO. OF LAYER
1100					25																ank		py			1099' END OF HOLE		
																										CORE CONTAINS ABUNDANT SHEAR, FRACTURE, BRECCIA AND GOUGE ZONES.		MR
1000		10-25% ser / phn	gn- gy- l / gn		18 25																ank		py py					
																					ank		py			351.5', 353', 365'-370', 416'-420', 980'-1010', 1030'-1037' 1050'-1090': CALCITE VEINS AND VEINLETS.		
900					32 50																ank		py					
					51				F													leu	py					
800		3-5% ser / mus	wh- l / gy		31																	leu	py			675'-678', 681'-682', 683'-688', 691'-698', 700'-704', 705'-706', 739'-741': CORE HAS FAINT PINK TINGE.		LR
					37																	hmt	thd / py					
					40																	leu leu hmt mch hmt	py					
700			wh																		ank		py			412' ANKERITE VEIN		
		5-15% ser / phn	l / gn		57																		py					
600		3-5% ser / mus	wh	~	16	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	567'-605': STRONG FRACTURE ZONE WITH LOCAL GOUGE. BIG 20 FAULT MAY BE AT 595'		
					16																		py					
500		3-7% ser / phn	l / gn- wh		35																ank	leu	py			425.5'-511': STRONG BRECCIA ZONE.		
																							py			464.6'-467.7' WHITE APHANITIC FELSIC DIKE		
400			l / gn-		18																					0'-315' ROCKS COMMONLY OXIDIZED		
			l / gy																							HOLE CASED TO 10'		
300																										191.7' TRACE OF PYROMORPHITE		
					29																ank	leu				124.5'-155': STRONG FRACTURE ZONE WITH LOCAL GOUGE. ROCKS COMMONLY IN FRAGMENTS LESS THAN 0.5" DIAMETER.		
200		3-7% ser / phn	l / gn-	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~			
																							py			73.5'-77.5': WHITE GOUGE.		
100			l / gy																				py			VITREOUS QUARTZITE PORTRAYED AS MEDIUM SAND; SERICITIC QUARTZITE AS FINE SAND.		
				~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~			
0					33				F													leu	py					