Contractor: DAVIS | Coordinates: Loc 13 | Project: GILT EDGE | Hole No.: R88-411

Drill Type: DH 1 | Casing Depth: | State: SD | Sheet 2 of 6

Hole Size: 5 3/4 | Bearing: | Inclination: -90 | Date Started: 8/7/88 | Property: GILT EDGE

Collar Elev.: | Final Depth: | Date Completed: | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong) 123 123 123 123 123 123 123	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement)	TYPE	ASSAY Au	ASSAY Ag
			60	1			Ttp	TRACHYTE (cont.)	SULFIDE (cont.) same			
					195-200							
					220-225							
					245-250			(245-335) medium grain, moderate wht clay alt., moderate amounts of secondary qtz.	(250-285) 3% FeS_2			
					270-275							
									(295-315) 1% FeS_2			
					295-300							
									(315-360) 3% FeS_2			
					320-325							
								(335-465) pale green alt., moderate increasing to yellowish green	(330-335) 25% brt. orange FeO w/clay			
					345-350							

DRILL CUTTING LOG

Logged by:

Contractor: DAVIS | Coordinates: Loc13 | Project: GILT EDGE | Hole No.: R88-414

Drill Type: DH-1 | Casing Depth: | State: SD | Sheet 3 of 6

Hole Size: 5 3/4 | Bearing: | Inclination: -90 | Date Started: 8-7-88 | Property: GILT EDGE

Collar Elev.: | Final Depth: | Date Completed: | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE	ASSAY Au	ASSAY Ag
			60	1				Tfp TRACHYTE (cont.)	SULFIDE (cont.)			
								same				
									(360-470) 2% FeS_2			
					370-375							
					395-400							
					420-425							
					445-450							
								(465 - 520) med to dk gray Tfp				
					470-475			mod to light alt (wht. clay)				
									(470-530) 1% FeS_2			
					495-500							
								H_2O @ 505'				
					520-525			(520-555) pale green alt, small amount dk green alt.				

DRILL CUTTING LOG

Logged by:

Contractor: DAVIS | Coordinates: Loc 13 | Project: GILT EDGE | Hole No.: K88-414

Drill Type: DH-1 | Casing Depth: | State: SD | Sheet 4 of 6

Hole Size: 5 3/4 | Bearing: | Inclination: -90 | Date Started: 8-7-88 | Property: GILT EDGE

Collar Elev.: | Final Depth: | Date Completed: | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement) / TYPE	ASSAY Au	ASSAY Ag
			60				Ttp	TRACHYTE (cont.)	SULFIDE (cont.) (550-560) 5% FeS_2		
						545-550					
								(555-675) medium to dk gray Ttp w/ slight green tint. minor wht clay alt. (argillic) Sulfide as replacement some secondary quartz	(560-570) 2% FeS_2		
						570-575			(570-595) 3% FeS_2 <575-595> fluorite		
						595-600			Fracturing (600-610) (595-620) 1/2% FeS_2		
						620-625			(620-635) 5% FeS_2 diss. replacement and veins. Fracturing (630-640) (635-640) 12-13% FeS_2 (640-650) 4% FeS_2		
						645-650			(650-675) 3% FeS_2		
						670-675		(675-) light gray to white trachyte with abundant secondary qtz. Green alteration occurs, intense over short intervals	(675-700) 1% FeS_2 (700-710) Tr steel gray sulfide		
						695-700					

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R88-414

Drill Type _____ Casing Depth _____ State _____ Sheet 5 of 6

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong) 1 2 3	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlet, Replacement) / TYPE	ASSAY Au	ASSAY Ag
			60	1	700-705		Ttp	Trachyte with secondary qtz (cont) - qtz eyes	(700-830) 2-4% FeS_2 diss - sporadic loose pieces		
					720-725				Fracturing (715-725)		
								Trace purple Fluorite (730-735)			
								Visible qtz veinlet in Trachyte (740-745)			
					745-750						
					770-775						
					795-800						
					820-825						
								(830-855) Poss Tqtp, bleached w/ oval qtz bleb, also secondary qtz	(830-865) 1-1½%		
					845-850						
								(855-925) greenish gray Ttp, w trace of pf throughout.			
									(865-910) 4% FeS_2		
					870-875						

DRILL CUTTING LOG

Logged by: _____

Contractor: DAVIS | Coordinates: Loc 13 | Project: GILT EDGE | Hole No.: R88-414

Drill Type: | Casing Depth: | State: | Sheet 6 of 6

Hole Size: | Bearing: | Inclination: -90 | Date Started: | Property:

Collar Elev.: | Final Depth: | Date Completed: | Hole Surveyed:

DRILL CUTTING LOG

Logged by:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement)	TYPE	ASSAY Au	ASSAY Ag
			60	1			Ttp	TRACHYTE (cont.)	SULFIDE (cont.)			
					895-900							
									(910-935) 2% FeS_2			
					920-925							
								(930-935) 20% pt chips (935-945) 3-5% pt, dk gray Ttp (945-950) 40% pt	(935-950) 1% FeS_2			
					945-950			(950-985) 2-5% pt, dk greenish gray Ttp	(950-970) 2% FeS_2			
					970-975				(970-980) tr to 1% FeS_2			
			10				pt	980-995 PRE CAMBRIAN	(980-985) 3% FeS_2 (985-1015) tr FeS_2			
			60		995-1000		Ttp	995-1015 TRACHYTE				
					1010-1015							
			EOH		EOH		EOH					