

PROJECT NO. 8.2561301		ID. B-3875		COUNTY Moore		GEOLOGIST J. Bryson							
SITE DESCRIPTION Bridge 78 over Old Ford Creek on SR 1456 (Mactec Project No. 30725-2-5443)							GROUND WATER (ft)						
BORING NO. B2-A		BORING LOCATION 17+95		OFFSET 12ft LT		ALIGNMENT -L-		0 HR. 0.3					
COLLAR ELEV. 356.9 ft		NORTHING 632,848		EASTING 1,821,872				24 HR. 3.0					
TOTAL DEPTH 24.8 ft		DRILL MACHINE CME-550, ATV		DRILL METHOD Rotary Wash/Core		HAMMER TYPE 140 lb Manual							
DATE STARTED 1/7/03		COMPLETED 1/7/03		SURFACE WATER DEPTH N/A									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
356.9													Ground Surface
356.9	0.0	2	3	4							SS-3	25.3%	Alluvium: Brown, clayey SILT (A-4) with few rock fragments
353.4	3.5												Weathered Rock: Green META-VOLCANIC
		30	70/0.2ft										Crystalline Rock: Green, slightly to very slightly weathered, closely to moderately closely fractured, moderately hard to hard META-VOLCANIC; 1 joint at 0°, 12 joints at 30-50°, 17 joints at 50-70°, 11 joints at 70-90° (2 with clay)
											RS-1		RS-1 sampled at 15.8 to 16.2 feet
													Boring and Coring Terminated at 24.8 ft (Elev. 332.1 ft) in Crystalline Rock: Hard META-VOLCANIC
													Bits Used: 4in roller cone, HWD4 core bit
													Drilling Fluid: Water

PROJECT NO. 8.2561301		ID. B-3875		COUNTY Moore		GEOLOGIST J. Bryson				
SITE DESCRIPTION Bridge 78 over Old Ford Creek on SR 1456 (Mactec Project No. 30725-2-5443)							GROUND WATER (ft)			
BORING NO. B2-A		BORING LOCATION 17+95		OFFSET 12ft LT		ALIGNMENT -L-		0 HR. 0.3		
COLLAR ELEV. 356.9 ft		NORTHING 632,848		EASTING 1,821,872				24 HR. 3.0		
TOTAL DEPTH 24.8 ft		DRILL MACHINE CME-550, ATV		DRILL METHOD Rotary Wash/Core		HAMMER TYPE 140 lb Manual				
DATE STARTED 1/7/03		COMPLETED 1/7/03		SURFACE WATER DEPTH N/A						
CORE SIZE HWD4				TOTAL RUN 20.6 ft		DRILLER D. Rhodes				
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC. (%)	RQD (%)		REC. (%)	RQD (%)		
										Begin Coring @ 4.2 ft
352.7	4.2	0.6	4:41/0.6	(0.3)	(0.0)		(0.0)	(N/A)		Weathered Rock: Green META-VOLCANIC
352.1	4.8	5.0	2:51	50%	0%		0%	(15.2)		Crystalline Rock: Green, slightly to very slightly weathered, closely to moderately closely fractured, moderately hard to hard META-VOLCANIC; 1 joint at 0°, 12 joints at 30-50°, 17 joints at 50-70°, 11 joints at 70-90° (2 with clay)
			3:50	(5.0)	(2.5)		(20.3)	75%		
			3:51	100%	50%		100%			
			3:30							
			5:21							
			4:20	(5.0)	(3.2)					RS-1 sampled at 15.8 to 16.2 feet
			4:16	100%	64%					
			4:30							
			3:00							
			5:18							
			4:13	(5.0)	(4.6)	RS-1				
			3:15	100%	92%					
			3:50							
			2:42							
			3:00	(5.0)	(4.9)					
			2:44	100%	98%					
			2:60							
			3:17							
			4:02							
			5:07							
										Coring Terminated at 24.8 ft (Elev. 332.1 ft) in Crystalline Rock: Hard META-VOLCANIC