

Diamond Drill Record					HOLE NO 86-AOR LSS		Page 1 of 3		
LOCATION: LO 2+50S		DIPS - collar 75°		CONTRACTOR: ARCTIC DIAMOND DRILLING		PROPERTY: LONE STAR -AOR-DEL			
AZIMUTH: 200°		- 442 mft. 79°		LOGGED BY: S. TOMLINSON		CLAIM NO. L409; 533			
ELEVATION:		- m °		DATE: NOVEMBER 15, 1986		SECTION NO. LONE STAR LEASES			
LENGTH: 447 FEET		- m °				STARTED: NOVEMBER 11, 1986			
CORE SIZE: n Q		- m °				COMPLETED: NOVEMBER 13, 1986 3:00 p.m.			
PURPOSE: TO DETERMINE BEDDING ATTITUDES OF UNITS OBSERVED IN HOLES LS #3 AND LS #10									
Section		ROCK DESCRIPTION		Interval		ALTERATION, MINERALIZATION etc.		VEINLETS	
from mft	to mft			from mft	to mft			Thickness mm	Angle to core
0	20	Casing - no core.							
20	122	Quartz chlorite muscovite schist. Irregular chlorite and muscovite lamellae between quartz bands. Lamellae are up to 5 mm thick, average 2 mm. Quartz forms bands up to 1 cm wide, and pods to 7 cm. Schistosity to C.A.: 47°, irregular, moderately developed, convoluted throughout Recovery: 20 - 65.5 = 43/45.5 65.5 - 101.5 = 100% 101.5 - 122 = 1.5/20.5 (mismatch)		20	28	Pyrite occurs as fine grained disseminations and stringers, foliaform, often along compositional layers, averages 1 - 2% of core. Minor iron staining throughout section along fracture surfaces. Core is weathered, occasionally finely fractured, iron and manganese stained.			
122	140	Muscovitic quartz chlorite schist. Quartz and chlorite form irregular bands and pods. Quartz may form pods up to 1 cm, averaging 0.3 cm. Schistosity to C.A.: 5° to 20°, very irregular, contorted. Recovery: 122 - 127 = 4/5				Pyrite forms foliaform stringers and disseminations, about 1% of core. Core may be moderately fractured, but probably due to schistosity paralleling core axis.			

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Section		ROCK DESCRIPTION	Interval		ALTERATION. MINERALIZATION etc.	VEINLETS		
from mft	to mft		from mft	to mft		Thickness mm	Angle to core	minerals in decreasing abundance
		127 - 133.5 = 100% 133.5 - 140 = 3/6.5						
140	176.5	Quartz chlorite muscovite schist. Quartz and chlorite/muscovite form distinct bands and lamellae. Schistosity to C.A.: 0 - 40°, steepening as get lower in section, average is 20°, slightly convoluted. Recovery: 100%			Pyrite occurs mostly as folia- form stringers, but also as disseminations; averages 3% of core, but may concentrate to 10% over a 10 cm section.			
176.5	182	Maripositic quartz muscovite schist. Muscovite and mariposite form lamellae between quartz bands. Mariposite accounts for 5% of core. Schistosity to C.A.: 53°, slightly irregular. Recovery: 100%			Pyrite occurs as foliaform stringers and disseminations. Accounts for 5% of core. A few small crosscutting calcite veinlets.			
182	190	Quartz chlorite muscovite schist. Chlorite and muscovite forms lamellae between quartz bands. Schistosity to C.A.: 45°, slightly convoluted. 187 ft. - 189 ft. is chlorite rich. Recovery: 100%			Pyrite occurs as foliaform stringers and disseminations; accounts for 5% of core, locally over 10 cm may be 15% of core.			

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Section		ROCK DESCRIPTION	Interval		ALTERATION. MINERALIZATION etc.	VEINLETS		
from ft	to ft		from ft	to ft		Thickness mm	Angle to core	minerals in decreasing abundance
190	197	Chloritic quartz muscovite schist. Muscovite plus some chlorite forms lamellae between quartz bands. Layering is poor. Schistosity to C.A.: 48°, weak. Recovery: 100%			Pyrite occurs as foliaform stringers and disseminations for 5% of core, concentrates up to 10%.			
197	338	Quartz muscovite schist. Muscovite forms fine lamellae between quartz bands. Well layered. Schistosity to C.A.: 40°, weakly foliated. Very minor mariposite in top of section. In some zones, chloritic reach. Recovery: 197 - 242 = 100% 242 - 252 = 9/10 252 - 338 = 100%	197	210	Minor quartz veining, approximately 1 - 2% of section, average 3 cm wide. Pyrite as foliaform stringers along compositional contacts occurs up to 5% locally, averages 2 - 3%.			
			210	243	Pyrite accounts for less than 1% locally.			
			243	285	Pyrite 2 - 3% disseminated along contacts to quartz/muse, also as stringers, up to 5% locally.			
			285	338	Py approximately 1% as stringers and disseminated.			
338	447	Quartzite Massive quartz rich medium green unit with quartz approximately 70% to muscovite 30%, note weak compositional layering. Poddy to layered quartz bands. Distorted layering. Schistosity to C.A.: 50° to 60°. Tight minor folds. Recovery: 100%			Pyrite 1% overall with local sections to 3%, as stringers and dissemination.			