

Diamond Drill Record				HOLE NO. 86-AOR-LS2 Page 1 of 2	
LOCATION: BASE L-2+50S		DIPS - collar 45°		CONTRACTOR: ARCTIC DIAMOND DRILLING	
AZIMUTH: 020		- 354 ft 54°		LOGGED BY: P. GRUNENBERG	
ELEVATION:		- m °		DATE: SEPTEMBER 6, 1986	
LENGTH: 354 FEET		- m °		SECTION NO. LONESTAR LEASES	
CORE SIZE: n Q				STARTED: SEPTEMBER 3, 1986 18:00 hrs	
PURPOSE: TO TEST AN INDUCED POTENTIAL ANOMALY				COMPLETED: SEPTEMBER 4, 1986 22:30 hrs	

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
0	26	Casing - no core.						
26	354	The total length of this hole appears to be made up of the same rock type. The average section of core is as follows: 40% quartz 60% micas-majority is coarse muscovite, up to 10% chlorite in few places. Very plastically deformed quartz bands, with apparent schistosity roughly parallel to the core axis. Light grey-green color.	0	73	Oxidized zone to 73 feet: rusty dark orange color. Iron oxides and manganese oxides. (black staining). Core broken up (fragmental). Boxworks and visible sulfides make up to 2 or 3% of core. Oxidation occurs only within permeable sections of core. 1 to 2% sulfides throughout core. Pyrite occurs as fine disseminate and commonly as thin irregular, somewhat globular stringers which appear to parallel schistosity. Concentrations of fine pyrite euhedral cubes occur along several fracture surfaces making up to 25% of a given surface. Pyrite in general is more concentrated near quartz rich areas. Chalcopyrite found with pyrite in few places within quartz segments of schist. Rhodochrosite somewhat common with (apparent) discordant			
			26	354				

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HOLE NO. LS 2

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from Rft	to Rft		from Rft	to Rft		Thickness mm	Angle to core	minerals in decreasing abundance
			256	257.5	veins of quartz carbonate, as pink colored halos within quartz.			
			342	343	Quartz vein or pod - white barren looking (less than 0.5 sulfides) semitranslucent quartz, no associated carbonate. Contains few segments of country rock.			
			225.5	227	Quartz vein or pod - milky to translucent, grainy quartz, no visible sulfides.			
			229.5	232	Brecciated texture to core - completely healed. Quartz bands broken to augen like 5 cm segments. Highly convoluted mica's inbetween quartz. Vugs to 1 cm diameter with bladed crystal infills (rhodochrosite or calcite) and yellow crystals (witherite or calcite?).			
			48	48.5	Shears - micaceous, clayey, fractured sections of core with much the same constituents as country rock, no apparent secondary alterations, just mechanical shearing.			
			246	247				
			284.5	285				
			351	354				