PROPERTY DAWSON
ARBOR - LONE STAR

DIAMOND DRILL RECORD

HOLE NO. 87D8 PAGE 1 OF 3

LATITUDE	139° 18'	DIPS-COLLAR 90°	AZIMUTH Vertical	STARTED October 12, 1987	6:00 p.m.
LONGITUDE	63° 54'		CORE SIZE HQ to 170 ft, nQ to 296	COMPLETED October 14, 1987	8:30 a.m.
ELEVATION	1900 feet		CONTRACTOR CARON DIAMOND DRILLING	LENGTH 296 feet	
SHEET NO.	115-0-14			LOGGED BY PERRY GRUNENBERG	
TARGET	RUSTY BEDDING NEAR D. JOHNSON'S CAMP			DATE October 30, 1987	

INTERVAL FROM	INTERVAL TO	ROCK DESCRIPTION	% REC	FROM	TO	RQD	GRAPHIC	MINERALIZATION SUMMARY	SAMPLE NUMBER	INTERVAL	WIDTH	TAG NUMBER	DEPTH (m)
0	20	Casing - no core											
20	52	- light green, fairly equitextured, Sericitic, quartzitic, quartz muscovite schist. 50% Quartz 30% Muscovite 10% Sericite Cleavage to Core axis = 80°	100	27	47	3		Fe oxide splotches could be carbonate (altered from F-spar) Less than 1% fine disseminated pyrite - 4 inch Qtz at 43 ft.	87D8	20- 24 24- 27 27- 32 32- 37 37- 42 42- 47 47- 52	4 3 5 5 5 5 5		
52	59	orange-brown, carbonate rich breccia/vein. Schistosity visible through most of section, about 60° to core axis - appears to be carbonate rich alteration of schist near breccia/vein source 50% Carbonate (siderite) 10% Quartz 15% Muscovite	85	47	57	4		Fe oxide, Mn oxide 2 to 5% disseminated pyrite, with enrichment near carbonate source.	87D8	52- 55 55- 59	2 3		
59	134	quartz muscovite schist with multiple weathered, shear zones, shears reflected in low recoveries of core. 60% Quartz 30% Muscovite Schistosity to core axis = 60° to 70°	100 40	57 72	72 77	3 5		- Less than 1% fine and coarse pyrite disseminated.	87D8	59- 64 64- 72 72- 79 79- 82 82- 85 85- 90	4.5 4.5 3 4 3.5 5		

INTERVAL FROM	INTERVAL TO	ROCK DESCRIPTION	% REC	FROM	TO	RQD	GRAPHIC	MINERALIZATION SUMMARY	SAMPLE NUMBER	INTERVAL	WIDTH	TAG NUMBER	DEPTH (m)
59	134	shear zone and quartz summary											
(cont'd)		(72)-(79) - fine powder, muscovite, orange brown colour	100	77	85	4		FeOx along cleavage surfaces, and throughout some shears.	87D8	90- 95	3.5		
										95- 97	1.5		
	80-82	- ground schist, no alteration, fragmentss to 3cm diameter	80	85	95	3 to 5				97-102	5		
	at 88	- 2 inch quartz band	60	95	99.5	5		- no increase in pyrite		102-106	3.5		
	91-97	- increasing sheared from broken platey to flakes. 3 inch quartz piece at 95 feet.	100	99.5	102	3				106-110	4		
		- 95-97 brown coloured	85	102	106	3				110-116	4		
		- 2 inch quartz piece at 97 feet.	100	106	111	4				116-120	3		
	at 116	- orange coloured, ground schist, 6 inches	50	111	116	5		- MnOx through dark, weathered shear.		120-122	2		
	120-122	- orange coloured, broken (ground) schist	65	116	122	4				122-127	2.5		
	122-130	from soft slabs to powder.	40	122	127	4 to 5				127-130	3		
										130-134	5		
134	143	- Dark green chlorite schist - flakey, weak competency 30% Quartz 60% Chlorite - apparently sheared near 142, powdery.	100 75	127 138	138 142	3 4 to 5		- coarse cubes of pyrite throughout to 1%	87D8	134-138 138-143	5 5		
143	242	- poorly banded quartz-muscovite schist 65% Quartz 30% Muscovite	100	142	170	3 to 4		- coarse pyrite cubes and fine disseminate throughout, to 1 or 2%.	87D8	143-147 147-150.5 150.5-153 153-157 157-162 162-167 167-170 170-177 177-182 182-193.5 193.5-195	4 4.5 3 4 5 5 4 4.5 1.5 5 1.5		
		- Schistosity to core axis = 65°	65	170	177	4							
		- Multiple shears -	30	177	182	2							
	at 147	- rock fragmented to land 2cm flakes	35	182	192	4		- several coarse pyrite cubes in quartz.					
	177-182	- 1.5 foot quartz vein/pod.											
	193.5-195	- 1.5 foot quartz vein or pod.	100	192	212	3		- magnetic related to carbonate splotches.					
	196	- Several segments with carbonate splotches											

INTERVAL FROM	INTERVAL TO	ROCK DESCRIPTION	% REC	FROM	TO	RQD	GRAPHIC	MINERALIZATION SUMMARY	SAMPLE NUMBER	INTERVAL	WIDTH	TAG NUMBER	DEPTH (m)
143 (continued)	242	at 203' - 3 to 4 inches of quartz lamellae, with pyrite enrichment along borders						Pyrite enrichment (minor) on quartz lamellae.	87D8	195-199	4		
										199-203	4		
										203-207	4		
	212-242	- mostly fine sludge recovered through section, open spaced shear, mud.	50	212	222	5				207-212	5		
			40	222	232	5				212-222	5		
			50	232	237	5				222-232	4.5		
			75	237	242					232-242	6		
242	274	- clay sheared graphitic schist.	90	242	252	5		fine pyrite to less than 1% throughout.	87D8	242-247	4.5		
		- Black, fine powdery/pebbly, graphite rich schist.	25	252	257	5				247-252	4.5		
			10	257	262	5				252-263	4		
		- remnant fractured quartz pebbles near 152 feet	100	262	267	5				263-267	4		
			80	267	272	4				267-270	3		
										270-274	3		
274	296	- quartz muscovite schist, quartzitic to quartzite by end of hole	90	272	277	4		- 1 to 2% very finely disseminated pyrite	87D8	274-275	1		
						3				275-279	2.5		
		- carbonate in matrix	100	277	282	to		- strongly magnetic in places (magnetic ± pyrrhotite)		279-282	3		
	274-275	- quartz vein or pod				5				282-287	4		
		- cleavage to core axis = 70 to 75°	70	282	285	2				287-291	4.5		
	278-279	- blue-green coloured, powdery shear.	100	285	296	2		- grey carbonate blotches		291-294	3		
						to		- geothite along fractures.		294-296	2		
						1		- pyrite "smears" along some cleavages to 50% of surface.					