

Drill Hole No. MH-106

Date: 5/2/78

Bearing: N 42 E Inclination: 20°N

Drilled By: Boyles Bros. Bob Kesty

Coordinates: North 626,983.40 East 1,454,911.46  
626,984.0 1,454,913.0

Logged By: Ferryl C. Gale

Elevation: 1021.08

Total Depth: 216.0 Core 0.0-216.0

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
0.0	20.0							No core recovery, set casing.
20.0	27.0							Gray fine-grained sandstone, weathered, heavy limonite staining in fractures. Core recovery 3.0'.
27.0	36.0							Sandstone as before
36.0	45.0							Sandstone as before, occasional wisps of black shale, heavy limonite staining, Bedding dip 80°S.
45.0	53.0							Sandstone, heavily fracture, Fault, (core recovery 2.0')
53.0	61.0							Sandstone with interbedded lenses of gray shales, Bedding dip 82°S.
61.0	65.0							Sandstone as before, sheared very broken, locally brecciated & strong qtz stringer w/ well formed turminated qtz crystals.
65.0	79.0							Sandstone & gray & black interbedded shales. Bedding Dip 78°S. Broken 70.0-71.0 weak fault.
79.0	90.0							Sandstone & interbedded lenses of gray shales. Bedding Dip 77°S.
90.0	101.0							Same as above plus qtz veinlets, gnarled

bedding, fractured locally 91.0-92.0, 99.0-101.0

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DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO <sub>4</sub>		
101.0	113.0							Interbedded sandstone & black shale. Bedding dip 84°S. 110.0'.
113.0	119.0							Interbedded sandstone & black shale (highly fractured 114.0-115.2) Bedding dip 80°S.
119.0	123.0							Gray sandstone, fine-grained well cemented, scattered qtz veinlets.
123.0	135.0							Sandstone as before (Fault minor 127.0-128.0 highly broken)
135.0	146.0							Sandstone with thin interbedded black shale lenses. (minor fault very broken 140-141.0)
146.0	157.0							Sandstone as above, Bedding Dip 85°S. 153.0
157.0	163.0							Sandstone as above.
163.0	165.0							Fault, brecciated, strong qtz & calcite w/ fragments of gray sandstone.
165.0	169.0							Fault; Sandstone & interbedded gray & black shales, numerous qtz veinlets & stringers.
169.0	177.7							Continuation of fault, sandstone w/ strong qtz & calcite pods.
177.7	180.0		2943	2.3'				Barite zone; low grade, approx. 30%, thinly bedded barite in black shale, numerous calcite & qtz veinlets.

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FROM	TO				Sp. Gr.	BaSO <sub>4</sub>		
180.0	185.0		2944	5.0'				Barite zone, Med.grade, approx 50% barite, thick & thinly bedded barite interbedded w/ black shales. Small scattered nodules locally associated w/ bedded barite. Bedding dip 182.0 = 77°N.
185.0	189.0		2945	4.0'				Barite zone, med grade, approx 45% BaSO <sub>4</sub> , thinly bedded barite, bedding dip 82°N at 186.0
189.0	191.0		2946	2.0'				Barite zone; med grade; approx 40% BaSO <sub>4</sub> , large Barite nodules randomly scattered, locally elongated nodules oriented w/ bedding. Bedding dip 88°N.
191.0	194.6		2947	3.6'				Barite zone, med grade approx 60% BaSO <sub>4</sub> , large nodules & thick bedded barite. Bedding dip 90° at 192.0'.
194.6	197.3		2948	2.7'				Barite zone, med grade approx 40% BaSO <sub>4</sub> , small random oriented barite nodules. Bedding dip 89°N.
197.3	202.5		2949	5.2'				Barite zone, med grade approx 60% BaSO <sub>4</sub> , numerous elongated barite nodules along bedding plane. Bedding dip 89°N at 200'.

Total Depth: \_\_\_\_\_

10/77

FANCY HILL - DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO <sub>4</sub>
MDDH 106					
2943	3900	177.7-180	2.3	2.798	3.43
2944	3901	180-185	5.0	3.251	39.40
2945	3902	185-189	4.0	3.278	41.23
2946	3903	189-191	3.0	2.944	16.23
2947	3904	191-194.6	3.6	2.989	19.92
2948	3905	194.6-197.3	2.7	2.942	16.06
2949	3906	197.3-202.5	5.2	2.949	16.65
		Total	28.85		
		Weighted Average		3.05	24.71