

DRILL HOLE RECORD

 Drill Hole No.: MH-51 Inclination: 42°N.

 Bearing: N. 24 E.

 Property: Fancy Hill

 Co-ordinates: North 626,293.01 East 1,456,360.58

 Elevation: 924.84

 Date: 9-10-78

 Drilled By: Boyles Bros. Kesty & Betts

 Logged By: Ferryl C. Gale

 Total Depth: 188.0 Cored from 0.0 to 188.0

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
0.0	10.0						Set casing, no core recovery.
10.0	21.0						Light gray sandstone, fine grained locally dark gray with wisps of black shale, fractures filled with limonite staining. Bedding dip at 14.0 ft. is 80°S.
21.0	34.0						Sandstone as above, highly fractured and broken from 24.0 - 32.0 ft., numerous qtz. and calcite veinlets. Fault has a trend from east to west, slicken sides present.
34.0	45.0						Sandstone as above. Bedding dip at 44.0 ft. is 84°S.
45.0	55.5						Sandstone as above, occasional lamina of black shale, bedding dip at 54.0 ft. is 88°S.
55.5	65.0						Sandstone as above, bedding dip at 60.5 is 85°S.
65.0	76.0						Sandstone as above, very competent 74.0 - 75.0 strong fractures striking north to south. Bedding at 76.0 ft. is 85°S.
76.0	87.0						Sandstone as above with occasional lamina of black shale. Bedding dip at 86.0 ft. is 86°S.
87.0	93.0						Black shale lens.
93.0	98.0						Sandstone, very competent.
98.0	108.0						Sandstone as before, very competent.
108.0	120.0						Sandstone as before, bedding dip at 108.0 ft. is 85°S.

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DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
120.0	132.0						Interbedded sandstone and black shales. Bedding dip at 126.0 ft. is 86°S.
132.0	138.0						Interbedded sandstone and shale.
138.0	140.1		7377	1380 = N 626, 389.08 E 1,456, 403.35 Elev 835.50			Barite zone, 80% BaSO4, high grade. Massive barite. Bedding dip at 138.0 ft. is 87°S.
140.1	143.0		7378				Barite zone, 50% BaSO4, medium grade, laminated and nodular barite in black shale.
143.0	149.0		7379				Barite zone, medium grade, 50% BaSO4 laminated barite, bedding dip at 145.0 ft. is 82°S.
149.0	154.0		7380				Barite zone, medium grade, 50% BaSO4, random-oriented barite nodules. Some are elongated and others are spherical, locally laminated barite.
154.0	156.5		7381				Barite zone, high grade, approx. 70% BaSO4, massive locally.
156.5	158.2		7382				Barite zone, medium grade, approx. 40% BaSO4, bedding dip 157.0 ft. is 78°S.
158.2	165.0		7383				Barite zone, high grade, approx. 80% Barite massive.
165.0	173.0		7384	173.0 = N 626, 414.28 E 1,456, 414.57 Elev 813.90			Barite zone, low grade, approx. 15% BaSO4, stringers of calcite and qtz. host rock, black shale.
173.0	176.5						Black shale.
176.5	187.6						Black shale, bedding dip at 178.0 ft. is 87°S.

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Total Depth: _____

[illegible]

Bottom Hole Corde 626,430.84 1,456,421.95 799.80

FANCY HILL DIAMOND DRILL HOLES

INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO ₄
MDDH 51					
7377	6300	138.0-140.1	2.1	3.564	58.92
7378	6301	140.1-143.0	2.9	3.361	46.67
7379	6302	143.0-149.0	6.0	3.385	48.20
7380	6303	149.0-154.0	5.0	3.259	39.95
7381	6304	154.0-156.0	2.0	3.345	45.65
-	-	156.0-156.5	0.5	2.761	0.00
7382	6305	156.5-158.2	1.7	3.232	38.10
7383	6306	158.2-165.0	6.8	3.516	56.15
7384	6307	165.0-173.0	8.0	3.018	22.25
		Total	35.00		
		Weighted Average		3.299	42.62