

Drill Hole No. MDDH-24

Date: 11-7-77

Bearing: N. 19° E Inclination: 45° N

Drilled By: Boyles Bros: Ralph Jex

Coordinates: North 629,411.09 East 1,449,376.96

Logged By: Lynn Burton

Elevation: 1157.47

Total Depth: 138.0'

DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES		DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO <sub>4</sub>	
0.0	10.0	-	-	-			Colluvium: Red to yellow clay w/ mixed gravel.
10.0	15.0	95%	10-15	5.0'			Colluvium: yellow grading into buff & brown w/ considerably gravel.
15.0	20.0	95%	15-20	5.0'			Clay and shale, mixed w/ some gravel & clastics, clay begining to turn gray.
20.0	25.0	95%	20-25	5.0'			Buff to gray shale, some iron stains on cuttings.
25.0	30.0	90%	25-30	5.0'			Buff to gray shale
30.0	35.0	90%	30-35	5.0'			Buff to gray shale, minor clastics
35.0	40.0	90%	35-40	5.0'			Buff to gray shale, turning gray to black last 1.5'.
40.0	45.0	90%	40-45	5.0'			Gray shale, no clastics.
45.0	50.0	90%	45-50	5.0'			Gray to black shale, marcasite observed in clay nodules.
50.0	55.0	85%	50-55	5.0'			Gray to black shale.
55.0	60.0	80%	55-60	5.0'			Gray to black shale.
60.0	65.0	80%	60-65	5.0'			Gray to black shale, darker
65.0	70.0	80%	65-70	5.0'			Light gray shale, no clastics
70.0	75.0	80%	70-75	5.0'	2.803	39	Light gray shale.

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DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
75.0	80.0	80%	75-80	5.0'	2.791	2.1	3.35%	Light gray shale, turning purple @ end, possible thin (-10") bed barite @ 77.5'.
80.0	85.0	75%	80-85	5.0'	3.245	42.4		Barite nodules encountered @ 80.0' (or thin bed before) in gray to purple shale white Dust - water hit @ 84'
85.0	90.0	70%	85-90	5.0'	3.758	69.4		Barite - White dust, gray to purple shaley appearance, high conc. of nodule, (+50%) w/ high replacement (+75%)
90.0	95.0	65%	90-95	5.0'	3.590	60.4	50.4%	Barite w/ thin (-.5') interbedded shales. Nodules (-50%) w/ est +75% replacement
95.0	100.0	50%	95-100	5.0'	3.623	62.2		Barite becoming interbedded w/ shale last 1 - 1.5'.
100.0	105.0	30%	100-105	5.0'	3.311	42.4		Two thin beds barite (100-101 & 104-105) interbedded w/ reddish purple shale.
105.0	110.0	40%	105-110	5.0'	3.161	33.1		Barite interbedded w/ gray shale, nodules 20-40% replaced, poorer grade.
110.0	115.0	40%	110-115	5.0'	2.876	10.4		Gray to black shale, no nodules.
115.0	120.0	40%	115-120	5.0'				Gray to black shale, no clastics.
120.0	125.0	35%	120-127	5.0'				Gray to black shale, no clastics.
125.0	130.0	35%	127-130	5.0'				Black Shale w/ white Qtz clastics.

# DRILL HOLE LOG

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[illegible]

## FANCY HILL - DIAMOND DRILL HOLES - PHASE II

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
HOLE # 24		70-75	5.0	3.085	27.4
		75-80	5.0	2.816	5.1
		80-85	5.0	3.332	44.8
		85-90	5.0	3.758	69.4
		90-95	5.0	3.540	57.54
		95-100	5.0	3.718	67.3
		100-105	5.0	3.340	45.3
		105-110	5.0	3.182	34.6
		110-115	5.0	2.876	10.4
			50.0		
		Weighted Average		3.337	45.11