

## DRILL HOLE RECORD

Drill Hole No.: MH-111 Inclination: 45° N  
 Bearing: N 16 E  
 Property: Fancy Hill Center Pit  
 Co-ordinates: North 627,319.7 East 1,454,095.8  
 Elevation: 1026.49

Date: June, 1978  
 Drilled By: Boyles Bro. Bob Kesty, Wayne Cole,  
Jim McCall and Wade Betts  
 Logged By: Ferryl C. Gale  
 Total Depth: 295.0 ft. Core 0.0 - 295.0

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
				Tro	Pari	Survey	AZ
			Surface	Dip			
				45° N			N16° E
			76ft.	45° N			N13° E
			100ft.	45° N			N18° E
			217ft.	42° N			N20° E
			295ft.	38° N			N19° E
			T.D.	295.0ft.			
0.0	10.0						Set Casing, no core recovery.
10.0	25.0						Novaculite in float, 10.0-10.1, 10.1 Light gray fine grained sandstone weathered, limonite staining in fractures. Fault 21.0 -24.0 highly broken 2.0 ft. core loss.
25.0	37.4						Predominately sandstone with occasional lamina of black shale. 25.0 - 25.3 gauge with fragments of sandstone. Highly fractured from 27.8 - 30.2, scattered qtz. and calcite fractures fillings.
37.4	47.9						Sandstone and lamina of black shale, highly broken 42.0 - 43.0.
47.9	58.7						As above, bedding dip at 56.0 ft. is 89° S.
58.7	69.4						Sandstone as before, approx. 5% Mica.

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Co-ordinates: North \_\_\_\_\_ East \_\_\_\_\_

Logged By: \_\_\_\_\_

Elevation: \_\_\_\_\_

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

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
69.4	79.9						As before, occasional qtz. and calcite veinlets, bedding dip at 78.2 is 85°S.
79.9	89.8						As above, bedding slipage at 85.0 ft. Bedding dip at 85.0 ft. is 88°S.
89.8	100.5						As above, moderate pyrite filling fractures in black shale at 95.0 ft.
100.5	111.3						Sandstone, well cemented, very competent.
111.3	122.3						As above, bedding dip at 115.0 is 88°N.
122.3	133.9						As before, bedding dip at 127.0 ft. is 89 S.
133.9	145.0						As before fractured and broken 143.0 - 144.0.
145.0	156.0						Interbedded sandstone and shales. (highly fracture 150.0 - 153.0) scattered qtz. veinlets minor brecciation at 152.3.
156.0	167.7						As above, bedding dip at 160.0 fts. is 75°S.
167.7	178.9						Primarily sandstone, however, interbedded light and dark gray shales. 173.0 - 176.0 (strong brecciation 168.2 - 170.0 recemented with qtz.) Bedding dip at 174.0 fts. is 87°S.
178.9	189.9						Sandstone, well cemented very competent.
189.9	203.8						As above, bedding dip at 202.5 is 75°S.

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Drilled By: \_\_\_\_\_

Co-ordinates: North \_\_\_\_\_ East \_\_\_\_\_

Logged By: \_\_\_\_\_

Elevation: \_\_\_\_\_

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

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO <sub>4</sub>	Cond.	
203.8	211.0						Sandstone, very competent, well cemented, scattered qtz. veinlets.
211.0	223.0						Sandstone as before, locally dark gray to black color, bedding dip at 217.8 is 78°S.
223.0	234.0						Sandstone, locally thinly bedded black and gray shales. Bedding dip at 229.0 fts. is 78°S.
234.0	246.5						As above, bedding dip at 242.0 is 74°S.
246.5	248.6		7602				Barite zone, low grade approx. 20% BaSO <sub>4</sub> scattered nodules in last rock black shale.
248.6	252.6		7603				Barite as above approx 20% BaSO <sub>4</sub> , bedding dip at 252.0 is 78°S.
252.6	256.5		7604				Barite approx low grade 30% BaSO <sub>4</sub> , becoming more laminated.
256.5	260.3		7605				Barite as above, bedding dip at 257.2 is 80°S.
260.3	264.0		7606				Barite zone, approx 40% BaSO <sub>4</sub> becoming nodular.
264.0	267.7		7607				Barite zone, approx 30% BaSO <sub>4</sub> scattered nodular barite in black shale. Bedding dip at 267.0 is 82°S.
267.7	269.7		7608				Barite zone, occasional barite nodule in gray shale. Bedding dip at 269.0 is 83°S.
269.7	278.8						Interbedded black and gray shales. Bedding dip



## FANCY HILL - DIAMOND DRILL HOLES - PHASE II

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATE % BaSO <sub>4</sub>
MH-111					
#1	7602	246.5-248.6	2.1	3.346	45.71
#2	7603	248.6-252.6	4.0	3.700	66.37
#3	7604	252.6-256.5	3.9	3.438	51.49
#4	7605	256.5-260.3	3.8	3.275	41.03
#5	7606	260.3-264	3.7	2.937	15.64
#6	7607	264-267.7	3.7	2.910	13.36
#7	7608	267.7-269.7	<u>2.0</u>	2.859	8.93
		TOTAL 23.20			
COMPOSITE		CALCULATED		3.23	38.24

P. H. Hill 11-11-61 627 531 61 1454 11-2 87 818 00