

## DRILL HOLE RECORD

Drill Hole No.: MH-41 Inclination: 20°N  
 Bearing: N24½ E  
 Property: Fancy Hill Center Pit  
 Co-ordinates: North 627,549.6 East 1,453,44.8  
 Elevation: 1014.50

Date: July, 1978  
 Drilled By: Boyles Bro. Ralph Jex, Ricky Deaton, Jim McCall  
 and Wade Betts  
 Logged By: Ferryl C. Gale  
 Total Depth: 234.0 Core 0.0-234.0

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
		Tropari	test	survey	down	hole	
				Dip	AZ		
		Surface		20°N	N24½E		
		110'		21°N	N18E		
		200'		21°N	N17E		
		210.0'		19°N	N10E		
		T.D.		243.0			
0.0	10.0						No casing, light gray sandstone lightly broken and locally weathered.
10.0	15.0						As above.
15.0	32.0						Sandstone as above highly fractured and broken, locally gauge, numerous calcite and qtz. veinlets.
32.0	45.0						Sandstone as above, highly fractured.
45.0	48.0						As above.
48.0	57.5						Sandstone, very competent, occasional fracture filled with limonite staining.
57.5	68.8						Sandstone as before, occasional lamina of black shale.
							Bedding dip at 64.0 ft. is 85°N.
68.8	79.8						Interbedded black shale and sandstone bedding dip at 73.0 feet is 76°N.
79.8	91.2						Sandstone with scattered lamia of black shale, marcasite in fractures at 87.0 feet.

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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.	
91.2	104.6						Interbedded sandstone and shale, highly broken 99.0 - 104.0, also this interval has numerous qtz. and calcite veinlets. Abundant disseminated pyrite cubes.
104.6	114.3						Sandstone as before, highly fractured and broken 107.0 - 111.0
114.3	126.6						Sandstone as before, very competent. Bedding dip at 115.0 feet is 80°N.
126.6	137.0						Sandstone, very competent and well cemented.
137.0	150.0						Sandstone, very competent
150.0	157.0						" " "
157.0	161.0						Interbedded sandstone and shale some soft sediment deformation.
161.0	172.0						As above, bedding dip 89°N.
172.0	184.0						Sandstone, very competent occasional shale lamina, well cemented.
184.0	187.0						Sandstone as above.
187.0	190.0		FCG-1				Barite zone, med grade, 50% BaSO <sub>4</sub> angular fragments of barite, has the appearance of a chemical precipitant barite.
190.0	195.4		FCG-2				Barite zone, med grade 55% BaSO <sub>4</sub> , bedding dip at 195.0 ft is 89°N.
195.4	199.0		FCG-3				Barite zone as above.

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

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

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

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

[illegible]

N 7 E  
N 19°  
243'

FANCY HILL - DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO <sub>4</sub>
MDDH 41					
FCG 1	3700	187-190	3.0	3.701	66.42
FCG 2	3701	190-195.4	5.4	4.033	82.49
FCG 3	3702	195.4-199	3.6	4.006	81.28
FCG 4	3703	199-202.5	3.5	3.843	73.63
FCG 5	3704	202.5-206.6	4.1	3.373	47.44
FCG 6	3705	206.6-209	2.4	2.945	16.31
FCG 7	3706	209-212.5	3.5	2.976	18.87
FCG 8	3707	212.5-216.5	4.0	2.878	10.60
			29.50		
		Weighted Average		3.51	55.86

Bottom hole corals 627,770.71 1,453,495.19 929.19