

## DRILL HOLE RECORD

 Drill Hole No.: MH-57 Inclination: 60°N.

 Bearing: N. 38 E.

 Property: Fancy Hill East Pit

 Co-ordinates: North 626,380.5 East 1,456,035.3

 Elevation: 916.86

 Date: October, 1978

 Drilled By: Boyles Bro. - Harold Vest, Junior Miller, Wade Betts & Ricky Deaton

 Logged By: Ferryl C. Gale

 Total Depth: 351.0 Core 0.0-351.0

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
							Acid Test Survey Down Hole
			Surface		Dip	AZ	
					60°N.	N. 38E.	
			100		59°N.	N. 38 E.	
			200		57°N.	N. 38 E.	
			300		55°N.	"	
			345		55°N.	"	
				Total	Depth	351.0 feet.	
0.0	20.0						Set casing (no core recovery)
20.0	30.0						Light gray sandstone, fine grained.
30.0	40.8						Gauge zone, give the appearance of a east west fault.
40.8	50.2						Sandstone as above, highly broken and fractured, thin lamina
							of black shale.
50.2	62.1						Sandstone as above, high R.Q.D., Bedding dip 75°S.
62.1	73.6						Same as above.
73.6	85.2						Same as above.
85.2	97.0						Sandstone as before, numerous qtz. veinlets, bedding dip 78°S.
97.0	109.0						Interbedded sandstone and gray and black shales.
109.0	121.0						Sandstone as above.
121.0	133.5						Sandstone, with wisps of black shale, bedding dip 70°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.	
135.5	145.0						Interbedded sandstone and gray and black shales.
145.0	158.1						As above.
158.1	169.8						Sandstone as before.
169.0	181.8						Sandstone with scattered lamina of black shale, bedding dip 70°S., fractures filled with marcasite.
181.0	193.7						Sandstone and interbedded shale.
193.7	205.2						Sandstone, wisp of black shale, bedding dip 85°S.
205.2	217.8						Sandstone as above.
217.8	229.5						Sandstone as before.
229.5	242.1						Sandstone as before.
242.1	254.4						Sandstone with wisps of black shale, bedding dip 88°N.
254.4	266.4						As above plus calcite and Qtz. veinlets.
266.4	278.9						Black shale, bedding dip 85°S.
278.9	286.0						Black shale.
286.0	291.0		7281				Barite zone, approx. 30% BaSO <sub>4</sub> elongated barite nodules in black shale, bedding dip 85°S.
291.0	295.0		7282				Barite zone, approx. 40% BaSO <sub>4</sub> barite as above.
295.0	301.0		7283				Barite zone approx. 20% BaSO <sub>4</sub> low grade scattered nodules of barite.
301.0	304.0		7284				Barite zone approx. 40% BaSO <sub>4</sub> elongated and laminated barite in black shale.

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Property: \_\_\_\_\_

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

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

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

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

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

[illegible]

Revised 2/21/79

## FANCY HILL - DIAMOND DRILL HOLES

INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
MDDH - 57					
7281	6800	286.0-291.0	5.0	3.195	35.5
7282		291.0-295.0	4.0	3.388	48.4
7283		295.0-301.0	6.0	3.125	30.4
7284		301.0-304.0	3.0	2.931	15.1
7285		304.0-310.0	6.0	2.987	19.8
7286		310.0-314.0	4.0	3.097	28.4
7287		314.0-318.0	4.0	3.035	23.6
7288		318.0-324.0	6.0	2.858	8.8
		Total	38.0		
		Weighted Average		3.070	26.31

41.42

21.19