

DRILL HOLE RECORD

Drill Hole No.: MH-117 Inclination: 62 N

Bearing:

Property: Fancy Hill Center Pit

Co-ordinates: North 628,087.09 East 1,452,372.82

Elevation: 1039.87

Date: August, 1978

Drilled By: Boyles Bro. Bob Kesty & Wayne Cole, Otis Brown

Logged By: Ferryl C. Gale and Ricky Deaton

Total Depth: 436.0 ft. Core 0.0-436.0

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
				Acid test Surveys			(Down Hole)
				Dip		AZ	
		Surface		62 N.		N.16 E.	
		100.0'		59 N.		"	
		200.0'		56 N.		"	
		300.0'		60 N.		"	
		400.0'		54 N.		"	
		436.0'		51 N.		"	
			T.D.	436.0 ft.			
0.0	10.0						Set casing (No core recovery)
10.0	23.0						Light gray fine grained sandstone, highly fractured fractures filled with qtz and calcite, minor limonite staining.
23.0	25.0						Gauge zone, clays and shales.
25.0	29.0						Light gray shales
29.0	31.7						Light gray sandstone, highly fractured.
31.7	42.0						Sandstone as above, locally highly broken and fractured.
42.0	53.1						Sandstone with lamina of black and gray shales.
53.1	64.7						Sandstone as before moderately fractures.
64.7	74.7						" " " " "
74.7	86.1						" " " " "
86.1	97.0						" " " " "

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DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
97.0	108.0						Sandstone with lamina of black shale occasionally.
108.0	119.0						Sandstone well cemented, high R.Q.D.
119.0	131.0						Sandstone, occasional black shale lamina, occasional qtz. and calcite veinlets.
131.0	142.0						As above.
142.0	153.0						" "
153.0	165.0						" "
165.0	175.0						" "
175.0	185.0						" "
185.0	197.0						" "
197.0	199.0						" "
199.0	210.0						As above, highly broken and fracture 10 ft. core loss. Occasional calcite and qtz. veinlets.
210.0	216.0						Highly broken sandstone (10 ft. core loss.)
216.0	220.7						Sandstone as before, well cemented high R.Q.D.
220.7	230.8						Sandstone as above.
230.8	242.2						" " "
242.2	253.5						" " " minor movement along bedding.
253.5	264.0						As above high R.Q.D.
264.0	276.0						" " " "

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FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
276.0	287.0						As above high R.Q.D.
287.0	298.0						" " " "
298.0	309.0						" " " "
309.0	321.0						" " " " locally interbedded lamina of black shale.
321.0	332.0						Dark gray sandstone, high R.Q.D. of sandstone grades into light gray color, strong calcite and qtz. vein.
332.0	342.0						As above.
342.0	352.0						Light gray sandstone, high R.Q.D., well cemented, very competent..
352.0	364.6						As above
364.6	368.8						Dark gray sandy shale.
368.8	375.8		7385				Barite zone approx. 40% BaSO ₄ , elongated nodules in blackshales.
375.8	378.0		7386				Barite approx. 15% BaSO ₄ .
378.0	382.0		7387				Barite zone approx. 15% BaSO ₄ . Bedding 83 S.
382.0	386.6		7388				" " " "
386.6	390.0		7389				" " " "
390.0	393.0		7390				" " " "
393.0	397.0		7391				" " " "
397.0	401.0		7392				" " " "

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[illegible]

FANCY HILL - DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULAT % BaSO ₄
MDDH 117					
7385	6500	368.8-375.8	7.0	3.426	50.75
7386		375.8-378.0	2.2	3.602	61.05
7387		378.0-382.0	4.0	3.634	62.82
7388		382.0-386.0	4.0	3.318	43.89
7389		386.0-390.0	4.0	3.115	29.70
7390		390.0-393.0	3.0	2.974	18.70
7391		393.0-397.0	4.0	2.939	15.81
7392		397.0-401.0	4.0	2.880	10.78
7393		401.0-403.0	2.0	2.847	7.87
7394		403.0-407.0	4.0	2.834	6.71
-		407.0-409.0	2.0	2.761	0.00
7395		409.0-410.0	1.0	2.836	6.89
		Total		41.2	
		Weighted Average		3.149	32.24

Bottom Hole coord 628, 305.32 1,452, 435.40 668.38