

Drill Hole No. MH-133 Fancy Hill

Date: July 24, 1979 (completed)

Bearing: N.22° E. Inclination: 55° N.

Drilled By: Boyles Bro. (Neil Brown, Wade Betts)

Coordinates: North 627,947.72 East 1,452,916.59

Logged By: Ferryl C. Gale

Elevation: 803.27

Total Depth: 319.0 ft. BX Core

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
					Eastman Camera Survey			
					Bearing			Dip
				Surface	N.22° E.			55° N.
				100.0	N.22° E.			53° 30' N.
				200.0	N.22° 30' E			49° 30' N.
				310.0	N.22° E.			44° N.
				319.0	N.22° E.			44° N.
0.0	10.0							Used bevel wall bit to set casing, highly weathered sandstone, tan color.
10.0	25.0							Began coring with BX bit, weathered sandstone, locally highly broken and fractured, occasional lamina of black shale.
25.0	41.0							Sandstone gray color, heavy limonite staining in fractures. 25.0 - 28.0 highly broken and fractured.
41.0	57.0							Light gray sandstone, thin lamina of gray shales.
57.0	71.0							Light gray sandstone, well cemented, competent
71.0	74.0							Black shale lens
74.0	86.0							Light gray sandstone, very competent high R.Q.D.
86.0	101.0							Medium grained sandstone, well cemented, high R.Q.D. Bedding dip at 100.0 ft. is 84° S.

Drill Hole No. MH-133

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Drilled By: _____

Coordinates: North _____ East _____

Logged By: _____

Elevation: _____

Total Depth: _____

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
101.0	117.0							Interbedded sandstone and shale
117.0	135.0							As above plus quartz and calcite veinlets
135.0	152.0							As above, black shale lens at 139.5 to
								144.5 Slicken sides 143.0 and highly broken.
152.0	169.0							Dominately sandstone, occasional black shale
								lamina.
169.0	184.0							As above, large marcasite bleb at 169.2 ft.
								sample taken for sulphur isotope analysis.
								Bedding dip at 182.0 ft. is 75°S.
184.0	198.0							Sandstone as above, numerous quartz and
								calcite veinlets and stringers. Sandstone well
								cemented, high R.Q.D.
198.0	213.5							Sandstone as above, with quartz and calcite
								veinlets.
213.5	228.0							Interbedded black shales and light gray medium
								to fine grained sandstone. Numerous wisps of
								black shale in the sandstone. High R.Q.D.
228.0	244.0							As above.
244.0	255.7							As above.
255.7	258.3		9530			3.419	50.3	Barite zone, medium grade barite, laminated
								barite.

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Elevation: _____

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DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES		DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO ₄	
258.3	262.1		9531		3,583	60.0	Barite zone, high grade massive barite, very large well developed nodules.
262.1	266.0		9532		3.757	69.3	Barite zone, massive barite high grade.
266.0	270.0		9533		3.702	66.5	Barite zone, massive barite high grade
270.0	274.0		9534		3.739	68.4	Barite zone, high grade, massive barite.
274.0	277.6		9535		3.489	54.6	Barite zone, laminated barite with black shale
277.6	281.3		9536		3.079	27.0	Barite zone, low grade, nodular type barite
281.3	285.6		9537		2.900	13.2	Barite zone, low grade scattered nodules
285.6	288.8		9538		2.893	11.9	Barite zone, low grade scattered nodules
288.8	294.0		9539		2.815	5.0	Barite zone, very low grade isolated scattered nodules.
294.0	296.9		9540		2.789	2.6	Barite zone, very low grade isolated scattered nodules.
296.9	305.0						Interbedded fine grained gray sandstone and black shale
305.0	318.5						As above bedding dip at 310.0 ft. is 8° S.
318.5	318.8						Gray clay gouge
318.8	319.0						Arkansas Novaculite upper member
				Total Depth	319.0		
				Bottomed on	Novaculite		

FANCY HILL - DIAMOND DRILL HOLES - PHASE II

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO ₄
MH-133					
9530		255.7-258.3	2.6	3.419	50.3
9531		258.3-262.1	3.8	3.583	60.0
9532		262.1-266.0	3.9	3.757	69.3
9533		266.0-270.0	4.0	3.702	66.5
9534		270.0-274.0	4.0	3.739	68.4
9535		274.0-277.6	3.6	3.489	54.6
9536		277.6-281.3	3.7	3.079	27.0
9537		281.3-285.6	4.2	2.908	13.2
9538		285.6-288.8	3.2	2.893	11.9
9539		288.8-294.0	5.2	2.815	5.0
9540		294.0-296.9	<u>2.9</u>	<u>2.789</u>	<u>2.6</u>
			41.1	3.29	41.80

FANCY HILL DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO ₄
MH-133					
9530		255.7	- 258.3		
9531		258.3	- 262.1		
9532		262.1	- 266.0		
9533		266.0	- 270.0		
9534		270.0	- 274.0		
9535		274.0	- 277.6		
9536		277.6	- 281.3		
9537		281.3	- 285.6		
9538		285.6	- 288.8		
9539		288.8	- 294.0		
9540		294.0	- 296.9		