

Drill Hole No. MH-107

Date: 5/8/79

Bearing: N. 42 E. Inclination: 52°N

Drilled By: Boyles Bro. Bob Kasty

Coordinates: North 626,9830 East 4,454,911.00

Logged By: Ferry/ C. Gale

Elevation: 1020.0

Total Depth: T.D. 270.0

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
0.0	20.0							Set casing, no sample recovered.
20.0	23.0							Buff tan sandstone, weathered heavy limonite staining in fractures.
23.0	34.0							Lt. gray fine grained sandstone, highly sheared locally, heavy limonite staining in fractures. Occasional very thin lenses of gray shale.
34.0	46.0							Sandstone as above with occasional wisps of black shale. Bedding dip 42.0'=62°S.
46.0	56.0							Sandstone as before, with leached fractures also fractures filled w/ qtz. Bedding dip 50' 68°S.
56.0	61.0							Sandstone as before.
61.0	65.5							Sandstone interbedded w/ black shales lamina.
65.5	69.0							Sandstone as before, sheared, qtz veinlets.
69.0	80.0							Sandstone as before, interbedded shale lenses. Occasional qtz veinlets, shear 73.0-73.5. Bedding dip at 74.2'=60°S.
80.0	91.0							Sandstone w/ interbedded lenses of black shale. Bedding dip at 85.0'=74°S.

Drill Hole No. MH-107

Date: 5/15/78

Bearing: _____ Inclination: _____

Drilled By: _____

Coordinates: North _____ East _____

Logged By: _____

Elevation: _____

Total Depth: _____

DEPTH FROM	TO	% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
					Sp. Gr.	BaSO ₄		
91.0	102.0							Sandstone as before. Bedding dip 101'=75°S.
102.0	114.0							Sandstone as before, occasional qtz. veinlet, occasional lenses of black shale. Bedding dip at 113.0' is 73°S. Shear zone 111.0-111.5, 1.0' core loss.
114.0	125.8							Sandstone as before well cemented occasionally qtz stringers & veinlets.
125.8	128.2							Black shale, thin lamina of gray sandstone occasionally grades into gray sandstone.
128.2	137.0							Gray sandstone as before, scattered qtz veinlets. Bedding dip 72°S.
137.0	148.0							Sandstone as before, occasional qtz. veinlets & thin lenses of black shale.
148.0	158.0							Sandstone as before. 157.0 bedding dip 65°S.
158.0	169.0							Sandstone as before occasional wisps and lenses of black shale. Bedding dip 70S at 165'.
169.0	176.0							Sandstone as before
176.0	180.0							Black shale, brecciated slicken sides. Very carbon rich.
180.0	191.0							Sandstone as before, black shale lenses occasionally. (Fault or shear zone 189.5-190.5)

Drill Hole No. MH-107

Date:

Bearing: Inclination:

Drilled By:

Coordinates: North East

Logged By:

Elevation:

Total Depth:

DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO ₄		
191.0	204.5							Sandstone as before, (black shale lamina interbedded w/ gray sandstone 196.0-197.5)
								202.0-204.5 shear zone in carbon rich black shale & sandstone, qtz & calcite present in fractures.
204.5	213.0							Sandstone as before, locally black due to influence of black shale.
213.0	220.0							Gray sandstone as before
220.0	226.2							Gray sandstone as before plus many strong qtz stringers & veinlets.
226.2	227.2		2950	1.0'				Barite zone, sandstone w/ barite cement & small nodules of barite. low grade approx. 5% BaSO ₄ .
227.2	230.0							Sandstone as before w/ very thin veinlets of qtz & calcite.
230.0	232.2		2865	2.2'				Barite zone, low grade, approx. 5% BaSO ₄ , gray sandstone & interbedded gray shales. gnarled bedding.
232.2	234.0							Gray fine-grained sandstone as before.
234.0	237.5		2866	3.5'				Barite zone, Med grade approx 40% BaSO ₄ , very gnarled bedding.

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Logged By: _____

Elevation: _____

Total Depth: _____

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
237.5	240.2		2867					Barite zone, med grade approx 50% BaSO ₄ , very gnarled bedding.
240.2	244.4		2868	4.2'				Barite zone, med grade approx 40% BaSO ₄ , locally claystone cemented w/ barite, nodular barite throughout sample.
244.4	247.0							Heavy qtz blebs, a shear zone, recemented w/ qtz some fracture rich in carbon w/ presence of slicken sides. Several barite nodules scattered in this shear zone. The thickness of this barite zone as compared w/ MH-106 the one above it, is much narrower. This may be due to faulting or shearing.
247.0	260.0							Interbedded gray & black shales w/ numerous qtz & calcite veinlets.
260.0	268.8							Gray fine grained sandstone w/ very small fractures filled w/ carbon, locally carbon rich lamina. At the contact rock has been altered to a clay.
268.8	270.0							Arkansas Novaculite.
								Bottom on Arkansas Novaculite.

DRILL HOLE LOG

Drill Hole No. MH-107

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Elevation: _____

Total Depth: _____

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FANCY HILL - DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO ₄
MDDH 107					
2950	4100	226.2-227.2	1.0	2.799	3.52
-	-	227.2-230	2.8	2.761	0.00
2865	4101	230-232.2	2.2	2.779	1.66
-	-	232.2-234	1.8	2.761	0.00
2866	4102	234-237.5	3.5	3.124	30.37
2867	4103	237.5-240.2	2.7	3.144	31.84
2868	4104	240.2-244.4	4.2	3.128	30.66
		Total	18.2		
		Weighted Average		2.977	18.92