

Drill Hole No. MI-92

Date: 4-25-79

Bearing: Fancy Hill Inclination: _____

Drilled By: Boyles Brothers (Ricky Deaton)

Coordinates: North 628,624.58 East 1,450,810.86

Logged By: Ferryl C. Gale

Elevation: 1,069.33

Total Depth: 437.0

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
					Eastman Camera Survey			
					Bearing			Dip
				Surface	N.26°E.			58°N.
				125.0'	N.24°30'E.			56°30'N.
				225.0'	N.24°30'E.			54°N.
				325.0'	N.25°30'E.			50°45'N.
				425.0'	N.25°30'E.			49°30'N.
				437.0'	N.25°30'E.			49°30' N.
0.0	21.0							Set casing with bevell wall bit, tan color, highly weathered sandstone.
21.0	26.0							Begin BX coring, tan leached and bleached sandstone.
26.0	34.0							Light gray sandstone
34.0	69.0							Sandstone, highly broken micro fractures filled with manganese pyrolucite (11.0 foot core loss)
69.0	84.0							Light sandstone, high R.Q.D. 78.0-84.0 shear zone, highly fractured.
84.0	98.0							Sandstone High R.Q.D., locally fractured.
98.0	112.0							Sandstone, high R.Q.D.
112.0	126.0							Sandstone as above, bedding dip at 125.0' is 78°S.

Minor movement 113 bedding slickensides.

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FROM	TO				Sp. Gr.	BoSO ₄		
126.0	141.0							Light gray sandstone.
141.0	154.0							As above, high fractured broken 146.-148.
154.0	169.0							Sandstone as before, high R.Q.D.
169.0	183.0							Sandstone with occasional black shale lamina
183.0	198.0							Sandstone with occasional black shale lamina
198.0	212.0							Interbedded black shales and gray sandstone.
212.0	226.0							Sandstone with occasional black shale lamina,
								bedding dip at 223.0 is 78°S.
226.0	241.0							Sandstone with high R.Q.D.
241.0	256.0							Sandstone with wisps of black shale, high R.Q.D.
256.0	271.0							Sandstone, with high R.Q.D.
271.0	301.0							Sandstone as before, 293-294.5 black shale, large
								marcasite bleb, taken for sulfur isotope analysis
301.0	316.0							Sandstone as above, black shale 313-316
316.0	330.0							Dark gray sandstone, bedding dip at 324.0 is 86°S.
								High R.Q.D.
330.0	344.0							Sandstone, gnarled bedding
344.0	359.0							As above
359.0	374.0							As above, qtz. and calcite veinlets 359-361.0
374.0	383.0							Sandstone, with black shale lamina

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DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
383.0	385.2		9852		3.182	34.6		Barite zone, low grade, scattered nodules of barite in black shales.
385.2	387.6		9853		3.113	29.6		Barite zone, low grade, scattered nodules of barite in black shles.
387.6	389.1		9854		3.421	50.4		Barite zone, medium grade barite.
389.1	390.0		9855		2.941	16.0		Barite zone, low grade
390.0	396.2		9856		3.124	30.4		Barite zone, low grade
396.2	398.7		9857		3.128	30.7		Barite zone, low grade
398.7	404.0							Sandstone and Black Shale
404.0	407.8							Shale and Sandstone
407.7	410.0		9558		3.052	24.9		Barite zone, low grade
410.0	414.2		9859		2.98	19.2		Barite zone, low grade
414.2	418.0		9860		2.908	13.2		Barite zone, low grade
418.0	435.0							Black and gray shales, bedding dip at 425.0 is 86°S.
435.0	436.8							Goagh
436.0	437.0							Arkansas Novaculite

FANCY HILL DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO ₄
#92					
9852		383.0-385.2	2.2	3.182	34.6
9853		385.2-387.6	2.4	3.113	29.6
9854		387.6-389.1	1.5	3.421	50.4
9855		389.1-390.0	0.9	2.941	16.0
9856		390.0-396.2	6.2	3.124	30.4
9857		396.2-398.7	2.5	3.128	30.7
			<u>15.7</u>		<u>32.23</u>
9858		407.7-410.0	2.3	3.052	24.9
9859		410.0-414.2	4.2	2.98	19.2
9860		414.2-418.0	3.8	2.908	13.2
			<u>10.3</u>		
				<u>2.970</u>	<u>18.34</u>

Barite Intervals for MH-92

<u>Sample#</u>	<u>Footage</u>	<u>%BaSO4</u>	<u>Specific Gravity</u>
9852	383.0-385.2		
9853	385.2-387.6		
9854	387.6-389.1		
9855	389.1-390.0		
9856	390.0-396.2		
9857	396.2-398.7		
9858	407.7-410.0		
9859	410.0-414.2		
9860	414.2-418.0 (1' Lost Core)		