

Drill Hole No. MH-69  
 Bearing: N. 20° E. Inclination: 60° N.  
 Coordinates: North 627,402.402 East 1,453,719.177  
 Elevation: 1003.2

Date: January, 1979  
 Drilled By: Boyles Brothers  
 Logged By: Ferryl C. Gale  
 Total Depth: 424.0 NX Core

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
					Acid test survey			
				Surface	Dip	AZ		
				100	60° N.	N. 20° E.		
				200	59° N.	N. 20° E.		
				300	58° N.	N. 20° E.		
				400	53° N.	N. 20° E.		
				424	53° N.	N. 20° E.		
0.0	16.0							Started coring from surface weathered sandstone, slicken sides at 15.0'
16.0	32.0							Light gray sandstone and wisps of black shale.
32.0	41.0							Black shale, occasionally strong stringers of quartz.
41.0	54.0							Gray sandstone with numerous veinlets of qtz.
54.0	66.0							Light gray sandstone, high R.Q.D. brecciated at 58.0'
66.0	76.0							Light gray sandstone, high R.Q.D.
76.0	87.0							As above.
87.0	98.0							As above with abundant qtz. veinlets
98.0	110.0							As above.

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

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

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

DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES		DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO <sub>4</sub>	
110.0	121.0						Sandstone as above.
121.0	132.0						Sandstone as above.
132.0	143.0						Sandstone with strong qtz. stringers.
143.0	154.0						As before.
154.0	165.0						Gray sandstone with wisps of black shale.
165.0	176.0						As before.
176.0	187.0						As before.
187.0	198.0						Sandstone, high R.Q.D.
198.0	210.0						As above with occasional wisps of black shale.
210.0	222.0						Sandstone, high R.Q.D.
222.0	232.0						Sandstone, high R.Q.D.
232.0	244.0						Light gray sandstone, well cemented, high R.Q.D.
244.0	255.0						As before.
255.0	266.0						Sandstone as before, occasional qtz. and calcite stringers, 264.0 large marcasite bleb sample take for sulfur isotope study.
266.0	277.0						As above, high R.Q.D.
277.0	288.0						As above, high R.Q.D.

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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 <sub>4</sub>		
288.0	299.0							As above high R.Q.D.
299.0	310.0							Sandstone as before, large marcasite bleb
								at 300.0' strong calcite stringer at 305.0-307.0.
310.0	320.0							Interbedded black shale and gray sandstone.
320.0	332.0							Sandstone with wisps of black shale.
332.0	343.0							Sandstone, high R.Q.D.
343.0	349.0							Sandstone as before.
349.0	354.3							Sandstone dark gray, black shale lamina in
								abundance.
354.3	357.0		7314	2.7	3.450	52.22		Barite zone, medium grade barite, nodular to
								massive.
357.0	361.0		7315	4.0	3.719	67.36		Barite zone, massive barite high grade.
361.0	365.0		7316	4.0	3.606	61.28		Barite zone, high grade massive to laminated
								with black shale.
365.0	369.0		7317	4.0	3.530	56.96		Barite zone, medium grade barite, laminated
								shale and barite.
369.0	372.5		7318	3.5	3.351	46.03		Barite zone, medium grade laminated as before.
372.5	375.6		7319	3.1	3.628	62.49		Barite zone, high grade massive to heavy
								lamine with black shale.
375.6	379.2		7320	3.6	3.330	44.67		Barite zone, medium grade nodular barite
								in black shale.

## Date: \_\_\_\_\_

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

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

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

10/77

## Barite Intervals for MH-69

<u>Sample</u>	<u>Footage</u>	<u>%BaSO<sub>4</sub></u>	<u>Specific Gravity</u>
7314	354.3-357.0		
7315	357.0-361.0		
7316	361.0-365.0		
7317	365.0-369.0		
7318	369.0-372.5		
7319	372.5-375.6		
7320	375.6-379.2		
7321	379.2-381.7		
7322	381.7-387.0		
7323	387.0-390.2		

## FANCY HILL - DIAMOND DRILL HOLES - PHASE I

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
MH-69					
7314		354.3-357	2.7	3.450	52.22
7315		357-361	4.0	3.719	67.36
7316		361-365	4.0	3.606	61.28
7317		365-369	4.0	3.530	56.96
7318		369-372.5	3.5	3.351	46.03
7319		372.5-375.6	3.1	3.628	62.49
7320		375.6-379.2	3.6	3.330	44.67
7321		379.2-381.7	2.5	2.804	3.98
7322		381.7-387	5.3	2.839	7.15
7323		387-390.2	<u>3.2</u>	2.837	6.97
		Total	35.9		
		Weighted Average		3.310	43.37

Bottom Hole corals 627.621.95 1,453 799.08 649.71