

DRILL HOLE LOG

Drill Hole No. MH-90 BX

Date: 4-15-79

Bearing: N. 26° E. Inclination: 30° N.

Drilled By: Boyles Bro. (Wade Betts, Jr. Miller)

Coordinates: North 628,629.53 East 1,450,813.51

Logged By: Ferryl C. Gale

Elevation: 1,069.39

Total Depth: 226.0' BX Core

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
					Survey		Tro Pari	
					Bearing		Dip	
				Surface	N. 26° E.		30° N.	
				70.0	N. 26° E.		29° N.	
				140.0	N. 26° E.		29° N.	
				226.0	N. 26° E.		27° N.	
				Total Depth	226.0'			
0.0	5.0							Set casing, tan weathered sandstone
5.0	10.0							Weather leached tan sandstone.
10.0	23.0							Gray fine grained sandstone, fractures contain heavy limonite staining.
23.0	35.0							Sandstone with occasional wisps of black shale.
35.0	47.0							As above.
47.0	60.0							Interbedded gray sandstone and black shale.
60.0	72.0							Gray sandstone, very competent. High R.Q.D.
72.0	84.0							Sandstone as above.
84.0	96.0							Sandstone with occasional black shale lamina, bedding dip is 83° S. at 90.0'
96.0	108.0							Sandstone high R.Q.D.
108.0	120.0							Sandstone with lenses and lamina of black shale.
120.0	132.0							Sandstone as above.

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FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
132.0	144.0							Sandstone with wisps of black shale.
144.0	156.0							Sandstone with black shale lenses.
156.0	170.0							As above.
170.0	172.2							As above.
172.2	177.1		9784		3.211	36.63		Barite zone, nodular barite low grade, host rock ^{black} shale.
177.1	184.1		9785		3.408	49.64		Barite zone, medium grade barite, laminated barite.
184.1	187.5							Dark gray sandstone interbedded with black shale.
187.5	190.7		9786		3.566	59.03		Barite zone, massive to laminate barite, high grade.
190.7	194.5		9787		3.72	67.42		Barite zone, high grade, massive barite.
194.5	198.0		9788		3.954	78.91		Barite zone, massive barite, high grade.
198.0	201.0		9789		3.764	69.69		Barite zone, high grade massive to laminated with black shale.
201.0	202.0		9790		3.106	29.028		Barite zone, low grade nodular barite abundant black shale.
202.0	205.2		9791		3.636	62.93		Barite zone, high grade massive barite laminate with thin lamina of black shales.
205.2	209.0		9792		3.274	40.96		Barite zone, medium grade laminated with black shale and nodules.
209.0	212.5		9793		3.008	21.45		Barite zone, low grade barite, scattered nodules .

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[illegible]

FANCY HILL DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO ₄
MDDH-90					
9784		172.2-177.1	4.9	3.211	36.63
9785		177.1-184.1	7.0	3.408	49.638
9786		187.5-190.7	3.2	3.566	59.030
9787		190.7-194.5	3.8	3.720	67.416
9788		194.5-198.0	2.5	3.954	78.909
9789		198-201.0	3.0	3.764	69.687
9790		201.0-202.0	1.2	3.106	29.028
9791		202.2-205.2	3.0	3.636	62.930
9792		205.2-209.0	3.8	3.274	40.962
9793		209.0-212.5	3.5	3.008	21.450
		Total	35.9		
		Weighted Average		3.452	52.33

Barite Intervals for MH-90

<u>Sample No.</u>	<u>Footage</u>	<u>%BaSO4</u>	<u>Specific Gravity</u>
9784	172.2-177.1		
9785	177.1-184.1		
9786	187.5-190.7		
9787	190.7-194.5		
9788	194.5-198.0		
9789	198.0-201.0		
9790	201.0-202.2		
9791	202.2-205.2		
9792	205.2-209.0		
9793	209.0-212.5		