

DRILL HOLE RECORD

Drill Hole No. MH-55 Inclination: 48 $\frac{1}{2}$ °NDate: 10-23-78Bearing: N. 40 E.Drilled By: Boyles Bros. Vest & BettsProperty: Fancy HillLogged By: Ferryl C. GaleCo-ordinates: North 626,394.13 East 1,456,276.94Elevation: 918.44Total Depth: 155.0 Core 0.0 - 155.0

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
0.0	3.0						Set casing, no core recovery.
3.8	8.0						Highly broken, sandstone, highly weathered to buff color, occasional calcite filled fracture.
8.0	16.0						Brecciated, angular fragments of sandstone cemented with Pyrolucite (MN ₂) strong calcite veinlets parallel with core, strong fault splitting core down the middle from about 10.0 -14.0 (East to West Fault).
16.0	27.0						Light gray sandstone, highly broken and fractured, thin lamina of black shale, veinlets of qtz. and calcite, bedding dip at 25.0 ft. is 72°S.
27.0	38.0						Sandstone as above, well cemented, very competent. Bedding dip at 36.0 ft. is 75°S.
38.0	49.0						Sandstone as above, occasional lenses of black shale.
49.0	60.0						Sandstone as above, bedding dip at 55.0 ft. is 78°S.
60.0	71.0						As above, locally gnarled bedding. Bedding dip at 62.0 ft. is 75°S.
71.0	82.0						Sandstone as above, very well cemented. Bedding dip at 72.0 ft. is 80°S.
82.0	93.0						Sandstone as before, fracture striking approx. N. 30°W.
93.0	104.0						Sandstone as before, numerous small qtz. veinlets.

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FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
							Bedding dip at 95.0 ft. is 88°S., fractures at 100.0-101.0 indicate fault striking east to west.
104.0	114.0						Interbedded gray sandstone and black shale. Bedding dip at 110.0 ft. is 84°S.; 104.0 to 104.6 scattered barite nodules. Barite very weak.
114.0	119.0		7263	114.0 = 1.626, 45 2.19 Elev = 833.27			Barite zone, approx. 40% BaSO ₄ medium grade. Laminated barite in black shale.
119.0	122.0		7264				Barite zone, approx. 40% BaSO ₄ nodular barite in black shale. Bedding dip at 121.0 ft. is 76°S.
122.0	126.0		7265				Barite zone, approx. 50% BaSO ₄ nodular barite. Bedding dip at 123.0 ft. is 78°S.
126.0	129.0		7266				Barite zone, approx. 40% BaSO ₄ nodular, Bedding dip at 128.0 ft is 77°S.
129.0	134.0		7267				Barite zone, approx. 30% BaSO ₄ large, but sparse nodules with barite in black shale.
134.0	137.0		7268				Barite zone, approx. 50% BaSO ₄ laminated and nodular barite. Bedding dip at 135.0 ft. is 82°S.
137.0	144.0		7269				Barite zone, approx. 40% BaSO ₄ laminated barite with black shale.
144.0	147.0		7270				Barite zone, approx. 40% barite. Bedding dip at 145.0 is 72°S

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Elevation: _____

Total Depth: _____

[illegible]

Xc: Rod Haper 10-23-78

Milchem Incorporated

INTEROFFICE MEMORANDUM

TO: Bruce Templeton

DATE: October 19, 1978

FROM: Ferryl Gale

SUBJECT: Core Samples From
MH-55

CC: File

<u>Sample No.</u>	<u>Footage</u>	<u>Specific Gravity</u>	<u>% Barite</u>
7263	114.0 - 119.0		
7264	119.0 - 122.0		
7265	122.0 - 126.0		
7266	126.0 - 129.2		
7267	129.2 - 134.0		
7268	134.0 - 137.0		
7269	137.0 - 144.0		
7270	144.0 - 147.0		
7271	147.0 - 152.8		

MINERAL DIV

OCT 23 1978

HOUSTON TEX

FANCY HILL - DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO ₄
MH - 55					
7263		114.0-119.0	5.0	3.318	43.9
7264		119.0-122.0	3.0	3.358	46.5
7265		122.0-126.0	4.0	3.470	53.4
7266		126.0-129.2	3.2	3.098	28.4
7267		129.2-134.0	4.8	3.167	33.5
7268		134.0-137.0	3.0	3.214	36.8
7269		137.0-144.0	7.0	3.354	46.2
7270		144.0-147.0	3.0	3.295	42.4
7271		147.0-152.8	5.8	2.871	10.0
		Total	38.8		
		Weighted Average		3.230	37.94