

Drill Hole No. MH-29 NOT SURVEYED WITH TROPAD

Date: 11/29/77

Bearing: N 26 E Inclination: 73°N

Drilled By: Boyles Bro. Ralph Jex

Coordinates: North 629,438.16 East 1,449,188.03 (7/13/79)

Logged By: Ferry C. Gale

Elevation: 1167.86

Total Depth: 268.1 Air rotary 0.0-175.0
Core 175.0-268.1

DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES		DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO ₄	
0.0	5.0	0					No sample, casing in hole
5.0	10.0	65%	-10	5.0'			Lt. orange, colluvium, iron stained shales.
10.0	15.0	65%	-15	5.0'			Dark orange, colluvium weathered to clays, iron stained shales.
15.0	20.0	65%	-20	5.0'			Dark tan colluvium, iron stained shales.
20.0	25.0	65%	-25	5.0'			" " " "
25.0	30.0	65%	-30	5.0'			" " " "
30.0	35.0	65%	-35	5.0'			Dark tan colluvium grading into gray clays.
35.0	40.0	65%	-40	5.0'			Lt. gray shales, carbonaceous, silty shales fine grained dissiminated marasite.
40.0	45.0	65%	-45	5.0'			" " " "
45.0	50.0	65%	-50	5.0'			Lt. gray clays & shales.
50.0	55.0	65%	-55	5.0'			" " " "
55.0	60.0	65%	-60	5.0'			Lt. gray clays & shales, fine grained diss. pyrite.
60.0	65.0	65%	-65	5.0'			Lt. gray clays & shales.
65.0	70.0	65%	-70	5.0'			Lt. gray clays & shales, sandy
70.0	75.0	65%	-75	5.0'			Lt. gray shales, presence of hard compacted spears of shale.
75.0	80.0	65%	-80	5.0'			Lt. gray shales, fine diss. pyrite.

Bottom hole corode

629,508.55

1,449,222.40

911.48

10/77

Drill Hole No. MH-29

Date: 11/29/77

Bearing: N 26 E Inclination: 73°N

Drilled By:

Coordinates: North East

Logged By:

Elevation:

Total Depth:

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
80.0	85.0	65%	-85	5.0'				Lt. gray shales & clays.
85.0	90.0	65%	-90	5.0'				" " "
90.0	95.0	65%	-95	5.0'				" " "
95.0	105.0	70%	-105	10.0'				Lt. gray sandy shale interbedded with gray shale, siss. pyrite. 105-120-con- cretion black nodules ? low grade barite.
105.0	110.0	65%	-110	5.0'				Lt. gray shales, with sandy shale lenses, carbonaceous, graphitic concretion (low grade)
110.0	115.0	65%	-115	5.0'				" " " "
115.0	120.0	65%	-120	5.0'				" " " "
120.0	125.0	65%	-125	5.0'				" " " "
125.0	130.0	65%	-130	5.0'				Lt. gray shales & clays.
130.0	135.0	65%	-135	5.0'				" " " "
135.0	140.0	65%	-140	5.0'				" " " "
140.0	145.0	65%	-145	5.0'				" " " "
145.0	150.0	65%	-150	5.0'				" " " "
150.0	155.0	65%	-155	5.0'				" " " "
155.0	160.0	65%	-160	5.0'				" " " "
160.0	165.0	65%	-165	5.0'				" " " "

Drill Hole No. MH-29

Date: 11/29/77

Bearing: N 26 E Inclination: 73°N

Drilled By: _____

Coordinates: North _____ East _____

Logged By: _____

Elevation: _____

Total Depth: _____

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
165.0	175.0	65%	-175	10.0				Lt. gray shales & clays
175.0								Rotary to 175.0. Possibility of heavily fractured zone or fault, this may account for the water in the hole. (Driller indicated that from 170.0-175.0 there was alternating soft and hard zones) This area of fracturing should be projected to surface to see if there is any correlation with surface geology.
175.0	186.2			11.2'				Gray sandstone, fine grained, mottled locally by light gray lenses and dark lamina of shale. Shale lamina not exceeding 2 cm. in width. Bedding dip 64°S. locally very friable. At 183.0 becoming fine to medium grained. (Box 2)
186.2	199.0			12.8				Gray silty shale, with lenses of fine-grained sandstone (2cm in width) Pyrite weak filling some fractures (194.0 bedding dip 68°S) gypsum filling some thread fractures, wisps of shale locally.

Drill Hole No. MH-29

Bearing: N 26 E Inclination: 73°N

Coordinates: North _____ East _____

Elevation: _____

Date: 11/30/77

Drilled By: _____

Logged By: _____

Total Depth: _____

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
199.0	202.0	80%		3.0'				Fine grained gray sandstone. Very friable, individual clasts have orange iron oxide staining.
202.0	202.5	75%		.5'				Black carbonaceous shale, containing barite, by replacement, weak dissiminated pyrite. Barite zone.
202.5	213.0	95%						High grade Barite, app. 90%, individual barite nodules and barite forming lamina. Small threads of shale interbedded with Barite lamina. (bedding of Barite dipping 73°S). Med. to High grade 208.0-213 75% BaSO ₄ .
213.0	213.8	20%						Gray silty shale with carbonaceous fragments
213.8	214.8	95%						Med. to hi grade barite 60%. Isolated scattered nodules of barite in gray shale.
214.8	219.0							High grade, app 90% BaSO ₄ . Nodules with threads of shale along bedding plane. Some gypsum has filled thread size fractures locally. Bedding dipping 80°S.
XXXXXX	XXXXXX							
XXXXXXXXXXXX								

Drill Hole No. MH-29

Date: 12/5/77

Bearing: N 26 E Inclination: 73°N

Drilled By: _____

Coordinates: North _____ East _____

Logged By: _____

Elevation: _____

Total Depth: _____

DEPTH		%	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY			Sp. Gr.	BaSO ₄		
219.0	219.6	50%						Gray black shale, with scattered nodules of barite app. 2 mm-4 mm in size. (very highly decomposed shale) Weak fine grained disseminated pyrite.
219.6	225.0	70%						Black shale, very fine grained, carbonaceous shale has been decomposed to 50% clays.
225.0	226.0	80%						Fine to med. grained gray sandstone, individual clasts are visible with orange iron oxide, weak disseminated pyrite.
226.0	236.5	70%						Black shale, some of the shales have been decomposed to clays, weak diss. pyrite.
236.5	237.0							Barite stringer, scattered nodule of barite from 2mm-4mm in width. Low grade app 15%
237.0	241.5							Black shale, carbonaceous, very highly decomposed to black clays 50%.
241.5	243.3	90%						Gray shales, fine grained mottled with lt. colored clays & shales. last 0.3 of foot is interbedded with black shales.
243.3	249.0							Black shales, carbonaceous, poorly cemented decomposed to 50% clays.

DRILL HOLE LOG

Drill Hole No. MH-29

Date: 15/5/77

Bearing: N 26 E Inclination: 73°N

Drilled By: _____

Coordinates: North _____ East _____

Logged By: _____

Elevation: _____

Total Depth: _____

[illegible]

Samples Sent to Houston

MH-29

<u>Sample</u>	<u>Footage</u>	<u>Sp. Gravity</u>	<u>% Barite</u>
MH-29-2728	202.5-205.3		
29-2729	205.3-209.0		
29-2731	215.7-219.0		
29-2730	209.0-215.7		

FANBY 2 - DIAMOND RILL HOLES - CASE I

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO ₄
MDDH-29					
#2728	1400	202.5-205.0	2.5	3.526	56.73
2729	1401	205.0-209.0	4.0	3.523	56.56
2730	1402	209.0-215.7	6.7	3.585	60.10
2731	1403	215.7-219.0	3.3	3.731	67.99
		Total	16.5		
		Weighted Average		3.590	60.40