

Drill Hole No. MDDH-27

Date: 11/17/77

Bearing: N 30°E Inclination: 40°N

Drilled By: Boyles Bros: Ralph Jex

Coordinates: North 629,138.14 East 1,449,859.72

Logged By: Lynn A. Burton

Elevation: 1147.15

Rotary 0-80.0

Total Depth: 106.0' Core 80.0-106.0

DEPTH FROM TO	% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
				Sp. Gr.	BaSO <sub>4</sub>		
0.0 5.0	-	-	-				Colluvium, no sample.
5.0 10.0	75%	-10	5.0'				Colluvium, clays buff, red, brown w/ surface material.
10.0 15.0	95%	-15	5.0'				Clay, buff w/ reds & browns, sandy appearance.
15.0 20.0	95%	-20	5.0'				Buff clay, sandy texture.
20.0 25.0	95%	-25	5.0'				Buff clay w/ pinkish overtones.
25.0 30.0	95%	-30	5.0'				Buff clay w/ pinkish overtones.
30.0 35.0	95%	-35	5.0'				Buff clay turning gray w/ pink overtones.
35.0 40.0	95%	-40	5.0'				Buff clay turning gray w/ pink overtones.
40.0 45.0	95%	-45	5.0'				Buff to gray shale & clay turning darker w/ depth.
45.0 50.0	95%	-50	5.0'				Gray to lt. black shale & clay, possibly trace barite @ end.
50.0 55.0	90%	-55	5.0'				Gray to black shale w/ possible thin isolated nodule bed.
55.0 60.0	90%	-60	5.0'				" " " " " " " "
60.0 65.0	90%	-65	5.0'				Gray shale w/ nodules, (<20%) of barite.
65.0 70.0	85%	-70	5.0'				Lt. gray shale, no evidence of barite nodules.
70.0 75.0	80%	-75	5.0'				Lt. gray shale w/ poss. isol. nod. of barite.

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Coordinates: North                      East                     

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Elevation:                     

Total Depth: 106

DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO <sub>4</sub>		
75.0	80.0	80%	-80	5.0'				Lt. gray shale w/ no evidence of nodules.
80.0								Begin coring.
80.0	86.2			6.2'				Gray shale with disseminated pyrite
								fryable, color grading to blackish gray
								shale and more broken at closer to
								barite contact.
86.2	88.2			2.0'				Barite contact. Dense barite nodules
								86.0'=bedding dipping 73°S.
88.2	88.5			.3'				Black shale w/ disseminated pyrite
88.5	89.0	50%		.5'				Dense Barite nodules.
								Bedding dip 70°S
89.0	90.0	50%		1.0'				Black shale w/ pyrite and few isolated
								nodules of Barite.
90.0	94.0							Dense Barite nodules, w/ pyrite along
								bedding planes, small intervals of shale.
								no more than 2 mm. in width.
94.0	97.0							Black shale, w/ isolated Barite nodules.
97.0	100.5	95%		3.5'				Black shales, very finely bedded.
100.5	105.8							Gray shales interbedded with black shales.
								Bedding dip 63°S.

# DRILL HOLE LOG

Drill Hole No. MDDH-27

Date: 11/22/77

Bearing: N 30 E Inclination: 40 N

Drilled By: Boyles Bros: Ralph Jex

Coordinates: North \_\_\_\_\_ East \_\_\_\_\_

Logged By: Lynn Burton, Ferryl C. Gale

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

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

[illegible]

FANCY HILL - DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO <sub>4</sub>
MDDH 27					
2724	1300	86.0-87.5	1.5	3.814	72.20
2725	1301	87.5-97.0	4.5	3.904	76.57
2726	1302	92.0-95.0	3.0	3.887	75.76
2727	1303	95.0-97.5	2.5	3.001	20.89
		Total	11.5		
		Weighted Average		3.69	65.91

# Samples Sent to Houston

MH-27

Sample

Footage

Specific  
Gravity

MH-27-2724

86.0-87.5

27-2725

87.5-92.0

27-2726

92.0-95.0

27-2727

95.0-97.5