

Drill Hole No. MH-49

Bearing: N. 30° E. Inclination: 50° N.

Coordinates: North 626,180.14 East 1,456,748.0

Elevation: 952.0

Date: August, 1978

Drilled By: Boyles Bro. Leon Reeves and Ricky Deaton
Jim McCall and Wade Betts

Logged By: Ferryl C. Gale

Total Depth: 240.0 NX Core 0.0 - 240.0

DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES		DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO ₄	
				Acid Survey Down	Hole		
				Dip	AZ		
			Surface	50° N.	N.30° E.		
			110.0'	48° N.	N.30° E.		
			223.0'	48° N.	N.30° E.		
			240.0'	46° N.	N.30° E.		
0.0	10.0						Set casing, no core recovery, highly weathered sandstone.
10.0	20.0						Highly weathered sandstone tan color
20.0	30.0						Light gray sandstone, interbedded with lamina of black shale, heavy limonite staining in fractures.
30.0	40.0						Sandstone, well cemented high R.Q.D.
40.0	50.0						Sandstone, high R.Q.D. thin shale lamina.
50.0	60.0						Interbedded sandstone and shales.
60.0	70.0						Gray sandstone with black shale lamina.
70.0	80.0						Interbedded black shale and gray sandstone, bedding dip at 75.0ft. is 71° S.
80.0	90.0						Gray sandstone, well cemented high R.Q.D.
90.0	100.0						As above.

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FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
100.0	110.0							As above, very competent sandstone.
110.0	120.0							Sandstone with thin black shale lamina.
120.0	130.0							Interbedded black shale and sandstone.
130.0	140.0							Gray sandstone, thin lamina of black shale.
140.0	150.0							Gray sandstone, thin black shale lamina, high R.Q.D.
150.0	160.0							Interbedded black shale and gray shale and minor sandstone.
160.0	170.0							Gray sandstone, with high R.Q.D.
170.0	180.5							Gray sandstone, as before
180.5	182.5		7214		2.80	3.61		Barite zone, low grade occasional barite nodule is gray sandstone.
182.5	191.0							Gray shaley sandstone.
191.0	191.3		7215		2.781	1.85		Barite zone, isolated barite nodules.
191.3	195.0		7216		-	-		Interbedded gray sandstone and gray shales.
195.0	198.0		7217		3.057	25.30		Barite zone, scattered barite nodules in black shales.
198.0	201.8		7218		3.607	61.33		Barite zone, high grade massive barite in black shale.
201.8	206.0		7219		3.689	65.78		Barite zone, high grade massive barite.
206.0	210.0		7220		3.447	52.04		Barite zone, medium to high grade.
210.0	212.8		7221		3.018	22.25		Barite zone, low grade scattered nodules.
212.8	219.3		7222		2.841	7.33		Barite zone, low grade isolated nodules

DRILL HOLE LOG

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Logged By: _____

Elevations _____

Total Depth: _____

[illegible]

FANCY HILL - DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO ₄
MDH 49					
7214	5700	180.5-182.5	2.0	2.800	3.61
7215	5701	191.0-191.3	0.3	2.781	1.85
7217	5703	195.0-198.6	3.6	3.057	25.30
7218	5704	198.6-201.8	3.2	3.607	61.33
7219	5705	201.8-206.0	4.2	3.689	65.78
7220	5706	206.0-210.0	4.0	3.447	52.04
7221	5707	210.0-212.8	2.8	3.018	22.25
7222	5708	212.8-219.3	6.5	2.841	7.33
7232	5709	219.3-223.0	3.7	3.042	24.13
7233	5710	223.0-225.0	2.0	3.169	33.65
-	-	225.0-225.8	0.8	2.761	0.00
7235	5711	225.8-229.8	4.0	2.997	20.57
		Total	37.10		
		Weighted Average		3.153	32.48

Bottom hole corings 626, 317.57 1,456, 828.60

769.99