

DRILL HOLE LOG

Drill Hole No. MH-50

Date: August, 1978

Bearing: N.30°E. Inclination: 70°N.

Drilled By: Boyles Bro. Otis Brown & Ricky Deaton
Jim McCall and Wade Betts

Coordinates: North 1,626,178.13 East 1,456,747.97

Logged By: Ferryl C. Gale

Elevation: 952.0

Total Depth: 397.0 ft. Core 0.0 - 397.0

DEPTH		%	SAMPLE	SAMPLE	ANALYSES		DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄	
				Acid test	Survey	Down Hole	
				Dip		AZ	
			Surface	70°N.		N.30°E.	
			102.0'	70°N.		N.30°E.	
			202.0'	69°N.		N.30°E.	
			302.0'	67°N.		N.30°E.	
			387.0'	64°N.		N.30°E.	
				Total Depth	397.0		
0.0	10.0						Set casing with rock bit
10.0	20.0						Interbedded gray sandstone and black shale.
20.0	30.0						Sandstone, well cemented very competent, high R.Q.D.
40.0	50.0						As above, with thin lamina black shale.
50.0	60.0						Sandstone as above.
60.0	70.0						Interbedded black shale and gray sandstone.
70.0	80.0						Light gray sandstone.
80.0	90.0						Interbedded shale and sandstone lamina.
90.0	100.0						Sandstone with thin black shale lamina.
100.0	112.0						As above.
112.0	124.0						Interbedded black shale and gray sandstone.
124.0	136.0						Sandstone with wisps of black shale.
136.0	148.0						As above.

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FROM	TO				Sp. Gr.	BaSO ₄		
148.0	160.0							Interbedded black shale and gray sandstone, high R.Q.D.
160.0	172.0							Light gray sandstone with high R.Q.D.
172.0	184.0							As above.
184.0	196.0							Sandstone with occasional lamina of black shale. Bedding dip is 75°.
196.0	208.0							Interbedded black shale and gray sandstone.
208.0	220.0							Interbedded black shale and gray sandstone.
220.0	232.0							As before.
232.0	244.0							Gray sandstone.
244.0	256.0							Interbedded gray sandstone and black shales.
256.0	268.0							Gray sandstone, high R.Q.D.
268.0	280.0							Sandstone as above.
280.0	290.0							Sandstone with thin black shale lamina.
290.0	302.0							As above.
302.0	314.0							Sandstone with wisps of black shales.
314.0	324.0							Sandstone with wisps of black shales.
324.0	329.0		7354		3.352	46.10		Barite zone, medium grade nodules in gray sandstone.
329.0	334.0		7355		3.23	37.96		Barite zone, medium scattered nodules.
334.0	340.0		7356		3.313	43.56		Barite zone, medium grade barite in black shales.

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FROM	TO				Sp. Gr.	BaSO ₄		
340.0	346.0		7357		3.340	45.32		Barite zone, medium grade as above.
346.0	352.0		7358		3.472	53.55		Barite zone, medium grade as above.
352.0	356.0		7359		3.572	53.55		Barite zone, medium to high grade.
356.0	362.0		7360		3.588	59.37		Barite zone, high grade massive barite.
362.0	364.4		7361		3.309	43.30		Barite zone, medium grade barite.
364.4	368.8		7362		3.598	60.83		Barite zone, high grade massive barite.
368.8	372.0		7363		3.213	36.77		Barite zone, low grade scattered nodules.
372.0	374.0		7364		3.733	68.09		Barite zone, high grade massive barite.
374.0	376.5		7365		3.682	65.41		Barite zone, high grade massive barite.
376.5	380.8							Sandstone no visable barite.
380.8	382.5		7366		3.075	26.68		Barite zone, scattered nodules, low grade.
382.5	383.9		7367		3.050	24.76		Barite zone, low grade
383.9	386.7							Sandstone
386.7	387.5		7368		2.869	9.81		Barite zone, low grade isolated nodules
387.5	396.5							Dark gray sandstone.
396.5	397.0							Arkansas Novaculite.
								Hole bottomed on novaculite - total depth 397.0 ft.

FANCY HILL DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO ₄
MDDH 50					
7354	6100	324.0-329.0	5.0	3.352	46.10
7355	6101	329.0-334.0	5.0	3.230	37.96
7356	6102	334.0-340.0	6.0	3.313	43.56
7357	6103	340.0-346.0	6.0	3.340	45.32
7358	6104	346.0-352.0	6.0	3.472	53.55
7359	6105	352.0-356.0	4.0	3.572	59.37
7360	6106	356.0-362.0	6.0	3.588	60.27
7361	6107	362.0-364.4	2.4	3.309	43.30
7362	6108	364.4-368.8	4.4	3.598	60.83
7363	6109	368.8-372.0	3.2	3.213	36.77
7364	6110	372.0-374.0	2.0	3.733	68.09
7365	6111	374.0-376.5	2.5	3.682	65.41
-	-	376.5-380.8	4.3	2.761	0.00
7366	6112	380.8-382.5	1.7	3.075	26.68
7367	6113	382.5-383.9	1.4	3.050	24.76
-	-	383.9-386.7	2.8	2.761	0.00
7368	6114	386.7-387.5	0.8	2.869	9.81
			Total	63.50	
			Weighted Average	3.332	44.82

Bottom hole corals 626, 311.80

1,456, 823.17

582.92