

## DRILL HOLE RECORD

Drill Hole No.: MH-48 Inclination: 45°NDate: 7/20/78Property: Fancy HillDrilled By: Boyles Bro. Otis BrownCo-ordinates: North 626,099.662 East 6457,117.501Logged By: Ferryl C. GaleElevation: 917.33Total Depth: T.D. 171.0'Bearing N 26½ E

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
0.0	5.0						Set casing, no sample recovery.
5.0	6.0						Dark gray sandstone, fine grained, numerous fragments of Novaculite as float material.
6.0	18.7						Interbedded black shale & gray sandstone, highly fractured, broken, & sheared. approx 6.0' core loss from this interval. Highly broken 6.0'-10.0. Highly broken 16.0-18.7
							Bedding dip at 10.2' is 88°N.
18.7	31.0						Sandstone as above, highly fractured 18.7-24.0' approximately 3.0' core in this interval
							Bedding dip at 28' is 83°N.
31.0	42.3						Sandstone as above, occasional wisps of black shale, moderately broken entire interval. Bedding dip at 41.5' is 76°N.
42.3	54.5						Interbedded black shale & gray sandstone. Bedding dip at 48' is 75°S. Moderately fractured entire interval.
54.5	66.0						Sandstone as before, lenses of black shale, numerous qtz veinlets, Bedding dip at 55.5' is 83°S.

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Co-ordinates: North \_\_\_\_\_ East \_\_\_\_\_

Logged By: \_\_\_\_\_

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

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

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO <sub>4</sub>	Cond.	
66.0	75.1						Sandstone as above, locally darker gray in color, (brecciated from 69.0' to 71.0' also slicken sides) Bedding dip at 72.5' is 83°S.
75.1	86.1						Sandstone as above, occasional veinlets of qtz & calcite, bedding dip at 75.2 is 89°S.
86.1	98.0						Interbedded black shales & gray sandstone. Highly broken & fractured 90.0-96.0. Bedding dip at 91.0' is 79°S.
98.0	107.0						As above, highly fractured 106.0-107.0'. Bedding dip at 99.0 is 84°S.
107.0	119.0						Lt. gray fine-grained sandstone. Well cemented, very competent. Bedding dip at 117.0 is 86°S.
119.0	130.0						Sandstone as above, locally very dark gray color, scattered lenses of black shale. Bedding dip at 120.0' is 82°S. Sheared & beoken 121.0-122.0'.
130.0	130.7						Sandstone as above.
130.7	132.6		7207				Barite zone; high grade, 90% BaSO <sub>4</sub> . Massive varite w/ very thin lamina of black shale. Bedding dip at 131.6 is 85°S.

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DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO <sub>4</sub>	Cond.	
132.6	136.6		7208				Barite zone, med grade, 50% BaSO <sub>4</sub> . Thinly laminated barite w/ black shale as numerous small nodular barite in black shale. Bedding dip at 135.0' is 80°S.
136.6	141.0		7209				Barite zone, med grade 50% BaSO <sub>4</sub> , Lithology as above, Bedding dip at 140.0 is 70°S.
141.0	143.7		7210				Barite zone, med grade, 40% BaSO <sub>4</sub> . Bedding dip at 142.0' is 82°S.
143.7	150.7		7211				Barite zone, high grade, 70% BaSO <sub>4</sub> . Massive to large nodular barite in matrix of black shale. Bedding dip at 153.0' is 86°S.
150.7	152.0		7212				Barite zone, low grade, 30% BaSO <sub>4</sub> , unconformable contact, has appearance of novaculite being replaced by barite, strong evidence for hydrothermal origin of barite. Bedding dip at 155.0' is 88°S.
159.0	162.6						Interbedded black shale & very fine grained lt. gray sandstone or quartzite.
162.6	170.0						As above, bedding dip 165' is 75°S.
170.0	171.0						Arkansas Novaculite.

T.D. 171.0' Bottomed on Novaculite.

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Logged By: \_\_\_\_\_

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

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

[illegible]

Bottom hole coring 626, 212.36 1,457.173.83 801.80

## FANCY HILL - DIAMOND DRILL HOLES - PHASE II

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO <sub>4</sub>
MDDH-48					
7207	4700	130.7-132.6	1.9	3.861	74.51
7208	4701	132.6-136.6	4.0	3.686	65.63
7209	4702	136.6-141.0	4.4	3.574	59.48
7210	4703	141.0-143.7	2.7	3.285	41.70
7211	4704	143.7-150.7	7.0	3.383	48.07
7212	4705	150.7-152.0	1.3	3.001	20.89
7213	4706	152.0-157.0	<u>5.0</u>	2.918	14.04
			TOTAL 26.30		
COMPOSITE			CALCULATED	3.378	46.09 47.77

56.25

15.49