

## DRILL HOLE RECORD

Drill Hole No.: MH-44 Inclination: 30°N

Date: 7/19/78

Property: Fancy Hill Arkansas

Drilled By: Boyles Bro. Ralph Jex

Co-ordinates: North 626, 048.02 East 1,457, 364.12

Logged By: Ferryl C. Gale

Elevation: 970.77

Total Depth: T.D. 134.0'

Bearing: N 30 E

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
0.0	31.0						Start coring at surface, Highly weathered, highly broken then colored fine grained sandstone, heavy limonite & manganese in fractures. (20.0 core loss at beginning).
31.0	44.0						Highly weathered sandstone, highly broken (2.0 core loss in this interval).
44.0	49.0						Sandstone as above, Mod. weathered, 3' core loss in interval, heavy limonite staining in fractures.
49.0	57.0						Lt. gray fine grained sandstone, limonite staining in fractures. Bedding dip at 55.0' is 89°S.
57.0	68.0						Interbedded lenses of black shale & gray sandstone. (Highly broken 57.0'-61.0). Highly broken 66.0-68.0.
68.0	80.0						Lt. gray sandstone, (Highly fractured 68.0-70.0) (Highly fractured 76.0-78.0) However moderately fractured entire interval.
80.0	91.5						Lt. gray fine grained sandstone. Mod. fractured entire interval, very well cemented where not fractured.

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Property: \_\_\_\_\_

Drilled By: \_\_\_\_\_

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.	
91.5	102.5						Sandstone as above. Bedding dip at 102.0' is 76°S.
102.5	114.0						Interbedded black shale & lt. gray sandstone. Moderately fractured, Bedding dip at 109.0 is 78°S. Abundant disseminated marcasite throughout black shale.
114.0	118.0						As above, bedding dip at 116.0' is 76°S.
118.0	123.0		7619				Barite zone, low grade, approx 30% BaSO <sub>4</sub> , small nodular barite in gray shales, Bedding dip at 120' is 80°S. However bedding is somewhat gnarled.
123.0	127.8		7622				Black shale, w/ scattered barite nodules, very low grade, approx 2.0' core loss, highly fractured broken & sheared.
127.8	132.0						Black shale, Bedding dip at 130' is 74°S.
132.0	134.0						Arkansas Novaculite.
							Hole bottomed on Novaculite. T.D. 134.0'
It appears in the core that the barite in this hole was faulted out. In the barite zone there was evidence of extreme movement.							

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Drilled By: \_\_\_\_\_

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

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

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

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

[illegible]

## 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>
MH-44					
#1	7619	118-123	5.0	3.180	34.44
#2	7622	123-127.8	<u>4.8</u>	2.823	5.71
		TOTAL	9.80		
COMPOSITE		CALCULATED		3.01	21.22