

Drill Hole No. MH-125 Fancy Hill

Date: June 17, 1979 (Date Drilled)

Bearing: N.34°E. Inclination: 60°N.

Drilled By: Boyles Bro. (Ricky Deaton, Jr. Miller)

Coordinates: North 628,473.0 East 1,451,532.0

Logged By: Ferryl C. Gale

Elevation: 1,054.15

Total Depth: 244.0 ft.

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
								This hole was not surveyed with down the hole camera. The rods twisted off and hole was abundant at 244.0 ft.
0.0	9.0							Set casing with bevel wall bit. Litholog micous sandstone highly weather, highly broken.
9.0	16.0							Began coring with BX rods high weathered sandstone.
16.0	31.0							Light gray sandstone, highly broken.
31.0	52.0							As above, shear zone highly broken, 7.0 ft. core loss between 35.0 - 42.0
52.0	67.0							Interbedded gray sandstone and black shales, quartz veinlet at 54.5 ft.
67.0	83.0							Lithology as above
83.0	98.0							Sandstone with occasional black shale lamina, high R.Q.D.
98.0	113.0							As above, occasional quartz and calcite veinlets, high R.Q.D.
113.0	129.0							Sandstone as above, locally darker sandstone, high R.Q.D.
129.0	143.0							As above
143.0	159.0							Sandstone as above, high R.Q.D.
159.0	174.0							Sandstone as above, high R.Q.D. Bleb of pyrite in black shale lamina at 171.0 ft.



Drill Hole No. MH-125B Fancy Hill

Date: 6-20-79 Date Drilled

Bearing: N.34 E. Inclination: 55 N.

Drilled By: Boyles Bro. Ricky Deaton, Junior Miller

Coordinates: North 628,474.56 East 1,451,532.49

Logged By: Ferryl C. Gale

Elevation: 1,054.28

Total Depth: 274.0' BX Core

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
				Eastman Camera Survey				
				Bearing				Dip
				Surface	N.34° E.			55° N.
				74.0	N.36° 30' E.			55° 15' N.
				174.0	N.37° 30' E.			51° N.
				264.0	N.36° E.			44° 45' N.
				274.0	N.36° E.			44° 45' N.
0.0	10.0							Highly weathered sandstone, tan color, highly broken 0.0-20.0 bevell wall bit.
10.0	20.0							Light gray sandstone
20.0	34.0							As above
34.0	44.0							Black shale, highly broken poor recovery shear zone.
44.0	49.0							Black shale, moderate R.Q.D. Bedding dip at 49.0 ft. is 81° S.
49.0	57.0							Light gray sandstone.
57.0	66.0							Black shale with thin lamina of gray sandstone
66.0	70.0							As above.
70.0	81.0							Light gray sandstone, locally black shale lamina.

Drill Hole No. MH-125B

Date: \_\_\_\_\_

Bearing: \_\_\_\_\_ Inclination: \_\_\_\_\_

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

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

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

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

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

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
81.0	96.0							Light gray sandstone, high R.Q.D.
96.0	110.0							As above, plus thin black shale lamina
								102.0-103.0 large marcasite blebs 102.0
110.0	125.0							Light gray sandstone, 116.0-117.0 thin lamina
								of lamina of black shale.
125.0	140.0							Light gray sandstone, high R.Q.D.
140.0	156.0							As above, 145.0 to 145.2 black shale lamina
								occasional wisp of black shale in sandstone,
								occasional bleb of marcasite in sandstone.
156.0	162.5							Sandstone as above
162.5	166.0							Black shale
166.0	170.0							Light gray sandstone.
170.0	185.0							Interbedded gray sandstone and black shale.
								Bedding dip at 178.0' is vertical dip.
185.0	200.0							As above except higher % of sandstone.
200.0	207.0							Sandstone
207.0	211.7							Black shale
211.7	214.0		9652		2.97	18.4		Barite zone, very poor grade scattered barite
								nodules in black shale.
214.0	217.8		9653		3.11	29.3		Barite zone, bedding dip 87° S. at 216.0 scattered
								barite nodules in black shale.

Drill Hole No. MH-125B

Date: \_\_\_\_\_

Bearing: \_\_\_\_\_ Inclination: \_\_\_\_\_

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

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

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

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

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

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
217.8	221.0		9654		3.05	24.8		Barite zone, scattered barite nodules in black shale, abundant marcasite surrounding nodules.
221.0	224.8		9655		3.19	35.2		Barite zone, bedding dip 86° S. at 228.0' large nodules elongated along bedding plane.
224.8	229.0		9656		3.02	22.4		Barite zone, large nodules scattered in black shale.
229.0	230.7		9657		2.81	4.5		Barite zone, as above.
230.7	234.0							Interbedded black and gray shale and sandstone however, no appearance of barite.
234.0	240.0		9658		3.14	31.5		Barite zone large scattered barite nodules.
240.0	243.0		9659		3.17	33.7		Barite zone, as above Bedding dip at 241 is 88°
243.0	250.0		9660		2.96	17.6		Barite zone, as above very poor grade.
250.0	255.0		9661		2.89	11.6		Barite zone, as above very poor grade.
255.0	259.0							Light gray shales.
259.0	273.9							Interbedded black and gray shales. Bedding dip at 85° S.
273.9	274.0							Arkansas Novaculite

FANCY HILL DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
MH-125B				
9652		211.7 - 214.0		
9653		214.0 - 217.8		
9654		217.8 - 221.0		
9655		221.0 - 224.8		
9656		224.8 - 229.0		
9657		229.0 - 230.7		
9658		234.0 - 240.0		
9659		240.0 - 243.0		
9660		243.0 - 250.0		
9661		250.0 - 255.0		



## FANCY HILL - DIAMOND DRILL HOLES - PHASE II

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
MH-125B					
9652		211.7-214.0	2.3	2.97	18.4
9653		214.0-217.8	3.8	3.11	29.3
9654		217.8-221.0	3.2	3.05	24.8
9655		221.0-224.8	3.8	3.19	35.2
9656		224.8-229.0	4.2	3.02	22.4
9657		229.0-230.7	1.7	2.81	4.5
9658		234.0-240.0	6.0	3.14	31.5
9659		240.0-243.0	3.0	3.17	33.7
9660		243.0-250.0	7.0	2.96	17.6
9661		250.0-255.0	<u>5.0</u>	<u>2.89</u>	<u>11.6</u>
			40.0	3.04	23.80