

## DRILL HOLE LOG

Drill Hole No. MH-96

Date: 5-15-79

Bearing: N25°E. Inclination: 30°N.

Drilled By: Boyles Brothers

Coordinates: North 627,407.33 East 1,453,982.97

Logged By: Ferryl C. Gale

Elevation: 1,056.29

Total Depth: 221.0 ft. 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.25°E.	30°N.	
				101.0	N.23°30'E.	29°N.	
				201.0	N.22°30'E.	28°45 N.	
				221.0	N.22°30'E.	29°N.	
0.0	10.0						Set casing with Bevel wall bit. Tan weather sandstone.
10.0	22.0						Buff sandstone, occasional not weather gray in color.
22.0	35.0						Gray sandstone, locally bleached heavy limonite staining
							along fractures. Locally darker gray sandstone due to
							carbon content of black shale.
35.0	48.0						Sandstone as above.
48.0	62.0						Sandstone as above.
62.0	71.7						Light gray sandstone, well cemented, fine grained.
71.7	83.9						Interbedded gray and black sandstone, gnarled bedding
							locally. Bedding dip at 75.0' is 72°S.
83.9	94.0						Light gray sandstone, qtz veinlets
94.0	106.0						Sandstone as before.
106.0	118.0						Sandstone as before, with lamina of black shale

Drill Hole No. MH-96

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>		
118.0	130.0							As above.
130.0	142.0							Light gray sandstone.
142.0	151.2							Sandstone as above, occasional qtz. veinlets and occasional black shale lamina. Dip at 150' is 77°S.
151.1	163.0							Light gray sandstone
163.0	172.5							Gray sandstone with black shale lamina.
172.5	174.0		225		3.462	52.9		Barite zone, medium grade - Barite, nodular to heavy laminated, nodules are angular, fine grained barite in host rock.
184.0	176.5		226		3.753	69.9		Barite zone, massive barite with white colored angular nodules.
176.5	180.0		227		4.015	81.7		Barite zone, massive barite, high grade.
180.0	183.6		228		3.975	79.9		Barite zone, massive barite, high grade.
183.6	187.3		229		3.697	66.2		Barite zone, high grade angular nodules.
187.3	189.4		230		3.613	61.7		Barite zone, massive barite, heavy laminated barite.
189.4	192.0		231		2.921	14.3		Barite zone, poor grade, scattered nodules.
192.0	197.5		232		2.916	13.9		Barite zone, scattered nodules.
197.5	210.0							Interbedded black and gray shales. Bedding dip 80°S.
210.0	220.0							Interbedded black and gray shales.
220.0	220.5							Gouge, recemented with qtz and calcite.

220.5 221.0

Arkansas Novaculite

FANCY HILL DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
<u>#96</u>					
0225		172.5-174.0	1.5	3.462	52.9
0226		174.0-176.5	2.5	3.753	69.1
0227		176.5-180.0	3.5	4.015	81.7
0228		180.0-183.6	3.6	3.975	79.9
0229		183.6-187.3	3.7	3.697	66.2
0230		187.3-189.4	2.1	3.613	61.7
0231		189.4-192.0	2.6	2.921	14.3
0232		192.0-197.5	5.5	2.916	13.9
		TOTAL	<u>25.0</u>	<u>          </u>	<u>          </u>
		WEIGHTED AVERAGE		3.514	56.01
0225-0230		COMPOSITE		3.766	69.8

## Barite Intervals for MH-96

<u>Sample No.</u>	<u>Footage</u>	<u>%BaSO<sub>4</sub></u>
0225	172.5 - 174.0	
0226	174.0 - 176.5	
0227	176.0 - 180.0	
0228	180.0 - 183.6	
0229	183.6 - 187.3	
0230	187.3 - 189.4	
0231	189.4 - 192.0	
0232	192.0 - 197.5	

FANCY HILL DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
<u>#97</u>					
0236		141.2-144.0	2.8	2.921	14.3
0237		144.0-147.3	3.3	2.943	16.1
0238		149.0-152.0	3.0	2.843	7.5
0239		170.5-174.0	3.5	3.807	71.9
0240		174.0-178.2	4.2	3.501	55.3
0241		178.2-182.4	4.2	3.703	66.5
0242		187.7-189.0	1.3	3.596	60.7
		TOTAL	<u>22.3</u>	<u>          </u>	<u>          </u>
		WEIGHTED AVERAGE		3.349	45.88
0239-0242		COMPOSITE		3.611	61.6