

Drill Hole No. MH-97

Date: 5-16-79

Bearing: N.23° E. Inclination: 30° N.

Drilled By: Boyles Brothers

Coordinates: North 629,435.19 East 1,448,885.93

Logged By: Ferryl C. Gale

Elevation: 1,135.02

Total Depth: 221.0 BX Core

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
					Eastman Camera Survey			
					Bearing			Dip
					Surface	N.23° E.		30° N.
					110.0	N.19° E.		27° N.
					210.0	N.17° 30' E.		26° N.
					221.0	N.17° 30' E.		26° N.
0.0	10.0							Set casing with bevell wall bit. Lithology tan colored sandstone bleached from weathering.
10.0	22.0							Sandstone highly weather grading into gray sandstone.
22.0	36.0							Sandstone gray sandstone well cemented, high R.Q.D.
36.0	48.0							Sandstone as above.
48.0	60.0							Sandstone as above.
60.0	73.0							Sandstone with wisps of black shale.
73.0	85.0							Light gray sandstone, bedding dip at 74.0' is 83° S.
85.0	98.0							Light gray sandstone, fiabile leached locally, occasional limonite staining in fractures.
98.0	110.0							Interbedded dark gray sandy shales and gray sandstone.
110.0	123.0							Light gray sandstone.
123.0	141.2							Light gray sandstone as above.
141.2	144.0		236		2.921	14.3		Barite zone, low grade, approx. 20% BaSO ₄ -scattered nodules of barite is gray siltstones.

DRILL HOLE LOG

MH-97

Drill Hole No. _____

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.	BoSO ₄	
144.0	147.3		237		2.943	16.1	Barite zone, as above.
147.3	149.0						Gray shales 2.0ft. core loss washed away while drilling.
149.0	152.0		238		2.843	7.5	Barite zone, very low grade.
152.0	170.5						Interbedded gray shales and light gray sandstone.
170.5	174.0		239		3.807	71.9	Barite zone, high grade massive barite.
174.0	178.2		240		3.501	55.3	Barite zone, medium grade barite, massive locally with heavy lamina locally.
178.2	182.4		241		3.703	66.5	Barite, high grade barite, massive to heavily laminated.
182.4	187.7						Light gray sandstone lens
187.7	189.0		242		3.596	60.7	Barite zone, high grade lens of barite.
189.0	202.0						Gray shale.
202.0	220.0						Gray shale, could be gouge at contact
220.0	221.0						Arkansas Novaculite
							Hole bottomed on Novaculite
							Total depth is 221.0 ft.

Barite Intervals for MH-97

<u>Sample No.</u>	<u>Footage</u>	<u>%BaSO₄</u>	<u>Specific Gravity</u>
0236	141.2 - 144.0		
0237	144.0 - 147.3		
	147.3 - 149.0	Core loss	
0238	149.0 - 152.0		
0239	170.5 - 174.0		
0240	174.0 - 178.2		
0241	178.2 - 182.4		
	182.4 - 187.7	5.3' Core Loss	
0242	187.7 - 189.0		