

Drill Hole No. MH-128 Fancy Hill

Bearing: N.25°E. Inclination: 25°N.

Coordinates: North 627,899.64 East 1,452,571.01

Elevation: 1,019.11

Date: 7-19-79 (Date Drilled)

Drilled By: Boyles Bro. (Wade Betts, Neil Brown)

Logged By: Ferryl C. Gale

Total Depth: 227.0 ft. BX

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
					Eastman Whipstock Camera Survey			
					Bearing			Dip
				Surface	N.25°E.			25°N.
				110'	N.24°E.			22°45'N.
				210'	N.23°30'E.			22°50'N.
				227.0'	N.23°30'E.			22°50'N.
0.0	8.0							Hole case with bevel wall bit, highly weathered
								sandstone, micous, tan in color, highly broken.
8.0	22.0							Begin BX coring, lithology as above.
22.0	44.0							Lithology as above, occasional shale lamina weathered
								to clays. 40.0-44.0 less weathering some gray sandstone.
44.0	64.0							Light gray sandstone, occasional lamina of black
								shale, 4.0 core loss between 54.0 - 58.0 shear zone.
64.0	82.0							Interbedded light gray sandstone and black shale,
								highly broken locally.
82.0	86.0							Black shale.
86.0	98.0							Light gray sandstone.
98.0	113.0							Sandstone as above, 111.0 - 113.0 thin lamina of
								black shale and sandstone, bedding dip at 112.0 ft. is
								vertical.
113.0	128.0							Light gray sandstone, high R.Q.D.

Drill Hole No. MH-128

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 ₄		
128.0	143.0							Sandstone as above, 136.0 heavy marcasite laminae, sample take for sulfur isotop work. 142. shear zone shear zone highly fractured.
143.0	159.0							Interbedded gray sandstone and black shales.
159.0	173.0							Light gray sandstone, high R.Q.D.
173.0	184.1							Light gray sandstone grading into black shale at 184.0.
184.1	188.1		9518		3.267	40.49		Barite zone, highly fractured and broken, angular nodules of barite in black shale. Medium grade
								scentillalor indicated no U 238
188.1	190.0		9519		3.141	31.62		Barite zone, low grade as above.
190.0	195.2		9520		3.306	43.10		Barite zone, medium grade
195.2	200.0		9521		3.101	28.65		Barite zone low grade, scattered nodules of barite in black shale.
200.0	203.0		9522		2.892	11.82		Barite zone, very low grade.
203.0	207.0		9523		2.964	17.89		Barite zone, low grade
207.0	210.0		9524		2.933	15.31		Barite zone, bedding dip at 210.0 is 88°N. Large nodules of barite in black shale.
210.0	214.0		9525		2.835	6.80		Barite zone, very low grade.
214.0	218.0							Black shales
218.0	226.8							Black shales.
226.8	227.0							Arkansas Novaculite

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO ₄
MH-128					
9518		184.11-188.1	4.0	3.267	40.5
9519		188.1-190.0	1.9	3.141	31.6
9520		190.0-195.2	5.2	3.306	43.1
9521		195.2-200.0	4.8	3.101	28.7
9522		200.0-203.0	3.0	2.892	11.8
9523		203.0-207.0	4.0	2.964	17.9
9524		207.0-210.0	3.0	2.933	15.3
9525		210.0-214.0	4.0	2.835	6.8
			<u>29.9</u>	<u>3.07</u>	<u>26.28</u>

FANCY HILL DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO ₄
MH-128					
9518		184.1	- 188.1		
9519		188.1	- 190.0		
9520		190.0	- 195.2		
9521		195.2	- 200.0		
9522		200.0	- 203.0		
9523		203.0	- 207.0		
9524		207.0	- 210.0		
9525		210.0	- 214.0		