

## DRILL HOLE RECORD

Drill Hole No.: MH-120 Inclination: 55 N  
 Bearing: N. 25 E.

Property: Fancy Hill Center Pit

Co-ordinates: North 628,423.41 East 1,451,635.74

Elevation: 1060.0

Date: August, 1978

Drilled By: Boyles Bro. Bob Kesty, Wayne Cole, Wade Betts &

Logged By: Ferryl C. Gale Ricky Deaton

Total Depth: 313.0 Core 0.0-313.0

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
				Acid test Survey (Down Hole)			
					Dip		AZ
			Surface		55 N		N. 25 E.
			100.0		56 N		"
			200.0		54 N		"
			313.0		52 N		"
				T.D.	313.0 ft.		
0.0	20.0						Set Casing (No core recovery)
20.0	32.0						Gray fine grained sandstone, locally discolored by tan limonite staining.
32.0	42.0						Lithology as above. Bedding dip at 32.8 ft. is 85 S.
42.0	54.0						Sandstone as above, well cemented.
54.0	56.0						Lens of black shale highly broken and sleased.
56.0	66.0						Interbedded sandstone and shale. Bedding dip is 89 S.
66.0	77.0						Lithology as above, occasional fracture filled with qtz.
77.0	87.0						Gray sandstone, highly fractured 77.5 to 78.5.
87.0	98.0						Interbedded sandstone and shale. Bedding dip at 95.0 ft. is 87 N.
98.0	108.6						Lithology as above.
108.6	118.0						Lithology as above, bedding dip at 113.0 fts. is 88 S.
118.0	129.6						Lithology as above, highly broken fractured, brecciated, numerous qtz. and calcite veinlets, numerous leached

Bottom Hole sounds 628,588.47 1,451,712.85 805.79

## DRILL HOLE RECORD

Drill Hole No.: MH-120 Inclinaton: \_\_\_\_\_

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

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.	
129.6	133.0						Same as above.
133.0	139.0						Gray sandstone, very well cemented high R.Q.D.
139.0	150.0						Same as above.
150.0	161.0						Same as above.
161.0	172.0						Same as above.
172.0	182.0						Interbedded sandstone and shale. Bedding dip at 180.0 ft. is 85 S.
182.0	194.0						Interbedded sandstone and shale. Bedding dip 85 S.
194.0	205.0						Lithology as above, some soft sediment deformation.
205.0	216.0						Lithology as above, abundant blebbs of pyrite.
216.0	227.0						Interbedded sandstone and shale. bedding dip at 218.5 is 85 S.
227.0	238.0						Lithology as above.
238.0	240.2						Lithology as above.
240.2	245.5		7369				Barite zone. Very low grade, scattered nodules. approx. 5% BaSO <sub>4</sub> .
245.5	247.9						Black shale.
247.9	251.0		7370				Barite zone, approx 20% BaSO <sub>4</sub> scattered nodules.
251.0	256.0		7371				Barite as before.
256.0	259.0						Dark gray sandstone grading to light gray.

## DRILL HOLE RECORD

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

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.	
259.0	262.0						Lithology as above.
262.0	265.1		7372				Barite zone, large scattered nodules of barite is black shale, approx. 20% BaSO <sub>4</sub> .
265.1	269.3		7373				Barite zone, scattered nodules approx. 20% BaSO <sub>4</sub> . Bedding dip at 26.8 is 86 S.
269.3	273.0		7374				Barite zone, sparsely scattered nodules in black shale approx. 5% BaSO <sub>4</sub> .
273.0	275.3		7375				Barite zone as before highly broken.
275.3	276.7						Black shale no barite.
276.7	281.0		7376				Barite zone, scatter nodules approx. 5% BaSO <sub>4</sub> . Bedding dip is 88 S.
281.0	292.0						Interbedded sandstone and shale highly broken and fractured.
292.0	302.0						Lithology as above, occasional marcasite bleb.
302.0	312.0						Light gray sandstone.
312.0	312.5						Highly bleached gauge.
312.5	313.0						Arkansas Novaculite.
							Bottomed on Novaculite
							Total Depth 313.0 feet.

FANCY HILL DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO <sub>4</sub>
MDDH 120					
7369	6200	240.2-245.5	5.3	3.030	23.19
-	-	245.5-247.9	2.4	2.761	0.00
7370	6201	247.9-251.0	3.1	3.211	36.63
7371	6202	251.0-256.0	5.0	3.000	20.81
-	-	256.0-262.0	6.0	2.761	0.00
7372	6203	262.0-265.1	3.1	2.980	19.19
-	-	265.1-266.0	.9	2.761	0.00
7373	6204	266.0-269.3	3.3	2.991	20.09
-	-	269.3-270.0	.7	2.761	0.00
7374	6205	270.0-273.0	3.0	2.949	16.65
7375	6206	273.0-275.3	2.3	2.892	11.82
-	-	275.3-276.7	1.4	2.761	0.00
7376	6207	276.7-287.0	10.3	2.892	11.82
		Total	46.8		
		Weighted Average		2.925	14.62