

## DRILL HOLE RECORD

 Drill Hole No.: MH-114 Inclination: 50°N.

 Bearing: N 20 E.

 Property: Fancy Hill

 Co-ordinates: North 627,833.01 East 1,452,702.66

 Elevation: 1,019.82

 Date: June, 1978

 Drilled By: Boyles Bros. Kesty & McCall

 Logged By: Ferryl C. Gale

 Total Depth: 343.0 Core 0.0 - 343.0

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
0.0	15.0						Set casing (no Core recovery)
15.0	29.4						Light gray sandstone, fine grained, locally weathered to buff color, heavy limonite staining in fractures.
29.4	49.6						Sandstone as above, fault zone from 36.0 to 46.0 10.0 ft. core loss, highly broken core with presence of gouge on fragments. Fault striking east west.
49.6	62.0						Sandstone as above, with thin lamina of black shale. Fault zone 54.0 - 57.0 highly broken 3.0 ft. core loss. Bedding dip at 60.0' is 88°S.
62.0	72.7						As above.
72.7	82.9						As above, bedding dip at 77.0 ft. is 75°S.
82.9	94.0						As above, sandstone is very competent.
94.0	104.0						Sandstone as before, moderately broken and fractured, bedding dip at 102.0 ft. is 83°S.
104.0	116.3						As before, wisps of shale occasional, qtz. vein at 116.0 ft.
116.3	127.2						As above occasional qtz. veinlets. Fault 125.0 - 125.5 highly broken, striking east west.
127.2	140.9						Interbedded shale and sandstone lenses, bedding dip at 132.0 ft. is 82°N.
140.0	150.7						As above, bedding dip at 144.0 ft. is 87°N.

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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.	
150.7	164.7						Sandstone as above.
164.7	173.6						Sandstone as above, very competent.
173.6	185.4						Sandstone with lenses of black shale. Bedding dip at 177.0 ft. is 88°N.
185.4	195.7						As above, bedding dip at 189.0 ft. is 80°N.
195.7	207.6						Sandstone, very competent.
207.6	218.1						Sandstone as above.
218.1	229.2						Sandstone as above, locally dark gray.
229.2	240.7						Sandstone, locally interbedded with lamina of black shale.. Bedding dip at 232.0 ft. is 85°S.
240.7	250.0						Sandstone as above, highly broken and fractured 246.0 - 247.5 fault striking north south.
250.0	260.7						Sandstone, very competent. Bedding dip at 254 ft. is 89°S.
260.7	272.0						Sandstone and interbedded black shale lenses. Bedding dip at 270.0 ft. is 82°N.
272.0	275.0						As Above.
275.0	279.0		7235				Barite zone, low grade, approx. 30% BaSO <sub>4</sub> , sparsely scattered nodules in black shale. Bedding dip at 275.0 ft. is 89°N.
279.0	282.7		7236				Barite zone, high grade, approx. 50% BaSO <sub>4</sub> , locally

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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.	
							massive barite. Bedding dip at 281.0 ft. is 80°N.
282.7	286.1		7237				Barite zone, medium grade approx. 50% BaSO <sub>4</sub> , locally massive and laminated.
286.1	290.2		7238				Barite zone, medium grade, approx. 45% BaSO <sub>4</sub> , nodular barite.
290.2	293.9		7239				Barite zone, medium grade approx. 40% BaSO <sub>4</sub> . nodular barite. Bedding dip at 292.0 ft. is 88°N.
293.9	299.0		7240				Barite zone, medium grade, 50% BaSO <sub>4</sub> , elongated nodules.
299.0	304.6		7241				Barite zone, low grade approx. 30% BaSO <sub>4</sub> , scattered elongated nodules. Fault 300.0 - 302.0 striking northeast to southwest.
304.6	315.0		7242				Barite zone, low grade approx. 10% BaSO <sub>4</sub> , scattered large nodules in black shale. Core highly broken.
315.0	326.6						Black shale, Moderately fractured, bedding dip at 320.0 ft. is 89°N.
326.6	337.9						Lithology as above, bedding dip at 336.0 ft. is 89°N.
337.9	342.0						As above.
342.0	343.0						Arkansas Novaculite.

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

11770

FANCY HILL - DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO <sub>4</sub>
MDDH 114					
7235	5900	275.0-279.0	4.0	3.432	51.12
7236	5901	279.0-282.7	3.7	3.519	56.32
7237	5902	282.7-286.7	4.0	3.695	66.10
7238	5903	286.7-290.2	3.5	3.647	63.53
7239	5904	290.2-293.9	3.7	3.243	38.85
7240	5905	293.9-299.0	5.1	3.151	32.35
7241	5906	299.0-304.6	5.6	2.970	18.38
7242	5907	304.6-315.0	10.4	2.893	11.90
		Total	40.0		
		Weighted Average		3.227	37.75

55.65

18.85