

DRILL HOLE RECORD

MH-43 or

Drill Hole No. Nov #4 Inclination: 54°NBearing: N 18 E.Property: Fancy HillCo-ordinates: North 627,696.371 East 1,453,442.037Elevation: 1,092.45Date: 6-23-78Drilled By: Boyles Bro. Ralph JexLogged By: Ferryl C. GaleTotal Depth: T.D. 400.0'

| DEPTH | | SAMPLE RECOVERY | SAMPLE NUMBER | ANALYSES | | | DESCRIPTION OF MATERIAL DRILLED |
|-------|------|--------------------|------------------|----------|-------------------|-------|--|
| FROM | TO | | | Sp. Gr. | BaSO ₄ | Cond. | |
| 0.0 | 10.0 | | | | | | No sample covered, casing in hole. |
| 10.0 | 25.0 | | | | | | No sample recovery, casing in hole. |
| 25.0 | 30.0 | | | | | | Gray Zinc grained sandstone occasional wisps of black shale. |
| 30.0 | 40.0 | | | | | | Bedding Dip 88°S. at 30.0 ft. Gray zinc grained sandstone. |
| 40.0 | 50.0 | | | | | | Gray zinc gray sandstone. |
| 50.0 | 60.0 | | | | | | Gray zinc grained sandstone. Bedding dip at 51.0 ft. is 83°S. |
| 60.0 | 63.6 | | | | | | Gray sandstone as above. |
| 63.6 | 68.0 | | 2891 | 4.4' | | | Barite zone, low gray approx. 5% BaSO ₄ . Bedding dip at 64 ft. is 85°S. at 680' |
| 68.0 | 72.6 | | 2892 | 4.6' | | | Barite zone, low to medium grade. Barite marbel bedding. |
| 72.6 | 75.0 | | 2893 | 2.4' | | | Barite zone low medium grade. |
| 75.0 | 78.0 | | 2894 | 3.0' | | | Barite zone low medium grade |
| 78.0 | 80.0 | | 2895 | 2.0' | | | Barite zone |
| 80.0 | 86.0 | | 2896 | 6.0' | | | Barite zone |
| 86.0 | 92.5 | | 2897 | 6.5' | | | Barite zone |
| 92.5 | 98.0 | | 2898 | 5.5' | | | Barite zone low grade approx. 5% BaSO ₄ . |

DRILL HOLE RECORD

NOV-# 44

Drill Hole No.: MH-43 Inclination: _____

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 ₄ | Cond. | |
| 92.5 | 98.0 | | 2898 | 5.5' | | | Barite zone low grade approx. 5% BaSO ₄ |
| 98.0 | 101.7 | | 2899 | 3.7' | | | Barite zone low grade approx. 5% BaSO ₄ |
| 101.7 | 104.0 | | 2900 | 3.7' | | | Barite zone low grade approx. 5% BaSO ₄ |
| 104.0 | 109.0 | | 2901 | 5.0' | | | Barite zone, low grade. Scattered nodules approx. 5% BaSO ₄ . |
| 109.0 | 137.0 | | | | | | Hole was air hammered no sample recovery. The thinking at this period of time in drilling the novaculite was to hammer through the 25' massive upper member of the novaculite and there would be no problem core the remainder of the hole. |
| 137.0 | 166.0 | | | | | | Massive novaculite of upper member, highly broken, locally qtz. veinlets. |
| 166.0 | 178.0 | | | | | | Gray tripolitic material, moderate manganese staining This may be the material that Malvern Minerals is mining for Tripolitic, a trip will be arranged with Charles Stewart Miner Superintendent for Malvern Minerals to attend their operation east of Hot Springs. |
| 178.0 | 189.0 | | | | | | Gray tripolitic material heavy manganese filling fractures. Highly broken and fractured. |
| 189.0 | 201.0 | | | | | | Lithology as above. |

DRILL HOLE RECORD

Nov - #44

Drill Hole No.: MH-43 Inclination: _____

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. | BaSO4 | Cond. | |
| 201.0 | 214.6 | | | | | | Lithology as above |
| 214.6 | 224.0 | | | | | | Massive novaculite, however, locally highly leached to gray tripolitic material. Locally very porous. nodules manganese staining. |
| 224.0 | 233.5 | | | | | | Massive novaculite, locally tripolitic material. Very broken, 225.0 - 230.0 highly decomposed tripolitic material to sand. Sand recovery for five ft. |
| 233.5 | 235.3 | | | | | | Highly altered middle member of novaculite. Gray clay, gauge. |
| 235.3 | 241.3 | | | | | | Middle member novaculite interbedded gray shales and thinly bedded short. Thin lamina of pyrite having been altered to limonite. Bedding dip at 241.0 ft. is 85°S. |
| 241.3 | 250.0 | | | | | | As above |
| 250.0 | 261.1 | | | | | | Lithology as above, 252.6 fault zone slicken sides, fault striking N. 75°E. Part of fracture has been healed with qtz. calcite. |
| 261.1 | 270.0 | | | | | | Black, high carbon, interbedded chert and shale. At 268.6 changed from NX core to BX core. |
| 270.0 | 284.0 | | | | | | Interbedded clay and thin bedded chert. Highly broken along bedding plane, some bedding surface have |

DRILL HOLE RECORD

Nov. 24

MH-43

Drill Hole No.: _____ Inclination: _____

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 ₄ | Cond. | |
| | | | | | | | bedding plane slicken sides. |
| 284.0 | 308.2 | | | | | | Interbedded gray and black shale lamina with thinly bedded chert. |
| 308.2 | 318.5 | | | | | | Interbedded black and gray shale and chert. Bedding dip 85°S. at 315.0 '. |
| 318.5 | 329.8 | | | | | | Lithology same as above, bedding dip at 324.0' is 82°S. |
| 329.8 | 332.0 | | | | | | Lithology as above, shear zone slicken sides, filled with qtz. and calcite stringers. Bedding dip 82°S. |
| 332.0 | 340.0 | | | | | | Black and gray shales. Bedding dip 338.0 is 86°S. |
| 340.0 | 350.7 | | | | | | Interbedded gray and black shales and chert. Bedding dip at 344.0 is 86°S. |
| 350.7 | 362.5 | | | | | | Lithology as above, plus 360-362.5, Black shale very carbon rich. Bedding dip 352.0 is 87°S. |
| 362.5 | 372.0 | | | | | | Interbedded gray and black shales and gray chert. Bedding dip 367.0 is 87°S. |
| 372.0 | 383.0 | | | | | | Same as above, marcasite bleb 0.1 ft. wide at 381.7. Bedding dip at 377.0 ft. is 86°S. |
| 383.0 | 393.0 | | | | | | Lithology same as above quite broken and fractured. Bedding dip at 385 is 87°S. |
| 393.0 | 400.0 | | | | | | Lithology same, shale more carbon rich, high fractured |

Nov. # 4

Date: _____

Drilled By: _____

Logged By: _____

Total Depth: _____

11/70

FANCY HILL - DIAMOND DRILL HOLES
INDIVIDUAL CORE ANALYSES BY INTERVALS

| SAMPLE | LOG # | DEPTH | INTERVAL | A.P. SPECIFIC GRAVITY | CALCULATED % BaSO ₄ |
|---------|----------|------------------|----------|-----------------------------|-----------------------------------|
| MDDH 43 | | | | | |
| 2891 | 4400 | 63.6-68.0 | 4.4 | 3.715 | 67.16 |
| 2892 | 4401 | 68.0-72.6 | 4.6 | 4.003 | 81.15 |
| 2893 | 4402 | 72.6-75.0 | 2.4 | 3.853 | 74.12 |
| 2894 | 4403 | 75.0-78.0 | 3.0 | 3.867 | 74.80 |
| 2895 | 4404 | 78.0-82.0 | 4.0 | 3.626 | 62.38 |
| 2896 | 4405 | 82.0-86.0 | 4.0 | 3.742 | 68.56 |
| 2897 | 4406 | 86.0-92.5 | 6.5 | 3.184 | 34.73 |
| 2898 | 4407 | 92.5-98.0 | 5.5 | 3.075 | 26.68 |
| 2899 | 4408 | 98.0-101.7 | 3.7 | 2.958 | 17.39 |
| 2900 | 4409 | 101.7-104.0 | 2.3 | 3.125 | 30.44 |
| 2901 | 4410 | 104.0-109.0 | 5.0 | 2.888 | 11.47 |
| | | Total | 45.4 | | |
| | | Weighted Average | | 3.420 | 50.37 |