

SAMPLE DESCRIPTION

elev 5140

Well # Cum-T-3-YK TD 210 Examined by: ERA Date 12/6, 7/83

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Key: A - Abundant G - Common M - Minor T - Trace R - Rare X - Major Constituent

| Color | Texture    |             |         | Quartz | Feldspar | Glauconite | Phosphate | Calcite  | Shell Frags | Mica | Pyrite | Lignite | Chalcedony | Amethyst | Rose Quartz | Tourmaline | Siderite | Limestone | Dolomite | M. Fossils | Re-Stain | Hematite & Limonite | Heavyies | Remarks    |                                                            |
|-------|------------|-------------|---------|--------|----------|------------|-----------|----------|-------------|------|--------|---------|------------|----------|-------------|------------|----------|-----------|----------|------------|----------|---------------------|----------|------------|------------------------------------------------------------|
|       | Grain Size | Grain Shape | Sorting |        |          |            |           |          |             |      |        |         |            |          |             |            |          |           |          |            |          |                     |          |            |                                                            |
| M     | A          |             | A       |        |          |            |           | R        |             |      |        |         |            |          |             |            |          |           |          |            |          |                     | R        | clean sand |                                                            |
| M     | SA/A       |             | A T     |        |          |            |           | M        |             |      |        |         |            |          |             |            |          |           |          |            |          |                     |          |            | clean - fresh feldspar - white clay fragments              |
| M     | SA         |             | A T     |        |          |            |           | T        |             |      |        |         |            |          |             |            |          |           |          |            |          |                     |          |            | Abundant pinkish clay fragments / hematite with chalcedony |
| CRS   | SA         |             | A X     |        |          |            |           | R        |             |      |        |         |            |          |             |            |          |           |          |            |          |                     |          |            |                                                            |
| CRS   | SA         |             | A T     |        |          |            |           |          |             |      |        |         | T          |          |             |            |          |           |          |            |          |                     |          |            | pink clay fragments                                        |
| CRS   | SA         |             | A       |        |          |            |           | R        |             |      |        |         | R          |          |             |            |          |           |          |            |          |                     |          |            | clay frags                                                 |
| CRS   | SA         |             | A       |        |          |            |           | R        |             |      |        |         | M          |          |             |            |          |           |          |            |          |                     |          |            |                                                            |
| CRS   | SA/A       |             | A T/M   |        |          |            |           | T        |             |      |        |         | R          |          |             |            |          |           |          |            |          |                     |          |            |                                                            |
| CRS   | A/SA       |             | A T     |        |          |            |           |          |             |      |        |         | T          |          |             |            |          |           |          |            |          |                     |          |            | hematite & chalcedony                                      |
| CRS   | SA         |             | A R     |        |          |            |           | R        |             |      |        |         | R          |          |             |            |          |           |          |            |          |                     |          |            |                                                            |
| M     | SA         |             | A T     |        |          |            |           |          |             |      |        |         | T          |          |             |            |          |           |          |            |          |                     |          |            |                                                            |
| M     | SA         |             | A       |        |          |            |           | as above |             |      |        |         |            |          |             |            |          |           |          |            |          |                     |          |            |                                                            |
| M     | SA         |             | A T     |        |          |            |           | R        |             |      |        |         | R          |          |             |            |          |           |          |            |          |                     |          |            |                                                            |
| M     | SA/A       |             | A M     |        |          |            |           | T        |             |      |        |         | R/T        |          |             |            |          |           |          |            |          |                     |          |            | green platy mineral                                        |
|       |            |             |         |        |          |            |           |          |             |      |        |         |            |          |             |            |          |           |          |            |          |                     |          |            | Basement - weathered phyllite                              |