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Silver Bell East  
JEK field check

J. E. K.

NOTES:

FEB 25 1971

Wednesday, February 24, 1971, reconnaissance of the Silver Bell east drilling area, drilled by ASARCO. Both drills have been removed from the property, and no others are seen. Apparently, only the two locations previously noted were drilled.

The north location, just east of the Gasline road and north of the Avra Valley road, was drilled entirely by rotary apparently. Discarded pieces of carboard which the drillers apparently used to label rotary cutting samples indicate a depth of at least 2,000'. Actually a number of these were found culminating, in ten-foot intervals, at 2,000'--thus this may be the bottom of the hole. Two small areas of cuttings of one type were found, and small samples taken. It would appear that the hole penetrated the post-mineral volcanic andesites, and then into a dark igneous rock as yet unidentified. The hole south of the Avra Valley road and about two-tenth of a mile west of the gasline, was drilled with a diamond drill. The depth of this hole could not be determined from evidence in the field. A number of core chips were found, and these indicate that the hole penetrated red arkoses, possibly some Silver Bell andesite or conglomerate, and possibly <sup>soft</sup> salt-leached capping in a fine-grained igneous rock. The hole was drilled using diesel oil as a circulating medium, thus indicating difficult ground. The <sup>soft</sup> ~~soft~~ leached capping pieces were very few in number, and very crumbly.

① - Aphanitic dark grey rock with qtz phenocrysts - possibly the pre-ore dacite unit (as mapped as Silver Bell)

JEK/bl

② Rock type not determinable. Fair sericite - tiny sulphide cast - probably py. The red arkose etc are not altered - Thus: why should the hole find evidence of pervasive alteration? Guess - possibly the soft leached material is merely a restricted shear zone mineralization.