



CONTACT INFORMATION  
Mining Records Curator  
Arizona Geological Survey  
3550 N. Central Ave, 2nd floor  
Phoenix, AZ, 85012  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

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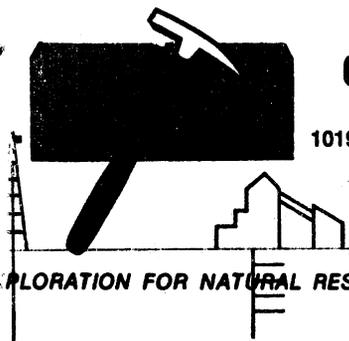
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# **GEO-COMP EXPLORATION, INC.**

SUBSIDIARY OF G.F.I. COMPUTER INDUSTRIES, INC.

1019 WEST PRINCE ROAD • TUCSON, ARIZONA 85705 • AREA CODE 602 887-8212  
297-1124

EXPLORATION FOR NATURAL RESOURCES

November 26, 1969

**J. E. K.**

NOV 26 1969

Mr. John J. Sense  
Assistant Manager  
Southwestern Mining Department  
American Smelting and Refining Co.  
1150 N. 7th Av.  
Tucson, Arizona

RE: SAN XAVIER WORK, 1960-1965

Dear Sir:

At the request of Mr. J. H. Courtright, via telephone November 10, 1969, I have reviewed my notes and files for data on any such subject work. I find that I have no daily notes pertinent to this subject, where-with to make a detailed documentation.

However, I did do some geologic work on the San Xavier during that period, and I have direct knowledge of time spent by David Beck and Burt DeVere. The difficulty lies in arriving at a fair estimate of probable time spent.

My estimates, listed in detail on the attached sheets, are based largely on examination of copies of the reports and data referred to in the attachments, and from this examination I give my best estimate of the amount of time such compilations ought to have required. In a minor part, I add to this direct recollection, to the best of my knowledge, of doing, or being occupied with, the various work here tabulated. Automobile expense and drafting department time are additional items which I have not attempted to estimate.

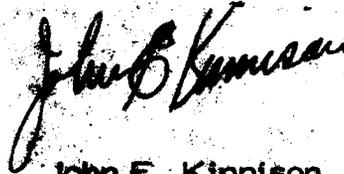
Mr. John J. Sense

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November 26, 1969

I hope these data are of some help to you.

Yours very truly,



John E. Kinnison,  
Chief Geologist

JEK:lp

cc: J H Courtwright w/attachments

TIME SUMMARY\*

North Boundary Work

JEK Time: 4 1/2 weeks and 1 1/2 days

General SX Work

- |                 |                     |
|-----------------|---------------------|
| A. David Beck   | 1 week              |
| B. Burt DeVere  | 2 months            |
| J E Kinnison    | 3 weeks plus 5 days |
| C. J E Kinnison | 3 weeks             |
| D. J E Kinnison | 10 days             |

\*For Details see following pages.



A. Memo, JEK to KR 10/17/59

Having to do with new data at Park Hill in the Tucson Mountains, and land to the south and west, toward the S.X.Res.

Transmittal of above; KR to CPP 1/4/60

Relating Park Hill more specifically to general exploration including geophysics on the reservation.

I estimate my time at 3 days and probably 1/2 should be chargeable to S.X.

KR and JHC spent office time in this matter.

B. Report to K.E.R. "South Amole District"

Porphyry Copper Exploration, May 18, 1960. Map which accompanies this report includes the geology of the S. X. Reservation as well as the Amole District.

I estimate at least 3 weeks field reconnaissance checking the S.X. Reservation surface and reviewing S.X. drill core.

The bulk of the report is general, and pertains as much to the S.X. as to the Amole District. I estimate 2 weeks report writing and one week map preparation. Drafting department time would be in addition to this.

The above report transmitted: KR to CPP May 17, 1960. Also refer to letter KR to CPP Amole District, Park Hill area, North Boundary area



dated May 18, 1960. Specifically refers to proposed exploration on S. X. Reservation, and states my report in preparation, said report above mentioned. Certainly 1/2 of my report and map preparation time should be chargeable to S.X., which would be 1 1/2 weeks.



General San Xavier Work

A. Dave Beck spent several weeks, perhaps even as much as 2 months, working on geologic cross-sections through the Banner - S.X. ground.

I have no recollection of the year this work was done, but probably either about 1960, before sacaton began, or else shortly after sacaton shut down in 1963. In any event, the work was done in our old Valley Bank office. He probably spent at least one week on the S.X. part of the sections.

B. During the summer of 1964, Burt DeVere made composite samples of the drill holes in southern Tract II. He was occupied thusly for nearly 2 months. My time in selecting the composite intervals, and supervising DeVere, I estimate to have been 2 or 3 weeks. We had difficulty in checking old results with the first group of composite samples assayed at Hawley and Hawley. These first 20 and the remaining 20 composites were assayed both at Mission and El Paso.

1. My records also show letter from P.A. Lewis to JEK, Nov. 27, 64, transmitting assays for total Cu and  $\text{MoS}_2$  on 40 composites, with a few Au, Ag, Zn, and Pb on scattered samples.
2. I also have record of file memo, SAN XAVIER TRACT II, COMPOSITE ASSAYS, by JEK 1/11/65, summarizing



results of 40 Cu assays by Mission Vs original wt'd average, and the same comparison for 20 assays by Hawley and Hawley.

3. I find record of 40 total copper assays done by El Paso transmitted to N. Weiss 7/6/65, by G. G. Gunther with copy to S. Tainter.
4. Regarding these assaying checks, my time in talking with Ron Burton at Mission, with Hawley and Hawley, and analysis of results, probably represents 5 days.

C. At the request of JHC, I reviewed the geology and ore distribution on southern Tract 2, in Dec. of 1964, and prepared a report thereon, proposing initial interspaced drill holes, in part designed to aid in selection of a site for an exploration/mining shaft for an underground operation - a possibility advanced at that time. My report is dated 1/4/65, to JHC from JEK, and transmitted to RBM by JHC 1/18/65. I estimate that preparation of maps, cross-sections, and report must have taken 3 weeks of my time.

D. As you know, we have had many visitors to the Mission - San Xavier area. During the years 1960-1965, while I have no existing records to document these visits, including both outsiders and newly hired company geologists, I must have visited the area at least 15 times - perhaps 20, at roughly 1/2 day each time on the San Xavier Ground.

