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PROGRESS REPORT

COW CREEK PROSPECT

Elko County, Nevada

Divide District

Rock Creek district

CRUSON & PANSZE, Geologists

Golden, Colorado

75) Item 11

PROGRESS REPORT COW CREEK PROSPECT Ltow ! Elko County, Nevada Divide District Rock Creek district

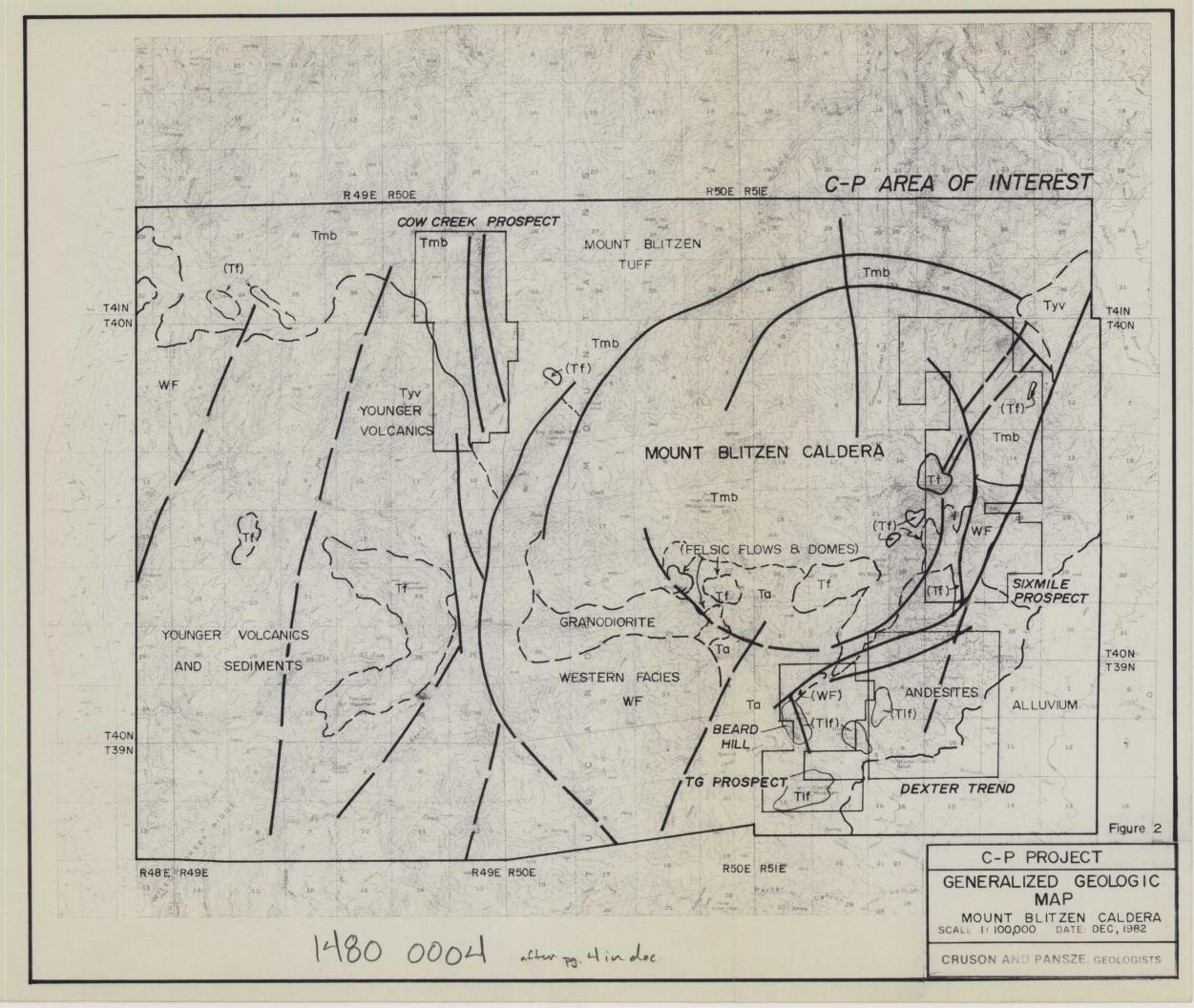
> Ву Michael G. Cruson Fred W. Limbach

> > May, 1985

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ABSTRACT

The Cow Creek prospect is located within the province of giant gold mines of northeastern Nevada. The prospect is a bulk-tonnage gold and silver target hosted by Tertiary rhyolite tuffs and Paleozoic carbonaceous sediments. Large alteration zones consist of pervasive clay, disseminated quartz-sericite, silicified veins and quartz stockworks. Massive silica and quartz breccias are present in numerous localities. Barite is common in and adjacent to veins and pyrite/marcasite, stibnite, and ruby silver are locally preserved in the massive silica. Limited soil and rock sampling has revealed large areas highly anomalous in As, Sb, Hg, Ag, and Au. Wide spread drilling has detected thick intercepts of enriched gold and silver values. Two holes encountered approximately 100 feet of ore grade gold mineralization and should be offset to test a more favorable geologic structure to the east. Detailed surface sampling followed by additional drilling is warranted in several areas throughout this huge hydrothermal system.

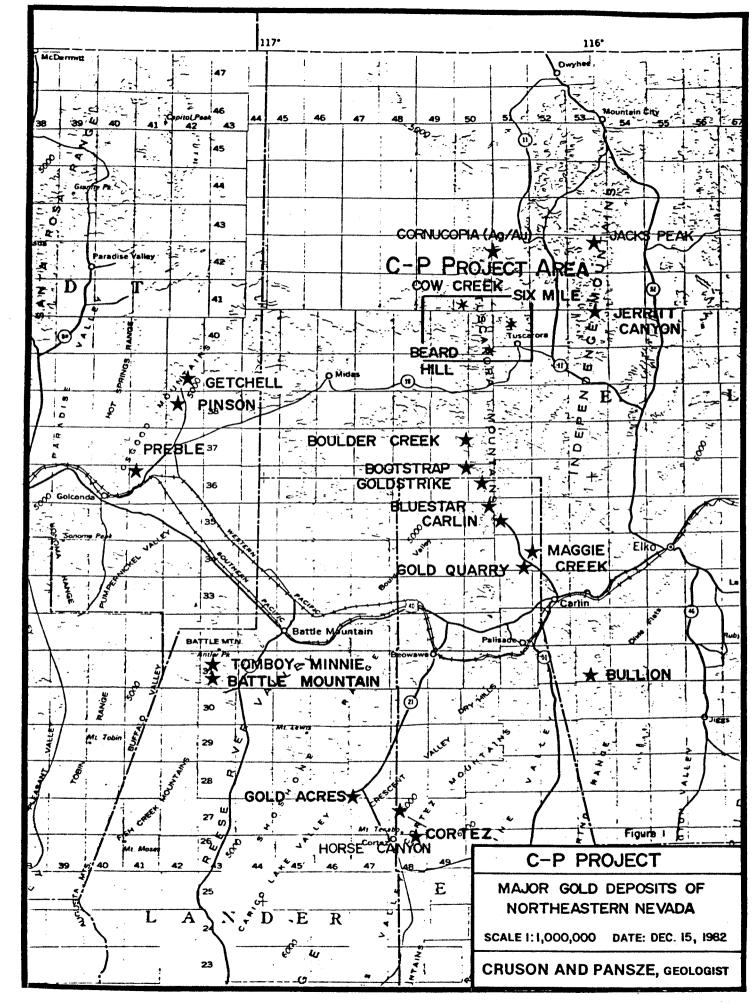
INTRODUCTION

The Cow Creek prospect is in northwest Elko County, Nevada (fig. 1). The prospect covers portions of sections 29 through

33, T41N, R50E, and sections 1 and 2 of T40N, R49E. The prospect ROCK CREEK District consists of 162 located lode claims (CPl through 162) on BLM-managed public domain.

The surface mineralization at Cow Creek was discovered in 1982 by Cruson and Pansze during a reconnaissance exploration program. The project (C-P Project) was funded by Shell Oil Company and covered a large area and other prospects. Shell Oil took over the Cow Creek project in early 1983 and carried out surface and subsurface exploration in the 1983 and 1984 field seasons. Early in 1985 Shell Oil relinquished all it's interest in the Cow Creek prospect to Cruson and Pansze.

The work at Cow Creek has been divided among several entities. Fred Limbach of Cruson and Pansze did the early reconnaissance mapping and sampling of the prospect. Shell hired Robert Seklemian to do the detailed surface mapping. A. J. Deaderick supervised the drilling of eleven holes on the Cow Creek prospect for Shell in 1983. Martha J. Edick-Ellis carried out the drilling of twelve additional holes in 1984. Drill hole summaries of all the holes are included in the pocket of this report.



GEOLOGIC SETTING

Paleozoic

The Cow Creek prospect is located in the northeast-trending Cordilleran geosyncline. The geosyncline was disrupted in Devonian time by the Antler orogeny (Roberts and others, 1971). During the Antler orogeny cherts and siltstones of the "Western Facies" rocks were thrust over carbonates of the "Eastern Facies". The Cow Creek prospect lies within the transitional facies of the northeast-trending axis of the Antler orogenic belt.

Mt. Blitzen Caldera

The Mesozoic and Cenozoic geology of the northern Tuscarora Mountains is dominated by volcanism and hot springs activity. The Mt. Blitzen caldera, which is probably early Tertiary, may be the source of the voluminous ash-flow deposits that mantle this portion of Nevada (Limbach and Cruson, 1982). Creek prospect is located along the western edge of the Mt. Blitzen caldera (fig. 2).

Gold Mineralization

The Cow Creek prospect is located within the province of giant gold mines in northeastern Nevada. Countless prospects and over 20 active gold mines with nearly 20 million ounces of recoverable gold mark this region as the premier gold exploration province in the United States. Roberts and others (1971) place Tuscarora on the Shoshone-Jarbrige mineral belt and relate this district and other major deposits to regional structures. High heat flow with associated hot springs activity is well documented throughout this region and may be the origin of relatively young precious metal deposits.

Numerous recent discoveries attest to the immature nature of exploration in this region. Figure 1 shows the Cow Creek prospect in relation to important prospects and operating mines.

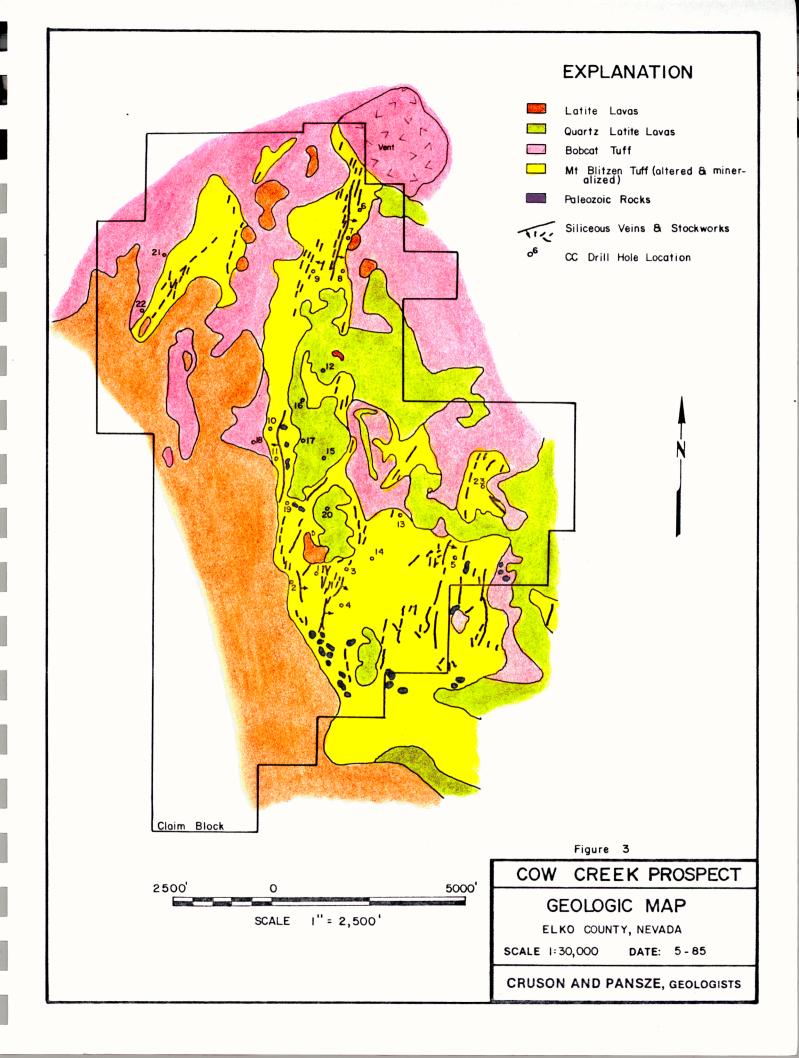
GEOLOGY

The geology of the Cow Creek prospect is dominated by at least six square miles of intensely altered ash flows (fig. 3). The ash flows, which are rhyolite in composition, are partially covered by post mineral quartz latite to rhyolite flows and tuffs. Porphyritic dikes, plugs, and breccias of diverse composition outline several suspected volcanic centers.

Alteration is widespread and increases from quartz and clay on the north to widespread sericitic alteration in the southern portion of the prospect (Seklemian, 1983). Quartz stockworks are abundant throughout the project. Most of the stockworks and breccia zone are related to north-trending structures but two equidimensional stockworks may be pipelike bodies. Large silicified breccias are characterized by barite, stibnite, pyrite/marcasite, and ruby silver.

Structure of the Cow Creek prospect is dominated by a series of faults that trend north-northeast. It is unclear whether these faults are part of the ring fracture of the Mt. Blitzen caldera or later block faulting. These structures, which are not occupied by large quartz veins and stockworks, generally have a southeast dip. A noteable exception is a large quartz-barite structure on the west edge of the altered tuff that dips 45 degrees west. Two parallel, northtrending structures appear to be post mineral. The eastern most





	structure follows Red Cow Creek while the western structure
	is along the western contact of the altered tuff with post-
	mineral flows.
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GEOCHEMISTRY

The Cow Creek prospect has not been adequately sampled. Approximately 55 rock-chip samples were taken on the Cow Creek prospect during the initial reconnaissance. As the claim staking took place soil samples were obtained at all corners and side centers. During the two seasons of subsurface exploration by Shell Oil Company 26 rock-chip samples and 20 soil samples were taken.

Surface rock-ship samples from silicified areas are highly anomalous in Au, Ag, As, Sb, and Hg (Table 1 and Appendix A and B). Rock samples commonly contain 1000's of ppm As, 100's of ppm Sb, and several ppm Hg. Gold is detectable in most of the samples and the highest value is 0.96 ppm. Silver is much more abundant with several samples containing 5 to 10 opt Ag. The Ag/Au ratio is normally in excess of 100 but one area in the southern portion of the claim has a Ag/Au ratio of 7 to 22. This same area has relatively low mercury content.

The soil samples show large areas with very anomalous As, Sb, Hg, and Ag. The anomalous areas are several square miles in extent and range up to 447 ppm As, 29 ppm Sb, and over 2 ppm Ag. The highest Hg anomaly (1-4 ppm) occurs around the Teapot Mercury Mine. Gold was dectected in two soil samples.

The mineralization at Cow Creek indicates a crude zoning. The zoning is concentric to the volcanic center just west of

TABLE 1

Geochemical Statistics for Rock and Soil Samples

1982 SAMPLING

	55 rock	samples	385 soil sample	S			
Element	Mean (ppm)	Range (ppm)	Mean (ppm) Range	(ppm)			
Au	0.12	0.02-0.96	0.02	-0.06			
Ag	7.3	0.3-603	0.6 0.1	-3.0			
As	1,168	1-14,000	35 1-	447			
Sb	217	1-6,168	3 1-	1-43			
Hg	3.45	0.03-506	0.19 0.01	-12.16			

1983 SAMPLING

	26 rock	samples	20 soil samples
Element	Mean (ppm)	Range (ppm)	Mean (ppm) Range (ppm)
Au	0.06	0.02-0.27	not detected
Ag	6.7	0.4-102	0.16 0.05-0.40
As	855	215-2,000	132 10-475
Sb	679	6-11,400	12 3-34
Hg	2.30	0.14-30.3	0.08 0.05-0.18

holes 10, 11, and 18. The central part of the zone is characterized by lower Ag/Au ratios and high As and Sb. The higher silver values are peripheral to this zone. Mercury is present in the silver zone but is usually more distal. More sampling will be required to accurately delineate the mineral zoning.

EXPLORATION TARGETS

Carbonaceous Sediments

The southwestern portion of the prospect is underlain by carbonaceous siltstones. These favorable lithologies are adjacent to a huge hydrothermal system that has mineralized several square miles with As, Sb, and Hg. Low grade gold and silver is also present locally. The contact between the Paleozoic sediments and the intensely altered ash flows may be the ring fracture of the Mt. Blitzen caldera.

One Hole (CC-2) penetrated a portion of the Paleozoic section. The top 265 ft of this hole penetrated altered tuff with numerous gold shows. At 240 ft the hole encountered 25 ft of weak gold mineralization and then bottomed in 135 ft of pyritized, carbonacous siltstone. The bottom 180 ft of this hole contained 0.1 opt Ag and was increasing noteably in the bottom 50 feet.

Most of the Paleozoic sediments are covered by postmineral tuffs and flows. However, the numerous altered siltstone blocks that have been mapped as landslide debris may be
basement. No rock-chip samples were taken from the altered
volcanic rocks known to overlie the siltstones. However,
8 of 9 rock-chip samples taken near the contact between the
volcanic rocks and the siltstones contained gold. The
southern most four samples covered an area 300 x 1000 ft

averaged 0.01 opt gold. These samples also contained hundreds of ppm Sb, thousands of ppm As, and anomalous mercury. The mercury content is lower than the surrounding area suggesting a zoning where the highest gold content coincides with lower mercury content and a lower Ag/Au ratio.

Soil samples in the vicinity of the Paleozoic siltstone are highly anomalous in As, Sb, and Hg. An area 1000×1000 contains over 300 ppm As and 15 ppm Sb. The mercury anomaly in the soils is offset from the arsenic and antimony and averages 0.30 ppm Hg in the sieved soil samples.

The underlying Paleozoic sediments may be tested by sampling the numerous silicified siltstones in the southwest portion of the claim block. Drilling an eastern offset to CC-2 would test the Paleozoic sediments where there is better structural preparation and surface geochemistry.

Moderately Welded Tuff

Holes 10 and 11 each penetrated 100 ft of moderately welded tuff that contained 0.02 opt gold. These holes were drilled to test a west dipping structure with abundant barite and silica with low level gold and silver content. The structure, which was intercepted at 50 ft, contained only trace amounts of gold and silver. The structure is the feeder system for the mineralization in the unwelded zone. The principal target is where the unwelded zone is adjacent to the structure.

The surface mineralization is all to the east of the holes 10 and 11. A soil anomaly contains up to 150 ppm As, and 5 ppm Sb. Five rock chip samples of the structure are tabulated below:

Sample No.	<u>As</u>	<u>Sb</u>	<u>Hg</u>	<u>Ag</u>	<u>Au</u> (ppm)
FR30	466	46	3.49	1.9	.10
FR86	2136	98	1.43	1.3	.09
RX5951	650	39	1.05	2.3	
FR31	2186	17	0.26	1.1	
RX5949	850	52	1.85	1.2	

Hole 18 was drilled between 10 and 11 but 300 ft west. The hole encountered the structure at 220 ft where low grade gold (0.00% opt Au) and silver (1-2 ppm) mineralization was present over 65 feet. The massive silica and barite of the silica cap were not reported in the cuttings some 150 ft deeper

where precious metal values increased. The compaction layering in the ash flow tuffs dip 32° west indicating that the mineralized unwelded zone in hole 10 was not intercepted by holes 17 or 18. Hole 17, which was spudded 800 ft east and 200 ft vertically below the collar of hole 10, is east of the surface projection of the mineralized zone. No sampling has been done in the area where the zone projects to the surface.

North Zone

The North Zone, which lies west of holes 6, 7, and 8 is of at least one square mile in size and consists of quartz stockworks and massive silica zones. The window exposing intensely altered lithic tuffs beneath post mineral flows is marked by abundant "hot springs" indicator elements and low level gold and silver mineralization. The thick (100 to 250 ft) silica cap with traces of precious metals may overlie a major precious metals deposit.

The soils overlying the North Zone are strongly anomalous in arsenic and antimony. The central portion of the soil anomaly is 1000 by 1500 ft and contains over 400 ppm arsenic and ten's of ppm antimony.

The sparse rock chip sampling confirmed the anomalous soil samples. Only thirteen rock chip samples were taken but all are strongly anomalous in arsenic, antimony, mercury, and silver. Four of the rock chip samples contained gold with the highest being 0.03 opt gold. Arsenic content of the rocks is commonly

in the thousands of ppm. The antimony content is in ten's to hundred's of ppm with a high of over 5000 ppm Sb. Almost all the mercury analyses show several ppm. The silver content is normally a few tenth's of an ounce with a maximum of approximately 4 ounces of silver per ton.

Four vertical rotary drill holes tested a portion of the North Zone in 1983. Three of the holes (6, 7, and 8) were drilled on an east-dipping structure along the east side of the surface alteration. The fourth hole (9) was drilled to test a structural intersection south of the known surface mineralization. Low level silver mineralization associated with a shallow, massive silicified zone were encountered in the subsurface (Deaderick, 1983).

An excellent drill target exists just to the northwest of holes drilled to date. This area is partially covered but contains known gold mineralization and the highest concentration of "hot springs" elements in both soil and rock chip samples. A thorough sampling program and detailed geologic mapping would better focus the drilling to test this large target. Geophysics might be utilized to look beneath the post-mineral volcanic cover.

Volcanic Centers

Three or possibly four volcanic centers in the Cow Creek prospect are attractive exploration targets. The volcanic centers are well developed plumbing systems that controlled

the later hydrothermal solutions. The volcanic centers are complex with numerous post mineral intrusions and flows. The individual volcanic centers are defined by quaquaversal or centripetal flow layering or compaction features, intrusive activity, and the overall complexity of the area.

The best documented volcanic center at Cow Creek is just west of holes 10 and 18. This area is partially covered with post mineral flows but several intrusive rocks may be present. The steep dips in the vicinity of barite and pyrite mineralization to the northwest may be a part of this center. Holes 21 and 22 tested the northwest portion of the volcanic center. Hole 18, with its 400 ft of low grade gold mineralization, is interpreted to be on the east edge of the center.

Holes 1, 2, 3, and 14 form a fence across a volcanic center in the central portion of the prospect. Hole 4A is on the southern edge of this feature. Holes 2 and 4A intersected thick intervals of low grade precious metal mineralization. While hole 4A had almost complete massive silica replacement from the surface to TD at 460 ft almost no gold was present and only a few ppm silver. Hole 4A is easily the best sample of nearly complete replacement of tuff over hundreds of ft. Highly anomalous values of As, Sb, and Hg are present in the surface rocks and soils. Gold was detected in 6 of 7 select rock chip samples taken in the area. Four of the same samples were anomalous in silver.

An area of anomalous silver mineralization in the eastern portion of the claim block may be a volcanic center. An area 1800 x 1000 ft has been tested by four rock chip samples that average over 3 opt silver. Gold is also present with very anomalous As, Sb, and Hg. Holes 5 and 23 bracket the best surface mineralization but were 2000 ft apart.

An area 1000 x 1500 ft in the highly altered, southern portion of the claim block may be a volcanic center. The core of the area is underlain by a post mineral autobrecciated quartz latite. Altered siltstones with abundant barite and pyrite is more distal. Four rock chip samples over an area 500 x 1500 average 0.01 opt gold with a low mercury content. Antimony and arsenic are very anomalous in all samples. Silver anomalies are zoned outside the higher gold values. Silver to gold ratios are 7 to 22 in the central portion of the area but increase to over 100 away from the low mercury, high gold zone. No drilling or detailed sampling and mapping have been done in this anomalous area at the south end of the claim block.

Mercury Mine. The old Teapot Mercury Mine merits continued evaluation. This mine has a recorded production of 26 flasks of mercury (Bailey and Phoenix, 1944) and has had several generations of mercury exploration. Rock and soil samples contain up to 506 and 4 ppm Hg, respectively. Only 2 rock chip samples were taken over the one square mile of alteration and mineralization. These samples were anomalous in silver, arsenic, and antimony, as well as mercury.

CONCLUSIONS

- Crude grid drilling did not adequately test the large area.
- Surface mapping alone is not a satisfactory technique for locating drill holes.
- 3. Five rock-chip samples per square mile and soil samples on claim corners and side centers are not adequate to focus subsurface exploration.
- 4. The Paleozoic sediments are an excellent host for gold mineralization and should be thoroughly evaluated.
- 5. The volcanic rocks host much of the mineralization and should be studied in detail.

RECOMMENDATIONS

- Detailed mapping and extensive geochemical sampling should be carried out to focus continued subsurface exploration.
- 2. The thick mineralization in the unwelded zone of holes 10 and 11 should be offset to the east.
- 3. The large mineralized area at the north end of the property (the North Zone) should be tested by drilling 4 to 6 holes.
- 4. Hole 18 should be offset to the west to test the intersection of the thick mineralized unwelded zone with the quartz-barite fault.

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APPENDIX A
Rock Sample Descriptions

- FR-18 Latite tuff, (?) altered, argillized, weakly silicified, 5% vfg diss py, tr cinnabar

 FR-19 Latite tuff, argillized, dump sample, shear in shallow shaft trends N33W. 70NE
- FR-20 Brecciated qtz latite tuff, cemented by quartz, cocks-comb texture, mod limonite, vein trends N10E, 80SE
- FR-21 Vein material, silica, 5% diss py and bladed marcasite, jarosite, dump sample, vein trends N15W, 80SW, caved adit
- FR-22 Vein material, dump sample, description similar to FR-21
- FR-23 Vein material, several stages of quartz veining, tr stibnite, 5% marcasite - pyrite, short adit, shear trends NlOW, vertical
- FR-24 Vein material, several stages of quartz veining, tr cinnabar, tr stibnite, 5% bladed marcasite, minor limonite, dump sample from short adit, vein N25E, 70SE
- FR-25 Vein material, quartz cutting argillized qtz latite, vein has tr stibnite, 5% marcasite, mod limonite and jarosite, outcrop, qtz vein 8" wide, vein N15E 68NW
- FR-26 Vein material, qtz vein with several stages of veining, no visible sulfides, outcrop
- FR-27 Vein material, oxidized, no sulfides, limonite and jarosite, vein 16" wide, NlOE 85SE, outcrop
- FR-28 Vein material, silica, outcrop, tr py, oxidized, limonite and jarosite, vein N15E 73SE
- FR-29 Brecciated and quartz veined qtz latite ash flow, moderate limonite and jarosite, 2-5% pyrite, several stages of quartz veining, outcrop
- FR-30 Quartz vein material, outcrop, no sulfides moderate limonite and jarosite
- FR-31 Brecciated and quartz veined qtz latite (?) tuff, moderate limonite and jarosite, no sulfides, outcrop
- FR-32 Outcrop sample, silicified shear zone, lithic-rich, qtz latite-rhyolite tuff, 1-3% marcasite, qtz veinlets, partly oxidized, mod limonite and jarosite
- FR-33 Float sample, brecciated Paleozoic qtzite, dk grey, silicified, no sulfides, mod limonite, weak quartz veining

FR-34 Dump sample, high grade material, gtz vein, 1-3% pyrite-marcasite, mod limonite and jarosite FR-35 Sample from adit, quartz latite-rhyolite tuff, senicitized, 1-3% finely diss pyrite, traces gypsum, strong limonite and jarosite FR-36 Outcrop sample, silicified shear zone N30W, 70NE, Paleozoic qtzite, qtz veining, tr pyrite and barite, weakly silicified, weakly oxidized Dump sample, qtz vein material, 5 ft. deep prospect pit, FR-37 vein in qtz latite-rhyolite tuff (sericitized and silicified), tr stibrite and pyrite, strong limonite FR-38 Dump sample, high grade qtz material in qtz latiterhyolite tuff, prospect shaft 20' deep, 1-3% pyrite-marcasite FR-39 Outcrop sample, qtz latite-rhyolite tuff, oxidized, strong limonite and hematite, may be brecciated, weakly silicified FR-40 Outcrop sample, silicified qtz latite rhyolite tuff, oxidized, strong limonite and hematite, tr pyrite, qtz veining trends N65E, vert FR-64 Outcrop, Tmb, silicified, qtz veinlets, mod lim and jarosite, tr ruby silver FR-65 Dump Tmb, qtz veinlets, barite, 1-3% py, mod lim Outcrop, WF breccia, mod lim FR-66 Dump, Tmb, qtz vein 1-2% diss py, tr barite, mod FR-67 lim and jarosite Outcrop, barite vein, mod lim and hem FR-68 FR-69 Outcrop, Tmb, qtz veinlets, veining trends N22E, 64 SE, 1-3% py FR-70 Outcrop, Tmb, qtz vein, tr jarosite, mod lim Outcrop, Tmb, silicified, strong lim FR-71 FR-72 Similar to FR-71 Dump, qtz vein in Tmb, tr ruby silver, 1-3% FeS, FR-73 FR-74 Outcrop, similar to FR-73 Dump, qtz vein in Tmb, vein trends N22E, 47 SE, 5% FR-75 FeS2, 1-2% stibrite

FR-84 Dump, qtz vein material, 2-5% FeS2, dense qtz FR-85 Outcrop, Tmb, silicified, mod FeOx Outcrop, biotite latite porphyry, flow breccia FR-86 FR-87 Outcrop, barite vein, spec hem Outcrop, silicified Tmb, slickensides, mod FeO, AR-14 Light grey, moderately argillicly and silicicly JR-70 altered Tmb with quartz veinlets, general rock type sample JR-71 Same as JR-70 JR-72 Moderately argillicly and siliceously altered Tmb. As above, with drusy quartz on fractures and minor JR-73 iron oxide staining. Iron oxide stained, very argillicly altered Tmb, from JR-74 prospect. Iron oxide stained, siliceous vein material with JR-75 2.3% visible pyrite, from prospect. Intensely iron oxide stained, moderate argillic JR-76 and silicic Tmb. JR-153 Silicified, iron oxide stained Twb. Heavily iron oxide stained, argillically and JR-154 siliceously altered Tmb with quartz stringer. Select outcrop sample. Argillically altered Tmb with heavy iron oxide staining JR-155 on quartz veinlets. Jasperoidal (?) WF fault breccia. Secondary silica: JR-156 minor iron oxide staining, general outcrop sample. JR-157 Heavily iron oxide stained, slightly silicified argillically altered Tmb. Select sample from outcrop. Silicified WF from structure. JR-158 General outcrop sample. Material from siliceous vein in argillically altered, JR-159

limonitically stained, Tmb. Select sample from

prospect.

RX 5784	Outcrop of intensely silicified rhyolite tuff, 5% pyrite, minor sericitie and clay
RX 5785	Outcrop of breccia structure in Mount Blitizen tuff, extensive silicification of host, multiple healing of breccia
RX 5786	Outcrop of silicified Mount Blitzen tuff, pyrite and stibnite present, argillic alteration
RX 5787	Outcrop of silicified fracture zone in Mount Blitzen tuff, 2-3% pyrite, late comb quartz filling
RX 5788	Outcrop of silicified fracture vein in Mount Blitzen tuff, 2% pyrite, barite
RX 5789	Outcrop of oxidized massive sulfide veinlet, 20% pyrite, massive vein with secondary comb veining
RX 5790	Outcrop of fault gouge, blue-grey clay, abundant pyrite
RX 5791	Dump sample of silicified structure in Mount Blitzen tuff, massive 10-15 ft silica with comb quartz, very abundant sulfides, minor stibnite
RX 5792	Channel sample along road cut, ferrugirous con- glomerate in creek, highly oxidized
RX 5938	Chip channel sample of siliceous vein with some argillicly altered Mount Blitzen tuff
RX 5939	Chip channel sample of siliceous vein with stock-work in Mount Blitzen tuff
RX 5940	Chip channel sample of siliceous vein with altered Mount Blitzen tuff
RX 5941	Similar to 5940
RX 5942	Similar to 5940
RX 5947	Similar to 5940
RX 5948	Similar to 5940
RX 5949	Similar to 5940
RX 5950	Similar to 5940
RX 5951	Similar to 5940

RX 7019	Chip channel sample of totally silicified Mount Blitzen, minor breccia
RX 7020	Chip channel sample of fractured and argillic altered Mount Blitzen tuff and brecciated silver veins
RX 7021	Chip channel sample of Mount Blitzen tuff, silicified with secondary veins
RX 7022	Chip channel sample of brecciated and silicified vein in Mount Blitzen tuff, abundant iron oxide
RX 7023	Chip channel sample of pervasively silicified Mount Blitzen tuff, minor marcasite
RX 7024	Chip channel sample of siliceous vein, dis- seminated marcasite
RX 7025	Chip channel sample of fractured and altered Mount Blitzen tuff, disseminated marcasite

APPENDIX B

Rock Sample Results

City Obait Street, Suite 1						- ! .
121 ewood Colorado 80215 (303 232-8371		ANALYTICA	d Errors		1226	•
			re refuti			~
tr. Fred W. Limbech						
Cruson and Fansze					F:0 4	!
1019 8th St., 4300					FROJE	7
Golden, CO 80401					C-F	- 1
□ = 1 × 1 =					- •	
SAMPLE	F·F·H	FFM		:		İ
URUHRER	AG	46 .	FFM	F·F·M	F·F·H	F·F·+
FR-18			AS	SF	ΑŬ	
FE-19		0.9	18	2	<.02	НБ
· ·		1.2	21	<1	<.02	396.0
_FE-20		_			1.02	506.0
FE-21		1.4	1859	50	<.02	0 44
UFK-22		2.3	8165	65	0.10	0.11
FR-23		2.4	2610	74	<.02	0.10
FE-24		22.5	1.4%	304	0.03	1.12
· U		603.0	1848	277	0.96	0.22
FR-25		· -		— - •	V• 76	0.64
∏FK-26		3.8	1105	5017	0.18	4.40
FR-27		1.9	1219	202	<.02	
FR-28		0.9	216	37	<.02	7.85
FE-30		118.9	3860	133	0.25	3.74
		1.9	466	46	<.02	3.14
FR:-31				- 0	V•02	3.49
rff:-29		1.1	2186	17	<.02	0 01
		19.5	1752.	83	0.10	0.26
FR-32					0.10	5.12
£k-33		5.9	5232	92	0.26	0.12
K-34		1.3	87	5	<.02	0.22
FK-35		5.5	6540	120	0.29	0.03
FR-36		2.0	2627	12	0.27	0.03
		26.3	1079	32	<.02	1.65
ĻR-37					*****	1.00
FR-38		17.8	3979	6168	0.19	0.13
Fr-39		3.7	3335	80	0.10	1.50
-LR-40		1.0	2780	248	<.02	29.64
		6.1	1679	162	0.04]	2.85
∏R-64						
R-65		100.9	143	36	0.04	4.7
FR-66		2.7	2509	57	0.07	0.4
		0.3	9	<1	<.02	i
R-67		6.0	424	1053	<.02	0.0
LR-68 ·		0.7	1151	348	<.02	8.4
C: 40				5.10	1.02	13.58
R-69		0.8	376	83	A A3	
LK-70		2.9	251	74	0.03	6.98
FR-71		0.9	894	16	0.18	3.14
1 √-72		2.0	1443		0.06	0.23
此-73		301.0	2010	19 195	0.06	0.74
			~ V 1 V	185	0.20	1.52
FT-74		30.6	907	107		_
FU-75'-		49.4	49 6	103	0.15	1.62
		•••	076	4777	0.06	5.70
F84		1.7	764	50	<.02	0.04
ह ं-85		11.6	344	607	<.02	4.75
FK-86	•	1.1	8	1	<.02	
F _F :-87		1.3	2136	98	0.09	0.05
4 -14		1.0	47			1.43
······································		1.0	7/	17	<.02	1.54
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CON	===				O		
GEOCHEMI 810 Quall Street, Lakewood, Color (303) 232-8371	Suita I		ANALYTIC	CAL REPOR	ī		3180 us-82 1
Mr. Fred W Cruson and 1019 Bth S Golden, CO	d Pansze St., 4300					PO # PROJ Shel	
SAMPLE NUMBER	-	PP1 AG	f FPM AS	PPM SB	PPM AU	PP1 HG	1
JR-70 JR-71		0.7 0.8	-	<1 <1	<.02 <.02	0.04 0.06	
JR-72 JR-73 JR-74 JR-75 JR-76	•	0.7 0.6 3.5 7.6 309.0	373 725	<1 1 12 11	<.02 <.02 . 0.36	25.9 0.3	8 8
JR-153 JR-154 JR-155 JR-156		0.6 0.8 1.2	34 536 40	338 5 56 6	<.02 <.02 <.02	18.1 0.91 5.32 0.09	4
JR-157 JR-158 JR-159		1.0	1583 470 1719 682	119 12 31 55	<.02 <.02 0.03 0.05	5.98 0.08 0.37	•
	Ag ppi	m.	Dan			0.80	
D-1	20.5	<u></u>	Au ppm <.02	As ppm 1,500	<u>sb</u>		Hg ppb
ITEM	SAMPLE NO.	Au (ppm)	Aq (ppm)	As (ppm)		 Se ppm)	
1	CC #1	.08	1.4	1850.	48.	2.	

COW CREEK PROJECT ELKO COUNTY, NEVADA 1983 SURFACE GEOCHEMICAL DATA SUMMARY SHEET

		æ										29	#	٠,) d	* 4	• •	۲ ;	₽ (<u>o</u> ;	? ·	_	6	13	10	10	12		-	
•		J.									:	-18 8	12	17	90	10	12		ר ה	, 6 ,	6	r .	80 #	53	37	36	34	+	34	63
GEOCHEMICAL ANALYSES	(EL	Hg (ppb)	7,600	295	1,155	165	0 4	30 750	00,000	1 275	0.26	057	230	985	3,150	275	1,425	535	305	1,850	200	1 050	050	160	3,	755	2,200	2,100	049	1,450
CEOCHEMIC	ť	as a	69	89	3,900	150	. 19	; £		11.400	, v) r	75	ر در	30	94	6	23	24	52	33	39	25) č	3 3	٠ ر	54	33	07	19
	As		240	+1,000	950	+1,000	950	+1,000	475	250	004	1,375	006		1,375	950	215	215	400	850	850	650	250	1,125	050	000	850	950	671,	4 2 5
	Ag		c.0	25.8	10.0	2.7	3.2	0.5	1.6	104.0	4.0	1.2	1.2		, d	9.0	0.7	1.6	1.1	1.2	0.7	2.3	9.0	2.2	1.2	; ; ;		0.1		, • ,
•	Υn	50 -		0.17	0.05	0.24	0.27	0.05	05	0.05	05	0.05	0.10	0.10	2 0	60.0			05	05	0.05	05	05	05	05	05	0.05	05	י	3
SAMPLE COORDINATES	NORTH (Y)	2,414,474	2.415 939	2 415 244	447°C:+67	64661467	1486/1467	2,420,353	2,419,169	2,419,451	2,419,109	2,417,667	2,417,832	2,418,179	2,418,357	2,418,619	2,419,061	6 4 4 9 061	2 413,037	2,421,300	21Ce01Fe3	9/5,274,5	2,426,485	2,426,404	2,426,582	2,426,732	2,426,967	2,427,361	2,427,895	•
SAMPLE	EAST (X)	281,693.7	281,770.1	279,207,1	279.535 K	281 756 3	2.0016.02	2,055,055	283 110 3	2.011,202	0.000,000	200,285.2	280,336,6	279,479.6	279,651.1	280,693.4	283,327,1	283,262,1	278.772.5	280,337.4	278,631 6	270 301 5	270 513 0	230 050	4.000,6/7	279,676.7	279,723.6	279,807.0	279,946.5	
SAMPLE	NUMBER	RX 5784	RX 5785	RX 5786	RX 5787	RX 5788		RX 5790	RX 5791	RX 5792		0000 00	NA 3939	KX 5940	RX 5941	RX 5942	RX 5947	RX 5948	RX 5949	RX 5950	RX 5951	RX 7019	RX 7020	RX 7021		KA /022	RX 7023	RX 7024	RX 7025	

APPENDIX C
Drill Hole Summaries

HOLE NO. DH-CC-1 DRILL HOLE SUMMARY CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW EXEEK (CP) STATE NEVALA COUNTY ELKO SECTION 1/2 1 T. 40N R. 49E DATE DRILLED 8/2/83 LOGGER A. J. DEADRICK LAB. _ MUNITER LAbs (DETECTION LIMIT 020 04.1 AG (PPM) AU (PPM) 0.15 GEOL. SUMMARY <u> † 111</u> COLL F DEDUS Hype - Hyelgy mod-wk oxid . WK - MOD REAL SILICIF 11 7 'NO SULFS MOD NEGILL ALT. Ltgy w/ wk yel MOD AROUL ALT.
TR DISSEM PY
MOD LACE PY 1-29 MOD LACE OXID VN W/CLAY BORDERS PYZ-3% WK OXID MOD STRE AREAL ALT SUF-LIQU STREADNIL PYR-38 MOD S.O.2 DISSEM ABUND SULF. LI BLU 9 PY 3-4% VN/COMB WW-ZZ VN/COMB WW-ZZ VN/CZ VN/ BUF-LIGY STRG ARGULALT WKSEL ALT VN PY-DISSEMPY TR>3% WPEATH 11-11-11-11 WK-MOD SUICIF LIGY - PYI-25
WK MOD STUK YN
SILIOIF W/
VN QTZ , WK MOD PY
MOD ARGUL. ALT LIGY -BUF-LT GY STRG. ARGILL ALT MOD PHENO TXT V.WK MICRO BRC PY1-29 TR. PALEOZ FRAG y.wk micro brc wk-mod.silicif. SERICITIC ALT THRU IMERUAL TR-CELACONITE 11. LTGY PY1-29
MOD SIOS DISSEM
NO PHENOTO PY2-3%
WK-SULF VY PH 1-29 BUF-LTGY STRG ARGUL ALI NO PHENO TXT WKSER ALT PY 1-2% LTGY WE MOD PHEND TXT NOD SIOZ ABUND DP MOD ARGILL. 30 - T. D.

HOLE NO. DH-CC-Z DRILL HOLE SUMMARY CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW CREEK (C-P) STATE NEVADA COUNTY ELKO SECTION 1 T. 40N R. 49E DATE DRILLED 8-3-83 LOGGER A.J. DENDERICK LAB. MONITOR LABS. DETECTION LIMIT AU (PPm) AG (PPm) 0.05 0.15 2.0 GEOL. SUMMARY CALL WISCH, IN FERGS W/ PALEDI ALT-SILICIF LIDEC JENIMB . Alexand dalbog ken irk-mod Beeccustmy NO PHENO MO STEE A MARGIN AND IN A MARGIN AND FELL AND A MARGIN AND FELL AND A MARGIN AND A 100 STRG VN MIRERLY WY PRIM. PY V STRG PIZ-4% V STRG PIZ-Y PALKOE KENO /00% SAU FELO. V.WK. PHENO TXF PY3%TR VN OT ABIND PALEDZ CAEB. ARGUNTE WK COMB OTE ABUND PALEOZ CALIS ARGILLITE LTGGTZ VN STRG ARGUL ALT MOD S.OZ DEK GY BLK CARB. ARGULITE LY VARIABLE FG DISSEM DY TR VALCOMB OUT PY1-3% DUSEH-Blevch Zone YNQT T.D.

HOLE NO. DH-CG-3 DRILL HOLE SUMMARY CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW CREEK (C-P) STATE NEVADA COUNTY EIKO SECTION 14 1 T. 40N R. 49E DATE DRILLED 8-5-83 LOGGER A. J. DEADERICK LAB. MONITOR DETECTION LIMIT DETECTION Limit OCUL AU (PPm) AG (PPm) 0.15 < 0.05 0.20 GEOL. SUMMARY ABUNO VIV FLOT BAFF-LIGY BLENCH- ALT GOOD PHEAD THE X 3-5% WW QT 100 10% ANOUL TAR 2-5% CHERT MOD C' MOD GY - BLU PAIR PHENTAT MOD ABOUL ALT AT-MODGY -BLU GY IGN. W/ < 196 MALEOZ. XEND Mro 50 % ARGILL ALT DISCHA 30-4065.07 1-396 LAKE F. ROPL noo-cood Igna VN PY 2% EXCELLATION ET BLU-GY; PINE PHEAU RICH-CHORITIC IGN-IA 10% W QT MOO PINK-GEEY PHENC RICH PROP. ALT IGN-M 10% VN QT DESEND PY 1-2% MOD FICK GEN-GO OHENO RICH IGN - IA PEOPLALT TP-WK PY STRE-AREALZOB (SER: ALT.) . HEACHED IGN:-UMT I - T.D.

HOLE NO. DH-CC 4.A DRILL HOLE SUMMARY CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW CREEK (C.P) STATE NEVADA COUNTY EIKO SECTION TO T. 40N R. 49E DATE DRILLED 8-8-83 LOGGER A.J. DEADERICK LAB. MONITOR LABS < 0.05 GEOL. SUMMARY LTGY_MOD

GLU GY

IGNB · MICO
STEGSLICIE

MYABUND PYY

VIV COMBRIZ V.WK-NOTXT
W/STRG
SHUOF PY DESS
2%
MOD ARGILL ALT, PY VN F DISSEM 1-2% __WOUT! PY DISENCE Z-395 S 1-396 PY DISEM Z-3%

HOLE NO. DH-cc-5 DRILL HOLE SUMMARY CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW CREEK (C.P.) STATE NEVADA COUNTY ELKO SECTION WHE T. 40N R. 50 E DEATRICKLAB. MONITOR DATE DRILLED 8/16/93 LOGGER A. DETECTION AG PPM (DETECTION) AU O. IOP M < 0.05 GEOL. SUMMARY COLLE JOL W ORILL PAD OFBRIS AETCENE -WK-MOD SINCIF BOSEWICATE V MOCHOW/VIEW ARGUL ALT. WK SURIF, TR-4190 DES PY PHEND TEXT W/L/190 DALEDZ VERUS ASSIBLE CELACOUITE CLAY ZONE PHUTCH QUET YEMOS. TR YNGTE 5% VN QTZ 1-2% VN PY 7-58 W STF 5% CHALCED, SUBSTICUTES IA PILMO ELCH TURMB. 10% VN QTZ 1-2%VN PY LT-MOD GY ALT IGAMB W/K/96 PF XEND MUD PHEND TXT TR OBSEM PY STRE ARMY ALT. PHENO RICH IA 45% VN GTZ 1-2% VN PY MATT YELGY-GYBU THENO RICH SUBTRICES IA WE MAD ARGULAD MOD GREY TOWMB - UNIT! AND STRE ALT LYMCO SILICIF TE DISS PY STRG ARGILLAUT
ICHIMB W/
3-5% CARB SST
VEACS
(WK-MCD BRC:
MCD SH.K.I.F.
STRG ARGILL ALT 45% WATE UNIT IA - PHEND IGNIMB RICH U.STRG ARGKLAN NO. PALETY XEND T.D.

HOLE NO. DH-CC#6-A DRILL HOLE SUMMARY CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW CREEK (C-P) STATE NEVADA COUNTY ELKO SECTION TALL T. 4/N R. SOE DATE DRILLED 8-19-83 LOGGER A.J. DEADERICK LAB. MONITOR LABS. AU (PPM) AG (PPM) < 0.05 GEOL. SUMMARY OLL & VNDEBRE ARLMO YN GOOD PHEND TXT WRITE - BUFF
TR IGNING THT
TR CFLACENITE(2)
FXT CLAY ALT.
ZONE 10-36-50% REPL SILICIF 2-10% VN PY CG-VICGY 1-296 VN RY STEG CLAY
MIX
WK.MOD PHEND
TEX PRESERVED 1-2% DUSEM PY 3-5% CLAY FRAGE GOOD PHEND TIXT 1-2% VN CITE No PY LOK MONO SER ALT PROPULATIONE TR DISSEM PY V.WK-TRSFR ALT NO PY TR ARUDIL ALT(?)

HOLE NO. DH-CC-7 DRILL HOLE SUMMARY CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW CREEK (C-P) STATE NEVADA COUNTY ELKO SECTION SWINZAT. 411 R. SOF DATE DRILLED 8-21-83 LOGGER A. J. DEADERICK LAB. MONITOR DETECTION AU (PPM) Q.O GEOL. SUMMARY PUF-LTGY YEL OF ACCOUNT ACCOUNT ACT I TANKED TO ANKED TO ANKED TO ANKED TO ACCOUNT ACC BUF-WH OF ARGIL PUNE OF THE TOTAL TO 100% SAU PELD. LTGYMAD ARCHL
ALT ICAMB N
W/ MOD PHEAD
TXT

L/1/6 XETNOS. LING XEMOS. X LATE SAU FELD BY SYS HEOGY -LTGY BLK IGNMB W/ MUO ARGEL WK 5,02 LTGENGY MOD MAT ICAMB MY VARIABLE REPL 5.02 20-50% WK MOOPHEND TXT V WK PROPYLS

HOLE NO. DH-CC-8 CRUSON AND PANSZE, GEOLOGISTS DRILL HOLE SUMMARY PROPERTY CONCREEK (C-P) STATE NEVADA COUNTY ELKO SECTION 32 T. 41N R. SOF DATE DRILLED 8-22-83 LOGGER A.J. DEADERICK LAB. MONTOR LABS DETECT. LIMIT AU (PPM-) AG (PPM) GEOL. SUMMARY 0.05 0.15 I SIR OND FILDAT

I NOT REPLISOD

WHO OND

TOTAL PROPERTY ANT

TOT BUF-LTGY MUDSTRG ARGUL ALT WK-POIZ PHEND TXT 690 697 EM LTGY 30% W/LTPINK SIPL FEAGS 12 INE-MOD ARGUL ALT MOD PHEND SOB TIXT INCREASE SOB IN PHEND NED GRN 64 MOO PROPY ALT W/UNALT BIOT VWK SOZ TR-KION SOLVER TO SOLVER T 485'T.D.

HOLE NO. DH-CC-9 CRUSON AND PANSZE, GEOLOGISTS DRILL HOLE SUMMARY PROPERTY CON CREEK (C-P) STATE NEVADA COUNTY ELKO SECTION 32 T. 41 R. 50E DATE DRILLED 8-23-83 LOGGER NY ENKLIN LAB. MONITOR LABS DETECT (3.5) CETECT AU (ppm) (مرم) AG (0.05 GEOL. SUMMARY 0.15 00,1 0.20 20 TO YEL-BEN TO YEL-GY CHO LOIC COS CLAY ३०% ४०० दव र १००८ ४०० दव र IT YEL -GY PMET. OXID STRG ARGUL 80-1008 URRIABLE SULKUF. STRE VIN ANDES TE DISSEM PY 100 LTGY VWK-PHENDTXT VISTEG SLUCE BETH WILACE VIN TROUSEM PY 100% SAU FEHOS CONDTI. ABOUL ALT BUF-PIBE 69 UNIT II PHEND RICH WAT! LT GY-BLEACH. STRG REPL-LACES,PQ 10090. SAU FELD INK PHEND TXT RIXI BUF-PINKGY UNIT I A-SURFINC PHENO RICH WK-MOD REAL SILICE. TR-AU DISSEM PY 100% SAU FELD. MOD ARGEL ALT MOD-DRK GY BLK V. STRG PRUPY ALT ABOND CHURTIC NO PY
TR-WK CAILINE VN
WK BIOT PHEND
POOR VOIC TXT BIO PHENO LT-MOD GY MOD UOLC TXT U.STRG ARGUL ALT. WK REPL-LACE SIZ NO PY MED- DEKGYBLE MOTTLED W/ GYGRN / MAROON PHENO RICH SUBFACIA STRG PROPYL AND WK-MOD CAICHE VNUETS VARIABLE TZ DY TRWK BIOT PHEAR lok bose text ABUND CHLORITE TEWK DISS T.D.

DRILL HOLE SUMMARY HOLE NO. DH-CC-10 CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW CREEK STATE NEUADA COUNTY ELKO SECTION 32 T. 41N R. 50E DATE DRILLED 8-24-83 LOGGER A.J DEADERICK LAB. MONITOR LABS. DETECT: DETECT. AU (ppm) AG (PPM) 0.05 0.15 GEOL. SUMMARY 0.20 MOTTLED BUF-YEL TO LT GRY VSTEG. ARGILL AKT WK-MOD VIV CITZ TR BARITE(2) NO PY MODSION REPL BUF AGUND CLAY LT GY -MOD ARGULLALT &
MOD PHENDTYT &
WE REAL-LINCESING BUF 3 AIBUND CLAY 0 MOD SEECTE W WK-SIRG OYUO YEL BRN CUD VNGTZ TR BARITE VUGGY BUF-LTGY STEG REPLS,O STRG SERRUTE REPLAIT, TR PHEND TXT REAL WY CLAY MOD GY BLK V. STRG SIOZ REAL WK WUQTZ USTRUSERICTE ALL WILDERSON WK-TE DISSEM PY MENO RICH MODSION PERI MOD STRO ABOUT ALT. 5/ ACUND APLEOZ XENOS CELHOONITER) F LT BUIGY SUBFICIES IA PHEND EICH NO PALEOZ XENO ABOND CELADONIT STEG APGILL. LTGY-MOTILED GRN GY PHENC RICT PROUND PRIESE LITH WH - LT BLU GY VISTRG ARGILL
MTX 101 1100
REPLY LACE SICE MINUR VN QTB P TEPISSEM PY MODGY BLK MOD STRE REAL SO MINOR VN GTO NOO-ABUND VN ! DISSEM PY WK-MOD ABBULLAN mgo gy luh Argill-seroc Alī .27 MODGY BLK TR VN GTZ ABONO PY LT GRN CH - BUF MODSLICE V.RBUND PHENO PLEONING CELAPOR PLAC GRY ANNO CELACON

HOLE NO. CC-11 DRILL HOLE SUMMARY CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW CREEK STATE NEVADA COUNTY ELKO SECTION 1 T. 40N R. 49E DATE DRILLED 8-25-83 LOGGER AJ. DEADERICK LAB. MONITOIL LABS AU (ppm:) AG (ppm) GEOL. SUMMARY REGOLTH & SOILS

LT YEL BRN - GY

V. STRG ARGIN

N. SULF & CHID

STRG. CHID ZONE V.STRG SERICATIC EXT, OND WEERE ZOONE ACHIEVE VIN COME OIZ BREVE; NO PY YOU FEASS WIN SO, TR-LUK PHEAD TO YOU FEAS SIO, WY VIN LACE SIDDE. VISITE FEAL-MOE STUCK WER SILES WY COMB VIN CITE STEG SERKITE ANT. STRE OND TR DISSEM PY

REPOX BUILDED

LTGY MUTILED W

LTGY BLK

ARCHIL FALT MOD STEG SULCIF. MOD SERICITE MTX ABUND CELACONITE WK-MOD DISSEM PY SON FEBL LACE SILES BONG REDL LACE SILES ABUND DISEN VIN PY BONG OF BLK DRK GYBLK PHEAU RCH TR-WK DOSEM PY TR-WK DESEM ... V STRG FER SOL VN OT! FED! SUR! DEK GYBLK
PHEND RICK
VITTE REAL GO, THE ASUM CERTATION DEK GY BON BURCH CARB SLST
PALEDE YEMD
TR-WK DISSEMPY LTGY AROUL AU ST HEND BICK PRINCE YOU DISS X BUFF-LIT GY STIG ARGAL AU MOO. SELECITIC & PORT - LITER OF C STEG SERKTIK AUT LOK-MOD LACE SILICIF VISTEOUG DISSEA PY W HOT AS LOSE MTX LAPINEUE ASIAO, U OF CELADONTE T. O.

CRUSON AND PANSZE, GEOLOGISTS DRILL HOLE SUMMARY HOLE NO. CC-12 PROPERTY COW Creek STATE Nev. COUNTY EIKO SECTION 32 T. 41N R. 50E DATE DRILLED 8/9-12/84 LOGGERME \$ CER _ LAB. Barringer, Reno Pyrite % AG (02/7) PAM GEOL. 5 10 15 20 0.05 100 200 300 400

PROPERTY COW Cheek STATE NEW COUNTY EIKO SECTION 1 T. 40N R. 49 E CRUSON AND PANSZE, GEOLOGISTS DATE DRILLED 8/12-14/84 LOGGER MES. CER LAB. Bothinger. Reno AG (02/T) PAM 5 10 I5 20 100 500

CRUSON AND PANSZE, GEOLOGISTS DRILL HOLE SUMMARY HOLE NO. CC-14 PROPERTY COW Creek STATE NV COUNTY Elko SECTION 1 T. 40N R. 49E DATE DRILLED 8/14-16/84 LOGGER Mortha 1. Edick Ellis LAB. Barringer, Reno Pyrite % AG(ppm) GEOL. 5 10 15 20 0.05 100 200 300 400 500 500'T.D.

CRUSON AND PANSZE, GEOLOGISTS DRILL HOLE SUMMARY HOLE NO. CC-15 PROPERTY COW Creek STATE NV COUNTY EIKO SECTION_____T.__ R.___ DATE DRILLED 8-24-84 LOGGER MYEZ LAB. Barringer Pyrite % 5 10 15 20 GEOL. 0.05 200 300 400 T.D.500

CRUSON AND PANSZE, GEOLOGISTS DRILL HOLE SUMMARY HOLE NO. <u>CC-16</u> PROPERTY Cow Creek STATE NV COUNTY EIKO SECTION_____T.__ R.___ DATE DRILLED 8-27-84 LOGGER MIEE _ LAB. <u>Barringer</u> Pyrite % AG(ppm) GEOL. 0.05 100 200 300 400 500 T.D.

DRILL HOLE SUMMARY HOLE NO. ec-17 CRUSON AND PANSZE, GEOLOGISTS PROPERTY Cow Crek STATE NV COUNTY EIKO SECTION_____T.__ DATE DRILLED 8/30/84 LOGGER_ LAB. Barringer MEE Pyrite % 5 10 15 20 AU*(PP m)* 0.10 AG (ppm) GEOL. 100 200 300 400 500 5∞'T.D.

HOLE NO. <u>DH - CC-</u>/8 DRILL HOLE SUMMARY PROPERTY CON Cheek STATE EIKO SECTION 32 T. 41N R. SOE DATE DRILLED 9/5/84 LOGGER Martha OLLINGEL Reno Pyrite % 5 10 15 20 AG (OZ/T) PPM GEOL 0.150 100 8 100 200

CRUSON AND PANSZE, GEOLOGISTS DRILL HOLE SUMMARY HOLE NO. <u>CC-19</u> PROPERTY COW Creek STATE NU COUNTY Elko SECTION____T. R.__ DATE DRILLED 9/4/84 LOGGER_ Barringer Pyrite % 5 10 15 20 AG (PPM) GEOL. 0.05 100 200 300 400 T.D. 500'

PROPERTY COW Creek STATE NU COUNTY EIKO SECTION T. R.
DATE DRILLED 9/18/84 LOGGER 5 BOTS LAB. Barringer CRUSON AND PANSZE, GEOLOGISTS HOLE NO. CC-20 Pyrite % 5 10 15 20 AG (PPM) GEOL. 0.05 100 200 400 T.D. 500'

CRUSON AND PANSZE, GEOLOGISTS PROPERTY COW Creak STATE NV COUNTY EIKO SECTION_____T. ___ R. ___ HOLE NO. CC-ZI DATE DRILLED 9/20/84 LOGGER MEE ___ LAB. Barringer Pyrite % 5 10 15 20 GEOL. 0.05 200 500' T.D

PROPERTY Cow Creak STATE NV COUNTY EIKO SECTION T. R. ... DATE DRILLED 9/23/84 LOGGER____ Pyrite % AU(ppm) 0.10 GEOL. 5 to 15 20 0.05 AG PPM 100 200 500' T.D.

DRILL HOLE SUMMARY HOLE NO. CC-23 PROPERTY COW Greek STATE NV COUNTY EIKO SECTION____T. __ R. __ DATE DRILLED 9/26/84 LOGGER NEE _ LAB. Barringer GEOL. SUMMARY 0 0.0 100 465' T.D.