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COLOR
COPY (EA)
(JUST THIS ONE)

COPY

EA

MAPS -

100% BOND

OVER
SIZE

*

Color

June 15, 1974

LETTER OF CERTIFICATION

I Richard E. Mieritz of 1634 W. Hazelwood Street, #2, Phoenix, Maricopa County, Arizona, does hereby certify that:

- (1) I am a mining engineer, graduated from the University of Wisconsin with the degree of Bachelor of Science in 1939.
- (2) I have practised my profession continuously since then, receiving my Arizona State Registration as a Mining Engineer in 1956 and my Arizona State Registration as a Geologist in 1970, being a member in good standing.
- (3) The report to which this letter is attached and part of, has been prepared on the basis of personal observations on and of the property several times dating back to 1956, on the writers general knowledge of the area, and the review and study of available factual data.
- (4) I have no direct nor indirect interest in the property.
- (5) I have no direct nor indirect interest, nor do I expect to receive any interest, direct or indirect in the properties or the securities of Canvex Explorations Ltd., Vancouver, B. C., Canada, or its affiliates.

Respectfully submitted,

R. E. Mieritz,
Mining Consultant
Phoenix, Arizona

GEOLOGICAL EVALUATION

and

EXPLORATION

REPORT

on the

NORTH STAR PROPERTY

Pinal County, Arizona

by

**Richard E. Mieritz
Mining Consultant
Phoenix, Arizona**

January 12, 1974

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INCLUDED MAPS

- Map No. 1 - REGIONAL GEOLOGY and INDEX MAP, Portion of Pinal County, Arizona.
- Map No. 2 - CLAIM MAP, North Star Copper Property.
- Map No. 3 - MINERAL MAP, North Star Property.

INTRODUCTION:

The writer visited and examined the North Star group of copper claims in Pinal County, Arizona on December 18, 1973. Mr. Frank Randall, Coolidge, Arizona and major owner of the North Star property accompanied the writer during the examination to impart his knowledge of the claims and to explain his development work and location. Hartland Exploration Inc., is Randall's corporation for the property.

The basis and preparation of this report includes the writers geologic knowledge of the general area, the writers personal visit and examination of the property and limited data provided by Mr. Frank Randall.

PROPERTY, LOCATION and ACCESSIBILITY

The property consists of 135 unpatented standard lode claims, held by right of location (See Map No. 2). These include the following:

<u>Claim Names</u>	<u>Recorded Locations</u>	
	<u>Docket</u>	<u>Page</u>
Coro # 2 through # 20	140	470 - 488
Coro # 21 and #22	140	518 - 519
Coro # 23 through # 30	140	489 - 496
Coro # 31	140	520
Coro # 36 through # 44	140	501 - 509
Coro # 45 through # 58	140	521 - 534
Copper Spot # 3 through # 8	339	380 - 385
Copper Spot # 13 through # 18	339	386 - 391
New North Star # 1 and # 2	370	40 - 41
New North Star # 5	370	44
Black Hill # 1 through # 17	382	64 - 81
Black Hill # 19 through # 24	384	124 - 129
Black Hill # 25 through # 45	385	500 - 519
Black Hill # 18 Amended	393	508
Hartland # 1 through # 22	590	378 - 399

As can be seen from Map No. 2, the property covers all or parts of Sections 4, 5, 6, 7, 8, 9, 17 and 18 of T. 7 S., R. 10 E. of the G. & S. R. B. & N., Pinal County, Arizona.

4-24-74

The property is approximately 14 airline miles south, southeast of Florence, County Seat of Pinal County, Arizona. From Phoenix there are several routes to Florence or U. S. Highway 80 & 89 from which the mine access road junctions to the right (west). The writer suggests the following route. From Phoenix travel south on Interstate 10 to off-ramp for junction of County Routes 187 and 387 (approximately 40 miles from Phoenix), left on 187-387 across Interstate 10 overpass and immediately right on route 387 (east) for 5 miles to junction of State Route 87. A right turn on State Route 87 for 6.2 miles the road junctions with County Route 287 (straight ahead - east) (Route 87 turns right - south - to Coolidge). After 7.6 miles east, County Route 287 junctions with U. S. Highway 80 and 89, just south of Florence. (See Map No. 1). A right turn (south) on U. S. Highway 80-89 for 13.8 miles the mine access road junctions on the right, just past mile post 118. After 1.4 miles travel on this access road is a "Y" with the left arm heading towards the property. After 1.1 miles travel on the left arm is a second "Y" with the right arm leading to the property "camp" about 2.5 miles distant. A sign "Hartland Exploration Inc." at the second "Y" indicates travel direction to the property.

FACILITIES:

No gas or electric facilities are on or near the property. A churn drill hole (cased) a short distance southeast of the Camp, host a good water supply which stands at 40 feet. This well is 300 feet deep.

An Indian Reservation Power line is 6 3/4 miles northwest of the property, the nearest source of electricity.

Southern Pacific rail facilities are 23 road miles to Florence or 9 airline miles west of the property (no road).

The present camp could accommodate 8 or 9 persons on a "bunk-house" type, typical field-like basis and mess hall.

HISTORY, DEVELOPMENT and PRODUCTION:

The property has little history. Mr. Randall located the original claims in the early 1950s and since then, with the aid of financial backing from local Phoenix residents, has expanded the property to its present size and present development. Mr. Randall and his associates have chosen to develop the property themselves over these many years. An exception to this had been a short term lease with Miami Copper Co. Some shallow drilling had been completed and some claims surveyed for patenting. The ensuing history in this case is not clear.

The writer had visited the property during the latter part of year 1955 at which time Mr. Randall had excavated a surface trench, the dimensions of which approximated 30 feet long, 8 to 10 feet wide and about 6 feet deep. Since then, the original surface trench has been expanded to a length of 100 feet, 20 feet wide and 30 feet deep. Mr. Randal sunk a 48 foot shaft from the bottom of the original trench at which point

water was encountered and it now stands at 40 feet below the original surface. According to Randall, the entire depth of the shaft was in good copper "ore".

Many other surface trenches have been excavated by Mr. Randall and all show copper mineralization. The development thus far, has been concentrated in the vicinity of the North Star claims (more or less the geographic center of the property) and to some extent in the north central portion of the property.

Production-wise, on occasion, Mr. Randall has made carload shipments to the ASARCO smelter at Hayden, Arizona. The ore is readily acceptable because of the high silica content (78 to 80%) with up to 10% copper. Such shipments were, of course, high graded (hand sorted), and would not represent an average grade ore.

GENERAL GEOLOGY:

The rock type most prominently exposed within the confines of the property is classified as Pre-Cambrian Granite, with occasional small remnants of Pre-Cambrian Final schist visible but which appear to have no relationship to the occurring copper mineralization. Locally also, a monzonitic, porphyritic rock type is present, particularly so where copper mineralization is present. There is not sufficient evidence exposed for the writer to physically determine whether this rock type is an intrusion of large proportions or merely selected localizations of crystallization.

Development by Randall indicates the presence of four structural zones, (faults or large fractures) within the granite mass which trend approximately N. 70° W. and with indicated dips of 60° to 75° south, with indistinct footwalls and hangingwalls. These walls appear to be divergent with depth--at least where observable. Where unexplored, the zones are evidenced and traceable on the surface only by their discoloration of the thin soil mantle which covers most of the area. These major strength zones are traceable upwards of 1000 feet to 1500 feet along their strike. Width-wise, the writer can only state that the present development does not adequately expose the true width of the zone as such, however, the large surface trench shows a width in excess of 30 feet. The zones are quite fractured, being spaced up to 6 or 8 inches apart. Surface-wise, the four zones appear quite parallel and from 150 to 200 feet apart.

Also observed by the writer were some minor cross zones with trends of approximately N. 15° W. Their significance can not be determined at this writing due to incomplete visual evidence.

MINERALIZATION:

The various developments of small to large surface trenches, shafts, etc. completed by Randall has indicated copper mineralization exists in the four zones previously mentioned and described. Surface-wise, no visible copper mineralization is present but with removal of 18 inches to 3 feet of soil and rock the mineralization becomes apparent. The surface dis-

coloration - yellow to brownish and reddish-brown - (limonites and derivatives) is the basic clue to the copper mineralization at the shallow depth. As depth is attained, the limonites intensify both in presence and color as does the copper mineralization.

The copper mineralization exposed thus far is in the oxide form as malachite with a small percentage of chrysocolla and azurite. No doubt there is also some cuprite but same is not visible because of the heavy iron coloration. This mineralization occurs along the fractures and as disseminations in the rock. Local concentrations would assay well above 10% copper but the mass as a whole, where exposed, could average 1.5%.

The one consistent feature of the four zones appears to be the strike. The hangingwall dips appear flatter than the footwall dips, thus creating a "sawtooth" type arrangement on the surface with a possible convergence of the zones at some depth to possibly form an "enmass" of large proportions, the ultimate exploration target.

ORE RESERVES - PROPERTY POTENTIAL:

The writer can not credit the property with an ore reserve due to the shallow and wide spaced development of the mineralized zones.

As to the property potential, the writers inference here is based on the geologic conditions present, interpreted and justified as observed by the writer and his knowledge of copper mineralization in the general area. Were the four zones to have a 1200 foot continuous strike length, maintain a 50 foot width to a dip length of 250 feet, a 1,250,000 ton volume for each zone could be inferred, or a total of 5,000,000 tons for the four zones. Grade-wise, it is reasonable to assume (evidence in surface trenches) that this volume could possibly maintain a 1.5% copper content average.

A potential of enormous proportions might be present if there should be a convergence of these four zones at some depth.

EXPLORATION REQUIREMENTS- COSTS:

The property potential indicates the presence of two targets: (1) exploration of the four zones for strike length continuity, depth-wise continuity and grade-wise continuity or consistency and (2) the possible existence of the "large volume" at depth. To test these targets the writer suggests two phases, I and II respectively, Phase II to be completed if the results of Phase I are not only successful in proving continuity but also indicates evidence that the existence of the "large volume" is not mere "inference" but thusly "indicated".

The writer envisions the initial program, aside from necessary surface geological mapping, etc., as two series of holes along the strike of the structures, one series being holes of 150 feet deep, drilled at -65° angles, spaced 400 feet apart along the strike and the second series of holes being 350 feet deep, drilled at -65° angles, also spaced 400 feet

apart along the strike but halfway between the locations of the first series and with a 200 foot offset along the strike to achieve a "diamond shape" pattern.

The cost of Phase I is estimated to be:

PHASE I

Detailed surface geological mapping	\$ 3,500.00
5000 feet diamond drilling, including sampling, assaying, personnel travel and expenses	\$ 70,000.00
Drill site preparation, dozer, 10 days @ \$400.-/day	\$ 4,000.00
Project Supervision, core logging, etc., in- cluding Fees and Expenses	\$ 14,000.00
Contingencies, work overrun, underestimate	\$ 10,000.00
PHASE I Total	\$ 97,500.00

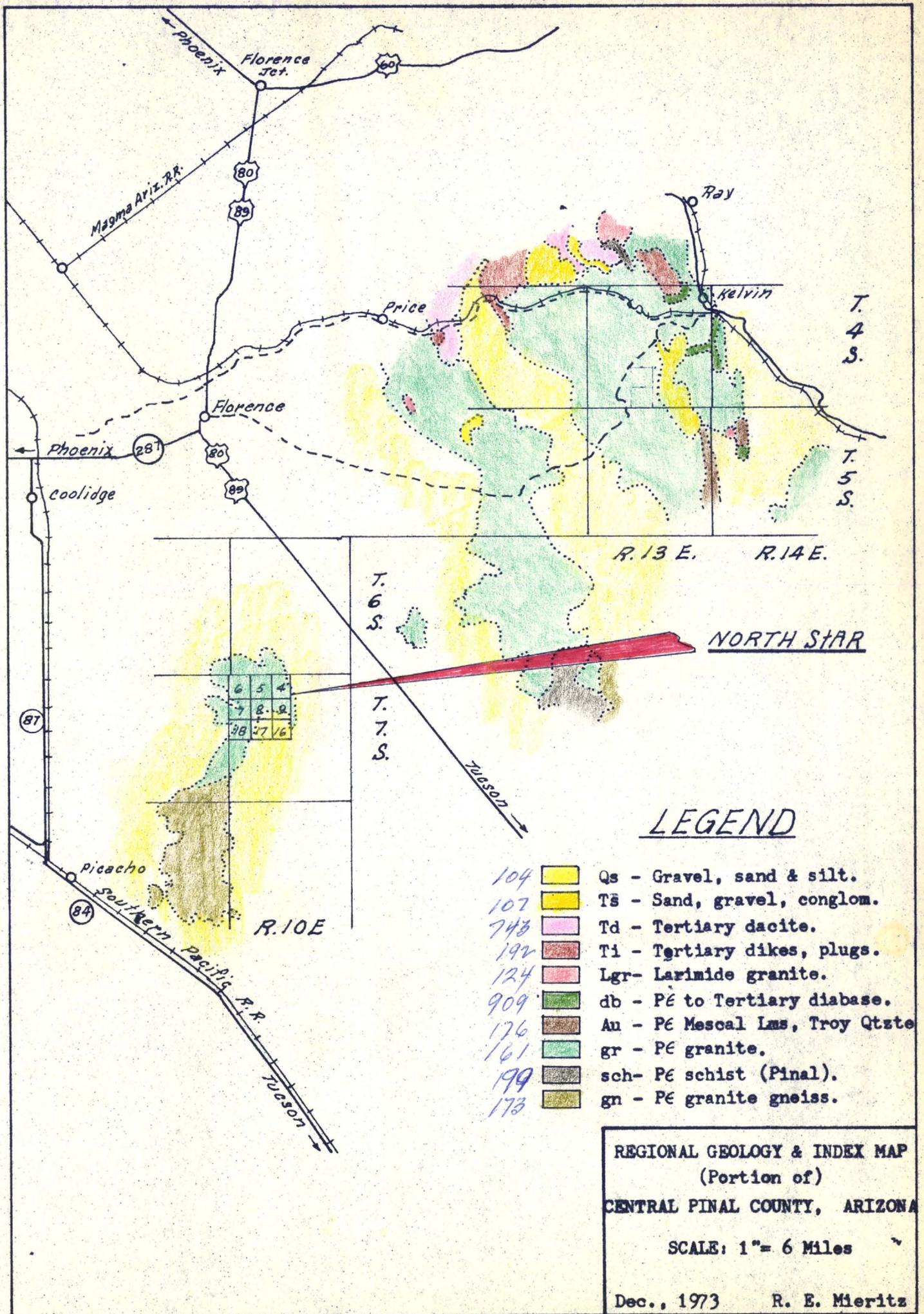
If Phase I is successful to the extent that the geologic assumption or "inference" of the "large volume" may exist and/or present, then the dictates of Phase II would be governed by the "suspected" depth of the "large volume" - which - at this writing is unknown - but could require expenditures upwards of \$150,000.-.

Respectfully submitted,

R. E. Mieritz,
Mining Consultant
Phoenix, Arizona.

January 12, 1974

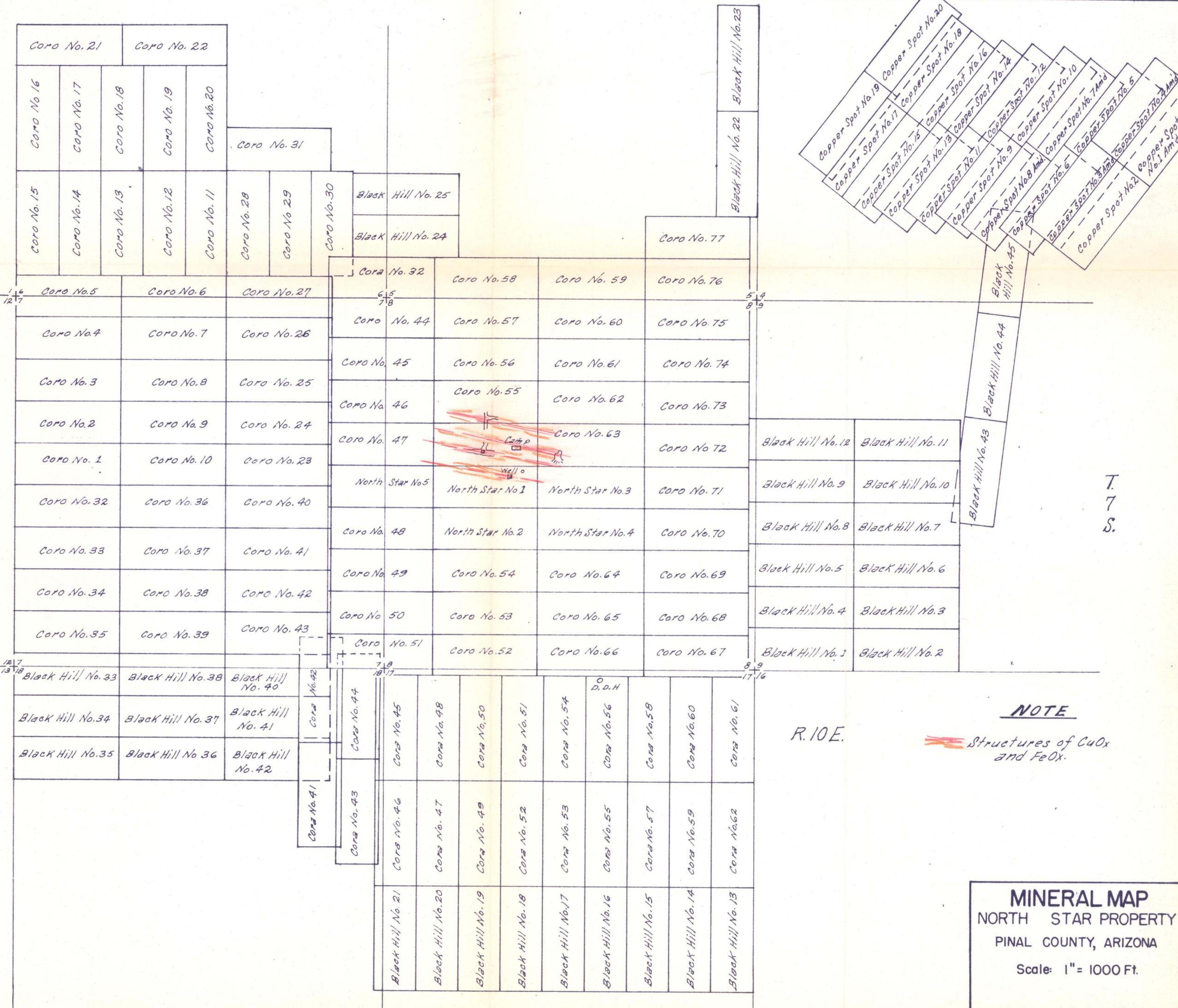
4-16-74



LEGEND

- 104 Qs - Gravel, sand & silt.
- 107 T_S - Sand, gravel, conglom.
- 743 T_d - Tertiary dacite.
- 192 T_i - Tertiary dikes, plugs.
- 124 Lgr - Larimide granite.
- 909 db - P_E to Tertiary diabase.
- 176 Au - P_E Mescal Las, Troy Qtzite
- 161 gr - P_E granite.
- 199 sch - P_E schist (Pinal).
- 173 gn - P_E granite gneiss.

REGIONAL GEOLOGY & INDEX MAP
 (Portion of)
 CENTRAL PINAL COUNTY, ARIZONA
 SCALE: 1" = 6 Miles
 Dec., 1973 R. E. Mieritz
 MAP No. 2

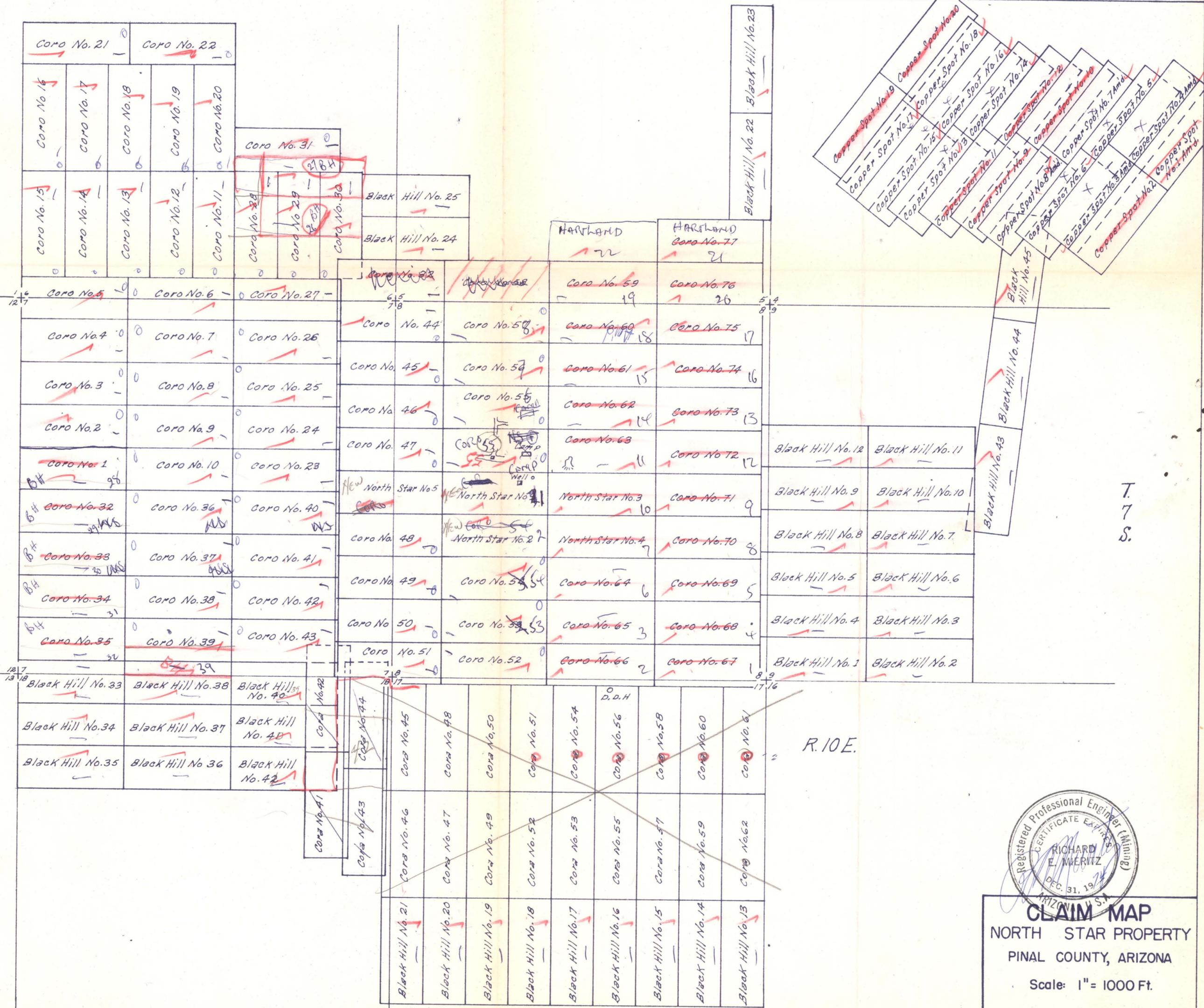


R. 10 E.

NOTE

Structures of CuOx and FeOx.

MINERAL MAP
 NORTH STAR PROPERTY
 PINAL COUNTY, ARIZONA
 Scale: 1" = 1000 Ft.



CLAIM MAP
 NORTH STAR PROPERTY
 PINAL COUNTY, ARIZONA
 Scale: 1" = 1000 Ft.

June 17, 1974

Mr. Paul Frigstad
Canwex Explorations Ltd.
Suite 518
510 West Hastings St..
Vancouver, B. C., CANADA

Dear Mr. Frigstad:

Thank you kindly for your Company's check in payment for my invoice of June 10th, 1974. The invoice was for payment in U. S. Funds, and since you forgot to put "U. S. Funds" on it, I took the liberty of doing same.

It was a pleasure meeting you and your associates and I was happy to accompany all of you to the North Star copper property.

To comply with your request, you and your organization herewith have my permission to "quote" from my report of January 12, 1974 prepared on the North Star property. At the moment we are seeking a clarification on the claim situation with respect to the correct names and the placement of same, but this should resolve itself in the next day or so. Other than that, I see no objection to you and your organization to "quote" from my report.

Thank you again for permitting me to serve you.

Sincerely yours,

R. E. Mieritz,
Mining Consultant.

		DOCKET	PAGE
15	HARTLAND 1-26	590	378 - 403 ✓
8	COPPER SPOT (3 Amd.)	339	380 ✓
9	COPPER SPOT (4 Amd. Amd.)	339 202	490 381 ✓
10	" " (5)	339	382 ✓
11	" " (6)	339	383 ✓
12	" " (7 Amd.)	339	384 ✓
13	" " (8 Amd.)	339	385 ✓
14	" " (13-18)	339	386 ✓ - 391 ✓
1	CoRo (1-20)	140 ✓	469 ✓ - 488 ✓
4	CoRo (21-22 ✓)	140 ✓	518 - 519
2	" (23-30)	140	489 ✓ - 496
5	" (31)	140 ✓	520 ✓
3	" (32-44)	140	497 ✓ - 509
6	" (45-47)	140	521 ✓ - 523 ✓
7	" (49-58)	140	525 ✓ - 534 ✓

95 charms

15 LINES SAME as Last report

So miss a LINE Same as Last report

15000 15/275
 18
 35
 125
 120

1973
 18
 55

27
 26
 51

well - 40' to water - R.R. 9 miles west - 23 to Flomville
 4 1/2 miles to Fridman Hill power.

311.8 (strongly) (to Jot 89) M.P. 118 turn off 320.7, 322.2 "Y" left
 around dam 323.2 - Y - Right
 Harland Exp - Jot
 323.2
 320.7
 1.1
 320.7
 1.4
 2.5

12" well - 200 r dup - cased.

147

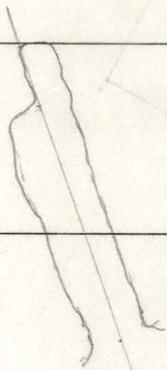
Corn			
Black Hill #1	45	M.S. Bush M.	45
New North Star #1	5		5
Copper Spot	1	20	20
Heart hand	1	26	26
Corn	1	35	35
corn	1	46	46
			134

Silica - 78-80% - up to 10% Ca. Shipped.

89. M.P. 118	Jot 287 BUSR 789	Jot 87	Jot 387
327.3	351.1	68.7	64.9
	27.3		
	13.8		

Dobell

orig. Pit - now 90' x 15' x 30'
30' deep by Cox as access shaft
48' deep - 40' to top of
38' in good alk. & good Fe.



	<u>Pk</u>	<u>Pa</u>	
Startland #1-22-	370 370	378-399	22 ✓
New North Star 1	370	40	1 ✓
2	370	41	1 ✓
5	370	44	1 ✓
Black Hill 1- 17, 19-45	382	64-81	18 ✓
" 19-24	384	124-129	6 ✓
" 25-45	385	500-519	20 ✓
Black Hill 18 Amanded.	393	508	1 ✓
Copper Spot 3-8 2	339	380-385	12 ✓
13-18 5	339	386 391 488	
Cow 2- 20 20	140	470- 496	19 ✓
" 26-28 31	140	501-524 520	1 ✓
36-44	140	501-509	9 ✓
45-58	140	521-534	14 ✓
21-22	140	518-519	13 ✓
23-30	140	489-496	8 ✓

4-25-74

C. S. d' Self.

135

June 12, 1974

257-8700

Mr. James W. Johnson, Attorney
Suite 1700
100 W. Washington St.
Phoenix, Arizona, 85003

Re: North Star Copper Property
Pinal County, Arizona

Dear Mr. Johnson:

Herewith one additional print each of three maps, Index Map,
and two Claim Maps of the North Star Copper Property.

I have also included a copy of the first page of my Geological
Report on the property which lists the claims and also the Bks
and page numbers of the original location notices which should
aid you in the identification of these claims, as well as the
checking into of the validity and whether there may be any
liens against same.

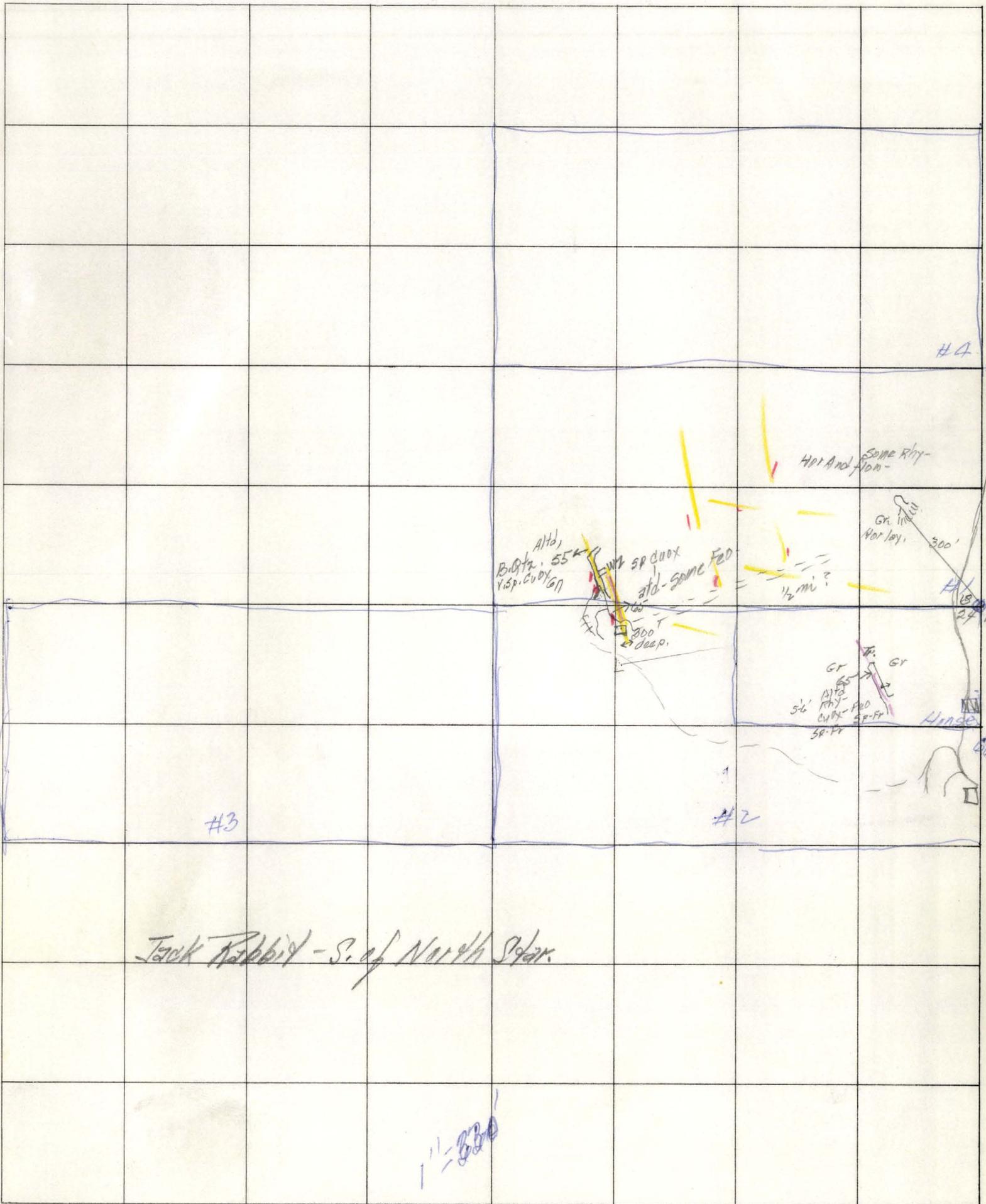
Hoping this material may be helpful to you, I remain,

Sincerely yours,

R. E. Mieritz,
Mining Consultant.

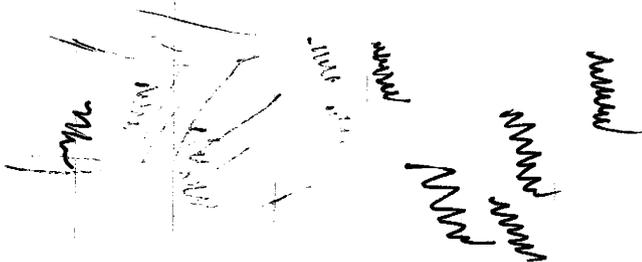
Call from
Charles on this
@ 8:30 AM
6-13-74

Canvex Exp. Ltd.
518
510 W. Washington
Vanouver - B.C.



Jack Rabbit - S. of North Star

MINE _____ LOCATION _____ LEVEL _____
 GEOLOGY BY _____ SURVEY _____ DATE _____ SCALE _____
 N _____ E _____ EL. _____



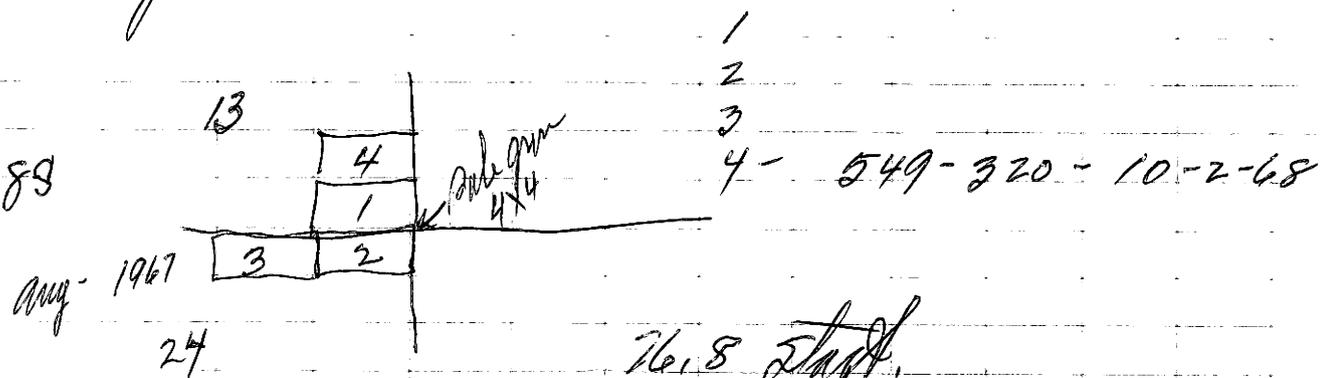
905.0 Expense Nil Division
 927 - weekly 12 M. 3/170

Dean (Grand)
 Frank Nelson
 D. Drilling - Joe Bruce - Mammoth - Drug store - 3% sul phates

Duell S-57°E -70
 Fault. N20W-SW 58°

Cappu cloud - Joe 10 on cd 53 - 3 holes: 0-20, 20-75 ft
 for. cd. 47 thru 53, 56 thru 60 - 4-10-73

Jack Rabbit -



76.8 Start.
 77.5 - Solo sign - 60 ac.
 86.5 Turn Right - Paid stone wall - right
 88.0 Head

91.0
 948 Fence gate
 97.5
 99.7

CANWEX EXPLORATIONS LTD. (N.P.L.)

SUITE 518, 510 WEST HASTINGS ST.,

VANCOUVER, B.C. V6B 1L8

TELEPHONE (604) 688-9451

Dear Dick.

Again I would like to thank you for accompanying us out to the North Star Property.

Please drop us a note which would have the effect of allowing us to quote from your report of January 12, 1974 on the North Star Property.

P.S.
Go see today.

Yours truly

Paul Gregstad

Cheque enclosed. Thanks Dick
John

INTRODUCTION:

The writer visited and examined the North Star group of copper claims in Pinal County, Arizona on December 18, 1973. Mr. Frank Randall, Coolidge, Arizona and major owner of the North Star property accompanied the writer during the examination to impart his knowledge of the claims and to explain his development work and location. Hartland Exploration Inc. is Randalls' corporation for the property.

The basis and preparation of this report includes the writers geologic knowledge of the general area of the property, the writers personal visit and examination of the property and limited data provided by Mr. Frank Randall.

PROPERTY, LOCATION and ACCESSIBILITY:

The property consists of 162 unpatented standard lode mining claims, held by right of location (See Map No. 2). These include the following:

Claim Names	Recorded Locations			
	Docket	Page		
Core No. 1 through 77	140	469 - 553		77
North Star No. 1 through 5	294	105 - 109		5
Cora No. 32	294	528		1
Copper Spot No. 1 Amended	294	532		1
Copper Spot No. 2	294	533		1
Cora No. 41 through 62	294	503		22
Copper Spot No. 9	324	183		1
Copper Spot No. 10	324	184		1
Copper Spot No. 11	324	185		1
Copper Spot No. 12	324	186		1
Copper Spot No. 19	324	193		1
Copper Spot No. 20	324	194		1
Copper Spot No. 4, 2nd Amended	339	381		1
Copper Spot No. 5	339	382		1
Copper Spot No. 6	339	383		1
Copper Spot No. 7 Amended	339	384		1
Copper Spot No. 8 Amended	339	385		1
Copper Spot No. 13	339	386		1
Copper Spot No. 14	339	387		1
Copper Spot No. 15	339	388		1
Copper Spot No. 16	339	389		1
Copper Spot No. 17	339	390		1
Copper Spot No. 18	339	391		1
Black Hill No. 1 through 25 ()	(382	64 - 81	18	124 142
Black Hill No. 33 through 38 ()	(384	124 - 129	5	147
Black Hill No. 40 through 45 ()	(385	500 - 519	20	167
	(393	508 - 511	4	171
Copper Spot No. 3 Amended	339	380	1	172

As can be seen from Map No. 2, the property covers all or parts of Sections 4, 5, 6, 7, 8, 9, 17 and 18 of T. 7 S., R. 10 E. of the E. & S. R. B. & M., Pinal County, Arizona.

Hartland 1-26-1590 378-403
 Copper King 23-36, 370 329-341
 New North Star 3, 4 372 1 - 42-43
 Cora #7 294-508

apart along the strike but halfway between the locations of the first series and with a 200 foot offset along the strike to achieve a "diamond shape" pattern.

The cost of Phase I is estimated to be:

PHASE I

	Detailed surface geological mapping, 2 months,		3500
	Fees and Expenses @ \$3,500.-/mo.	\$ 7,000.-	3500
5,000	X Diamond drill holes, 16 @ 150 feet, 16 @ 350 feet or 8,000 feet drilling @ \$20.00/ft. including sampling and assaying, personnel travel expenses, etc.		
	X Diamond drilling extras, cementing, reaming, casing, etc.	\$ 160,000.-	70,000
	Drill site preparation, dozer, 10 days @ \$400.-/day.	\$ 25,000.-	
	Project Supervision, core logging, etc., including Fees and Expenses, 8 months @ \$3,500.-/mo.	\$ 4,000.-	
	Contingencies, work overrun, underestimate	\$ 28,000.-	14,000
		\$ 24,000.-	10,000
	PHASE I Total	\$ 220,000.-	97,500

If Phase I is successful to the extent that the geologic assumption or "inference" of the "large volume" may exist and/or present, then the dictates of Phase II would be governed by the "suspected" depth of the "large volume" - which - at this writing is unknown - but could require expenditures upwards of ~~\$500,000.-~~ \$150,000

Respectfully submitted,

E. E. Mieritz,
Mining Consultant
Phoenix, Arizona

January 12, 1974

EXHIBIT A

Unpatented Lode Mining Claims located in the Picacho Mining District and in Township Seven (7) South, Range Ten (10) East, Gila and Salt River Base and Meridian, Pinal County, Arizona.

		<u>Records of Pinal County, Arizona Recorder</u>	
<u>Name of Claim</u>		<u>Docket</u>	<u>Page</u>
HART-LAND NO. 1	28 N 1969	590	378
HART-LAND NO. 2	"	590	379
HART-LAND NO. 3	"	590	380
HART-LAND NO. 4	"	590	381
HART-LAND NO. 5	30 N 69	590	382
HART-LAND NO. 6	30 N 69	590	383
HART-LAND NO. 7	"	590	384
HART-LAND NO. 8	"	590	385
HART-LAND NO. 9	"	590	386
HART-LAND NO. 10	"	590	387
HART-LAND NO. 11	"	590	388
HART-LAND NO. 12	"	590	389
HART-LAND NO. 13	"	590	390
HART-LAND NO. 14	"	590	391
HART-LAND NO. 15	"	590	392
HART-LAND NO. 16	"	590	393
HART-LAND NO. 17	"	590	394
HART-LAND NO. 18	"	590	395
HART-LAND NO. 19	"	590	396
HART-LAND NO. 20	"	590	397
HART-LAND NO. 21	"	590	398
HART-LAND NO. 22	"	590	399
HART-LAND NO. 23	28 N 69	590	400
HART-LAND NO. 24	28 N 69	590	401
HART-LAND NO. 25	"	590	402
HART-LAND NO. 26	"	590	403
Copper King No. 23	15 N 02 03 RONDALE	370	329
Copper King No. 24	"	370	330
Copper King No. 25	"	370	331
Copper King No. 26	"	370	332
Copper King No. 27	"	370	333
Copper King No. 28	"	370	334
Copper King No. 29	"	370	335
Copper King No. 30	"	370	336
Copper King No. 31	"	370	337
Copper King No. 32	"	370	338
Copper King No. 33	"	370	339
Copper King No. 34	"	370	340
Copper King No. 35	"	370	341
New North Star No. 3	30 N Frank 63	370	42
New North Star No. 4	"	370	43
15 march 58 Copper Spot No. 1		202	488
Amended	Frank George Summers	294	19 march 61 532
20 april 58 Copper Spot No. 2	"	294	15 march 61 533
20 april 58 Copper Spot No. 3	"	202	489
Amended		339	380 ✓
15 march 58 Copper Spot No. 4		202	490 ✓
15.4.62 Summer 1st Amended		324	178
FRANK RONDALE 2nd Amended	20 may 68	339	20 may 68 381

OK

OUT

57
26
12
75

Records of Pinal County, Arizona Recorder

Name of Claim	Docket	Page
Copper Spot No. 5	20 Nov 62 <i>Randall</i>	339 382 ✓
Copper Spot No. 6	"	339 383 ✓
Copper Spot No. 7	"	324 181 ✓
Amended	"	339 384 ✓
Copper Spot No. 8	"	324 182 ✓
Amended	"	339 20 Nov 62 385 ✓
Copper Spot No. 9	<i>Sumner's</i> <i>Randall</i>	324 12 Feb 62 183 ✓
Copper Spot No. 10	"	324 " 184 ✓
Copper Spot No. 11	"	324 " 185 ✓
Copper Spot No. 12	"	324 " 186 ✓
Copper Spot No. 13	<i>Sumner's</i> <i>Randall</i>	339 " 386 ✓
Copper Spot No. 14	"	339 " 387 ✓
Copper Spot No. 15	"	339 1 May 62 388 ✓
Copper Spot No. 16	"	339 " 389 ✓
Copper Spot No. 17	"	339 " 390 ✓
Copper Spot No. 18	<i>Randall</i> <i>Sumner's</i>	339 20 Nov 62 391 1 May 62 ✓
Copper Spot No. 19	<i>Randall</i> <i>Sumner's</i>	324 1 May 62 193 ✓
Copper Spot No. 20	"	324 " 194 ✓

Cora No. 7 *George Sumner's* 294 1 May 61 503

- Black Hill No. 1 *11 Apr 62*
- Black Hill No. 2 "
- Black Hill No. 3 "
- Black Hill No. 4 "
- Black Hill No. 5 "
- Black Hill No. 6 "
- Black Hill No. 7 "
- Black Hill No. 8 "
- Black Hill No. 9 "
- Black Hill No. 10 "
- Black Hill No. 11 "
- Black Hill No. 12 "
- Black Hill No. 13 "
- Black Hill No. 14 "
- Black Hill No. 15 "
- Black Hill No. 16 "
- Black Hill No. 17 "
- Black Hill No. 18 "
- Black Hill No. 19 *14 May 62*
- Black Hill No. 20 "
- Black Hill No. 21 "
- Black Hill No. 22 *29 Apr*
- Black Hill No. 23 "
- Black Hill No. 24 "
- Black Hill No. 25 "
- Black Hill No. 26 *29 Apr 62*
- Black Hill No. 27 "
- Black Hill No. 28 *14 May 62*
- Black Hill No. 29 "
- Black Hill No. 30 "
- Black Hill No. 31 "
- Black Hill No. 32 "
- Black Hill No. 33 "
- Black Hill No. 34 "
- Black Hill No. 35 "
- Black Hill No. 36 "
- Black Hill No. 37 "
- Black Hill No. 38 "
- Black Hill No. 39 "
- Black Hill No. 40 "

See Page 3 of Exhibit A

Records of Pinal County, Arizona Recorder

Name of Claim

Docket

Page

14 May 64	Black Hill No. 41	} Black Hill No. 1 Thru 45, and Black Hill No. 18 Amended	} 382 384 385 393	} 64 - 81 124 - 129 500 - 519 508 - 511	} 18 6 20 1 45
14 May 64	Black Hill No. 42				
14 May 64	Black Hill No. 43				
14 May 64	Black Hill No. 44				
14 May 64	Black Hill No. 45				
14 May 64	Black Hill No. 18 Amended				

- Cora No. 41
- Cora No. 42
- Cora No. 43
- Cora No. 44
- Cora No. 45
- Cora No. 46
- Cora No. 47
- Cora No. 48
- Cora No. 49
- Cora No. 50
- Cora No. 51
- Cora No. 52
- Cora No. 53
- Cora No. 54
- Cora No. 55
- Cora No. 56
- Cora No. 57
- Cora No. 58
- Cora No. 59
- Cora No. 60
- Cora No. 61
- Cora No. 62
- Cora No. 32

May be the same as Coro 41 through 62

294

528

TOGETHER WITH any and all interest that Owners or any of them may have in and to the areas included within the following unpatented lode mining claims situated in the Picacho Mining District, the location notices of which claims are of record in the office of the Recorder of Pinal County as follows:

Records of Pinal County, Arizona Recorder

Name of Claim

Docket

Page

Copper King No. 1	370	15 Nov 63	307
Copper King No. 2	370		308
Copper King No. 3	370		309
Copper King No. 4	370		310
Copper King No. 5	370		311
Copper King No. 6	370		312
Copper King No. 7	370		313
Copper King No. 8	370		314
Copper King No. 9	370		315
Copper King No. 10	370		316
Copper King No. 11	370		317
Copper King No. 12	370		318
Copper King No. 13	370		319
Copper King No. 14	370		320
Copper King No. 15	370		321
Copper King No. 16	370		322

all RANDALL

Copper King No 1 to 35 15 Nov 1963

Name of Claim

Docket

Page

Copper King No. 17	370	323
Copper King No. 18	370	324
Copper King No. 19	370	325
Copper King No. 20	370	326
Copper King No. 21	370	327
Copper King No. 22	370	328

Coro No. 1	140	469 ✓
Coro No. 2	140	470 ✓
Coro No. 3	140	471 ✓
Coro No. 4	140	472 ✓
Coro No. 5	140	473 ✓
Coro No. 6	140	474 ✓
Coro No. 7	140	475 ✓
Coro No. 8	140	476 ✓
Coro No. 9	140	477 ✓
Coro No. 10	140	478 ✓
Coro No. 11	140	479 ✓
Coro No. 12	140	480 ✓
Coro No. 13	140	481 ✓
Coro No. 14	140	482 ✓
Coro No. 15	140	483 ✓
Coro No. 16	140	484 ✓
Coro No. 17	140	485 ✓
Coro No. 18	140	486 ✓
Coro No. 19	140	487 ✓
Coro No. 20	140	488 ✓
Coro No. 21	140	518 ✓
Coro No. 22	140	519 ✓
Coro No. 23	140	489 ✓
Coro No. 24	140	490 ✓
Coro No. 25	140	491 ✓
Coro No. 26	140	492 ✓
Coro No. 27	140	493 ✓
Coro No. 28	140	494 ✓
Coro No. 29	140	495 ✓
Coro No. 30	140	496 ✓
Coro No. 31	140	520 ✓
Coro No. 32	140	497 ✓
Coro No. 33	140	498 ✓
Coro No. 34	140	499 ✓
Coro No. 35	140	500 ✓
Coro No. 36	140	501 ✓
Coro No. 37	140	502 ✓
Coro No. 38	140	503 ✓
Coro No. 39	140	504 ✓
Coro No. 40	140	505 ✓
Coro No. 41	140	506 ✓
Coro No. 42	140	507 ✓
Coro No. 43	140	508 ✓
Coro No. 44	140	509 ✓
Coro No. 45	140	521 ✓
Coro No. 46	140	522 ✓
Coro No. 47	140	523 ✓
Coro No. 48	140	524 ✓
Coro No. 49	140	525 ✓
Coro No. 50	140	526 ✓
Coro No. 51	140	527 ✓
Coro No. 52	140	528 ✓
Coro No. 53	140	529 ✓
Coro No. 54	140	530 ✓
Coro No. 55	140	531 ✓

ROBERT L DANIELS
16 Dec 1955

ROBERT L DANIELS

18 Dec 1955 ROBERT L DANIELS

19 "

"

Records of Pinal County, Arizona Recorder

Name of Claim

Docket

Page

Coro No. 56	19	140	532 ✓
Coro No. 57		140	533 ✓
Coro No. 58		140	534 ✓
Coro No. 59		140	535
Coro No. 60		140	536
Coro No. 61	18 Dec 55	140	537
Coro No. 62		140	538
Coro No. 63		140	539
Coro No. 64		140	540
Coro No. 65		140	541
Coro No. 66		140	542
Coro No. 67	19 Dec	140	543
Coro No. 68	18 Dec	140	544
Coro No. 69	14 Dec	140	545
Coro No. 70		140	546
Coro No. 71		140	547
Coro No. 72	16 Dec	140	548
Coro No. 73	19 Dec	140	549
Coro No. 74		140	550
Coro No. 75		140	551
Coro No. 76		140	552
Coro No. 77		140	553

*all
Dockets*

New North Star No. 1	31 Dec 65	370	40
New North Star No. 2	30 "	370	41
New North Star No. 5	4 "	370	44

FRANK RANDALL

Corra No. 8		294	504
Corra No. 9		294	505
Corra No. 10		294	506
Corra No. 11		294	507
Corra No. 12		294	508
Corra No. 13		294	509
Corra No. 14		294	510
Corra No. 15		294	511
Corra No. 16		294	512
Corra No. 17		294	513
Corra No. 18		294	514
Corra No. 19		294	515
Corra No. 20		294	516
Corra No. 21		294	517
Corra No. 22		294	518
Corra No. 23		294	519
Corra No. 24		294	520
Corra No. 25		294	521
Corra No. 26		294	522
Corra No. 27		294	523
Corra No. 28		294	524
Corra No. 29		294	525
Corra No. 30		294	526
Corra No. 31		294	527
Corra No. 33		294	529
Corra No. 34		294	530
Corra No. 35		294	531

*all
Summers
1 March 1961*

North Star No. 1		294	105
North Star No. 2		294	106
North Star No. 3		294	107
North Star No. 4		294	108
North Star No. 5		294	109

*Summers George
March 1961*

Records of Pinal County, Arizona Recorder

<u>Name of Claim</u>	<u>Docket</u>	<u>Page</u>
Corra No. 1	294	497
Corra No. 2	294	498
Corra No. 3	294	499
Corra No. 4	294	500
Corra No. 5	294	501
Corra No. 6	294	502

all George Summers owned by

TOGETHER WITH any additional unpatented mining claims now owned by "Owners" within Sections 3, 4, 5, 6, 7, 8, 9, 17 and 18 in T. 7 S., R. 10 E., G&SRM, Pinal County, Arizona.

All of which unpatented mining claims are referred to as the "Randall Claims" in the Agreement to which this Exhibit A is attached.

Notwithstanding anything in this Exhibit A or the Option to which it is attached, it is understood and agreed that the Randall Claims constitute only approximately 147 unpatented lode mining claims, and that the claims listed above constitute approximately 147 claims together with duplications and renamings and renumberings thereof.

INTRODUCTION:

The writer visited and examined the North Star group of copper claims in Pinal County, Arizona on December 18, 1973. Mr. Frank Randall, Coolidge, Arizona and major owner of the North Star property accompanied the writer during the examination to impart his knowledge of the claims and to explain his development work and location. Hartland Exploration Inc., is Randalls' corporation for the property.

The basis and preparation of this report includes the writers geologic knowledge of the general area, the writers personal visit and examination of the property and limited data provided by Mr. Frank Randall.

PROPERTY, LOCATION and ACCESSIBILITY:

The property consists of 95 unpatented standard lode claims, held by right of location (See Map No. 2). The following tabulation lists the claim names, as well as the Recorded Docket and Page number of the original location of the claim.

<u>Claim Names</u>	<u>Recorded Docket</u>	<u>Locations Page</u>
Coro # 1 through # 20	140	469- 488
Coro # 23 through #30	140	489- 496
Coro # 32 through # 44	140	497- 509
Coro # 21 and # 22	140	518- 519
Coro # 31	140	520
Coro # 45 through #47	140	521- 523
Coro # 49 through # 58	140	525 534
Copper Spot No. 3 Amended	339	380
Copper Spot No. 4 Amended	339	381
Copper Spot No. 5	339	382
Copper Spot No. 6	339	383
Copper Spot No. 7 Amended	339	384
Copper Spot No. 8 Amended	339	385
Copper Spot No. 13	339	386
Copper Spot No. 14	339	387
Copper Spot No. 15	339	388
Copper Spot No. 16	339	389
Copper Spot No. 17	339	390
Copper Spot No. 18	339	391
Hartland No. 1 through No. 26	590	378- 403

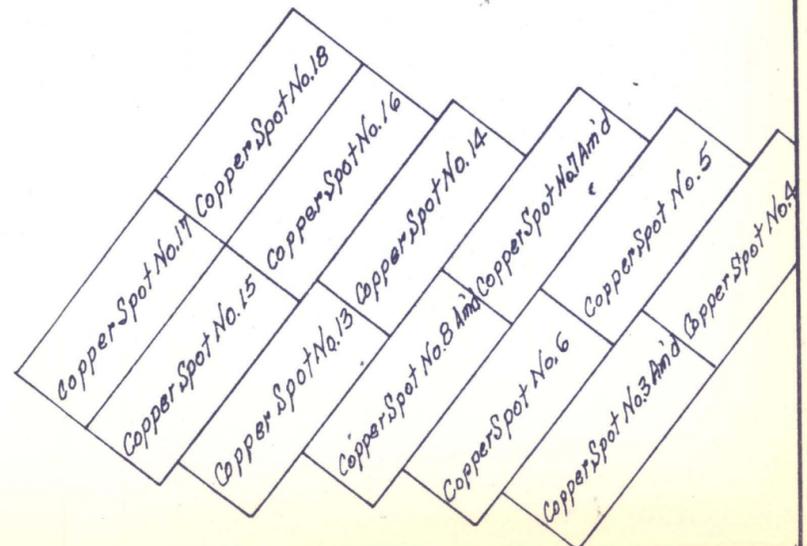
As can be seen from Map No. 2, the property covers all or parts of Sections 4, 5, 6, 7 and 8 of T. 7 S., R. 10 E. of the G. & S. R. E. & M., Pinal County, Arizona.

6-18-74

Coro No. 21		Coro No. 22					
Coro No. 16	Coro No. 17	Coro No. 18	Coro No. 19	Coro No. 20	Coro No. 31		
Coro No. 15	Coro No. 14	Coro No. 13	Coro No. 12	Coro No. 11	Coro No. 28	Coro No. 29	Coro No. 30

Hartland No. 22	Hartland No. 21
Hartland No. 19	Hartland No. 20

16 12/7	Coro No. 5	Coro No. 6	Coro No. 27	65 7/8	Coro No. 44	Coro No. 58	Hartland No. 18	Hartland No. 17	54 8/9
	Coro No. 4	Coro No. 7	Coro No. 26		Coro No. 45	Coro No. 57	Hartland No. 15	Hartland No. 16	
	Coro No. 3	Coro No. 8	Coro No. 25		Coro No. 46	Coro No. 56	Hartland No. 14	Hartland No. 13	
	Coro No. 2	Coro No. 9	Coro No. 24		Coro No. 47	Coro No. 55	Hartland No. 11	Hartland No. 12	
	Coro No. 1	Coro No. 10	Coro No. 23		Hartland No. 26	Hartland No. 25	Hartland No. 10	Hartland No. 9	
	Coro No. 32	Coro No. 36	Coro No. 40		Hartland No. 23	Hartland No. 24	Hartland No. 7	Hartland No. 8	
	Coro No. 33	Coro No. 37	Coro No. 41		Coro No. 49	Coro No. 54	Hartland No. 6	Hartland No. 5	
	Coro No. 34	Coro No. 38	Coro No. 42		Coro No. 50	Coro No. 53	Hartland No. 3	Hartland No. 4	
	Coro No. 35	Coro No. 39	Coro No. 43		Coro No. 51	Coro No. 52	Hartland No. 2	Hartland No. 1	
12/7 13/18				7/8 18/17					8/9 17/16



T.
7.
S.

D.D.H.

R. 10 E.

NOTE

Structures of CuO_x and FeO_x



MINERAL MAP
NORTH STAR PROPERTY
PINAL COUNTY, ARIZONA

Scale: 1" = 1000 ft.

JUNE, 1974

R. E. MIERITZ

MAP No. 3

Coro No. 21 Coro No. 22

Coro No. 16 Coro No. 17 Coro No. 18
Coro No. 19 Coro No. 20

Coro No. 31

Coro No. 15 Coro No. 14 Coro No. 13
Coro No. 12 Coro No. 11 Coro No. 28
Coro No. 29 Coro No. 30

Hartland No. 22 Hartland No. 21

Hartland No. 19 Hartland No. 20

16
12/7

Coro No. 5 Coro No. 6 Coro No. 27

65
7/8

Coro No. 44 Coro No. 58 Hartland No. 18 Hartland No. 17

59
8/9

Coro No. 4 Coro No. 7 Coro No. 26

Coro No. 45 Coro No. 57 Hartland No. 15 Hartland No. 16

Coro No. 3 Coro No. 8 Coro No. 25

Coro No. 46 Coro No. 56 Hartland No. 14 Hartland No. 13

Coro No. 2 Coro No. 9 Coro No. 24

Coro No. 47 Coro No. 55 Hartland No. 11 Hartland No. 12

Coro No. 1 Coro No. 10 Coro No. 23

Hartland No. 26 Hartland No. 25 Hartland No. 10 Hartland No. 9

Coro No. 32 Coro No. 36 Coro No. 40

Hartland No. 23 Hartland No. 24 Hartland No. 7 Hartland No. 8

Coro No. 33 Coro No. 37 Coro No. 41

Coro No. 49 Coro No. 54 Hartland No. 6 Hartland No. 5

Coro No. 34 Coro No. 38 Coro No. 42

Coro No. 50 Coro No. 53 Hartland No. 3 Hartland No. 4

Coro No. 35 Coro No. 39 Coro No. 43

Coro No. 51 Coro No. 52 Hartland No. 2 Hartland No. 1

127
13/18

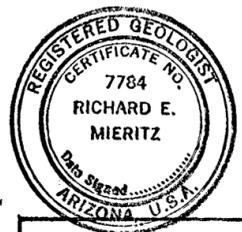
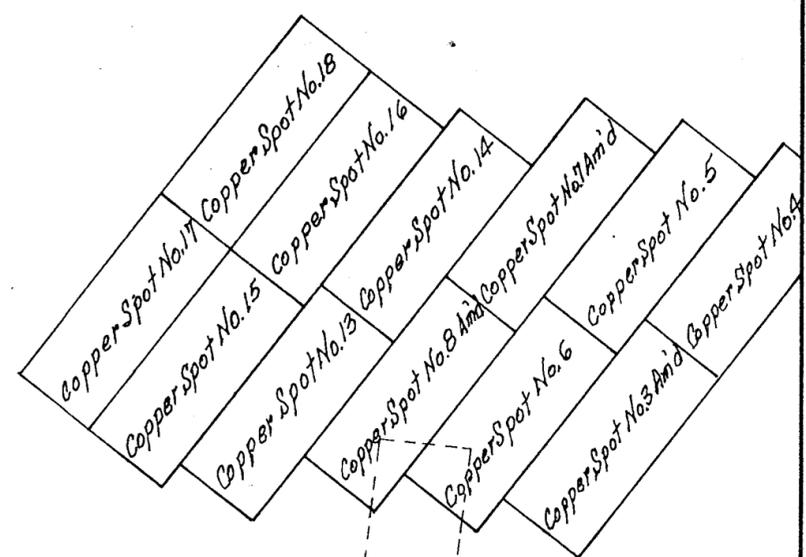
78
18/17

89
17/16

o.d.h.

R. 10 E.

T.
7
S.



CLAIM MAP
NORTH STAR PROPERTY
PINAL COUNTY, ARIZONA
Scale: 1" = 1000 ft.

JUNE, 1974

R. E. MIERITZ
MAP No. 2