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

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QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

R. M. COMPTON
BX 522
PEARCE, ARIZ.
85625

Necor Mineral Ventures
2341 S. Friebus Ave Suite 12
Tucson Az 85713

FIRST CLASS

Mrs. R. M. Compton
P.O. Box 522
Bisbee AZ 85625

May 14, 1984

Dear Mrs Compton,

Clancy Wendt asked me to respond to ~~the~~ your letter to him dated May 9, 1985. NICOR Mineral Ventures would be most interested in obtaining information regarding your mining claims. Please include any assay ~~data and~~ and sample data and location, if possible. If the property seems to fit with what we are looking for we will ~~set~~ contact you about any in-situ inspection.

Sincerely Yours

5/9/85

Nicor Minerals
Clancy Wendt.

Dear Sir;

You might be interested in some unpatented mineral claims I have in the Dragoon and Little Rincon mountains. If you would be please contact me at the following address.

Yours truly

R M Compton
PO Box 522
Pearce Az 85625

Ph (602)
826-3433

MRS R M COMPTON
BOX 522
PEARCE AZ 85625

PEARCE, AZ
MAY 9
PM
1985
85625

Domestic Mail
D
US Postage

Answer & get info

Nicor Mineral Ventures
2341 South Friebus Ave Suite 12
Tucson, Az. 85713

attn: Clancy Wendt

5/17/85

Nicor Mineral Ventures
Tucson Az 85713

Dear Mr Parkinson;

Here are reports and assays on 5 different Mineral - Metal Properties (Lode) unpatented Claims + 4 Mineral leases.

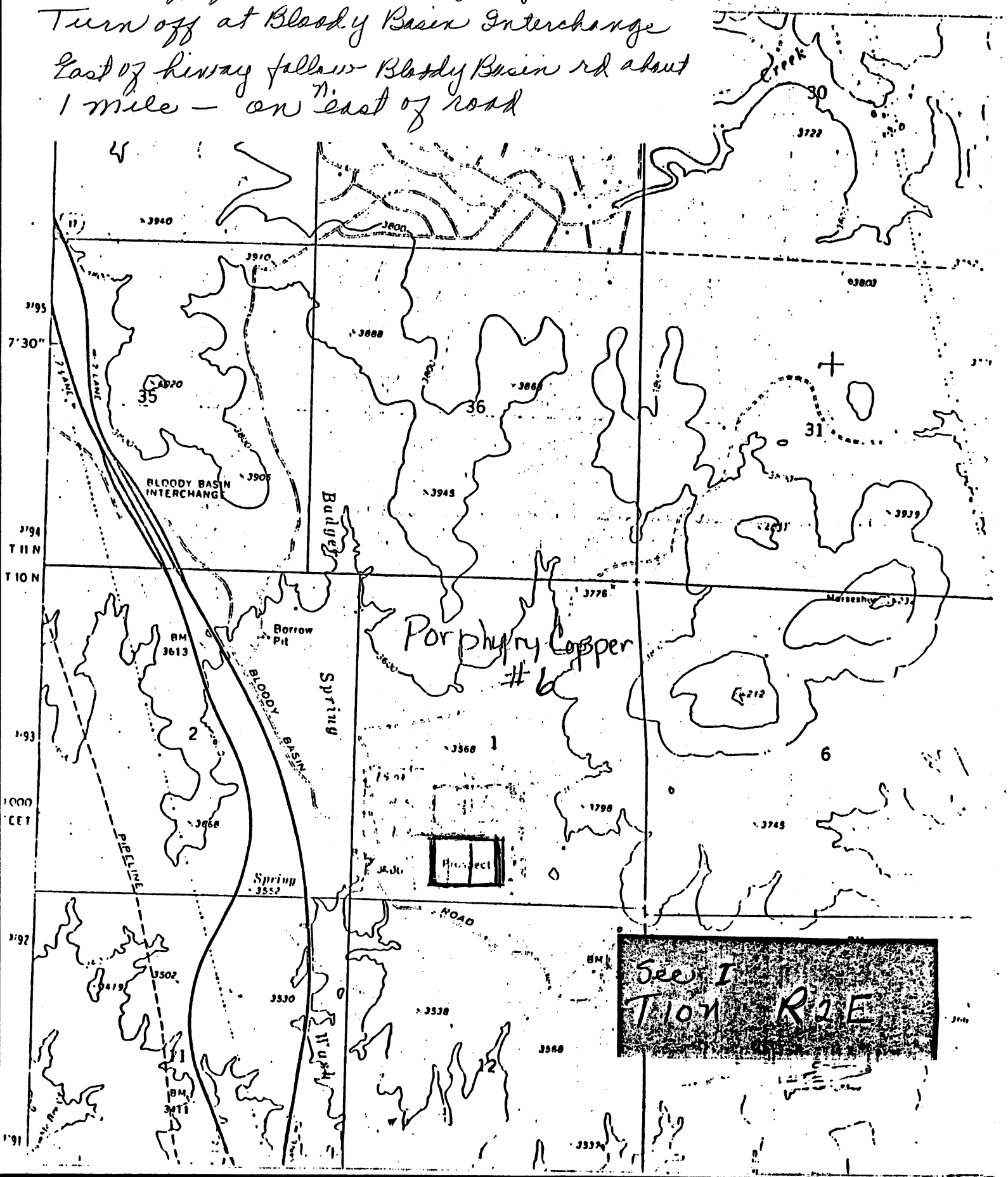
Please check the material and let me know your opinion.

Sincerely

RM Compton
PO Box 532
Pearce Az 85625

KRR claims 1-3
changed from Porphyry Copper in 1984

1/4 mile off of Interstate 17 going to Cordes Junction
Turn off at Bloody Basin Interchange
East of hiway follow Bloody Basin rd about
1 mile — on "east of road



SKYLINE LABS, INC.
P.O. Box 50106 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622 4936

RECEIVED JUN - 9 1980

JWM

REPORT OF ANALYSIS

JOB NO. TEA 275
JUNE 6, 1980

Analysis of 10 Rock Chip Samples

ITEM	SAMPLE NO.	Cu ppm	Ag ppm	Au ppm
1	14352	1100.	.8	.07
2	14353	7600.	9.2	.20
3	14354	5000.	7.2	.33
4	14355	160.	<.2	<.02
5	14356	2000.	.2	.17
6	14357	40.	<.2	<.02
7	14358	25.	<.2	<.02
8	14359	550.	.2	<.02
9	14360	5900.	.6	.02
10	14361	460.	<.2	<.02

Don Hearn says these are from Porphyry Copper 1-6

Inspiration Development Company
P.O. BOX 1320
CLAYPOOL, ARIZONA 85532

September 9, 1981

Mr. R. M. Compton
P. O. Box 522
Pearce, Arizona 85625

Dear Mr. Compton:

The following are the assays of the samples I collected on the Porphyry Copper Claims:

#5543 0.15 oz/tn Ag, 0.007 oz/tn Au, 0.66% Cu, Tr Mo, Tr WO_3
Grab sample from cut at west end of porphyry No. 4 claim.

#5544 Tr Ag, 0.015 oz/tn Au, 0.95% Cu, Tr Mo, Tr WO_3
Grab sample from small dump at shallow inclined shaft in No. 4 claim.

Inspiration has no further interest in your claims. Thank you for referring the property to this company.

Sincerely,

RGvonBoeck

Rene G. von Boeck
Asst. Chief Exploration Geologist

RGvB/bl

SKYLINE LABS, INC.
P.O. Box 50106 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9477
William L. Lehmbeck
Arizona Registered Assayer No. 9425
James A. Merlin
Arizona Registered Assayer No. 11122

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Au oz/ton	Ag oz/ton	Cu %
1	1	<0.005	0.61	2.30
2	2	0.020	0.06	0.88
3	3	<0.005	0.02	0.58
4	4	0.010	0.18	1.44
5	5	0.015	0.61	1.58
~~6~~	~~6~~	~~<0.005~~	~~<0.01~~	
~~7~~	~~7~~	~~<0.005~~	~~<0.01~~	
~~8~~	~~8~~	~~<0.005~~	~~0.01~~	
~~9~~	~~9~~	~~<0.005~~	~~<0.01~~	

Porphyry Copper

These ~~samples~~ samples were taken on Verde River are no good to us

Ron Sajo the - are from Porphyry Copper 1-6

REMARKS

Single analysis

CERTIFIED BY

REGISTERED ASSAYER CERTIFICATE NO. 9425 WILLIAM L. LEHMBECK ARIZONA

cc: Donald B. Hearn, P.O. Box 658
Benson, Arizona 85602
cc: Robert Lunceford, Box 228
Arizona Sec... 85714

DATE REC'D	DATE COMPL	JOB NUMBER
8/28/79	9/18/79	YBR 003

SOUTHWESTERN ASSAYERS & CHEMISTS, INC.

WIL WRIGHT
ARIZONA REG. NO. 5975

DNYANENDRA A. SHAH
ARIZONA REG. NO. 8888

REGISTERED ASSAYERS
P. O. BOX 7517
TUCSON, ARIZONA 85725

710 E. EVANS BLVD.
PHONE 602-884-5811
884-5812

JOB # 023678
RECEIVED 12-12-79
REPORTED 12-20-79

SAMPLE NUMBER	GOLD ~~OZ~~ PPM	SILVER ~~OZ~~ PPM	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
PC-4	<.02	< 1		180 ppm	(out crop)		
5a	.02	< 1		.64	(out crop)		
5b	.28	< 1		1.06	Waste dump)		
6a	<.02	< 1		385 ppm	(fault zone)		
6b	<.02	1		260 ppm	Diorodionite intrusit		
7	.40	7		.78	(out crop)		
8	.04	< 1		.43	(out crop)		
9	.60	2		1.46	waste dump)		
10	.40	1		.64	(out crop)		

REGISTERED ASSAYER
CERTIFICATE NO.
8888
Dnyanendra
Amrutlal Shah
OFFICIAL SIGNER
Arizona U.S.A.

12-20-79

1 ppm = 0.0001% 1 troy oz./ton = 34.286 ppm 1 ppm = 0.0292 troy oz./ton
* Gold and Silver reported in troy oz. per 2,000 lb. ton.

002

Don Hearn
Samples are from
Porphyry Copper 1-6

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

R.M. Compton
P.O. Box 522
Pearce, AZ 85625

Date: 9/28/84

Sample: Porphyry Copper #1, Red Vein

	Pct.	Lb/Ton	
Aluminum	3.1%	62	
Antimony*			
Barium	.1%	2	
Beryllium			
Bismuth			
Cadmium			
Calcium	1.7%	34	
Cesium			
Chromium			
Cobalt			
Columbium			
Copper	.6%	12	X
Fluorine			
Gallium			
Gold*			
Hafnium			
Indium			
Iridium			
Iron	2.4%	48	
Lead			
Lithium			
Magnesium	2.5%	50	
Manganese			
Mercury			
Molybdenum	.001%	.02	
Nickel			
Paladium			
Platinum*			
Potassium	.6%	12	
Rhenium			
Rhodium			
Rubidium			
Ruthenium			
Scandium			
Silver*			
Sodium	2.1%	42	
Strontium	.03%	.6	
Tantalum			
Tellurium			
Thallium			

	Pct.	Lb/Ton
Thorium		
Tin		
Titanium	.5%	10
Tungsten		
Uranium(e)		
Vanadium		
Zinc		
Zirconium		
RARE EARTH ELEMENTS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Silica, Gases, Water, Nondetectables, Remaining Contents, Percent: 86.3
tr=trace; r=radioactive; *=separate test advisable; c=possible commercial grade. All values are approximate, not exact, excludes losses & costs. (e)=U3O8 equivalent. x=further tests of sample or area suggested.
Ultraviolet Fluorescence: SW -- LW --
Approx. Specific Gravity: N/A
Other data:

Assayer: P. Reed

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

Date: 9/28/84

R.M. Compton

Sample: Porphyry Copper #2, Quartz vein

	Pct.	Lb/Ton
Aluminum	2.9%	58
Antimony*		
Barium	.1%	2
Beryllium		
Bismuth		
Cadmium		
Calcium	1.6%	32
Cesium		
Chromium		
Cobalt		
Columbium		
Copper	.02%	4
Fluorine		
Gallium		
Gold*		
Hafnium		
Indium		
Iridium		
Iron	2.8%	56
Lead		
Lithium		
Magnesium	1.9%	38
Manganese		
Mercury		
Molybdenum	.001%	.02
Nickel		
Paladium		
Platinum*		
Potassium	.2%	4
Rhenium		
Rhodium		
Rubidium		
Ruthenium		
Scandium		
Silver*		
Sodium	1.3%	26
Strontium	.005%	.1
Tantalum		
Tellurium		
Thallium		

	Pct.	Lb/Ton
Thorium		
Tin		
Titanium	.3%	6
Tungsten		
Uranium(e)		
Vanadium		
Zinc		
Zirconium		
RARE EARTH ELEMENTS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Silica, Gases, Water, Nondetectables, Remaining Contents, Percent: 88.8

tr=trace; r=radioactive; *=separate test advisable; c=possible commercial grade. All values are approximate, not exact, excludes losses & costs. (e)=U3O8 equivalent. x=further tests of sample or area suggested.

Ultraviolet Fluorescence: SW -- LW --

Approx. Specific Gravity: N/A

Other data:

Assayer: P. Reed

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

Date: 9/28/84

R.M. Compton

Sample: Porphyry Copper #3, Blue Vein

	Pct.	Lb/Ton	
Aluminum	6.4%	128	
Antimony*			
Barium	.2%	4	
Beryllium			
Bismuth			
Cadmium			
Calcium	2.3%	46	
Cesium			
Chromium			
Cobalt			
Columbium			
Copper	1.1%	22	X,C
Fluorine			
Gallium			
Gold*			
Hafnium			
Indium			
Iridium			
Iron	2.7%	54	
Lead			
Lithium			
Magnesium	3.2%	64	
Manganese	.1%	2	
Mercury			
Molybdenum			
Nickel			
Paladium			
Platinum*			
Potassium	.3%	6	
Rhenium			
Rhodium			
Rubidium			
Ruthenium			
Scandium			
Silver*			
Sodium	1.8%	36	
Strontium	.01%	.2	
Tantalum			
Tellurium			
Thallium			

	Pct.	Lb/Ton
Thorium		
Tin		
Titanium	.8%	16
Tungsten		
Uranium(e)		
Vanadium		
Zinc		
Zirconium		
RARE EARTH ELEMENTS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Silica, Gases, Water, Nondetectables, Remaining Contents, Percent: 81.0

tr=trace; r=radioactive; *=separate test advisable; c=possible commercial grade. All values are approximate, not exact, excludes losses & costs. (e)=U3O8 equivalent. x=further tests of sample or area suggested.

Ultraviolet Fluorescence: SW -- LW --

Approx. Specific Gravity: N/A

Other data:

Assayer: P. Reed

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

Date: 9/28/84

R.M. Compton

Sample: Porphyry Copper #4, Quartz Vein

	Pct.	Lb/Ton
Aluminum	1.9%	38
Antimony*		
Barium	.04%	.8
Beryllium		
Bismuth		
Cadmium		
Calcium	1.8%	36
Cesium		
Chromium		
Cobalt		
Columbium		
Copper		
Fluorine		
Gallium		
Gold*		
Hafnium		
Indium		
Iridium		
Iron	.9%	18
Lead		
Lithium		
Magnesium	.1%	2
Manganese	.03%	.6
Mercury		
Molybdenum		
Nickel		
Paladium		
Platinum*		
Potassium	.02%	.4
Rhenium		
Rhodium		
Rubidium		
Ruthenium		
Scandium		
Silver*		
Sodium	.3%	6
Strontium		
Tantalum		
Tellurium		
Thallium		

	Pct.	Lb/Ton
Thorium		
Tin		
Titanium	.2%	4
Tungsten		
Uranium(e)		
Vanadium		
Zinc		
Zirconium		
RARE EARTH ELEMENTS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Silica, Gases, Water, Nondetectables, Remaining Contents, Percent: 94.7
tr=trace; r=radioactive; *=separate test advisable; c=possible commercial grade. All values are approximate, not exact, excludes losses & costs. (e)=U3O8 equivalent. x=further tests of sample or area suggested.
Ultraviolet Fluorescence: SW -- LW --
Approx. Specific Gravity: N/A
Other data:

Assayer: P. Reed

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

1. Information from: Ruth Compton

   Address: P.O. Box 522, Pearce, AZ 85625 Phone: 826-3433

2. Mine: BEACON LIGHT (Cochise Co.) 3. No. of Claims - Patented ____ Unpatented 10 state parcels

4. Location: In Little Rincon Mtns. via J-6 Ranch Rd.(see Galleta Flat West 7½' quad.)

5. Sec NE¼ 16 Tp 16S Range 19E 6. Mining District None

7. Owner: Ruth Compton

8. Address: Same as above

9. Operating Co.: ____

10. Address: ____

11. President: ____ 12. Gen. Mgr.: ____

13. Principal Metals: Cu-Ag 14. No. Employed: ____

15. Mill, Type & Capacity: ____

16. Present Operations: (a) Down ☐ (b) Assessment work ☐ (c) Exploration ☐ (d) Production ☐ (e) Rate ____ tpd.

17. New Work Planned: ____

18. Miscl. Notes: Country rock is Precambrian Pinal Schist containing some phyllite and gneiss. Foliation generally strikes NE and has a shallow dip to the SE. Parallel or sub-parallel to the foliation are local occurrences of Precambrian(?) granite or qtz monzonite, massive white quartz and pematitic quartz and muscovite. Associated with one quartz zone is moderately heavy concentration of chrysocolla, reportedly assaying about 4 oz/ton silver.

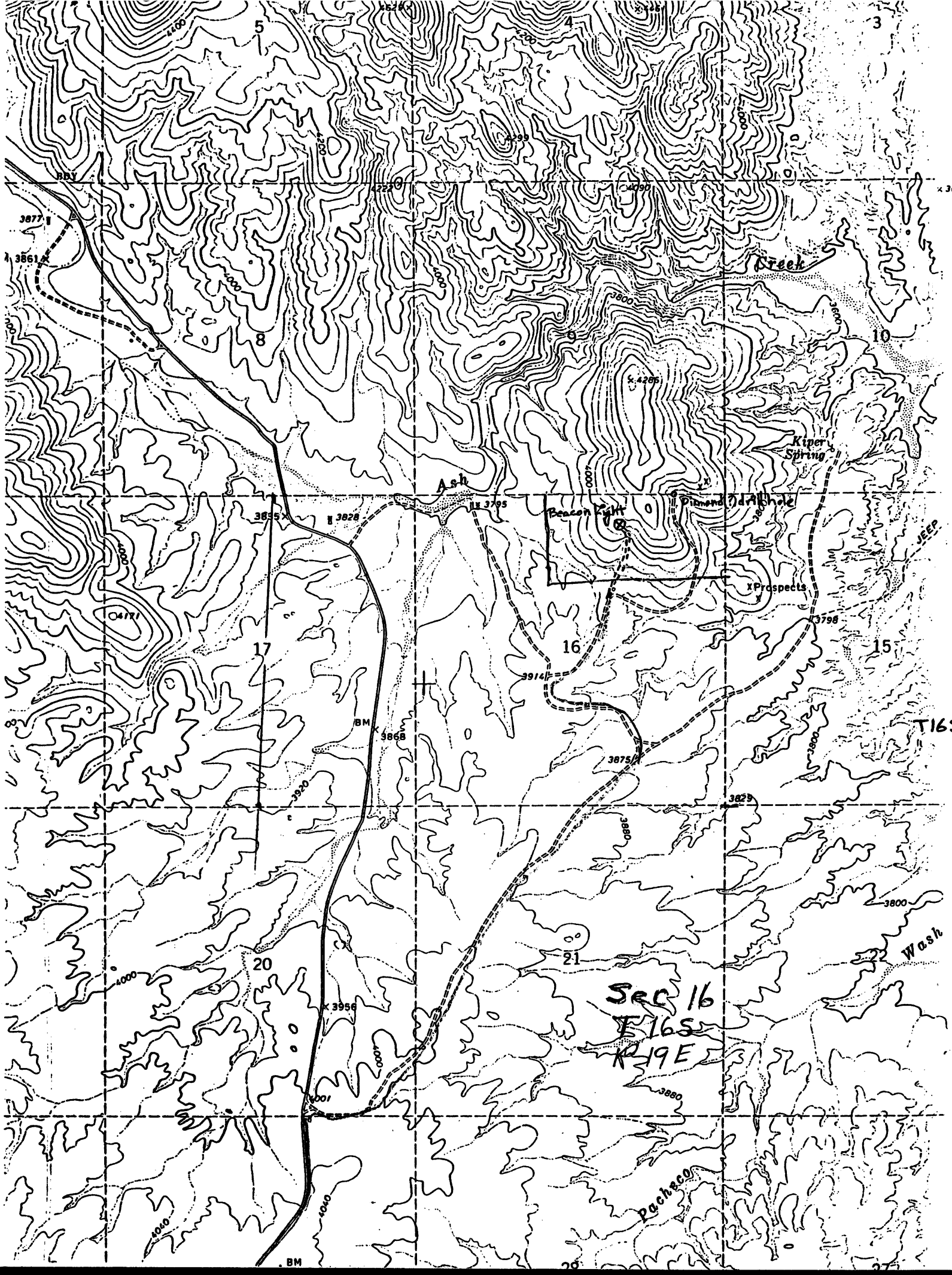
    In 1982 some rock was mined from surface cuts and reportedly leached.

    Property is State land comprised of prospecting permits and mineral leases.

    There are two diamond(?) drill holes in the general vicinity.

Date: October 4, 1983

M W Greeley
(Signature) (Field Engineer)


Creek
Kiper Spring
Ash
Beacon Light
Diamond Drill hole
Prospects
JEEP
T16S
Wash
Pacheco
Sec 16
T16S
R19E
BM
3877
3861
3835
3828
3795
3798
3914
3875
3868
3829
3956
4001
4171
4299
4286
4090
4252
3800
3880
3920
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4040
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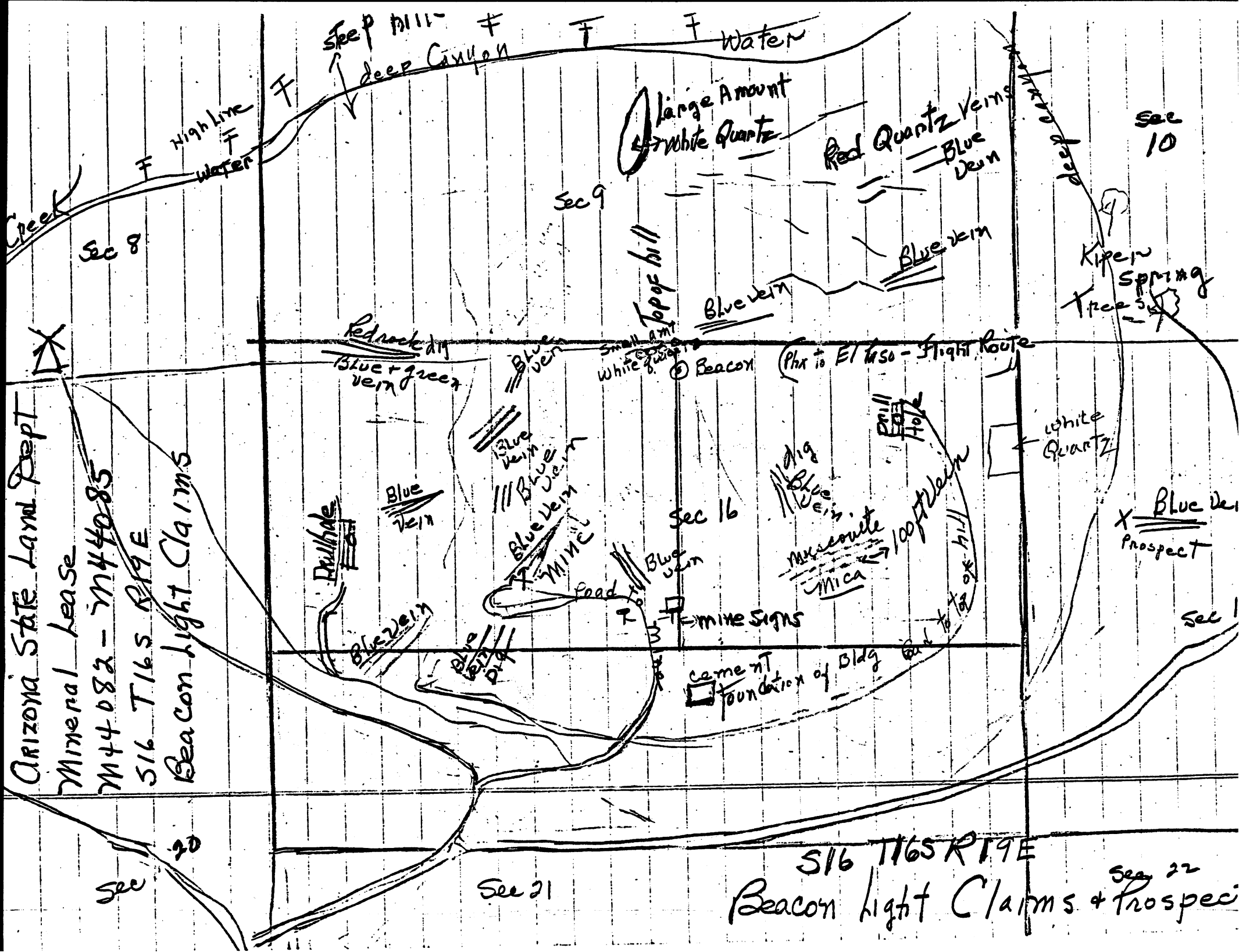

Arizona State Land Dept
Mineral Lease
M44082 - M44085
S16 T16S R19E
Beacon Light Claims
Steep hill
deep Canyon
Water
High Line
Water
Creek
Sec 8
Sec 9
Large Amount
White Quartz
Red Quartz Veins
Blue Vein
Sec 10
deep canyon
Blue vein
Top of hill
Blue vein
Kipen Spring
Trees
Redrock dig
Blue + green vein
Blue vein
Small amt
White Quartz
Beacon
Phx to El Paso - Flight Route
Drill Hole
White Quartz
Blue Vein
Blue Vein
Blue Vein
Blue Vein
Mine
Sec 16
Dig
Blue Vein
Mexcorite
Mica
100 ft Vein
Blue Vein
Prospect
Drillhole
Blue Vein
Road to
Blue Vein
T = mine signs
Blue Vein
Dig
Road to top of hill
Sec 1
cement foundation of Bldg
Sec 20
Sec 21
S16 T16S R19E
Beacon Light Claims & Prospect
Sec 22

(2)

S1196

SOUTHWESTERN ASSAYERS & CHEMISTS, INC.

WIL WRIGHT
ARIZONA REG. NO. 5875

DNYANENDRA A. SHAH
ARIZONA REG. NO. 8888

REGISTERED ASSAYERS
P. O. BOX 7517
TUCSON, ARIZONA 85725

710 E. EVANS BLVD.
PHONE 602-884-5811
884-5812

Placer Amex, Inc.

JOB # 023710 Continued

RECEIVED

REPORTED

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
~~Upper Road Cut~~	~~Nil~~	~~Nil~~					
BLC	.008	4.00	.39	1.66	1.65	SAMPLE SUBMITTED BY MRS. COMPTON, PEARCE LOCATION UNKNOWN	

Beacon Light

REGISTERED ASSAYER CERTIFICATE NO. 8888 Dnyanendra Amrutlal Shah DATE SIGNED 12-28-79 Arizona U.S.A.

1 ppm = 0.0001% 1 troy oz./ton = 34.286 ppm 1 ppm = 0.0292 troy oz./ton

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

Copper assay

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

WIL WRIGHT
ARIZONA REG. NO. 5875

DNYANENDRA A. SHAH
ARIZONA REG. NO. 8888

P.O. BOX 7517
TUCSON, ARIZONA 85725

710 E. EVANS BLVD.
PHONE 602-294-5811

Mr. Donald B. Hearn
P.O. Box 658
Benson, Arizona 85602

JOB # 020229
RECEIVED 1-6-77
REPORTED 1-11-77

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
1	.003	.06		1.13			
2	.002	.03		1.55			
3	.007	.03		1.56			
4	.002	.03		1.55			

REGISTERED ASSAYER
CERTIFICATE NO.
8888
Dnyanendra
Amrutlal Shah
DATE SIGNED 1-11-77
Arizona U. S. A.

Shah

Beacon Light Claims

CHARGE $ 32.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

Date: 12/15/83

Sample: #Black Stripped Rock, BLC

R.M. Compton
Box 522
Pearce, AZ 85625

	Percent	Lbs. per ton	Value per ton
Aluminum	4.3	86	$12.90
Antimony*			
Barium	0.002	0.04	none
Beryllium			
Bismuth			
Cadmium			
Calcium	5.5	110	$2.64
Cesium			
Chromium	0.01	0.2	none
Cobalt			
Columbium			
Copper			
Fluorine			
Gallium			
Hafnium			
Indium			
Iridium			
Iron	4.6	92	$2.39
Lead			
Lithium			
Magnesium	11.5	230	$16.10
Manganese	0.8	16	$1.44
Mercury			
Molybdenum			
Nickel			
Palladium			
Potassium	0.1	2	$0.08
Rhenium			
Rhodium			
Rubidium			
Ruthenium			
Scandium			
Silver*			

	Percent	Lbs. per ton	Value per ton
Sodium	1.8	36	$1.08
Strontium			
Tantalum			
Tellurium			
Thallium			
Thorium			
Tin			
Titanium	0.4	8	$0.32
Tungsten			
Uranium (e)			
Vanadium	0.001	0.02	none
Zinc			
Zirconium			
RARE EARTHS			
Cerium			
Dysprosium			
Erbium			
Europium			
Gadolinium			
Holmium			
Lanthanum			
Neodymium			
Lutecium			
Praseodymium			
Samarium			
Terbium			
Thulium			
Ytterbium			
Yttrium			

Silica, Gases, Nondetectables, Remaining Contents, percent: 70.9

Tr=Trace;R=Radioactive;*=Refined Metal Reports Only; X=Further testing advisable; C=Possible Commercial Value; Value per Ton=Highest Gross Value, Excludes Costs. (e)=U_3O_8 equivalent.

Assayer: P. Reed

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

R.M. Compton
PO Box 522
Pearce, AZ 85625

Date: 2/19/82
Sample: BLC #7

	Percent	Lbs. per ton	Value
Aluminum	5.5	110	
Antimony*			
Arsenic*			
Barium	.2	4	
Beryllium			
Bismuth			
Boron*			
Cadmium			
Calcium	3.4	68	
Carbon*	d		
Cesium			
Chromium	.005	.1	
Cobalt			
Columbium			
Copper	2.7	54	x
Fluorine			
Gallium			
Germanium*			
Gold			
Hafnium			
Indium			
Iridium			
Iron	3.7	74	
Lead	.3	6	
Lithium			
Magnesium	2.5	50	
Manganese	.1	2	
Mercury			
Molybdenum	.02	.4	
Nickel			
Palladium			
Phosphorus*	d		
Platinum			
Potassium	.2	4	
Rhenium			
Rhodium			
Rubidium			
Ruthenium			
Scandium			
Silicon*	d		
Silver			

	Percent	Lbs. per ton	Value
Sodium	3.9	78	
Strontium	tr		
Sulfur*			
Tantalum			
Tellurium*			
Thallium			
Thorium			
Tin			
Titanium	.5	10	
Tungsten			
Uranium			
Vanadium	tr		
Zinc			
Zirconium			
RARE EARTHS			
Cerium			
Dysprosium			
Erbium			
Europium			
Gadolinium			
Holmium			
Lanthanum			
Neodymium			
Lutecium			
Praseodymium			
Samarium			
Terbium			
Thulium			
Ytterbium			
Yttrium			

tr : Trace amount detected.
d : Detected in sample.
c : Possible commercial value.
r : Radioactive, avoid contact, isolate.
x : Further testing advisable.
a : See attached report for detail.
* : Remaining content of sample includes these elements, silica, gases. Percentage not available unless shown.

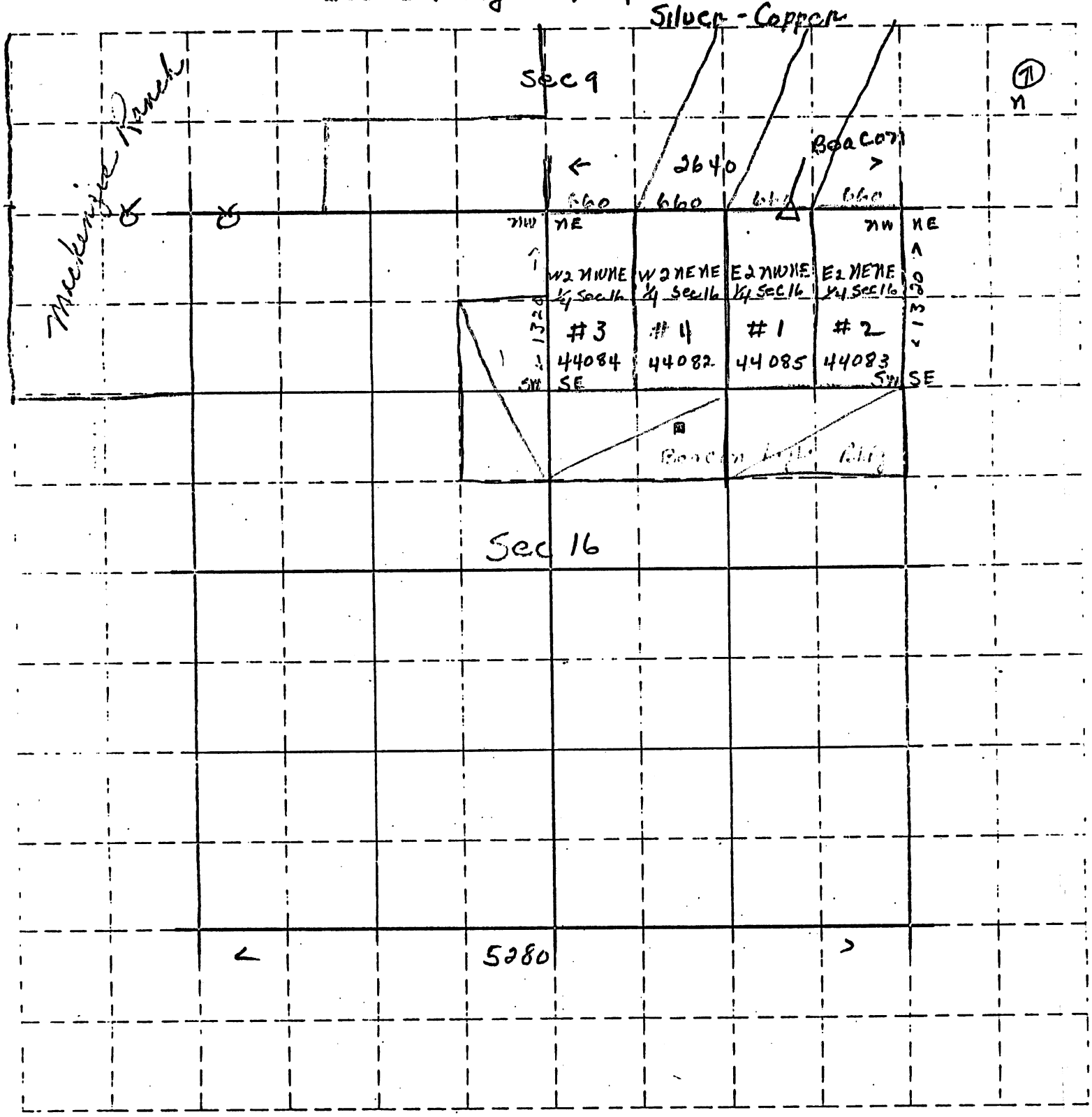
up-hill, from Price's guessing [illegible]

Lease Ref # (Type B) (Lode) SEC. 16 TWP. 16S. RGE. 1[illegible]E

11-44082 44084
44083 44085

Map of Beacon Light 1-4

ARIZONA STATE LAND DEPT.



1-ROD = 16½ FEET
1-CHAIN = 66 FEET
1 AC 43560 SQ.FT.

1 MI = 5280'
2640' 1/2 MI
1320' 1/4 MI
660' 1/8 MI
660' 1/8 MI

CHAINS 0 10 20 30 40 50 60 70 80

FEET 0 1000 2000 3000 4000 5000 6000 7000 8000

1 MILE =
5280 FEET
80 CHAINS
320 RODS
1760 YARDS
1609.3 METERS

1

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office
Registered Assayers

PHONE 622-0813

Tucson, Arizona, 10/31, 1983

Sample Submitted by Mr. R.M. COMPTON BEACON LIGHT

Sample Marked	GOLD Ozs. per ton ore	GOLD Value per ton ore*	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay'	LEAD Per cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay
	0.152		44.85	53.75				

Leach material

FIRE ASSAY
1 ASSAY TON EA SAMPLE

Charges $ Paid

Very respectfully,

Dean I S 23 T18S R24E

Prospecting Permits #79853 With bond on 60 A of Arizona State Land.

This area has limestone and rhyolite with a good showing of silver The limestone could be used as an additive to cement or used as an agriculture lime.

The rhyolite is an off white stone and could be used as Terrazzo stone.

There are reports of three drill holes of 100' each. silver is showing

Prospecting Permit #79853
Dean I

SEC. 23 | TWP. 18S
RGE. 24E

N

ARIZONA STATE LAND DEPT.

S2SW4 NW4 S23
NW4 SW4 S23

S23

1320'

2

1 3

660' 660'

Dean II USF
Sec 27

S 23
T 18 S
R 24 E

1 MI = 5280'

2640' 1/2 MI | 1320' 1/4 MI | 660' 1/8 MI | 660' 1/8 MI

1 MILE =
5280 FEET
80 CHAINS
320 RODS
1760 YARDS
1609.3 METERS

1-ROD = 16½ FEET
1-CHAIN = 66 FEET
1-ACRE = 43560 SQ. FT.

0 CHAINS 10 20 30 40 50 60 70 80

0 FEET 1000 2000 3000 4000 5000 6000 7000 8000

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

Date: 7/25/83
Sample: #1 Dean

R.M. Compton
P.O. Box 522
Pearce, AZ 85625

	Percent	Lbs. per ton	Value per ton
Aluminum	15.5	310	$46.50
Antimony*			
Barium	1.5	30	$0.84
Beryllium			
Bismuth			
Cadmium			
Calcium	2.8	56	$1.34
Cesium			
Chromium	0.02	0.4	none
Cobalt			
Columbium			
Copper			
Fluorine			
Gallium			
Hafnium			
Indium			
Iridium			
Iron	2.3	46	$1.20
Lead			
Lithium			
Magnesium	4.1	82	$5.58
Manganese	0.4	8	$0.72
Mercury			
Molybdenum	0.003	0.06	none
Nickel			
Palladium			
Potassium	4.7	94	$4.04
Rhenium			
Rhodium			
Rubidium			
Ruthenium			
Scandium			
Silver*			

	Percent	Lbs. per ton	Value per ton
Sodium	2.9	58	$1.86
Strontium	0.1	2	$0.06
Tantalum			
Tellurium			
Thallium			
Thorium			
Tin			
Titanium	0.6	12	$0.43
Tungsten			
Uranium (e)			
Vanadium			
Zinc			
Zirconium			
RARE EARTHS			
Cerium			
Dysprosium			
Erbium			
Europium			
Gadolinium			
Holmium			
Lanthanum			
Neodymium			
Lutecium			
Praseodymium			
Samarium			
Terbium			
Thulium			
Ytterbium			
Yttrium			

Silica, Gases, Nondetectables, Remaining Contents, percent: 65.0
Tr=Trace;R=Radioactive;*=Refined Metal Reports Only; X=Further testing advisable; C=Possible Commercial Value; Value per Ton=Highest Gross Value, Excludes Costs. (e)=U_3O_8 equivalent.

Assayer: P. Read

Whitewash Trench

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office
Registered Assayers

PHONE 622-0813

Tucson, Arizona, 10 NOV, 19 79

Sample Submitted by Mr. R. M. Compton

Sample Marked	GOLD Ozs. per ton ore	GOLD Value per ton ore	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	SiLICA Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay
						SiO_2		
"DEAN #2"	—	—	—	—	—	84.50		

*Gold Figured ~~$100.00 per oz.~~ Troy

Charges $ 7.00
8.00 Pd. on Act.

Very respectfully,
Mahlon S. Jacobs

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office
Registered Assayers

PHONE 622-0813

Tucson, Arizona, 2 Oct., 19 79

Sample Submitted by Mr. R. M. Compton

Sample Marked	GOLD Ozs. per ton ore	GOLD Value per ton ore	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay
"Dean Claim"	—	—	2.25					

*Gold Figured $100.00 per oz. Troy

Charges $ 5.00 paid

Dean #1

Very respectfully,
Mahlon S. Jacobs

CARLOS ROCHIN
MANAGER
REGISTERED ASSAYER
ARIZONA REG. No. 7126

HECTOR C. ROCHIN
FOUNDER
ARIZONA REG. No. 4073
FRANCISCO GONZALEZ, ASSOCIATE

HECTOR A. ROCHIN
MINING ENGINEER
LAND SURVEYOR
ARIZONA REG. No. 2473

Rochin Assay Office, Inc.

P. O. DR. 3507 – PHONE (AC 602) 364-8092
DOUGLAS, ARIZONA - 85607

ASSAYERS & METALLURGICAL CHEMISTS

CERTIFICATE OF ASSAY

Name Jack Gilbert

	GOLD (OZ)	SILVER (OZ)	COPPER (%)	LEAD (%)	ZINC (%)				
49513 #1 N Trench	Tr	0.10							
49514 #2	0.02	0.29							
49515 #3 Long Trench	Tr	Tr							
#1	Lime .6.8%								
#2	"	90 80							
Work done on Beam I									

REGISTERED ASSAYER CERTIFICATE NO. 7126 CARLOS ROCHIN DULY SIGNED ARIZONA U.S.A.

REMARKS:

DATE: June 20, 1983

CHARGES $

CARLOS ROCHIN
MANAGER
REGISTERED ASSAYER
ARIZONA REG. No. 7126

HECTOR C. ROCHIN
FOUNDER
ARIZONA REG. No. 4073
FRANCISCO GONZALEZ, ASSOCIATE

HECTOR A. ROCHIN
MINING ENGINEER AND
LAND SURVEYOR
ARIZONA REG. No. 2473

Rochin Assay Office, Inc.

P. O. DR. 3507 — PHONE (AC 602) 364-8092
DOUGLAS, ARIZONA - 85607

ASSAYERS & METALLURGICAL CHEMISTS

CERTIFICATE OF ASSAY

Name Jack Gilbert Dean I

	GOLD (OZ)	SILVER (OZ)	COPPER (%)	LEAD (%)	ZINC (%)				
49569 #4 Middle Trench	Tr	0.06							
49570 #5 Middle Trench	Tr	0.32							
49571 #6 Middle Trench	Tr	11.68							
49572 #7 Middle Trench	Tr	0.02							

REGISTERED ASSAYER CERTIFICATE NO. 7126 CARLOS ROCHIN DATE SIGNED ARIZONA U.S.A.

REMARKS:

DATE: June 24, 1983

CHARGES *

CARLOS ROCHIN
MANAGER
REGISTERED ASSAYER
ARIZONA REG. No. 7126

HECTOR C. ROCHIN
FOUNDER
ARIZONA REG. No. 4073
FRANCISCO GONZALEZ, ASSOCIATE

HECTOR A. ROCHIN
MINING ENGINEER AND
LAND SURVEYOR
ARIZONA REG. No. 2473

Rochin Assay Office, Inc.

P. O. DR. 3507 – PHONE (AC 602) 364-8092
DOUGLAS, ARIZONA - 85607
ASSAYERS & METALLURGICAL CHEMISTS

CERTIFICATE OF ASSAY

Name Jack Gilbert Dean I

	GOLD (OZ)	SILVER (OZ)	XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX	
49753	0.06	3.16		Dean 1st drill 7-22/10 ft So. drill
49754	0.06	1.70		Dean 7-22/20 ft. So. Drill Hole
49755	0.02	1.30		Dean Drill 7-22/30 ft South Side
49756	0.06	0.22		Dean Drill 7-22/40 ft Drill Hole So.
49757	Tr	0.20		Dean Drill 7-22/50 ft South Drill
49758	0.08	1.44		Dean Drill 7-22/60 ft South Drill
49759	Tr	Tr		Dean Drill 7-22/70 ft South Drill
49760	0.06	1.70		Dean Drill 7-22/80 ft South Drill
49761	Tr	0.48		Dean Drill 7-22/90 ft South Drill
49762	0.04	8.24		Dean Drill 7-22/100ft South Drill

REGISTERED ASSAYER CERTIFICATE NO. 7126 CARLOS ROCHIN DATE SIGNED ARIZONA U.S.A.

REMARKS:	DATE: July 28, 1983	CHARGES $

CARLOS ROCHIN
MANAGER
REGISTERED ASSAYER
ARIZONA REG. No. 7126

HECTOR C. ROCHIN
FOUNDER
ARIZONA REG. No. 4073
FRANCISCO GONZALEZ, ASSOCIATE

HECTOR A. ROCHIN
MINING ENGINEER AND
LAND SURVEYOR
ARIZONA REG. No. 2473

Rochin Assay Office, Inc.

P. O. DR. 3507 – PHONE (AC 602) 364-8092
DOUGLAS, ARIZONA - 85607

ASSAYERS & METALLURGICAL CHEMISTS

CERTIFICATE OF ASSAY

Name Jack Gilbert Dean I

	GOLD (OZ)	SILVER (OZ)	COPPER (%)	LEAD (%)	ZINC (%)				
49763 H #2 - #1	Tr	Tr							
49764 H #2 - #2	Tr	Tr							
49765 H #2 - #3	0.06	0.46							
49766 H #2 - #4	Tr	Tr							
49767 H #2 - #5	Tr	Tr							
49768 H #2 - #6	Tr	0.20							
49769 H #2 - #7	Tr	Tr							
49770 H #2 - #8	Tr	0.24							
49771 H #2 - #9	Tr	0.02							
49772 H #2 - #10	Tr	0.10							
49773 H #3 - #1	Tr	0.06							

REGISTERED ASSAYER CERTIFICATE NO 7126 CARLOS ROCHIN STATE OF ARIZONA U.S.A.

REMARKS:

DATE: July 28, 1983

CHARGES $

CARLOS ROCHIN
MANAGER
REGISTERED ASSAYER
ARIZONA REG. No. 7126

HECTOR C. ROCHIN
FOUNDER
ARIZONA REG. No. 4073
FRANCISCO GONZALEZ, ASSOCIATE

HECTOR A. ROCHIN
MINING ENGINEER AND
LAND SURVEYOR
ARIZONA REG. No. 2473

Rochin Assay Office, Inc.

P. O. DR. 3507 — PHONE (AC 602) 364-8092
DOUGLAS, ARIZONA - 85607

ASSAYERS & METALLURGICAL CHEMISTS

CERTIFICATE OF ASSAY

Name Jack Gilbert Dean I

	GOLD (OZ)	SILVER (OZ)	COPPER (%)	LEAD (%)	ZINC (%)				
49774 H #3 - #2	Tr	Tr							
49775 H #3 - #3	Tr	Tr							
49776 H #3 - #4	Tr	0.20							
49777 H #3 - #5	Tr	Tr							
49778 H #3 - #6	Tr	0.08							
49779 H #3 - #7	Tr	Tr							
49780 H #3 - #8	Tr	Tr							

REGISTERED ASSAYER CERTIFICATE NO. 7126 CARLOS ROCHIN DATE SIGNED ARIZONA U.S.A.

REMARKS:

DATE: July 28, 1983

CHARGES $

REED ENGINEERING
2166 COLLEGE AVENUE
COSTA MESA, CALIF. 92627

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

R.M. Compton
Box 522
Pearce, AZ 85625

Date: 11/21/79
Sample: Dean II

#2 claim on Dean claims (in creek)

	Percent	Lbs. per ton
Aluminum	17	340
Antimony*		
Arsenic*		
Barium	.03	.6
Beryllium		
Bismuth		
Boron*		
Cadmium		
Calcium	12.5	250
Carbon*	d	
Cesium		
Chromium		
Cobalt		
Columbium		
Copper		
Fluorine		
Gallium		
Germanium**		
Gold**		
Hafnium		
Indium		
Iridium**		
Iron	.1	2
Lead		
Lithium	tr	
Magnesium	2.4	48
Manganese	tr	
Mercury*		
Molybdenum		
Nickel		
Palladium		
Phosphorus*	d	
Platinum**		
Potassium	1.3	26
Rhenium**		
Rhodium**		
Rubidium**		
Ruthenium**		
Scandium**		
Silicon*	d	
Silver		

	Percent	Lbs. per ton
Sodium	2.5	50
Strontium	.01	.2
Sulfur*	d	
Tantalum		
Tellurium*		
Thallium		
Thorium		
Tin		
Titanium		
Tungsten		
Uranium		
Vanadium		
Zinc		
Zirconium		
RARE EARTHS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Carbon, Silicon, Volatiles, Gases: total remaining percentage.
*Special test w/o percentage
**Small amounts not detected
tr: Trace amount detected
d: Detected in sample

Dean claims #2 white rock

Star Claims 1--5 S.13 T17S R23E

These claims on U. S. Forest land.

Five unpatented Lode claims.

Good road makes claims accessable

Crystalline limestone on claims

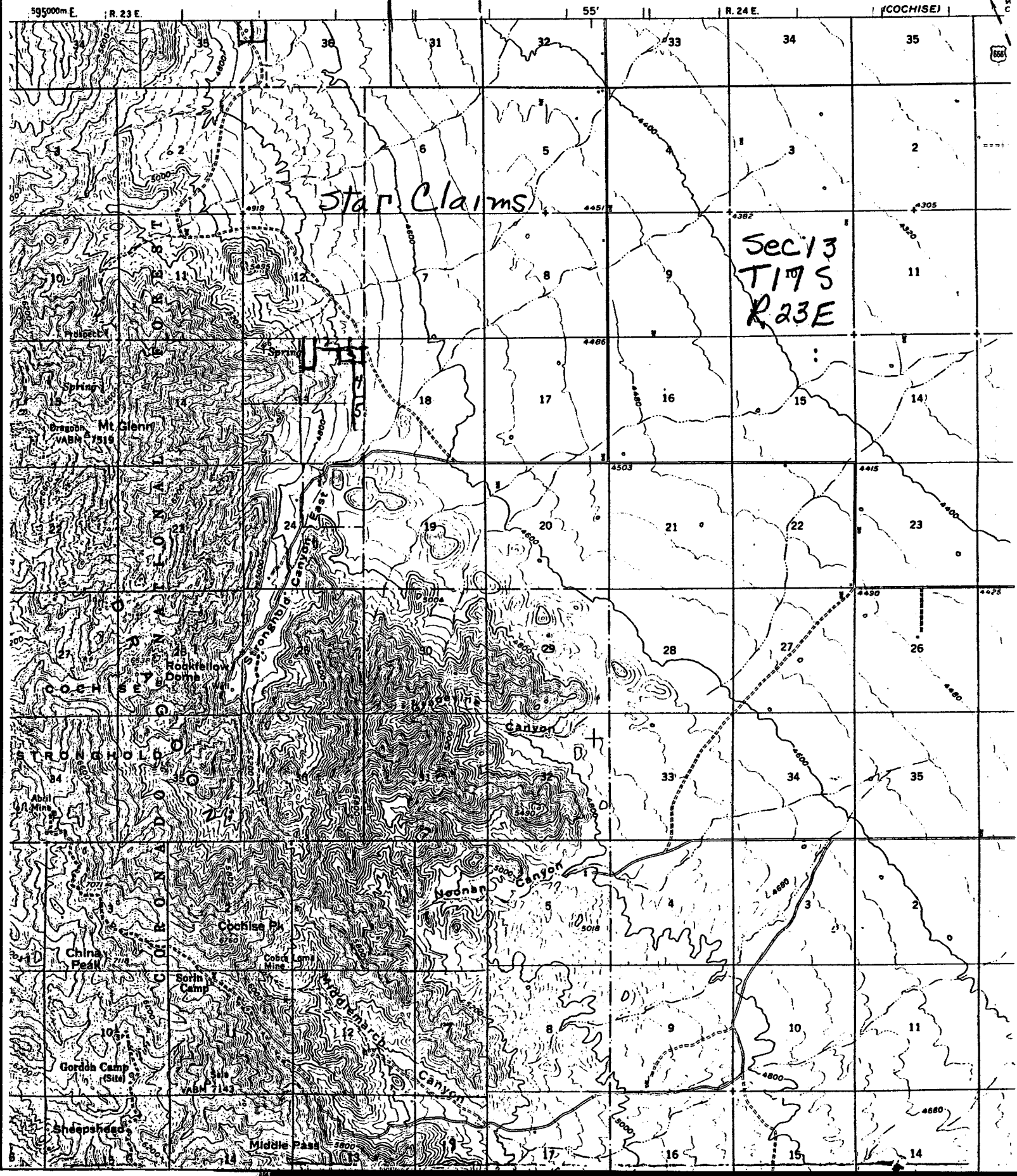
Vein of iron with fluorspar with .27 au. in ore. Vein is wide.

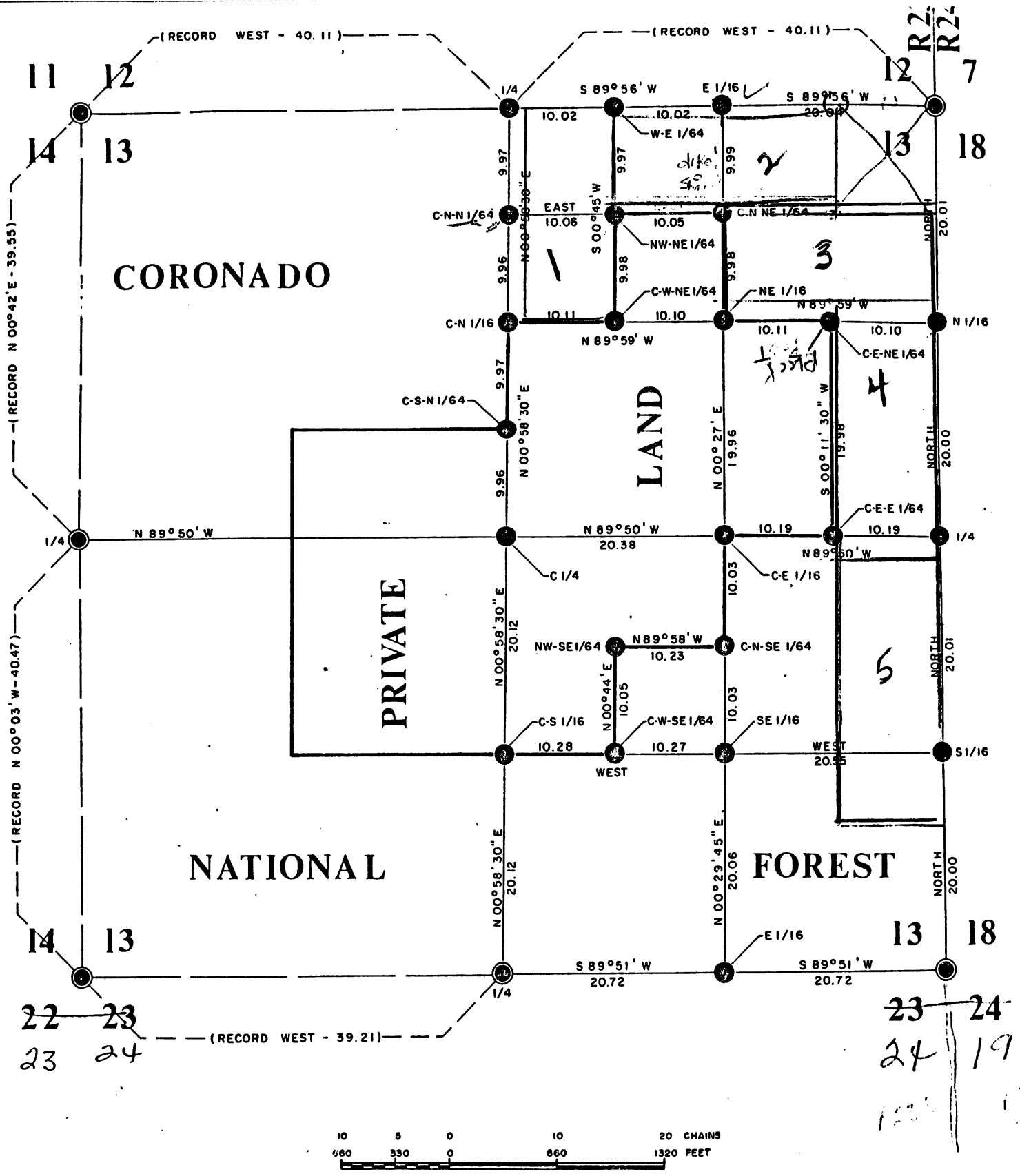
Fifty foot wide vein of ore Good assay from area.. Rich in mineral and metal. .79 au 2.81 ag .2 lead 10.53 cu

One assayer reports Berryllium at high reading

Good area merits extensive exploration

UNITED STATES
PARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





Sec 13
T19S
R23E

FOR FURTHER INFORMATION CONTACT GEORGE MCKAY AT 629-6722

ALLIED LABORATORIES

Assay Report

Client: R.M. Compton

Date: 9/26/84

Sample Number	Gold Oz/Ton	Silver Oz/Ton	Platinum Group Oz/Ton
1, Dean II Claim 3	below 0.01	below 0.01	below 0.01
Granite Bluff Re: Star Claims GB #1, BLI	0.27	4.18	below 0.01
Rainbow #2	0.09	0.38	below 0.01

This rock is the iron magnetite with fluorspar – (ribbon rock)

Method: Fire Assay & Wet Sep.
Detection Limit: 0.01 Troy Oz.

Post Office Box 486, Carlsbad, CA 92008

ALLIED LABORATORIES

Spectrographic Report

Client: R.M. Compton Date: 9/26/84 Sample: GB #1, BLJ

	Approximate Percentage		Approximate Percentage
Aluminum	3.6%	Silver	
Barium	.005%	Sodium	1.3%
Beryllium		Strontium	
Bismuth		Tantalum	
Cadmium		Thallium	
Calcium	19.5%	Thorium	
Cesium		Tin	
Chromium		Titanium	
Cobalt		Tungsten	
Columbium		Uranium(e)	
Copper	.003%	Vanadium	
Fluorine*	16.0%	Zinc	
Gallium		Zirconium	
Germanium		Rare Earths	
Gold**		Remaining Contents***	48.7%
Hafnium			
Indium			
Iridium			
Iron	14.2%		
Lead	.004%		
Lithium			
Magnesium	.4%		
Manganese	.3%		
Molybdenum	.004%		
Nickel			
Palladium			
Platinum**			
Potassium	.9%		
Rhodium			
Rubidium			
Ruthenium			

NOTES: Sample contains Fluorspar, no BeO.

Tr = Trace amount detected in sample.

R = Radioactive sample, avoid contact.

Approximate = Percentages are estimated, not exact.

* = Detectable gas, a nonmetal.

** = Not detectable in ores by this method.

*** = Remaining contents are Silica, Water, undetectable gasses, Carbon, Sulfur, and other elements.

(e) = Uranium Oxide, total.

Post Office Box 486, Carlsbad, CA 92008

Granite Bluff

REED ENGINEERING
2166 COLLEGE AVENUE
COSTA MESA, CALIF. 92627

CERTIFICATE OF ANALYSIS

R. Compton
1101 Christmas Tree Ln
Pearce, AZ 85625

DATE MAR 1 4 1979 19

Assay

Ore Sample No.	Gold-Oz/Ton	Silver-Oz/Ton
Ord	.79	2.81

P. Reed

ASSAYER

REED ENGINEERING
2166 COLLEGE AVENUE
COSTA MESA, CALIF. 92627

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

Date: MAR 1 4 1979

Sample:

R. Compton
1101 Christmas Tree Ln
Fearce, AZ 85625

	Percent	Lbs. per ton
Aluminum	8	16
Antimony*		
Arsenic*		
Barium		
Beryllium		
Bismuth		
Boron*		
Cadmium		
Calcium	6.9	138
Carbon*	d	
Cesium		
Chromium		
Cobalt		
Columbium		
Copper	10.5	210
Fluorine		
Gallium		
Germanium**		
Gold**		
Hafnium		
Indium		
Iridium**		
Iron	24.4	488
Lead	.01	.2
Lithium	tr	
Magnesium	.04	.8
Manganese	.2	4
Mercury*		
Molybdenum	.03	.6
Nickel		
Palladium		
Phosphorus*		
Platinum**		
Potassium	.1	2
Rhenium**		
Rhodium**		
Rubidium**		
Ruthenium**		
Scandium**		
Silicon*	d	
Silver		

	Percent	Lbs. per ton
Sodium	2.8	56
Strontium	.03	.6
Sulfur*	d	
Tantalum		
Tellurium*		
Thallium		
Thorium		
Tin		
Titanium	.01	.2
Tungsten		
Uranium		
Vanadium		
Zinc	6.5	130
Zirconium		
RARE EARTHS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Carbon, Silicon, Volatiles, Gases: total remaining percentage.
*Special test w/o percentage
**Small amounts not detected
tr: Trace amount detected
d: Detected in sample

LABORATORY REPORT

Mariposa Spectrographic Laboratory

5029 FOURNIER ROAD, MARIPOSA, CALIFORNIA 95338
Telephone (209) 966-2591

CHARGES: $10.00
LAB NO. 31942
SUBMITTED BY:
R. M. Compton
P. O. Box 522
Pearce, Arizona 85625

Date 11/29/79

Qualitative Spectrographic Analysis

ELEMENTS FOUND
AND ESTIMATED PERCENTAGE RANGE
OF CONCENTRATION

SAMPLE MARK
No mark

ELEMENT	Not Less Than %	Not More Than %	ELEMENT	Not Less Than %	Not More Than %	ELEMENT	Not Less Than %	Not More Than
Aluminum Al_2O_3	8.0	15.0	Lithium			Thallium		
Antimony			Magnesium MgO	0.15	0.30	Thorium		
Arsenic			Manganese	0.03	0.10	Tin	.005	0.0
Barium	.0007	.003	Mercury			Titanium	.0007	.00
Beryllium	5.0	10.0	Molybdenum	.0008	.004	Tungsten WO_3	0.03	0.1
Bismuth	0.10	0.20	Nickel			Uranium		
Boron			Osmium			Vanadium	.001	.00
Calcium CaO	4.0	8.0	Palladium			Zinc		
Cadmium			Phosphorus			Zirconium		
Cesium			Platinum	Not detected		RARE EARTHS:		
Chromium	.0005	.001	Potassium	0.10	0.20	Cerium		
Cobalt			Rhenium			Dysprosium		
Columbium			Rhodium			Erbium		
Copper	0.05	0.15	Rubidium			Europium		
Gallium	.005	0.01	Ruthenium			Gadolinium		
Germanium			Scandium			Holmium		
Gold	Not detected		Silicon (as SiO2)	8.0	15.0	Lanthanum		
Hafnium			Silver	.00008	.0004	Neodymium		
Indium			Sodium	0.03	0.10	Praseodymium		
Iridium			Strontium			Samarium		
Iron FeO/Fe_2O_3	major constituent		Tantalum			Ytterbium		
Lead	.006	0.02	Tellurium			Yttrium		

Remarks: This material is principally composed of Iron in the mineral form of Magnetite(FeO), along with considerable Beryllium, possibly in the mineral form of Chrysoberyl. Some Gypsum is also pres along with Quartz, and other elements as shown.

Respectfully Submitted

(Spectrographe

MARIPOSA SPECTROGRAPHIC LABORATORY

percent to ton (2,000 lbs.)
1.0% = 20.0 Lbs. AVOIR.
0.10% = 2.0 Lbs. AVOIR.
0.01% = 3.2 oz. AVOIR
0.001% = 0.32 oz. AVOIR.
0.0001% = 0.032 oz. AVOIR.

LABORATORY REPORT

Mariposa Spectrographic Laboratory

5029 FOURNIER ROAD, MARIPOSA, CALIFORNIA 95338
Telephone (209) 966-2591

CHARGES: $15.00(incl. Au-Ag assay)

LAB NO. 31076

Date 4/20/79

SUBMITTED BY:

. Compton
01 Christmas Tree Lane
arce, Arizona 85625

Qualitative Spectrographic Analysis

ELEMENTS FOUND
AND ESTIMATED PERCENTAGE RANGE
OF CONCENTRATION

SAMPLE MARK

"Granite Bluff"

ELEMENT	Not Less Than %	Not More Than %	ELEMENT	Not Less Than %	Not More Than %	ELEMENT	Not Less Than %	Not More Than %
Aluminum Al_2O_3	8.0	15.0	Lithium			Thallium		
Antimony			Magnesium MgO	0.30	0.60	Thorium		
Arsenic			Manganese	0.01	0.06	Tin	.005	0.01
Barium	.0007	.003	Mercury			Titanium	.0007	.003
Beryllium	8.0	15.0	Molybdenum	.0008	.004	Tungsten WO_3	0.15	0.30
Bismuth	0.30	0.60	Nickel			Uranium		
Boron			Osmium			Vanadium	.0007	.003
Calcium CaO	4.0	8.0	Palladium			Zinc	0.02	0.08
dmium			Phosphorus			Zirconium		
Cesium			Platinum Not detected in sample			RARE EARTHS:		
Chromium	.0002	.0006	Potassium	0.5	1.5	Cerium		
Cobalt			Rhenium			Dysprosium		
Columbium			Rhodium			Erbium		
Copper	0.5	1.0	Rubidium			Europium		
Gallium	.005	0.01	Ruthenium			Gadolinium		
Germanium			Scandium			Holmium		
Gold Not detected in sample			Silicon (as SiO2)	1.0	3.0	Lanthanum		
Hafnium			Silver	.0001	.0004	Neodymium		
ndium			Sodium	0.03	0.10	Praseodymium		
ridium			Strontium			Samarium		
Iron FeO/Fe_2O_3	major constituent		Tantalum			Ytterbium		
Lead	.008	0.04	Tellurium			Yttrium		

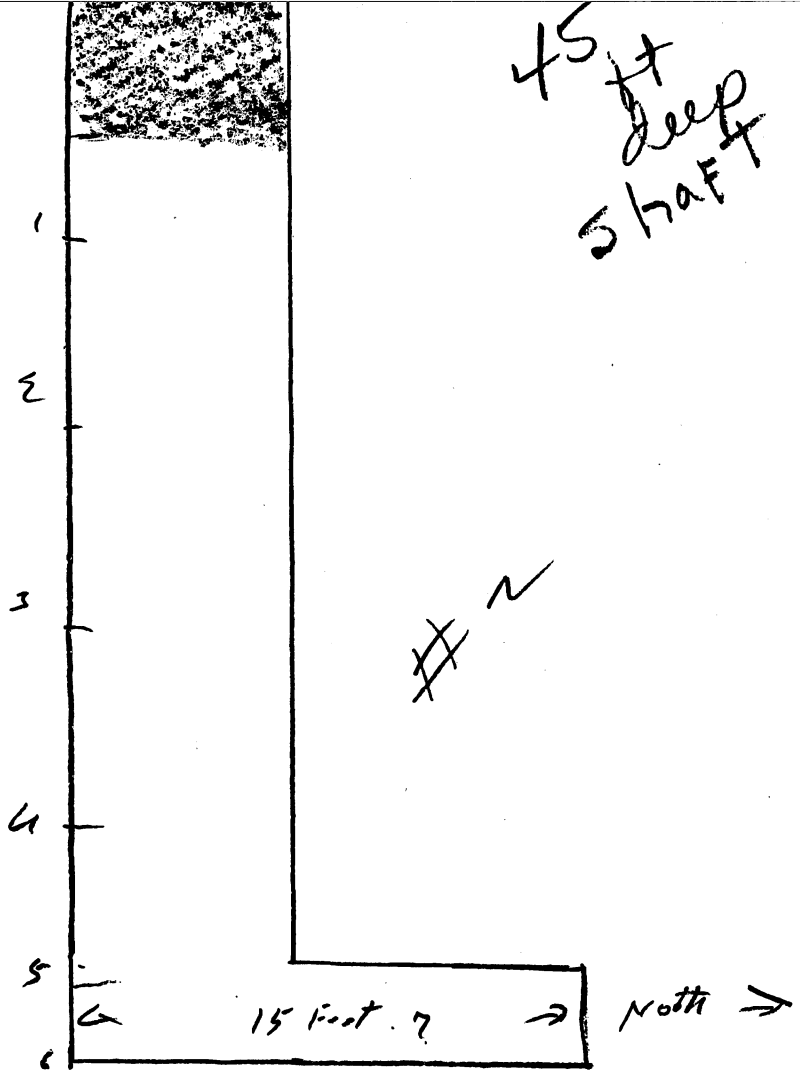
marks: This material is principally composed of Iron in the mineral form of Magnetite(FeO) along th considerable Beryllium, possibly in the mineral form of Bromellite. You also have some Tungste the mineral form of scheelite.

Respectfully Submitted

Joe R. Franz (Spectrographer

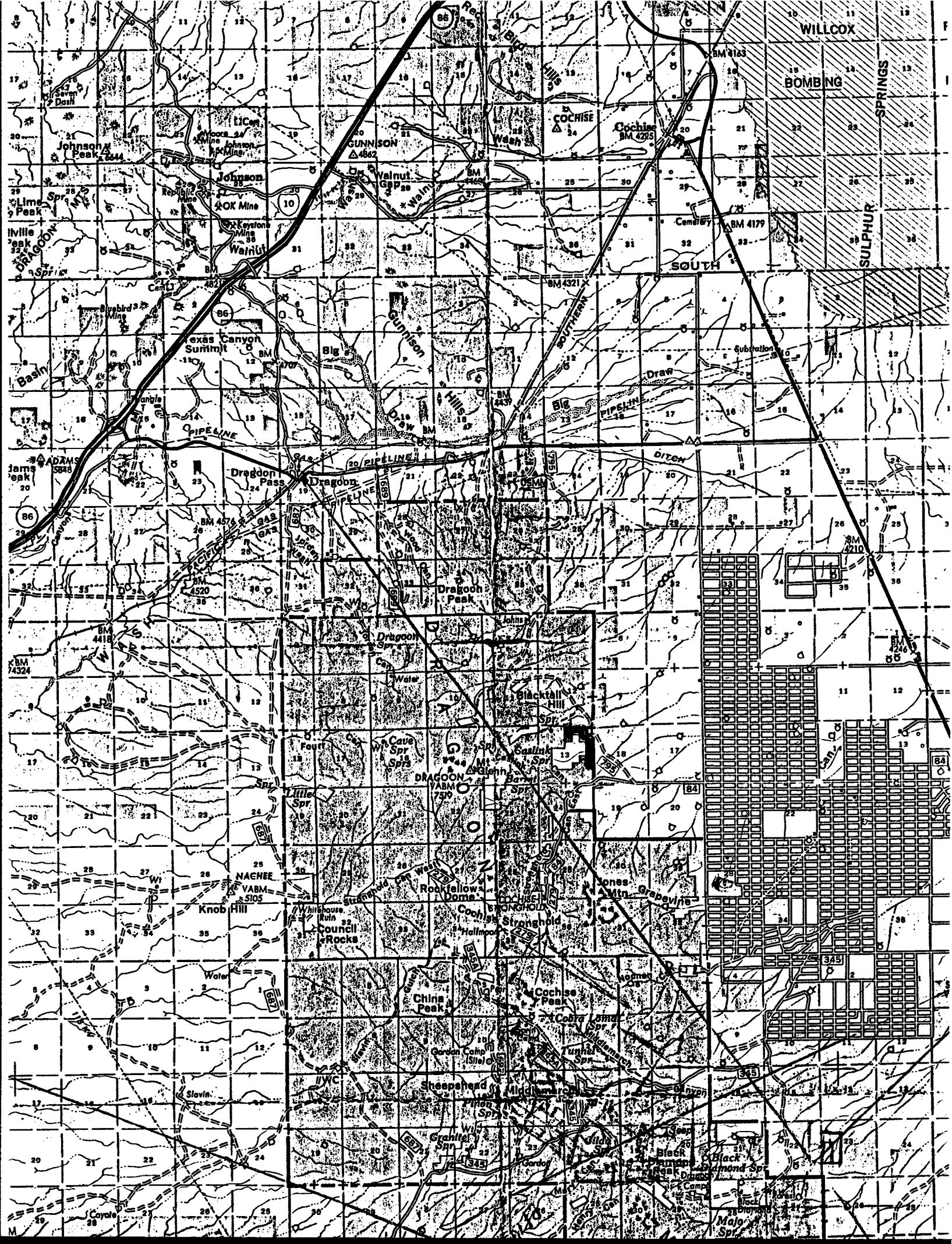
MARIPOSA SPECTROGRAPHIC LABORATORY

cent to ton (2,000 lbs.)
.0% = 20.0 Lbs. AVOIR.
.10% = 2.0 Lbs. AVOIR.
.01% = 3.2 oz. AVOIR
.001% = 0.32 oz. AVOIR.
.0001% = 0.032 oz. AVOIR.



Granite Bluff 1-3
ammended
to Star 1-5

45' shaft


WILLCOX
BOMBING
SPRINGS
SULPHUR
COCHISE
Cochise
BM 4225
BM 3183
GUNNISON
4862
Walnut Gap
Johnson Peak
Johnson
Lime Peak
OK Mine
Keystone Mine
Walnut
Cemetery
BM 4179
SOUTH
BM 4321
Texas Canyon Summit
Big Draw
Gunnison Hills
SOUTHERN
PIPELINE
Substation
ADAMS
Dragoon Pass
Dragoon
DITCH
BM 4576
BM 4520
BM 4210
Dragoon Peak
Dragoon Spr
Blacktail Hill
Cave Spr
Mt Glenn
DRAGOON
VABM 7519
Little Spr
NACHEE
VABM 5105
Knob Hill
Rockfellow Dome
Jones Mtn
Grapevine
Council Rocks
Stronghold
China Peak
Cochise Peak
Cobra Loma Spr
Tunnel Spr
Sheepshead
Middle Mesa
Pifion Spr
Grahlter Spr
Black Diamond Peak
Black Diamond Spr
Major Spr
Coyote

REED ENGINEERING
2166 COLLEGE AVENUE
COSTA MESA, CALIF. 92627

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

R.M. Compton
Box 522
Pearce, AZ 85625

Date: 11/19/79

Sample:

	Percent	Lbs. per ton
Aluminum	.9	18
Antimony*		
Arsenic*		
Barium	.02	.4
Beryllium		
Bismuth		
Boron*		
Cadmium		
Calcium	14.4	288
Carbon*	d	
Cesium		
Chromium		
Cobalt		
Columbium		
Copper		
Fluorine		
Gallium		
Germanium**		
Gold**		
Hafnium		
Indium		
Iridium**		
Iron	6.7	134
Lead	.2	4
Lithium	tr	
Magnesium	1.3	26
Manganese	.01	.2
Mercury*		
Molybdenum		
Nickel		
Palladium		
Phosphorus*	d	
Platinum**		
Potassium	.8	16
Rhenium**		
Rhodium**		
Rubidium**		
Ruthenium**		
Scandium**		
Silicon*	d	
Silver		

	Percent	Lbs. per ton
Sodium	1.4	28
Strontium		
Sulfur*	d	
Tantalum		
Tellurium*		
Thallium		
Thorium		
Tin		
Titanium	tr	
Tungsten		
Uranium		
Vanadium		
Zinc		
Zirconium		
RARE EARTHS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Carbon, Silicon, Volatiles, Gases: total remaining percentage.
*Special test w/o percentage
**Small amounts not detected
tr: Trace amount detected
d: Detected in sample

Shaft material

GB-#2

ending

OUR MOTTO: — WHAT THERE IS IN IT, NO MORE NO LESS.

EDMUND E. PHILLIPS, Vice-Pres.—Gen. Mgr. M. E. PHILLIPS, Secretary

THE COLORADO ASSAYING COMPANY

(INCORPORATED)

ASSAYERS AND CHEMISTS

NEW TELEPHONE 303 - 294-0218 ~~303-623-2842~~ 2244 BROADWAY

DENVER, COLORADO 80201 January 3, 1983

REPORT ON DETERMINATIONS MADE FOR—

Mr. R. M. Compton
P. O. Box 522
Pearce, Arizona 85625

SAMPLE MARKS	METALS	Amount per Ton Ozs.	Amount per Ton Hds.	PER CENT		Value per Ton Dollars	Value per Ton Cents
"Granite Bluff #1-BeO"	Beryllium Oxide			00.	025%		
rock taken from granite bluff center in front of where car is parked - #1 sample. shaved dig down 3 or 4 ft for rest of sample. (KMC)							

GOLD AT_____PER OUNCE SILVER AT_____PER OUNCE

LEAD AT_____PER UNIT COPPER AT_____PER UNIT

THE COLORADO ASSAYING COMPANY

By Ed. Phillips

1

OUR MOTTO: — WHAT THERE IS IN IT, NO MORE NO LESS.

EDMUND E. PHILLIPS, Vice-Pres.—Gen. Mgr.

M. E. PHILLIPS, Secretary

THE COLORADO ASSAYING COMPANY

(INCORPORATED)

ASSAYERS AND CHEMISTS

NEW TELEPHONE 303 - 294-0218

2244 BROADWAY
DENVER, COLORADO 80201

March 29, 1984

REPORT ON DETERMINATIONS MADE FOR—

Mr. R. M. Compton
P. O. Box 522
Pearce, Arizona 85625

SAMPLE MARKS	METALS	Amount per Ton Ozs.	Amount per Ton Hds.	PER CENT	Value per Ton Dollars	Value per Ton Cents
IDENTIFICATION REPORT (sample mailed 3/12/84) This sample consists of the hard white Quartz (silica) and the yellow-brown Grossularite Garnet (calcium, aluminum silicate with some iron, etc.). Garnets are often used as an abrassive material. (Large clear Garnets of desirable colors are used as semi-precious stones)						

Granite Bluff

GOLD AT_____PER OUNCE SILVER AT_____PER OUNCE
LEAD AT_____PER UNIT COPPER AT_____PER UNIT

THE COLORADO ASSAYING COMPANY

By Ed Phillips Jr.

East side of EB #1 - Vein 25 - 35 ft wide

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 3-2-81, 19____

Sample Submitted by Mr. R. Compton

Sample Marked	GOLD Ozs. per ton ore		~~GOLD Value per ton ore*~~		SILVER Ozs. per ton ore		~~COPPER Per cent Wet Assay~~		~~LEAD Per cent Wet Assay~~		~~Per Cent Wet Assay~~		~~Per Cent Wet Assay~~		~~Per Cent Wet Assay~~	
X	0.	008			0.	25										

* Gold Figured $300.00 per oz. Troy

Charges $ 7.50 Pd.

Very respectfully,

W. B. Jacobs

Claim Map
(Lode)
Rainbow Claims

GSRBM

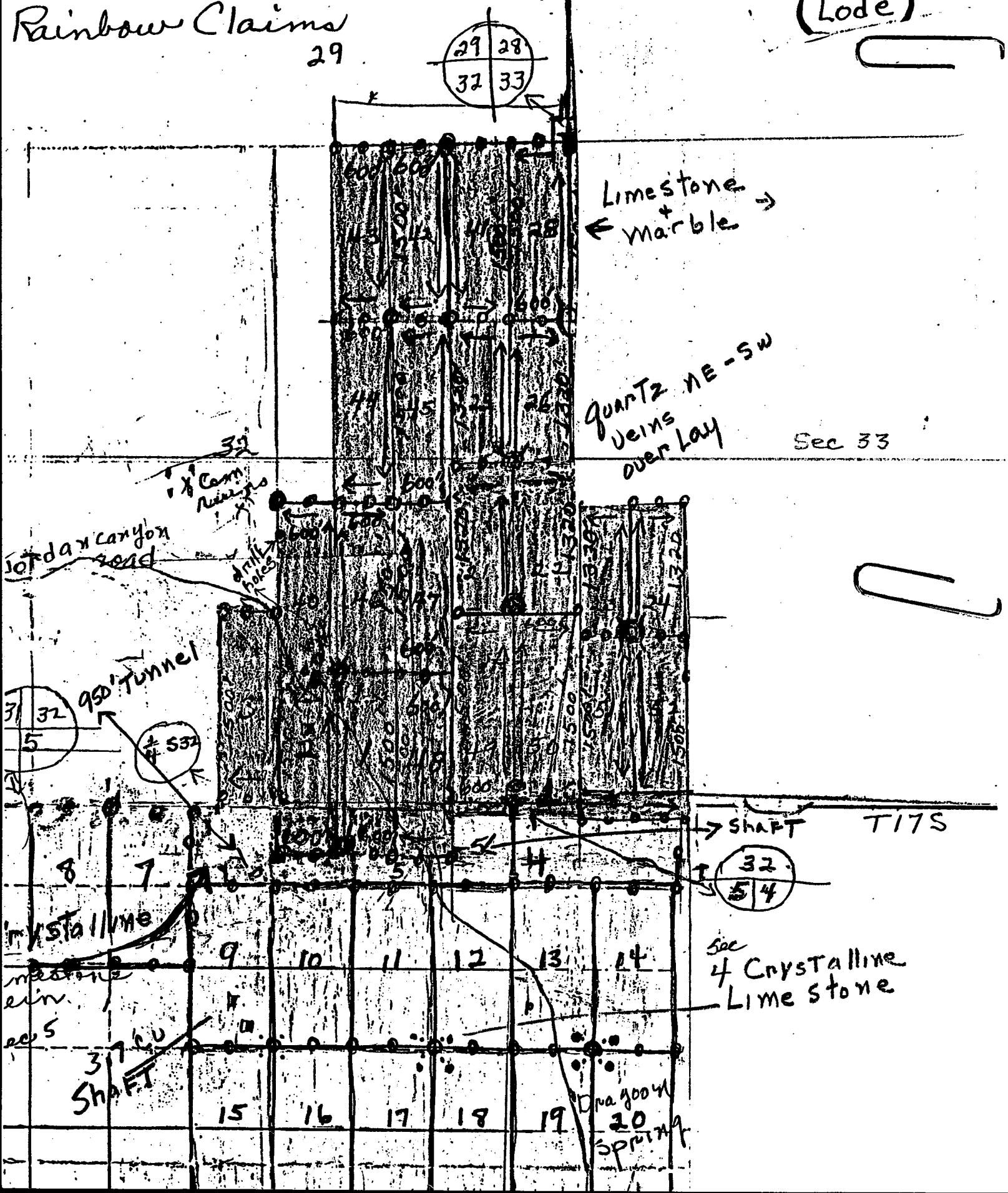
Secs 32 33 4 5

T 16S & T 17S

N R 23E

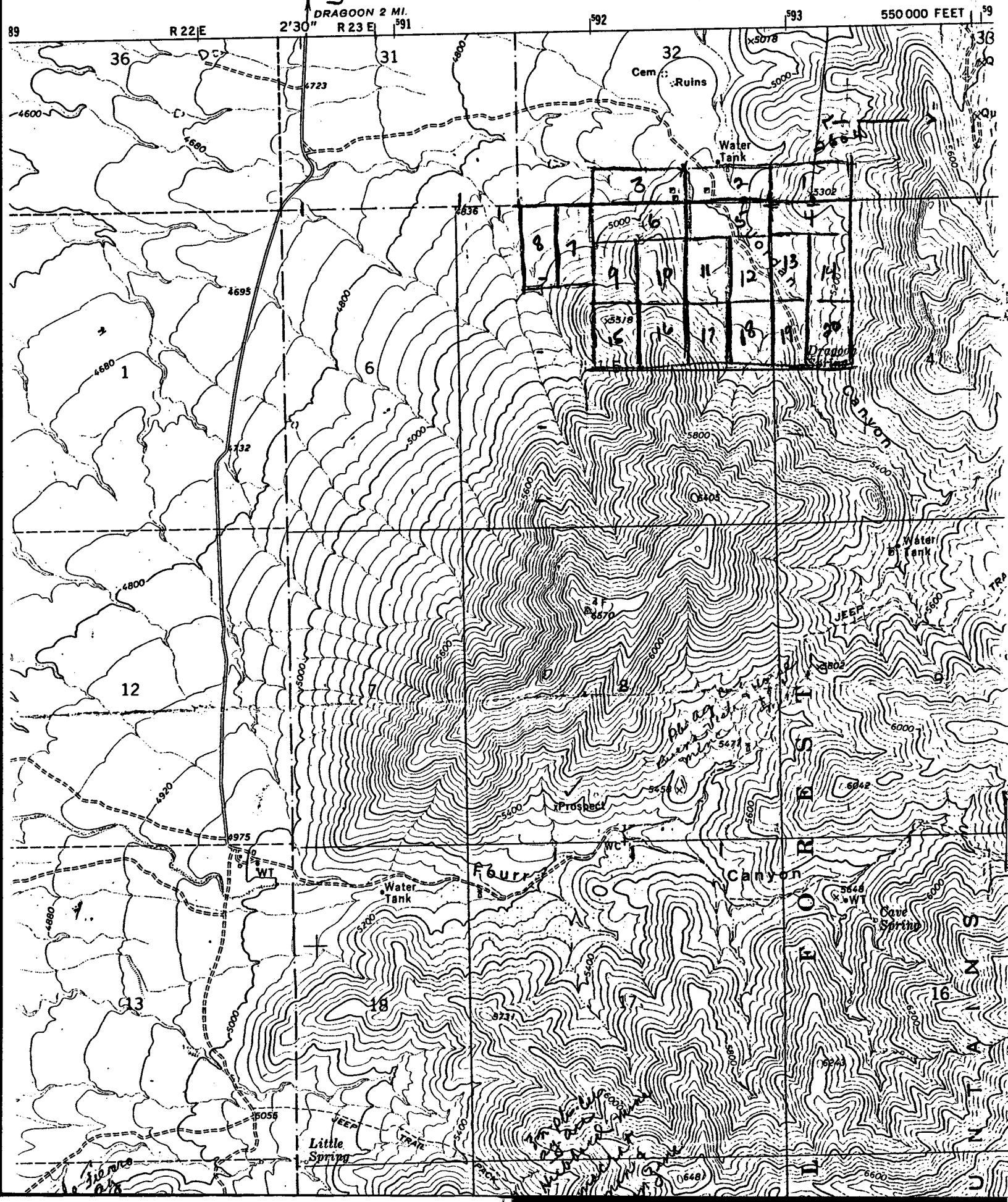
(Lode)

29



Rainbow claim 1-20
S32- T16S R23E
4
5 >- T17S R23E

KNOB HILL QUADRAN
ARIZONA—COCHISE C
7.5 MINUTE SERIES (TOPOG
NE/4 ST. DAVID 15' QUADRANGLE



TUCSON, ARIZONA 85713

Registered Assayers

Tucson, Arizona, 2/23 1984

03523

Sample Submitted by Mr. R. M. COMPTON

Sample Marks	GOLD Ozs. per ton ore	GOLD Value per ton ore	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay
Rainbow #1	0.015		<0.05					
#2	0.010		0.10					
#3	0.012		0.20					
#4	0.008		0.15					
GRANITE	0.006		0.05					
CLIFF NO DIG								
Wonder #6	0.002		0.05					
FIRE ASSAY								
ASSAY NET SAMPLE								

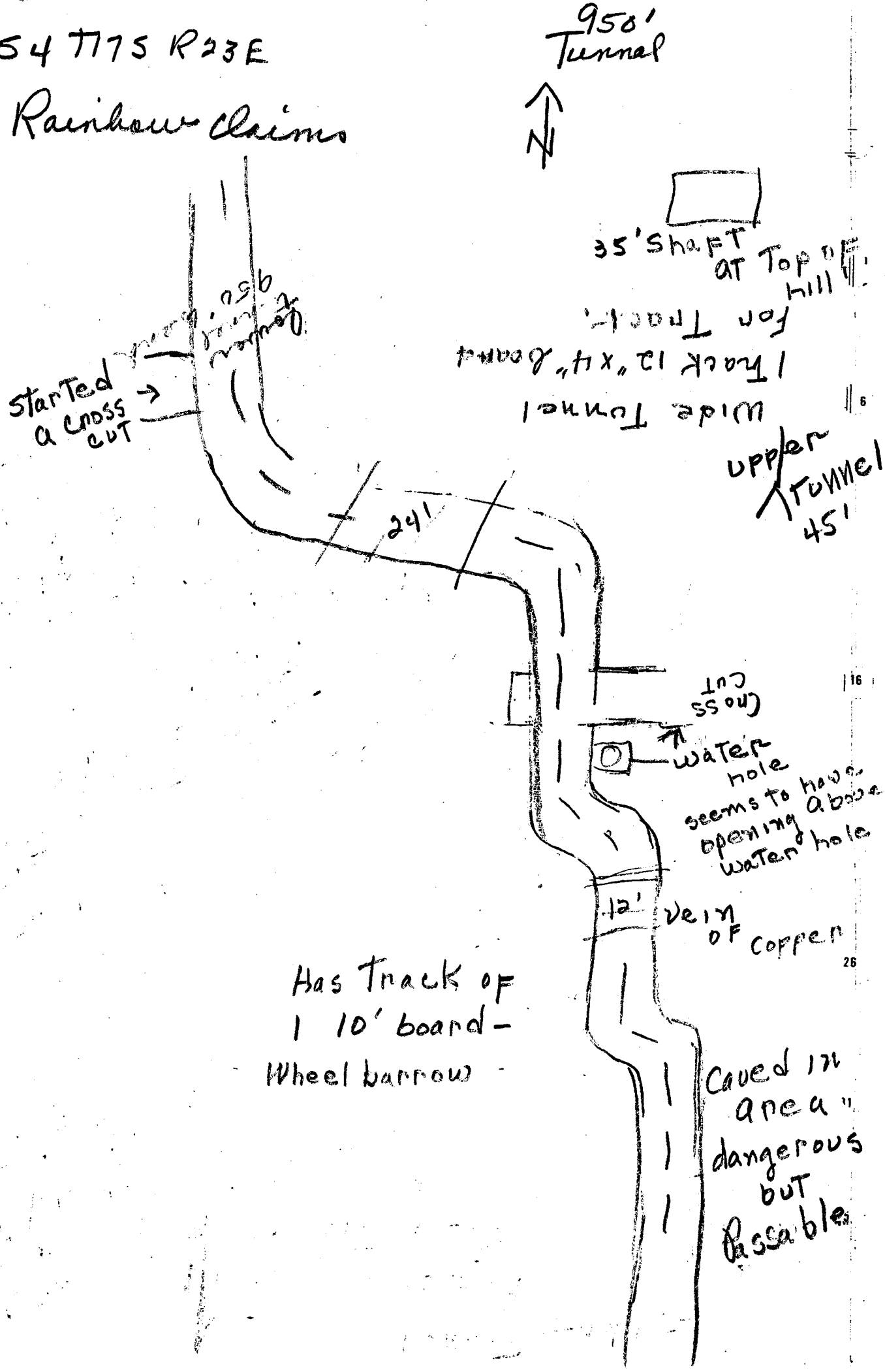
REGISTERED ASSAYER ARIZONA 11650 MICHAEL G. JACOBS

Charges $ 15.00 paid

Very respectfully

S4 T17S R23E

Rainbow claims



REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

R.M. Compton
P.O. Box 522
Pearce, AZ 85625

Date: 10/6/81

Sample: Rainbow Claims #6

	Percent	Lbs. per ton	Value
Aluminum	.3	6	
Antimony*			
Arsenic*			
Barium			
Beryllium			
Bismuth			
Boron*			
Cadmium			
Calcium	1.2	24	
Carbon*	d		
Cesium			
Chromium	.01	.2	
Cobalt			
Columbium			
Copper	3.7	74	x,c
Fluorine			
Gallium			
Germanium*			
Gold			
Hafnium			
Indium			
Iridium			
Iron	6.9	138	
Lead			
Lithium			
Magnesium	.3	6	
Manganese	.005	.1	
Mercury			
Molybdenum			
Nickel			
Palladium			
Phosphorus*	d		
Platinum			
Potassium	tr		
Rhenium			
Rhodium			
Rubidium			
Ruthenium			
Scandium			
Silicon*	d		
Silver			

	Percent	Lbs. per ton	Value
Sodium	.2	4	
Strontium			
Sulfur*	d		
Tantalum			
Tellurium*			
Thallium			
Thorium			
Tin			
Titanium			
Tungsten			
Uranium			
Vanadium			
Zinc	.01	.2	
Zirconium			
RARE EARTHS			
Cerium			
Dysprosium			
Erbium			
Europium			
Gadolinium			
Holmium			
Lanthanum			
Neodymium			
Lutecium			
Praseodymium			
Samarium			
Terbium			
Thulium			
Ytterbium			
Yttrium			

tr : Trace amount detected.
d : Detected in sample.
c : Possible commercial value.
r : Radioactive, avoid contact, isolate.
x : Further testing advisable.
a : See attached report for detail.
* : Remaining content of sample includes these elements, silica, gases. Percentage not available unless shown.

at shaft on top of hill (really a trench) not shaft 1st trench

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

R.M. Compton
P.O. Box 522
Pearce, AZ 85625

Date: 9/15/84

Sample: Rainbow #24

	Pct.	Lb/Ton	
Aluminum	3.9%	78	
Antimony*			
Barium	.02%	.4	
Beryllium			
Bismuth			
Cadmium			
Calcium	4.7%	94	
Cesium			
Chromium	.3%	6	
Cobalt			
Columbium			
Copper	.005%	.1	
Fluorine			
Gallium			
Gold*			
Hafnium			
Indium			
Iridium			
Iron	10.9%	218	
Lead	2.4%	48	X,C
Lithium			
Magnesium	7.9%	158	
Manganese	2.3%	46	
Mercury			
Molybdenum	.01%	.2	
Nickel			
Paladium			
Platinum*			
Potassium	1.3%	26	
Rhenium			
Rhodium			
Rubidium			
Ruthenium			
Scandium			
Silver*			
Sodium	9.3%	186	
Strontium	.01%	.2	
Tantalum			
Tellurium			
Thallium			

	Pct.	Lb/Ton
Thorium		
Tin		
Titanium	1.1%	22
Tungsten		
Uranium(e)		
Vanadium		
Zinc	.1%	2
Zirconium		
RARE EARTH ELEMENTS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Silica, Gases, Water, Nondetectables, Remaining Contents, Percent: 55.7%

tr=trace; r=radioactive; *=separate test advisable; c=possible commercial grade. All values are approximate, not exact, excludes losses & costs. (e)=U3O8 equivalent. x=further tests of sample or area suggested.

Ultraviolet Fluorescence: SW - LW -

Approx. Specific Gravity: N/A

Other data:

Assayer: P. Reed

OUR MOTTO: — WHAT THERE IS IN IT, NO MORE NO LESS.

EDMUND E. PHILLIPS, Vice-Pres.—Gen. Mgr.

M. E. PHILLIPS, Secretary

THE COLORADO ASSAYING COMPANY

(INCORPORATED)

ASSAYERS AND CHEMISTS

2244 BROADWAY

NEW TELEPHONE 303 - 294-0218 DENVER, COLORADO 80201

March 9, 1984

REPORT ON DETERMINATIONS MADE FOR—

Mr. R. M. Compton
P. O. Box 522
Pearce, Arizona 85625

SAMPLE MARKS	METALS	Amount per Ton Ozs.	Amount per Ton Hds.	PER CENT	Value per Ton Dollars	Value per Ton Cents
IDENTIFICATION REPORT This sample is the white crystalline Calcite (calcium carbonate). It can be used for nearly all commercial Limestone applications.						

Kirkham Lime deposit

GOLD AT_____PER OUNCE SILVER AT_____PER OUNCE

LEAD AT_____PER UNIT COPPER AT_____PER UNIT

THE COLORADO ASSAYING COMPANY

By Ed Phillips Jr.

phelps dodge Corporation Western Exploration Office, Drawer 1217, Douglas, AZ 85607 • (602) 364-8414

March 22, 1978

Mr. Donald Hearn, Sr.
P. O. Box 658
Benson, Arizona 85607

Dear Mr. Hearn:

Enclosed is a copy of the assay results on the samples that you brought to Douglas.

Samples 1, 2, and 3 have enough gold to possibly be of interest as converter flux at the smelter. However, this is not our responsibility and you would have to pursue this with the Douglas Reduction Works. My guess is that they would only be interested if you could deliver the quartz ore in large lots, probably about 100 tons.

Very truly yours,

W. J. Walker
Senior Staff Geologist

WJW: s

Enclosure

cc: RWL/AMH To Note

This is letter Don got When he still had Claims

300 Park Avenue, New York, NY 10022 • (212) 751-3200

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

R.M. Compton
Box 522
Pearce, AZ 85625

Date: 3/14/85

Sample: Rnbw, Granite Dike #1

	Pct.	Lb/Ton
Aluminum	7.3%	146
Antimony*		
Barium	.005%	.1
Beryllium		
Bismuth		
Cadmium		
Calcium	2.3%	46
Cesium		
Chromium		
Cobalt		
Columbium		
Copper		
Fluorine		
Gallium		
Gold*		
Hafnium		
Indium		
Iridium		
Iron	1.6%	32
Lead		
Lithium		
Magnesium	.1%	2
Manganese		
Mercury		
Molybdenum	.002%	.04
Nickel		
Paladium		
Platinum*		
Potassium	.04%	.8
Rhenium		
Rhodium		
Rubidium		
Ruthenium		
Scandium		
Silver*		
Sodium	1.1%	22
Strontium		
Tantalum		
Tellurium		
Thallium		

	Pct.	Lb/Ton
Thorium		
Tin		
Titanium	.02%	.4
Tungsten		
Uranium(e)		
Vanadium		
Zinc		
Zirconium		
RARE EARTH ELEMENTS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Silica, Gases, Water, Nondetectables, Remaining Contents, Percent: 87.5
tr=trace; r=radioactive; *=separate test advisable; c=possible commercial grade. All values are approximate, not exact, excludes losses & costs. (e)=U3O8 equivalent. x=further tests of sample or area suggested.
Ultraviolet Fluorescence: SW___ LW___
Approx. Specific Gravity:_____
Other data:_____

Assayer: P. Reed

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Ave.
Costa Mesa, CA 92627

CERTIFICATE OF ANALYSIS

DATE: 9/15/84

R.M. Compton

SAMPLE NUMBER	SAMPLE WEIGHT	GOLD OZ/TON	GOLD	SILVER OZ/TON	SILVER
Rainbow #24	.25 Kg.	.02	$6.80/ton	2.79	$20.23/ton

ASSAYER: P. Reed

Au @$340/oz
Ag @$7.25/oz

TEST METHOD: Fire Assay
OZ/TON: Troy oz. Per 2,000 lbs of Sample
SAMPLE WEIGHT: Weight of Submitted Sample

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Ave.
Costa Mesa, CA 92627

CERTIFICATE OF ANALYSIS

DATE: 9/26/84

R.M. Compton

SAMPLE NUMBER	SAMPLE WEIGHT	GOLD OZ/TON	GOLD	SILVER OZ/TON	SILVER
#1 Rainbow #2 claim	0.14 Kg.	0.04	$14.00/ton	0.19	$1.48/ton

ASSAYER: P. Reed

Au @$350/oz
Ag @$7.80/oz

TEST METHOD: Fire Assay
OZ/TON: Troy oz. Per 2,000 lbs of Sample
SAMPLE WEIGHT: Weight of Submitted Sample

OUR MOTTO: — WHAT THERE IS IN IT, NO MORE NO LESS.

EDMUND E. PHILLIPS, Vice-Pres.—Gen. Mgr. M. E. PHILLIPS, Secretary

THE COLORADO ASSAYING COMPANY

(INCORPORATED)

ASSAYERS AND CHEMISTS

303—623-2842 2244 BROADWAY

DENVER, COLO. 80201 December 20, 1982

SAMPLE SUBMITTED BY

Mr. R. M. Compton
P. O. Box 522
Pearce, Arizona 85625

SPECTROGRAPHIC ANALYSIS

SAMPLE NO. Rainbow #12

PERCENTAGES ARE APPROXIMATE

Antimony		Nickel	.02	Holmium	
Arsenic	.001-.01 %	Potassium	.3-.5	Lanthanum	
Aluminum	2.	Radium		Lutecium	
Boron		Rubidium		Neodymium	
Barium	.003	Rhenium		Praseodymium	
Beryllium	.005-.01	Scandium		Samarium	
Bismuth	.05-.10	Silicon	Major	Terbium	
Calcium	.3	Strontium		Thulium	
Columbium		Sodium	.05	Yttrium	.002
Cadmium		Tantalum		Ytterbium	
Cobalt		Thallium			
Chromium	trace	Thorium	none	Platinum	
Cesium		Tin	.01-.02	Palladium	
Copper	.05-.1	Titanium	.05	Iridium	
Gallium		Tungsten		Osmium	
Germanium		Uranium	none	Rhodium	
Hafnium		Vanadium	.005-.01	Ruthenium	
Indium		Zinc	.015		
Iron	6.-8.	Zirconium	trace	Gold	Trace, no value
Lead	.005			Silver	.20 oz/ton, $2.00/ton
Lithium		Cerium			
Magnesium	.2-.3	Dysprosium			
Manganese	.07	Erbium			
Mercury		Europium			
Molybdenum	.003-.005	Gadolinium			

REMARKS:

This sample consists of hard white Quartz (silica), flake Mica (potassium, magnesium, iron, aluminum silicate) and the brown Limonite (hydrous iron oxide).

There are no metals present in sufficient quantity and purity to be of commercial value.

This sample taken on #15 Vein
Must check on this Vein further

THE COLORADO ASSAYING COMPANY

By Ed Phillips

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

R.M. Compton
Box 522
Pearce, AZ 85625

Date: 5/8/85

Sample: RNBW Lower Shaft #2

	Pct.	Lb/Ton
Aluminum	7.9%	158
Antimony*		
Barium	1.1%	22
Beryllium		
Bismuth		
Cadmium		
Calcium	1.9%	38
Cesium		
Chromium		
Cobalt		
Columbium		
Copper		
Fluorine		
Gallium		
Gold*		
Hafnium		
Indium		
Iridium		
Iron	4.9%	98
Lead		
Lithium		
Magnesium	1.9%	38
Manganese		
Mercury		
Molybdenum	.02%	.4
Nickel		
Paladium		
Platinum*		
Potassium	2.6%	52
Rhenium		
Rhodium		
Rubidium		
Ruthenium		
Scandium		
Silver*		
Sodium	1.6%	32
Strontium	.01%	.2
Tantalum		
Tellurium		
Thallium		

	Pct.	Lb/Ton
Thorium		
Tin		
Titanium	.5%	10
Tungsten		
Uranium(e)		
Vanadium	tr	
Zinc		
Zirconium		
RARE EARTH ELEMENTS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Silica, Gases, Water, Nondetectables, Remaining Contents, Percent: 77.5

tr=trace; r=radioactive; *=separate test advisable; c=possible commercial grade. All values are approximate, not exact, excludes losses & costs. (e)=U3O8 equivalent. x=further tests of sample or area suggested.

Ultraviolet Fluorescence: SW___ LW___

Approx. Specific Gravity:_____

Other data:_____

Assayer: P. Reed

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

R.M. Compton
P.O. Box 522
Pearce, AZ 85625

Date: 9/26/84

Sample: #1, Rainbow #2 Claim.

	Pct.	Lb/Ton
Aluminum	7.7%	154
Antimony*		
Barium	.6%	12
Beryllium		
Bismuth		
Cadmium		
Calcium	1.4%	28
Cesium		
Chromium	.002%	.04
Cobalt		
Columbium		
Copper	tr	
Fluorine		
Gallium		
Gold*		
Hafnium		
Indium		
Iridium		
Iron	1.8%	36
Lead		
Lithium		
Magnesium	.3%	6
Manganese		
Mercury		
Molybdenum	.001%	.02
Nickel		
Paladium		
Platinum*		
Potassium	2.4%	48
Rhenium		
Rhodium		
Rubidium		
Ruthenium		
Scandium		
Silver*		
Sodium	1.9%	38
Strontium	.003%	.06
Tantalum		
Tellurium		
Thallium		

	Pct.	Lb/Ton
Thorium		
Tin		
Titanium	.5%	10
Tungsten		
Uranium(e)		
Vanadium		
Zinc		
Zirconium		
RARE EARTH ELEMENTS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Silica, Gases, Water, Nondetectables, Remaining Contents, Percent: 83.3
tr=trace; r=radioactive; *=separate test advisable; c=possible commercial grade. All values are approximate, not exact, excludes losses & costs. (e)=U3O8 equivalent. x=further tests of sample or area suggested.
Ultraviolet Fluorescence: SW -- LW --
Approx. Specific Gravity: N/A
Other data: Beryllium not present in sample.

Assayer: P. Reed

REED ENGINEERING
ASSAYERS & REFINERS
2166 College Avenue
Costa Mesa, CA 92627
714/646-3782

CERTIFICATE OF ANALYSIS

SEMI-QUANTITATIVE SPECTROGRAPHIC

Date: 10/15/84

R.M. Compton

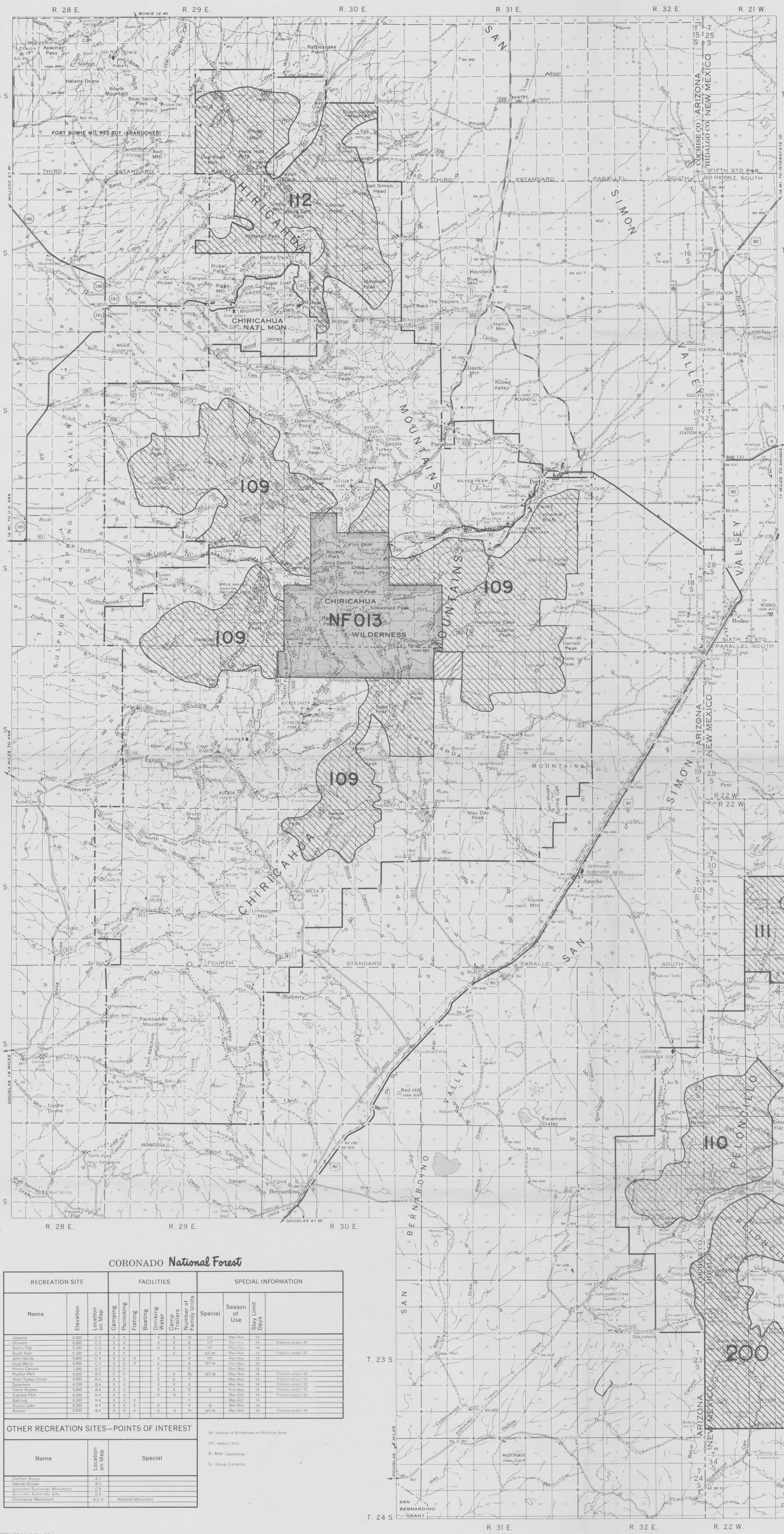
Sample: RNBW 25 E

	Pct.	Lb/Ton
Aluminum	2.1%	42
Antimony*		
Barium	.005%	.1
Beryllium		
Bismuth		
Cadmium		
Calcium	1.9%	38
Cesium		
Chromium	.2%	4
Cobalt		
Columbium		
Copper		
Fluorine		
Gallium		
Gold*		
Hafnium		
Indium		
Iridium		
Iron	2.5%	50
Lead		
Lithium		
Magnesium	1.7%	34
Manganese		
Mercury		
Molybdenum	.002%	.04
Nickel		
Paladium		
Platinum*		
Potassium	.03%	.6
Rhenium		
Rhodium		
Rubidium		
Ruthenium		
Scandium		
Silver*		
Sodium	1.1%	22
Strontium	tr	
Tantalum		
Tellurium		
Thallium		

	Pct.	Lb/Ton
Thorium		
Tin		
Titanium	.2%	4
Tungsten		
Uranium(e)		
Vanadium		
Zinc		
Zirconium		
RARE EARTH ELEMENTS		
Cerium		
Dysprosium		
Erbium		
Europium		
Gadolinium		
Holmium		
Lanthanum		
Neodymium		
Lutecium		
Praseodymium		
Samarium		
Terbium		
Thulium		
Ytterbium		
Yttrium		

Silica, Gases, Water, Nondetectables, Remaining Contents, Percent: 90.2
tr=trace; r=radioactive; *=separate test advisable; c=possible commercial grade. All values are approximate, not exact, excludes losses & costs. (e)=U3O8 equivalent. x=further tests of sample or area suggested.
Ultraviolet Fluorescence: SW -- LW --
Approx. Specific Gravity: N/A
Other data: Rock name unknown without additional tests.

Assayer: P. Reed



U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
JOHN R. McGUIRE, CHIEF

CORONADO NATIONAL FOREST

(CHIRICAHUA-PELONCILLO MTS)

ARIZONA AND NEW MEXICO

GILA AND SALT RIVER MERIDIAN
NEW MEXICO PRINCIPAL MERIDIAN
1975

Scale
½ Inch = 1 Mile

LEGEND

- National Forest Boundary
- State Boundary
- County Boundary
- Reservation Boundary
- Wilderness and Primitive Area Boundary
- National Forest Land
- State Lands
- B.L.M. Lands
- National Monument
- U.S. Highway
- State Highway
- Forest Route
- Forest Trail
- Paved Road
- All Weather Road } Make Local Inquiry
- Dirt Road } Make Local Inquiry
- Primitive Road } Make Local Inquiry
- Trail
- Railroad
- Power Transmission Line
- District Ranger Station
- Forest Service Station
- Permanent Lookout Station } Report Fires Here
- Permanent Lookout and Horizontal Control Station } Report Fires Here
- Horizontal Control Station
- U.S. Location Monument
- Located or Landmark Object
- Boundary Monument
- House, Cabin or other Building
- School
- Church
- Stock Tank
- Tank
- Windmill
- Mine, Quarry or Gravel Pit
- Recreation Site
- Recreation Site other than Forest
- Point of Interest
- Intermittent Stream
- Live Stream

Forest Supervisors Headquarters, Tuscon, Arizona
District Ranger Station, Douglas, Arizona

TOWNSHIP AND SECTION LINE CLASSIFICATION

- Surveyed, location reliable
- Surveyed, location unreliable
- Unsurveyed, protraction by B.L.M.

Note: All Forest route numbers shown on this map are prefixed by "5" on official records dated 1975

KEY MAP

ROADLESS AND UNDEVELOPED AREAS INVENTORY RARE II

SOUTHWESTERN REGION
USDA - Forest Service
September 1977

- Existing wilderness and primitive areas.
- Roadless and undeveloped areas
- Congressionally-designated study areas and Administration endorsed wilderness proposals.
- Areas suggested for addition by the public.

Date Sept 1977 Author Liz Skinner

CORONADO National Forest

RECREATION SITE			FACILITIES							SPECIAL INFORMATION			
Name	Elevation	Location on Map	Camping	Picnicking	Fishing	Boating	Drinking Water	Camp Trailers	Number of Family Units	Special	Season of Use	Stay Limit Days	
Idlewild	5,000	C 3	X	X			X	X	10	NT	Mar-Nov	14	
Steward	5,000	C 3	X	X			X	X	6	NT	Mar-Nov	14	Trailers under 16'
Sunny Flat	5,200	C 3	X	X			X	X	4	NT	May-Oct	14	
South Fork	5,300	C 4	X	X				X	4	NT-W	Mar-Nov	14	Trailers under 16'
John Hands	5,600	C 4	X	X	X		X		6	NT	Apr-Nov	14	
Herb Martyr	5,800	C 4	X	X	X		X		8	NT-W	Apr-Nov	14	
Pinery Canyon	7,000	B 3	X	X			X		5		May-Nov	14	
Rustler Park	8,500	B 3	X	X			X	X	25	NT-W	May-Nov	14	Trailers under 16'
West Turkey Creek	5,900	B 4	X	X			X	X	7		Mar-Nov	14	Trailers under 16'
Sycamore	6,200	B 4	X	X			X	X	5		Mar-Nov	14	Trailers under 16'
Camp Rucker	5,600	B 4	X	X			X	X	12	G	Feb-Nov	14	Trailers under 16'
Cypress Park	6,000	B 4	X	X			X	X	7		Mar-Oct	14	Trailers under 16'
Bathtub	6,300	B 4	X	X	X				11		Mar-Oct	14	
Rucker Lake	6,300	B 4	X	X	X		X		8	G	Mar-Nov	14	
Rucker	6,500	B 4	X	X	X		X	X	14	NT-W	Mar-Nov	14	Trailers under 16'

OTHER RECREATION SITES—POINTS OF INTEREST

Name	Location on Map	Special
Old Fort Bowie	A 1	
Natural Bridge	B 2	
Geronimo Surrender Monument	C 5	
Geronimo Surrender Site	D 6	
Chiricahua Monument	B 2-3	National Monument

W—Access to Wilderness or Primitive Area
NT—Nature Trail
B—Boat Launching
G—Group Camping

FOREST SERVICE MAP CLASS A

Compiled and drafted at Regional Office, Albuquerque, New Mexico, from U.S. Forest Service Planimetric maps.
Revised 1975

Polyconic projection
1927 North American datum

Longitude West from Greenwich

To: File

From: D.J. Wronkiewicz

Subject: Report on Generative Exploration Cochise County, Arizona, 3/3/83-3/10/83 and 4/7/83-4/15/83

INTRODUCTION

This report is a summary of exploration work performed in Cochise County, Arizona during the spring months of 1983. A total of 28 man days were spent in various areas described below. Generative exploration work was undertaken by myself during the period of 3/3/83 through 3/6/83, and M. W. Selke and myself during the period of 3/7/83 through 3/10/83. Follow-up sampling and additional exploration was done by W. S. Dubyk and myself during the period of 4/7/83 through 4/15/83.

CONCLUSIONS AND RECOMMENDATIONS

A number of possible economic targets were identified by initial exploration work in Cochise County. The South Pass area of the Dragoon Mountains appears to be the most economically viable property located during prospecting work. Other areas of interest include the Carr Canyon prospect of the Huachuca Mountains, the Swisshelm Mountain district, and the Silver Strike area of the Dos Cabezas Mountains.

SOUTH PASS. The South Pass area of the Dragoon Mountains is located approximately 11.5 miles east of Tombstone, Arizona. Au-Ag-Cu-Pb-Zn mineralization was identified in steeply dipping hydrothermal quartz veins overlying large scale regional thrust faults, and within localized shear zones in Precambrian quartz-mica schists (Figure 2). Hydrothermal alteration and anomalous precious and base metal values were noted along the thrust contact. A similar geologic structure exists in the Barrett Camp, 1.5 miles to the northeast; however, no precious metal values were noted here. The thrust fault plane appears as the most likely target for mineralization, with the upper thrust plane of Jurassic quartz monzonite being the most intensely mineralized formation at the surface. The quartz veins are spatially associated with the thrust contact and appear to be structurally controlled as to their location, either from stresses associated with the thrust fault, or from stresses resulting from the buildup of hydrothermal fluids below. Although these quartz veins are too small to be of interest in themselves, they may act as guides to areas of mineralization in the thrust fault below. The mineralized areas located within the Precambrian quartz-mica

schists contain a complex and poorly understood geologic history. Explanations for their existence are fissuring related to regional thrust faulting, Precambrian exhalative origins, or association with nearby lamprophyre intrusive dikes.

The South Pass area is unclaimed and virtually untested except for a few old prospects. The surface is patented and owned by the local Z-J Ranch, with all mineral rights retained by the federal government. It is my recommendation that NICOR should locate approximately 40 unpatented lode claims to cover the area of interest, as well as obtain the interest in the state owned southern half of section 14.

South Pass List of Samples (See fig.1 for localities)

Sample #	Au ppm	Ag ppm	Pb ppm	Cu ppm	Zn ppm	Comments
G599	.15	<.2	50	5	10	semi-rep dump
G600	.15	<.2	30	5	10	rep dump
G601	.27	.4	35	10	5	select float
G602	6.30 (.184)	24.0	1.6%	280	130	semi-rep dump
G603	<.02	1.3	1550	30	40	rep float
G604	<.02	11.0	155	1.3%	345	semi-rep dump
G648	.10	1.1	45	135	60	rep dump
G649	.04	.6	210	35	90	rep dump
G650	.78	2.0	1300	35	55	5ft chip
G651	<.02	1.6	170	5	65	3.5ft chip
G652	.19	1.2	370	820	105	rep dump
G653	.05	2.3	400	840	180	11ft chip
G654	4.00 (.117)	4.4	1450	195	130	4ft chip
G655	2.40 (.070)	.8	380	125	200	11ft chip
G656	.44	.6	155	20	50	7.75ft chip
G657	<.02	<.2	15	50	260	4ft chip
G658	.03	.8	140	290	315	5ft chip
G659	3.80 (.111)	10.0	235	425	300	rep grab-ore pile
G660	5.20 (.152)	30.0	160	1.2%	1.9%	rep dump

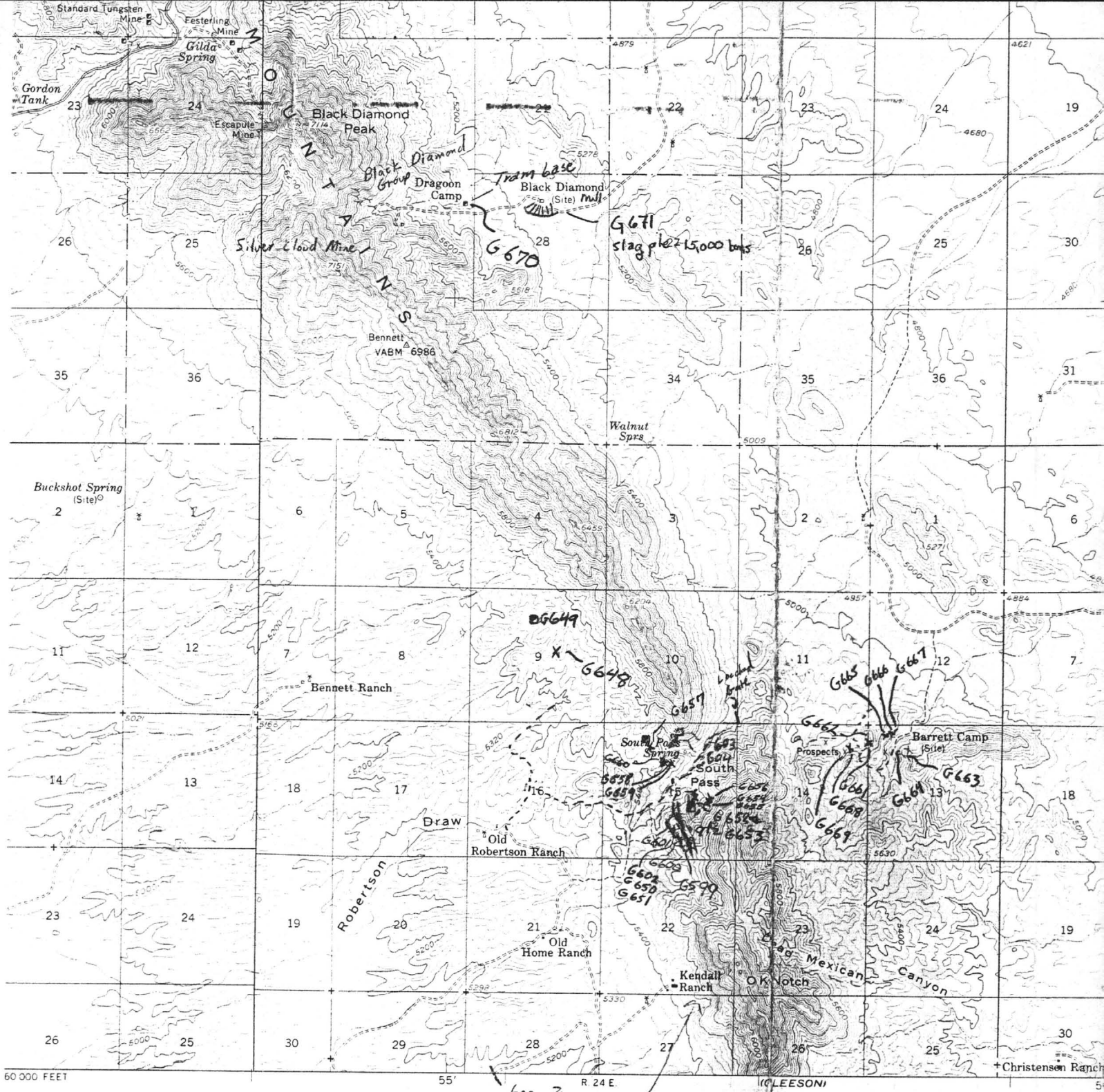
Barrett Camp List of Samples

Sample #	Au ppm	Ag ppm	Pb ppm	Cu ppm	Zn ppm	Comments
G661	<.02	1.8	105	290	50	Semi-rep dump
G662	.05	1.5	35	350	475	rep of quartz
G663	.03	.6	75	2.2%	2700	rep dump
G664	<.02	<.2	15	85	45	rep dump
G665	<.02	.4	135	5200	2600	12ft chip
G666	.05	.4	240	6500	1.0%	rep dump
G667	<.02	.2	165	1750	560	20ft chip
G668	.07	.6	65	90	95	25ft chip
G669	.03	11.0	<5	6100	85	rep dump

HUACHUCA MOUNTAINS. A number of precious/base metal bearing quartz veins were examined in the Huachuca Mountains of Cochise County. Most of these prospects are of too small size or too low grade to be of interest to NICOR. The Carr Canyon (reef) prospect is located 10 miles south of Fort Huachuca, Arizona. Mineralization consists of thin streaks of Au-Ag-Pb-WO3 mineralization in shallow dipping quartz veins located at the base of the Cambrian aged Abrigo Limestone. Au-Ag values of .545 and 6.42 oz/ton, respectively, were obtained from a 3.5 foot chip across a portion of one of the veins. The property is currently held by Energy Reserves Group, but their efforts to explore and develop it have been thwarted by the local Forest Service. The Carr Canyon Prospect may be of interest to NICOR in the event of ERG losing interest in their property.

Huachuca Mountains List of Samples

Sample #	Au ppm	Ag ppm	Pb ppm	W ppm	Comments
G679	.25	1.2	370	250	6ft chip Carr Canyon
G680	18.66 (.545)	220.0 (6.42)	4300	44	3.5ft chip Carr Canyon
G647	<.02	11.0	2700	38	rep dump Baumkirscher Mine
G674	1.80 (.053)	3.2	410	6	Semi-rep dump Wakefield Adit
G675	<.02	<.2	65	<2	altered wr Wakefield Adit
G676	5.10 (.149)	230.0 (6.71)	105	1500	semi-rep dump Harper Mine
G677	.77	340.0 (9.98)	<5	110	1ft quartz vein rep dump of quartz Copper Glance Mine
G678	.03	7.8	<5	8	1.5ft quartz vein rep dump of alt wr Copper Glance Mine



e Geological Survey

R-55 plotter
heck 1958

ican datum
nate system, east zone
or grid ticks,

.–R. 24 E.

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Figure 1

EMIGRANT HILLS. Pyritic and sericitic alteration, as well as aeromagnetic, induced polarization, and mercury vapor anomalies (Eaton, USGS Prof. Paper 700A) indicated this region as a possible desseminated copper deposit. Five samples were taken in an effort to identify any anomalous precious metal values. None were found and no further work is anticipated on this prospect.

Emigrant Hills List of Samples (see fig. 3 for localities)

Sample #	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
G609	<.01	.40	87	6	1
G610	<.01	.05	43	2	1
G611	.06	.16	133	8	1
G612	.01	.10	58	8	1
G613	.01	.10	56	3	41

DOS CABEZAS. A moderately dipping quartz vein located within steeply dipping carbonacious mid-Paleozoic sediments and silicified Cambrian-Precambrian sediments was examined in the Dos Cabezas Mountains. The structure was traceable for a strike length of over 9000 feet. Anomalous Au values were obtained, but the spotty nature of its occurrence and the discontinuous nature of the vein renders this prospect unattractive at the present time.

Dos Cabezas List of Samples (see fig.4 for localities)

Sample #	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Comments
G605	.65	75.0	30	7400	2300	rep dump quartz
G606	.07	22.0	445	9100	2700	rep dump quartz
G607	<.02	.2	25	85	70	15ft chip rhy dike
G693	<.01	1.3	25	42	150	1.5ft chip amph dike
G694	<.01	2.1	18	78	230	rep argillic ls
G695	<.01	4.1	32	872	1080	rep dump alt ls
G696	<.01	.25	70	65	45	15ft chip rhy dike
G697	.03	2.7	48	196	55	rep dump qtz

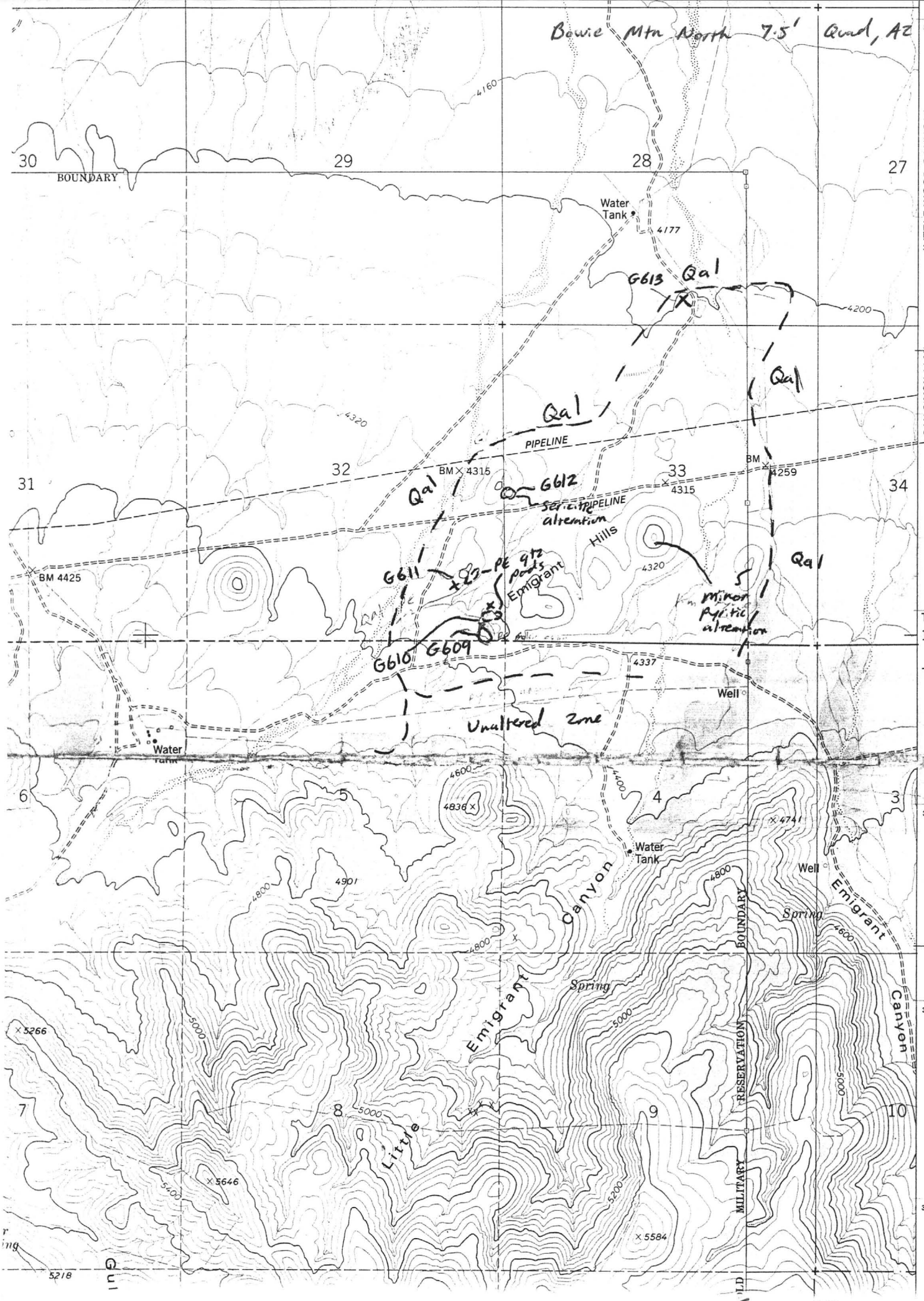

Bowie Mtn North 7.5' Quad, AZ
(LITTLE WOOD CANYON)
4148 III NE
SAN SIMON 14 MI.
T 14 S
10'
T 15 S
3563
3559
3558
3557
30
29
28
27
31
32
33
34
6
5
4
3
7
8
9
10
BOUNDARY
Water Tank
4177
4160
4200
4320
PIPELINE
BM 4315
BM 4259
4315
BM 4425
4337
Well
Water Tank
4600
4836
4741
4901
4800
4400
5000
5266
5646
5400
5200
5584
5218
Emigrant Canyon
Little Emigrant Canyon
Spring
RESERVATION BOUNDARY
MILITARY
G613
Qal
G612
sericitic alteration
Hills
G611
Pt 972 peaks
Emigrant
minor pyritic alteration
G610
G609
Unaltered zone

Figure #3

Dos Cabezas List of Samples (see fig.4 for localities) (cont)

Sample #	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Comments
G698	8.4 (2.45)	159.0 (4.64)	1120	2730	300	rep dump qtz
G699	.26	7.0	90	542	260	11ft chip qtz
G700	.09	5.7	71	70	330	30ft chip PC meta sed
G701	.11	2.2	48	40	70	rep sil qtzite
G702	2.1 (.061)	103.0 (3.01)	265	6800	5200	3ft chip qtz
G703	<.01	2.0	18	197	500	rep dump dol ls
G704	.02	1.4	14	22	220	4ft chip argillic ls
G705	.03	1.6	175	93	170	4ft chip sil argillic ls
G706	<.01	3.1	18	592	450	rep meta dol
G707	<.01	.55	54	67	32	6.5ft chip quartz
G708	<.01	.35	53	83	70	19ft chip qtz
G709	.10	17.0	850	1.4%	1.3%	rep dump qtz
G710	.01	.20	38	26	30	6.5ft chip quartz
G725	.17	37.0	680	1.4%	2.2%	rep dump qtz
G726	.01	.90	62	49	40	6.5ft chip sil qtzite
G727	.03	9.6	70	37	80	5ft chip siltstone
G728	.04	20.0	210	306	380	5ft chip qtz vein
G729	.03	4.5	650	4250	1420	rep dump qtz

SWISSHELM MOUNTAINS. The Swisshelm Mountain district is located approximately 25 miles north of Douglass, Arizona. Au-Ag bearing, jasparoidal Paleozoic limestones were sampled in detail to determine the extent of mineralization. Results show the precious metal values to be irregular, and the size of the deposit to be to small to warrent interest for NICOR. The entire district is currently under claim by Freeport Minerals, General Minerals of America, and MPM Mining and Exploration. A similar geologic environment exists four to five miles S-SW (See fig. 5), where limited sampling has so far failed to turn up any significant mineralization. Additional sampling is highly suggested for this area.

Figure #4

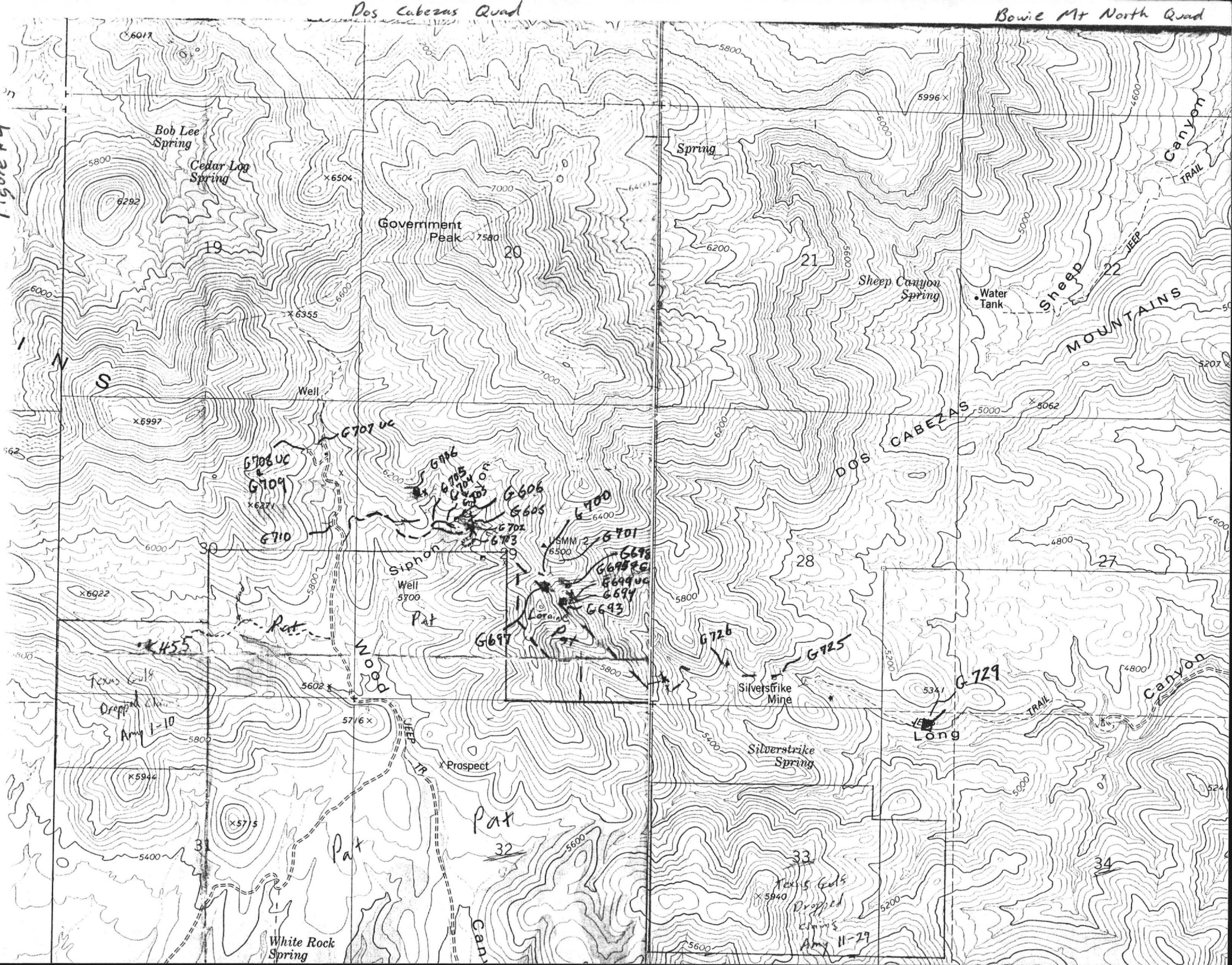
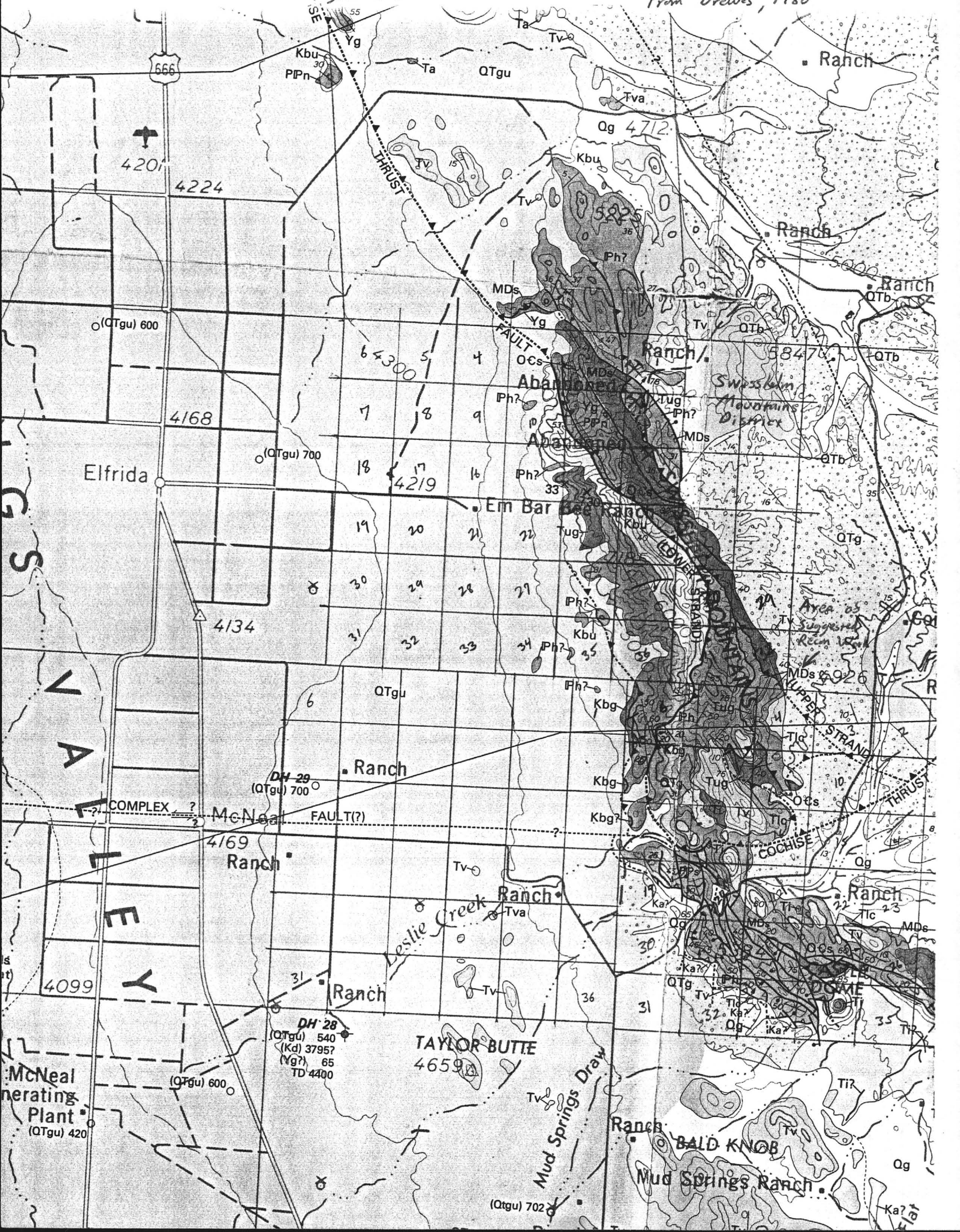

Dos Cabezas Quad
Bowie Mt North Quad
Bob Lee Spring
Cedar Log Spring
Government Peak
Spring
Sheep Canyon Spring
Water Tank
Sheep Canyon
TRAIL
JEEP
DOS CABEZAS MOUNTAINS
Well
Siphon
Pat
Wood
Rat
Silverstrike Mine
Silverstrike Spring
Long
Prospect
White Rock Spring
Texas Gulf Dropped Claims Amy 1-10
Texas Gulf Dropped Claims Amy 11-29
G707 UC
G708 UC
G709
G710
G706
G705
G704 UC
G703
G702
G701
G700
G698
G697
G696
G695 UC
G694 UC
G694
G693
G726
G725
G729
N
S

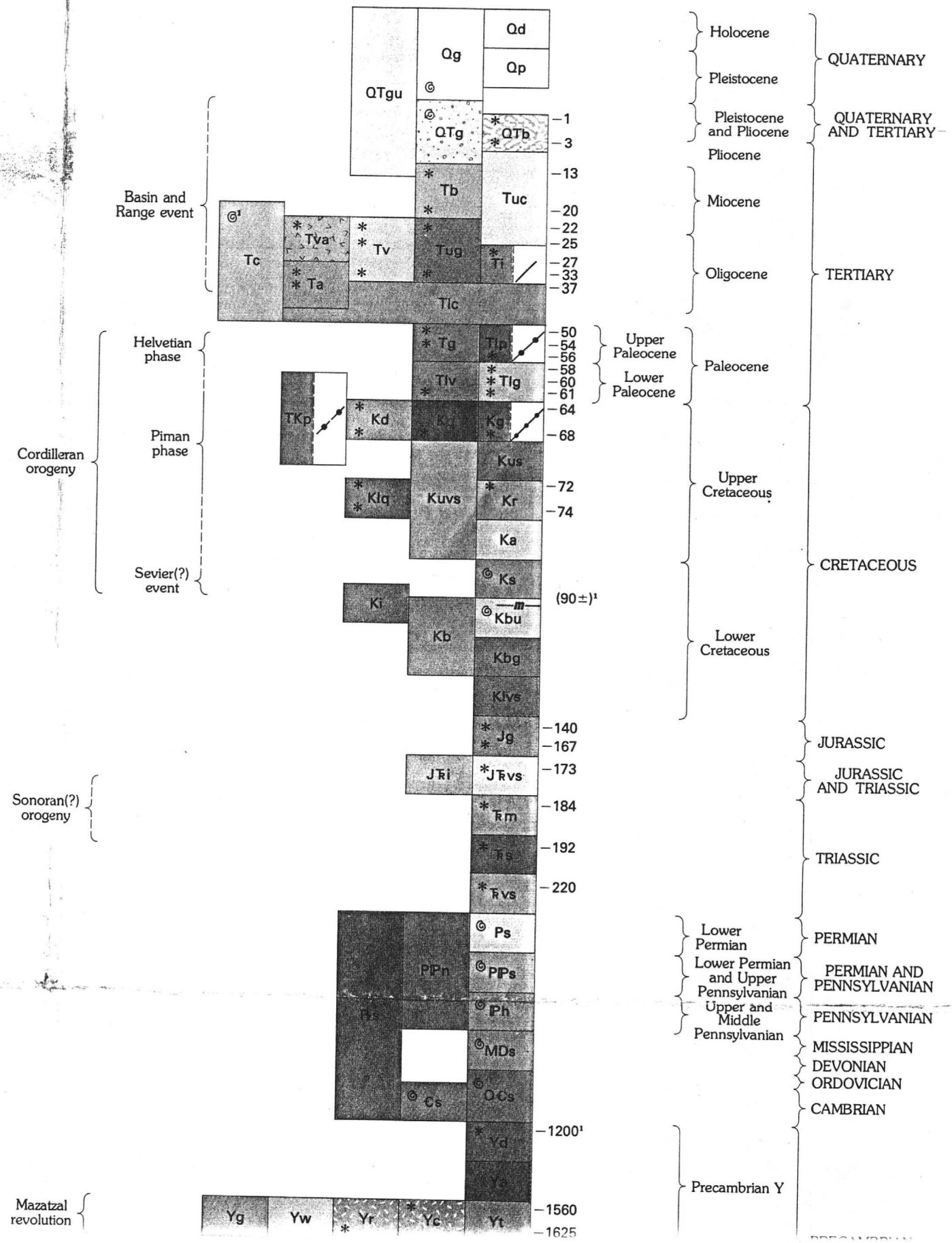
Figure #6

From Drewes, 1980



Key to Figure #6

CORRELATION OF MAP UNITS



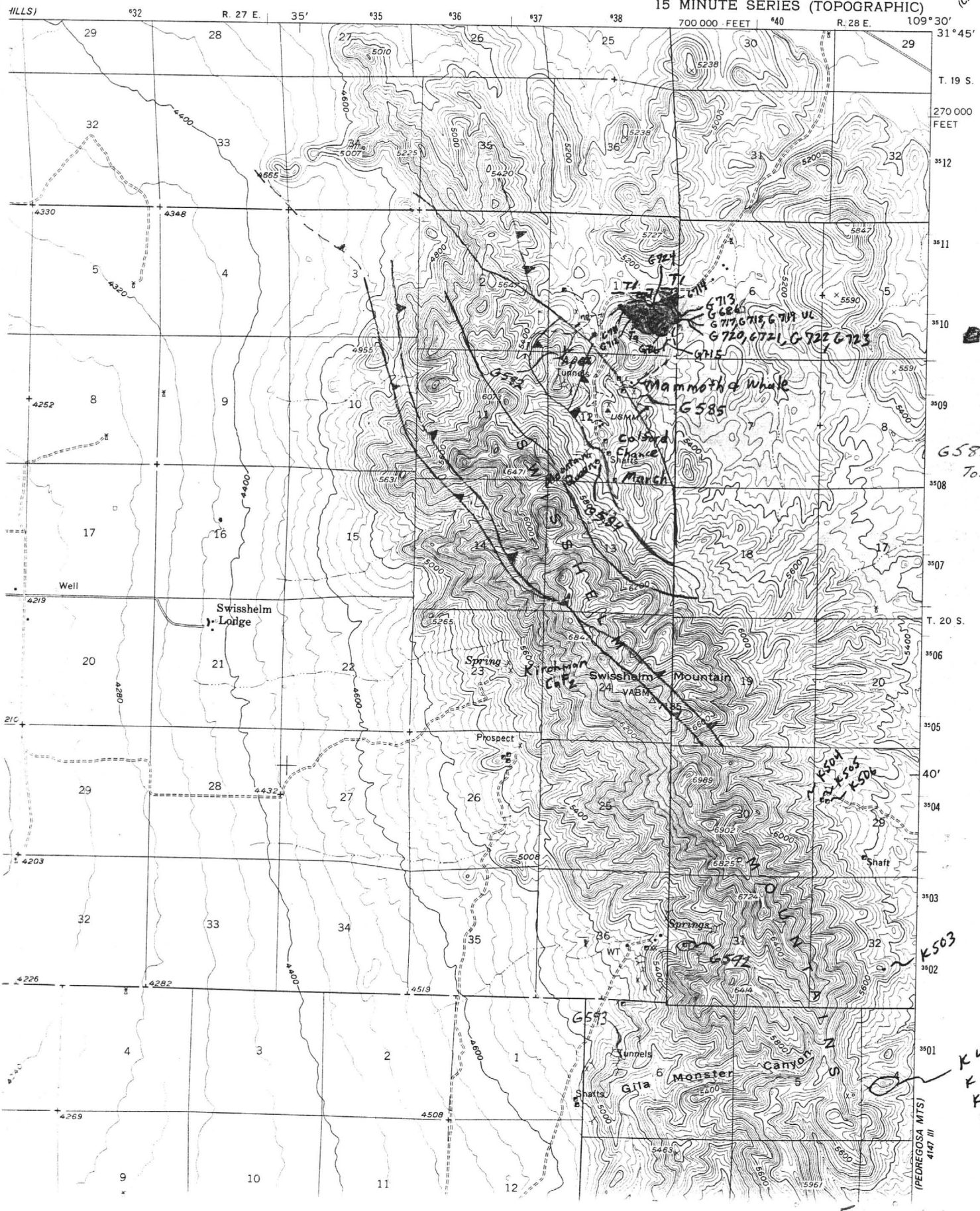

SWISSHELM MTN. QUADRANGLE
ARIZONA—COCHISE CO.
15 MINUTE SERIES (TOPOGRAPHIC)
4147 IV (CHIRICAHUA PEAK)
R. 27 E.
R. 28 E.
700 000 FEET
109°30'
31°45'
T. 19 S.
T. 20 S.
270 000 FEET
Swisshelm Lodge
Well
Spring
Kirchman Cafe
Swisshelm Mountain
VABM
Prospect
Shaft
Springs
WT
Tunnels
Shafts
Gila Monster Canyon
Mammoth & Whale
G585
Colford
Chance
March
Jalpen
G583 - 206
Tomb stone
K503
K499
K500
K501
K502
(PEDREGOSA MTS)
4147 III

Figure #6

Swisshelm Mountains List of Samples (See fig. 6 for localities)

Sample #	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Comments
G584	1.1	110.0	1250	7600	1000	semi-rep dump
	(.032)	(3.21)				
G585	.73	46.0	700	4.8%	2.0%	semi-rep dump
		(1.34)				
G586	1.8	530.0	45	870	4000	rep dump
	(.053)	(15.47)				
G592	<.02	.4	15	475	40	rep dump
G593	.07	.4	15	10	25	select dump
G711	.01	.10				30ft chip
G712	<.01	2.2				rep dump
G713	1.3	82.0				rep mill tail
	(.038)	(2.39)				
G714	.01	.55				composite 6ft & 8ft chip
G715	.03	.35				rep float
G716	.01	.60				rep float
G717	2.6	24.0				50ft chip underground⧖
	(.076)					
G718	.32	14.0				55ft chip underground
G719	1.9	57.0				8ft chip
	(.055)	(1.66)				
G720	.65	15.0				15ft chip
G721	.02	.90				11ft chip
G722	.01	.85				14ft chip
G723	.06	2.6				22ft chip
G724	.31	12.0				7.5ft chip
K499	<.02	.2				jasp ls
K500	<.02	.4				jasp ls
K501	<.02	<.2				brecciated & alt andesite
K502	.12	<.2				brecciated & alt andesite
K503	<.02	<.2				alt qtzite
K504	.06	.6				15ft chip alt ls
K505	<.02	2.1				8ft chip alt ls
K506	5.0	65.0				rep ore pile
	(.146)	(1.90)				

ASH SPRINGS (DOUGLASS). An area of pyritic and argillic alteration in Cenozoic aged limestones, located six miles east of Douglass, Arizona, was examined in an effort to locate precious

metal deposition. Sampling results show that the property does not warrant any further investigation.

Ash Springs List of Samples

Sample #	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Comments
G588	<.02	.4	10	45	100	rep drill cuttings
G589	.08	1.6	3.1%	245	145	rep ore pile
G590	<.02	<.2	65	30	55	rep dump
G591	<.02	2.2	110	275	185	rep dump

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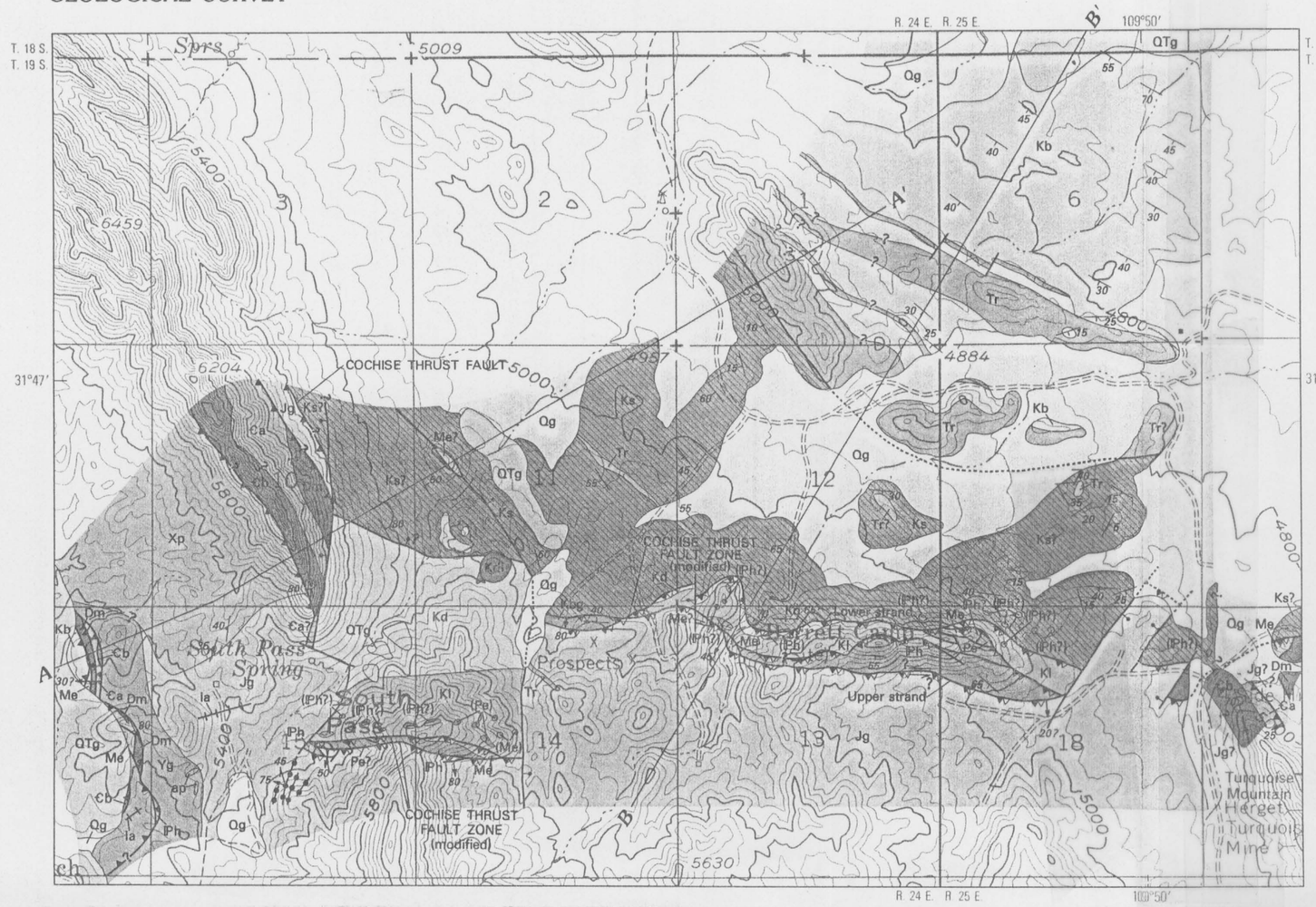
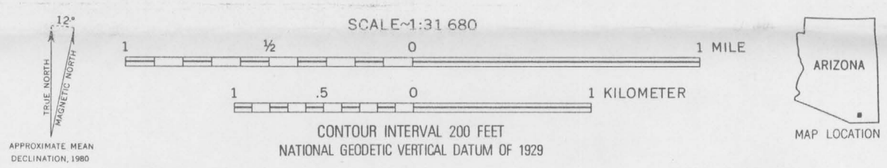
Drewes, H. D., 1980, Tectonic Map of Southeast Arizona: USGS Miscellaneous Investigations Series, Map I-1109.

Drewes, H. D., 1981, Tectonics of Southeastern Arizona: USGS Prof. Paper 1144. 96p.

Keith, S. B., 1973, Index of Mining Properties in Cochise County, Arizona: Arizona Bureau of Mines Bull. 187. 97p.



Base from U.S. Geological Survey, 1:62,500
Fearce, 1958



Geology by Harald Drewes, 1972 and 1975; assisted by G. K. Lee, 1972, and C. H. Thorman, 1975

CORRELATION OF MAP UNITS

Qg	Pleistocene	QUATERNARY
QTg	Pleistocene and Pliocene	QUATERNARY AND TERTIARY
Tr		TERTIARY
Ks	Upper Cretaceous	CRETACEOUS
Kl		
Kdi		
Kd		
Kb	Lower Cretaceous	
Kbg		
Jg		JURASSIC
la		
Pe	Lower Permian	PERMIAN
IPh		PENNSYLVANIAN
Me		MISSISSIPPIAN
Dm	Upper Devonian	DEVONIAN
Ꞓa	Upper and Middle Cambrian	CAMBRIAN
Ꞓb	Middle Cambrian	
Yg	Precambrian Y	PRECAMBRIAN
ap		
la		
Xp	Precambrian X	

DESCRIPTION OF MAP UNITS

Qg GRAVEL AND SAND (PLEISTOCENE)—Alluvium along watercourses and on terraces

QTg GRAVEL (PLEISTOCENE AND PLIOCENE)—Alluvium deposited on pediments and in basins

Tr RHYOLITE (TERTIARY)—Dikes of porphyritic rhyolite

Ks SEDIMENTARY ROCKS (UPPER CRETACEOUS)—Siltstone, sandstone, and conglomerate that contain subangular pebbles and cobbles derived from sandstone and conglomerate of the Bisbee Formation, Gleeson Quartz Monzonite, and volcanic rocks

Kl LATITIC TUFF (UPPER CRETACEOUS)—Indurated, altered, and probably welded tuff. Contains large blocks of Escabrosa and Horquilla Limestones and of Epitaph Dolomite, as parenthetically marked

DACITIC ROCKS (UPPER CRETACEOUS):

Kdi Intrusive dacitic porphyry

Kd Volcanic dacite and dacite breccia

BISBEE FORMATION (LOWER CRETACEOUS):

Kb Siltstone, shale, and sandstone—Feldspathic light-reddish-gray siltstone, and dark-gray shale, 90 percent; light-brownish-gray, feldspathic, crossbedded sandstone with some lentils of small round-pebble conglomerate, 9 percent; and intercalated fine-grained limestone and limestone-nodule beds, together about 1 percent

Kbg Glance Conglomerate Member—Limestone cobble conglomerate

Jg GLEESON QUARTZ MONZONITE (JURASSIC)—Coarse-grained biotite quartz monzonite and granodiorite; radiometrically dated as 178 and 185 m.y. Includes some small bodies of granitoid rock near the Herget Turquoise Mine that Gilluly (1956) mapped as Copper Belle Monzonite Porphyry and Turquoise Granite and as older than the Gleeson Quartz Monzonite

la Lamprophyre dike

Pe EPITAPH DOLOMITE (LOWER PERMIAN)—Dark-gray, coarse-grained dolomite; occurs only as large blocks in latitic tuff, unit Kl

IPh HORQUILLA LIMESTONE (PENNSYLVANIAN)—Light-gray, fine-grained, thin-bedded, cherty limestone

Me ESCABROSA LIMESTONE (MISSISSIPPIAN)—Dark-gray, coarse-grained, thick-bedded, cherty, crinoidal limestone

Dm MARTIN FORMATION (UPPER DEVONIAN)—Limestone, brown dolomite, and sandstone

Ꞓa ABRIGO FORMATION (UPPER AND MIDDLE CAMBRIAN)—Shale, sandstone, and thin-bedded limestone

Ꞓb BOLSA QUARTZITE (MIDDLE CAMBRIAN)—Light-gray to brownish-gray, thick-bedded, coarse-grained quartzite

Yg GRANODIORITE PORPHYRY (PRECAMBRIAN Y)—Coarse-grained biotite granodiorite porphyry

ap Aplite

la Lamprophyre dike

Xp PINAL SCHIST (PRECAMBRIAN X)—Phyllite, schist, and metagraywacke

CONTACT—Dotted where concealed

NORMAL FAULT—Dotted where concealed. Bar and ball on downthrown side

30 THRUST FAULT—Showing dip. Sawteeth on upper plate

45 COMPLEX FAULT—Showing dip. Sawteeth on upper plate. Inferred to have moved first as part of a thrust fault and then as a glide fault

? FAULT ON CROSS SECTION—Arrow couple shows relative movement. Queried where basis for projection is lacking

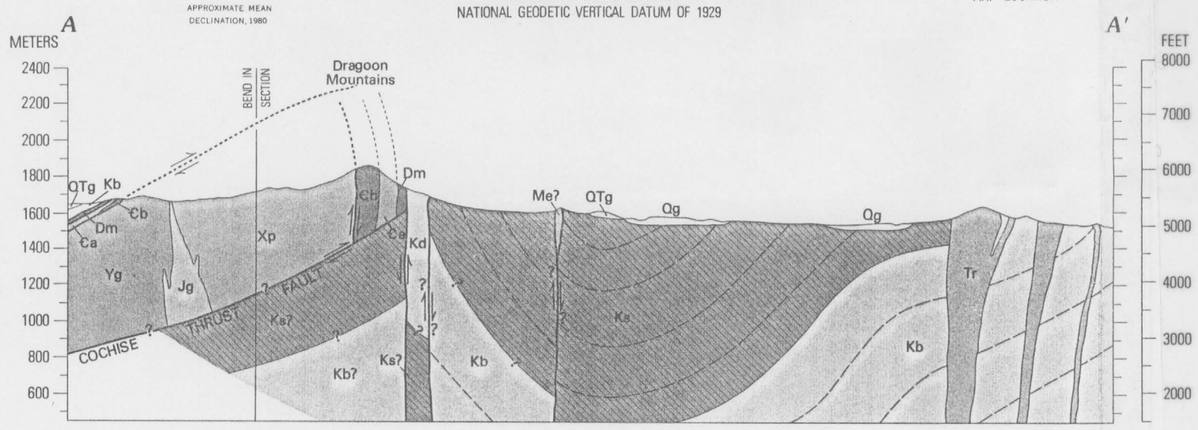
75 45 QUARTZ VEIN—Showing dip. Half-arrow shows plunge of slickensides

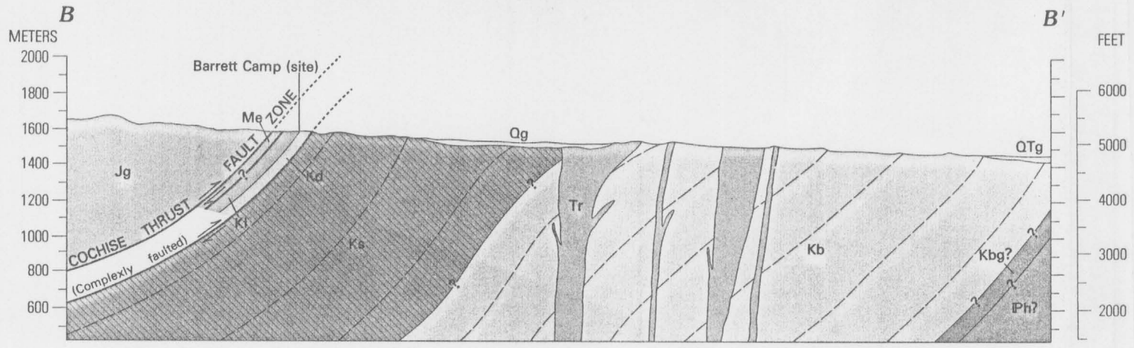
STRIKE AND DIP OF BEDS

15 Inclined

Vertical

80 Overturned





GEOLOGIC MAP AND STRUCTURE SECTIONS OF PART OF THE SOUTHERN DRAGOON MOUNTAINS BETWEEN SOUTH PASS AND TURQUOISE MOUNTAIN, ARIZONA

Figure 2

$5.5 \times 5.5 = 30.25$

4/14/83

G 711 Rand chip through approx 30' of section lgt grey crypto crystalline jasp repl of ls beds - massive FeOx weathering stain minor jarosite Measured by eye heights

G 712 Rep dump from 20' shaft mostly red to grey lgt weight sil ls fragments, some dense jasp & some unaltered ls also included sample represents ~30' section ~30% of which is dense unaltered to slightly altered thick bedded grey ls

G 713 Rep chip across "strata" of mill tails in creek ~7' thick at thickest point ~500 tons of material remain - mostly a red brick to red buff fg sand

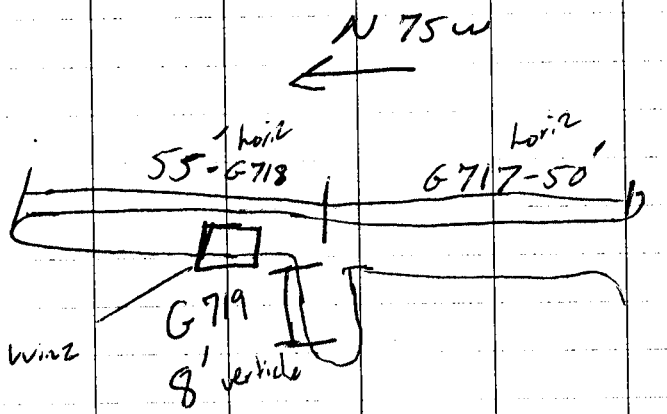
G 714 Stratographically from bottom to top

8'	jasp
22'	upper 10' ls lower 12' not exposed
6'	jasperoid

Sample was rand outcrop chip combined from 8' & 6' jasp beds same description as G 711

G 715 (WSD)

G 716 (WSD)



G 717 - G 718 - G 719

G 717 + G 718 represent ~ 105' across a strata zone lower portion is argillic to slightly sil ls & jasp upper portion is highly sil + partially brecciated jasp ls & lim shale gouge & breccia zone near contact of G 717 + G 718

G 719 8' vertide chip through section

G 720 (WSD) 15' ~~ver~~ chip through strat section massive, Brick red, brecciated, jasp - heavy jarosite stain along fract vugs filled w/ MnOx & qtz crystals - minor sec qtz veining

G 721 ~11' verticle chip through section approximately above strut section of G 720 lower 1/3 is highly sil, massive, red brick to red grey, breccia jasperoid - upper portion is highly silicious but very vuggy - highly weathered - heavy hem stain - soil tween fractures was avoided during sampling

Workings on shaft trend N50E

G 722 14' verticle chip ~ stratographically above G 721 dense brecciated jasp abund FeOx + MnOx

G 723 Chip through 22' of section which only 15' were sampled due to poor exposure top portion ended in unaltered ls - stratagraphically above G 722 but seperated by 10-15' of no exposure due to dozer pads + float upper portion of chip was vuggy brecciated + sil standard jasp in area abund FeOx + MnOx

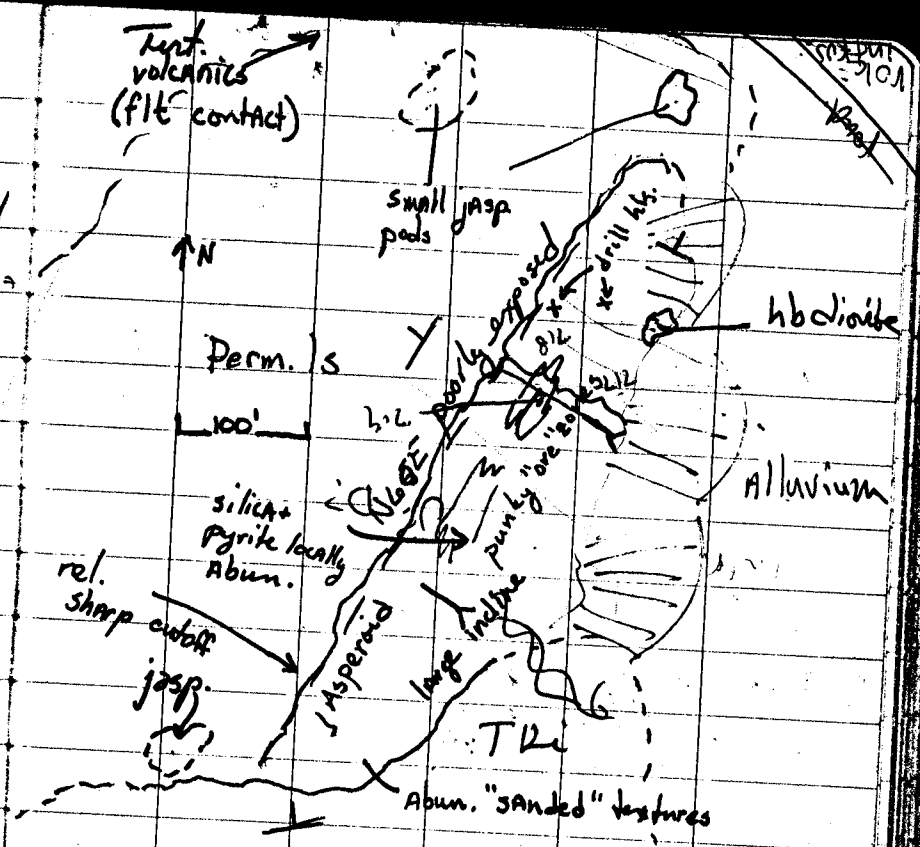
G 724 7½' chip across small prospect across N35E verticle pod of sil jasp ls also includes ~6" of wr on each side, one wr side highly alt, brecciated, 2' zone of highly py jasp w/ 15% vfg pyrite

Swissohelm Mtns.

Sample (A) G715 - 20' chip thru intensely alt'd qtz rhyolite, some dacite. Heavy hematite-limonite string, jarosite string, pyrite casts (?)

5 (B) G716 - ~100' chip sample from contact of jasp. w/ gneiss rock to unaltered ls. Silica breccia zone, vuggy, w/ hydro. qtz xtals + abun. Fe-Mn string in silica + vugs. Minor "punky" ore zone w/ prospect along chip, ~3' wide.

Jasp. is developed along fault (?) contact between Tert. int. volcanics + NACO (Perm) Ls. Ore bodies, or high grade (4-6), is restricted to narrow, rel. stply plunging zones w/in jasp. that trend N35E to N50E. Ore mineralization consists



Tki - Tertiary subvol. int. stock consisting of many small to large dikes + plugs of qtz. rhyolites, latite, biotite dacites, hb. diorite, fresh to intensely alt'd (locally)

of highly silic'd ls w/ finly dissem. pyrite and/or galena.

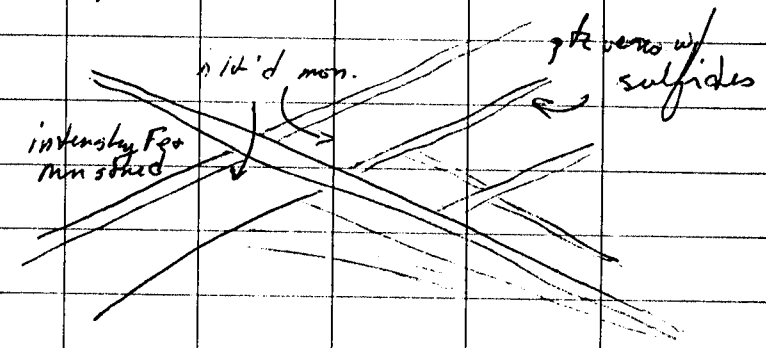
Silic'd zone around mine is ~700' x 150'. Two drill holes note'd near workings.

Golden Rose Mine Area

Area of vein + stockwork deposits in alt'd qtz monzonite and diorite. Stockworks are conjugate-set veinlets of sulfide-bearing qtz w/ mod. to intense jarosite, hematite + limonite string. Qtz monzonite intensly reddened + argillized near stockworks. Samples: K456-K457 Alt'd monzonite w/ qtz veinlets to 2" w/ boxwork hematite-limonite, minor jarosite. 5' chips.

K458-459 - As above, 8' chips

K460-461 - As above, more alt'd and qtz veined. 8' chip



K462 + 463, 464 - more intensly alt'd monzonite, very argillic, Fe-stned, some sulfides. Near contact w/ seds. 8' chip

Winnifred Mine Area:

Samples: K465 - basic intrusive, highly alt'd + veined w/ Fe-Mn stned qtz veins to 1 inch; minor jarosite string, minor hematite. 8' chip

K466 + 467 - Alt'd rhy. adj. to open cuts - silic'fied, int. Fe-stned on frac surfaces, almost

IDA-MAY RESOURCES LTD. (IMY-V)

OLD ARIZONA MINE OPTIONED - Ida-May Resources Ltd. president Brij Sharan, P.Eng., reports they have obtained an option to buy some 320 claims in the Middlemarch Canyon area about 15 miles NE of Tombstone, Arizona. Mr. Sharan says the property has been producing copper, zinc and silver ores in the past and has reserves in underground and open pit locations. A new zone with predominently silver values has been located lately. Metallurigical tests indicate that the silver can be recovered by heap leaching.

Ida-May have 90 days to verify the extent of the ore bodies and 1 year in which to commit to put the property into production. A geological evaluation and drill program will be started in the near furture.

RILEY'S DATASHARE INTERNATIONAL LTD.

THREE MONTHS ENDED AUGUST 31	1983	1982
Sales	$1,325,900	$1,275,500
Net Earnings (Loss)	32,700	(41,200)
Earnings (Loss) Per Shares	(2½¢)	(3¢)

CONSOLIDATED PAYMASTER RESOURCES LTD.

DRILLING PLANNED TO FOLLOW UP ON GOOD GOLD INTERSECTION - Consolidated Paymaster Resources Ltd. have completed a 10-hol Stage 1 drill test on 2 disseminated gold targets on their Zebra prospect in Cochise county, Arizona, near Tombstone. The southeastern target was tested with 7 holes; all cut mineralization, but not of ore grade.

Terry B. Mulligan, president, says the northwestern target was tested with 3 holes; all encountered mineralization, that in one hole being of sufficient grade and thickness to be considered commercial grade ore using standard heap leach methods. This hole was mineralize for over 100 feet. A 20-foot section 40 feet below surface averaged 0.045 ounce gold per ton This hole tested a surface anomaly of about 2500 by 1500 feet. It is in an area where several major mining companies have taken surface samples that assayed as high as 0.36 ounce gold per ton.

Although, several major mining companies are showing considerable interest in this project, Paymaster intend to conduct the Stage II drilling program on their own.

New Mexico Geol. Soc. Guidebook, 29th Field Conf., Land of Cochise, 1978

PRECAMBRIAN FORMATIONS AND PRECAMBRIAN HISTORY IN COCHISE COUNTY, SOUTHEASTERN ARIZONA*

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N. Miner 7-15-91

cochise cty

Bisbee and Tombstone

by Edgar B. Heylmun, Ph.D.

9/90 CMJ/CA