



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

The following file is part of the Cambior Exploration USA Inc. records

### **ACCESS STATEMENT**

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

### **CONSTRAINTS STATEMENT**

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

### **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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SHORT NOTE TRANSMITTAL

August 23, 1983  
(Date)

TO : Rocky Mountain Surveyors, Inc.  
FROM : Joyce Cook, Accounts  
SUBJECT: Change in Arizona Mining Claim Numbers

This is to inform you of a change in your mining claim serial numbers 203443 thru 203455 for BM No. 1-14 and 203456 thru 203558 for GR No. 1-103. While these claims were being stamped in, one location notice was overlooked and left unnumbered. Therefore we have voided the above numbers and assigned new ones as follows:

*New #'s*  
AMC 203571 thru 203584 for BM No. 1-14  
AMC 203585 thru 203687 for GR No. 1-103

Enclosed is a copy of the revised receipt and accounting advice for your records. I hope this has not caused too much inconvenience for you.

*Joyce A. Cook*

Note: Return this form when action is completed or attach it to data requested



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

No. 480449

RECEIPT AND ACCOUNTING ADVICE

Subject: MINING CLAIMS (117) JGC/AZ AUG 22 83 0 47 1 58500

Applicant: ROCKY MOUNTAIN SURVEYORS INC.  
P. O. BOX 14057  
ALBUQUERQUE, NM 87191

Remitter:

SAME

Assignor:

LEASE MANAGEMENT DATA (Check appropriate box)

☐ NEW

☐ UPDATE

☐ PAYMENT

SERIAL NUMBER	•	ASG	TYPE	ST	CTY	FUND SYMBOL	ACRES/UNIT	RATE
<del>SM NO. 1-14 LODE ELIXAXE CLAIMS AMC 203571-203584</del> <del>OF PL 1-14 LODE CLAIMS AMC 203585-203687</del>								
AMOUNT	ANV. DATE	EXP. DATE	BILL CYC.	S/C	DISTRICT	NEXT BILL	MISC. DATA	U of M
ASSIGNMENT DATA		NEW SERIAL NUMBER		•	ASG	ACRES/UNITS	RATE	AMOUNT
ASSIGNED AREA								
RETAINED AREA								

APPLY REMITTANCE

Remarks:

ACTION	FUND SYMBOL	CTY	AMOUNT
FILING FEE			
RENTAL			
REFUND			
UNEARNED			
OTHER			
TOTAL			
AMOUNT DUE			

☐ Transfer to

Amount Transferred:

☐ Transfer from

Date Transferred:

☐ Commit to Unit Plan

Operating Rights?

☐ Discovery

Operator:

☐ Partial Assignment

Of Interest?

Bond Filed?

By:

Date:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

No. 480449

RECEIPT AND ACCOUNTING ADVICE

Subject:

Applicant:

Assignor:

MINING CLAIMS (117)

DEC 27 1983

5800

POCKY MOUNTAIN SURVEYORS INC.

P. O. BOX 14937

ALBUQUERQUE, NM 87191

Remitter:

SAME

SERIAL NUMBER

AND 20344-20355 BR NO. 1-14 LODG CLAIMS  
AND 20355-20359 BR NO. 1-103 LODG CLAIMS

*McCombes*

REFER TO THE ABOVE CASE SERIAL NUMBER IN ALL  
CORRESPONDENCE.

PLEASE INFORM THIS OFFICE OF ANY CHANGE IN ADDRESS

NOTE: This notice is a receipt for monies paid the United  
States. If these monies are for required fees in connec-  
tion with your application to lease, purchase, enter, or  
otherwise acquire an interest in public lands or re-  
sources, this receipt is not an authorization to utilize  
the land applied for and it does not convey any right,  
title, or interest in the land for which application is  
made.

# ROCKY MOUNTAIN SURVEYORS, INC.

TELEPHONE (505) 294-1165  
294-1186

11035 CENTRAL N.E.

ALBUQUERQUE, NEW MEXICO

DOUGLAS F. STERCK, PRESIDENT  
REGISTERED PROFESSIONAL LAND SURVEYOR  
COLORADO • NEW MEXICO • ARIZONA • NEVADA

MAILING ADDRESS  
P.O. BOX 14057  
ALBUQUERQUE, NEW MEXICO 87191

August 19, 1983

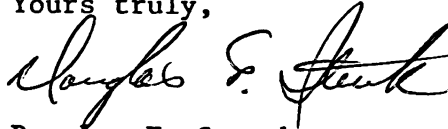
Bureau of Land Management  
2400 Valley Bank Center  
Phoenix, Arizona 85073

Dear Sirs:

Enclosed herewith are lode mining certificates for BM Claims #1-14 & GR Claims #1-103, a blueline topographic base map of the claim group, and our check #11109 in the amount of \$585.00 to cover the recording fees.

If you should have any questions in regards to this, please call me.

Yours truly,



Douglas F. Sterck

Encl.

DFS/jc

# WESTMONT

---

MINING INC.

## MEMORANDUM

To: Hugo Dummett  
From: Sherry Ellebracht *se*  
Date: June 24, 1987  
Subject: McCONNICO PROJECT - ARIZONA

Hugo, enclosed is information on the McConnico Project.

As we discussed, last year Applied Geologic Studies Inc. did assessment work on 40 of the 55 unpatented mining claims per a letter agreement dated July 24, 1986. A couple of questions arise, i.e., is the letter agreement still in effect or has it been formally terminated? We have no information in our office as to how it has been taken care of. And, if Applied Geologic Studies is not going to do assessment work in 1987, does Westmont plan to keep these claims active or officially abandon them?

If you have correspondence in Tucson that we don't have, would you please send us copies and let us know in writing (for our files) what the future plan is. Thanks--give me a call if there's any more information I might be able to furnish.



One of the NICOR  
basic energy companies

# NICOR MINERAL VENTURES

Suite 4200

4949 South Syracuse Street

Denver, Colorado 80237

303 694 4936

July 24, 1986

Applied Geologic Studies Inc.  
2875 West Oxford Street #3  
Englewood, Colorado 80110

RE: Arizona - McConnico Prospect  
Letter Agreement

Gentlemen:

When accepted by you this letter shall constitute an agreement by which Applied Geologic Studies Inc. ("Applied") may earn a 51% interest in up to 55 unpatented mining claims (Exhibit "A") owned by NICOR Mineral Ventures Inc. ("NICOR") by complying with the terms and conditions set forth below.

Applied agrees to perform acceptable assessment work for the 1985-1986 assessment year and to timely file suitable affidavits with the Mohave County Recorder and with the Arizona State Office of the Bureau of Land Management to maintain in good standing a minimum of ten (10) unpatented claims of Applied's choice from the claims listed on Exhibit "A".

Applied may terminate this agreement at anytime after completing the requirements of the preceding paragraph.

Applied agrees to spend a minimum of \$25,000.00 on exploratory activities within five (5) years from the date of this letter agreement. Applied shall expend at least \$2,500.00 in each of the five (5) one (1) year periods unless Applied elects to expend all of the required \$25,000.00 in a shorter period of time.

NICOR, when notified that Applied has met its expenditure obligation, shall have sixty (60) days within which to verify the expenditure from Applied's books and accounts and to assign to Applied the 51% interest in the then remaining Exhibit "A" claims. At that time NICOR and Applied shall enter a Venture Agreement designating Applied as Manager or Operator, utilizing Rocky Mountain Mineral Law Foundation Form 5 "Model Form Mining Venture Agreement", which is incorporated herein by reference, as a guide. All pertinent provisions of this letter agreement shall be included in the Venture Agreement.



Letter Agreement  
July 24, 1986  
Page two

The Venture Agreement shall contain a dilution of interest clause to provide that should either party at any time elect not to participate in operations and expenditures for the Venture, the non-participating party shall have its interest diluted at the rate of 1% for each \$1,000.00 expended by the other party and in the event that either party is diluted to less than 20% interest, that party's interest shall be converted to a 5% Net Smelter Return royalty.

Applied shall furnish NICOR, at NICOR'S letterhead address, annual reports of its activities on the Exhibit "A" properties as well as copies of assessment work filings with Mohave County and the Bureau of Land Management.

Should you be in agreement with the forgoing please indicate your acceptance by signing in the space provided and return one (1) executed copy to this office and retain the other for your files.

Sincerely,

NICOR MINERAL VENTURES INC.



Paul S. Taylor  
Vice President, Exploration

Accepted:  
Applied Geologic Studies Inc.

By \_\_\_\_\_  
William A. Rehrig, President

Date \_\_\_\_\_

McCONNICO

EXHIBIT "A"  
TO LETTER AGREEMENT BETWEEN  
APPLIED AND NICOR MINERAL VENTURES INC.  
DATED JULY 24, 1986

UNPATENTED MINING CLAIMS SITUATED IN TOWNSHIP 20,  
NORTH, RANGE 17 WEST, MOHAVE COUNTY, ARIZONA.

<u>Name</u>	<u>Date Located</u>	<u>Date Recorded</u>	<u>Recordation Book</u>	<u>Page</u>	<u>Date Filed w/BLM</u>	<u>BLM Serial No.</u>
GR 4	7/13/83	7/25/83	947	157	8/22/83	AMC 203588
GR 5	7/13/83	7/25/83	947	159	8/22/83	AMC 203589
GR 6	7/13/83	7/25/83	947	161	8/22/83	AMC 203590
GR 7	7/13/83	7/25/83	947	163	8/22/83	AMC 203591
GR 8	7/13/83	7/25/83	947	165	8/22/83	AMC 203592
GR 9	7/13/83	7/25/83	947	167	8/22/83	AMC 203593
GR 13	7/13/83	7/25/83	947	175	8/22/83	AMC 203597
GR 14	7/13/83	7/25/83	947	177	8/22/83	AMC 203598
GR 15	7/13/83	7/25/83	947	179	8/22/83	AMC 203599
GR 16	7/13/83	7/25/83	947	181	8/22/83	AMC 203600
GR 17	7/13/83	7/25/83	947	183	8/22/83	AMC 203601
GR 18	7/13/83	7/25/83	947	185	8/22/83	AMC 203602
GR 23	7/14/83	7/25/83	947	195	8/22/83	AMC 203607
GR 24	7/14/83	7/25/83	947	197	8/22/83	AMC 203608
GR 25	7/14/83	7/25/83	947	199	8/22/83	AMC 203609
GR 26	7/14/83	7/25/83	947	201	8/22/83	AMC 203610
GR 27	7/14/83	7/25/83	947	203	8/22/83	AMC 203611
GR 28	7/14/83	7/25/83	947	205	8/22/83	AMC 203612
GR 29	7/14/83	7/25/83	947	207	8/22/83	AMC 203613
GR 30	7/14/83	7/25/83	947	209	8/22/83	AMC 203614
GR 31	7/14/83	7/25/83	947	211	8/22/83	AMC 203615
GR 32	7/14/83	7/25/83	947	213	8/22/83	AMC 203616
GR 37	7/15/83	7/25/83	947	223	8/22/83	AMC 203621
GR 38	7/14/83	7/25/83	947	225	8/22/83	AMC 203622
GR 39	7/14/83	7/25/83	947	227	8/22/83	AMC 203623
GR 40	7/14/83	7/25/83	947	229	8/22/83	AMC 203624
GR 41	7/14/83	7/25/83	947	231	8/22/83	AMC 203625
GR 42	7/14/83	7/25/83	947	233	8/22/83	AMC 203626
GR 43	7/14/83	7/25/83	947	235	8/22/83	AMC 203627
GR 44	7/14/83	7/25/83	947	237	8/22/83	AMC 203628
GR 45	7/14/83	7/25/83	947	239	8/22/83	AMC 203629
GR 46	7/14/83	7/25/83	947	241	8/22/83	AMC 203630
GR 51	7/17/83	7/25/83	947	251	8/22/83	AMC 203635
GR 56	7/17/83	7/25/83	947	261	8/22/83	AMC 203640

GR 60	7/19/83	7/25/83	947	269	8/22/83	AMC 203644
GR 61	7/19/83	7/25/83	947	271	8/22/83	AMC 203645
GR 62	7/19/83	7/25/83	947	273	8/22/83	AMC 203646
GR 63	7/19/83	7/25/83	947	275	8/22/83	AMC 203647
GR 64	7/19/83	7/25/83	947	277	8/22/83	AMC 203648
GR 65	7/19/83	7/25/83	947	279	8/22/83	AMC 203649
GR 66	7/19/83	7/25/83	947	281	8/22/83	AMC 203650
GR 67	7/19/83	7/25/83	947	283	8/22/83	AMC 203551
GR 78	7/17/83	7/25/83	947	305	8/22/83	AMC 203662
GR 79	7/17/83	7/25/83	947	307	8/22/83	AMC 203663
GR 80	7/17/83	7/25/83	947	309	8/22/83	AMC 203664
GR 81	7/17/83	7/25/83	947	311	8/22/83	AMC 203665
GR 82	7/17/83	7/25/83	947	313	8/22/83	AMC 203666
GR 83	7/17/83	7/25/83	947	315	8/22/83	AMC 203667
GR 84	7/17/83	7/25/83	947	317	8/22/83	AMC 203668
GR 85	7/17/83	7/25/83	947	319	8/22/83	AMC 203669
GR 99	7/19/83	7/25/83	947	347	8/22/83	AMC 203683
GR 100	7/27/83	8/01/83	949	176	8/22/83	AMC 203684
GR 101	7/27/83	8/01/83	949	178	8/22/83	AMC 203685
GR 102	7/27/83	8/01/83	949	180	8/22/83	AMC 203686
GR 103	7/27/83	8/01/83	949	182	8/22/83	AMC 203687



Return to:

David E. Wahl, Jr.  
Consulting Geologist  
P. O. Box 10758  
Scottsdale, AZ 85271

RECEIVED  
BLM. AZ STATE OFFICE

NOV 21 1986

7:45 A.M.  
PHOENIX, ARIZONA

AFFIDAVIT OF ASSESSMENT WORK  
AND PROOF OF PERFORMANCE OF LABOR  
ON UNPATENTED MINING CLAIMS

David E. Wahl, Jr., being duly sworn, deposes and says: That he is a citizen of the United States, more than eighteen (18) years of age and resides at Scottsdale, Maricopa County, Arizona;

That he is personally acquainted with the following unpatented mining claims situated in the McConnico Mining District, Secs. 16 - 21, 28 & 29, T20N, R17W, Mohave County, Arizona, the Names, Books and Pages of recording of the location notices in the office of the recorder of said county and the BLM serial numbers of which are as described in Exhibit "A".

That the notices of location of said claims are posted on the ground in Mohave County, Arizona as further described in Exhibit "A". That NICOR Mineral Ventures, 4949 South Syracuse Street, Suite 4200, Denver, CO 80237, is the owner of the above-described claims.

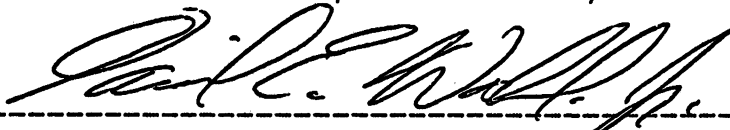
That Applied Geologic Studies, Inc., 2875 West Oxford Street, Suite 3, Englewood, CO 80110, has executed a letter agreement with NICOR Mineral Ventures such that Applied Geologic Studies, Inc., may obtain partial ownership of Exhibit "A" claims.

That between noon September 1, 1985, and noon September 1, 1986, assessment work as required by law for the assessment year beginning at noon on September 1, 1985, and ending at noon on September 1, 1986, was completed for the listed claims. That such work and improvements consisted of geologic mapping, geochemical/ore sampling, interpretation, discounted cash flow analysis, and other work authorized by law to benefit claims described in Exhibit "A", and that this work was completed at an actual cost of at least \$100.00 for each of the claims.

That a summary of this geological/geochemical work is herein presented as Exhibit "B" to fulfill assessment requirements as provided for by law.

That all of the above-described technical studies were performed by or at the expense of NICOR Mineral Ventures and Applied Geologic Studies, Inc., for the purpose of complying with the laws of the United States pertaining to assessment or annual work.

Dated this 3rd day of November, 1986.



David E. Wahl, Jr. as agent for Applied Geologic Studies, Inc.

STATE OF ARIZONA )  
 ) ss.  
COUNTY OF MARICOPA )

MICROFILMED **PROOFED**

SUBSCRIBED AND SWORN TO before me this 3rd day of November, 1986,  
by David E. Wahl, Jr.

My Commission Expires: My Commission Expires May 31, 1989

FEE # 86-45278 INDEX P of L

RECORDED IN OFFICIAL RECORDS  
OF MOHAVE COUNTY, ARIZONA

NOV 4 '86 -8 00 AM

Joan McColl County Recorder

FEE 95.00 PGS 174



RECEIVED  
B.L.M. AZ STATE OFFICE

NOV 21 1986

EXHIBIT A

7:45 A.M.  
PHOENIX, ARIZONA

<u>Name of Claims</u>	<u>BLM Serial No.</u>	<u>County Recordation Book</u>	<u>Pages</u>
GR #4	203588	947	157
thru	thru	thru	
GR #9	203593	947	168
GR #13	203597	947	175
thru	thru	thru	
GR #18	203602	947	185
GR #23	203607	947	195
thru	thru	thru	
GR #32	203616	947	213
GR #37	203621	947	223
thru	thru	thru	
GR #46	203630	947	241
GR #78	203662	947	305
thru	thru	thru	
GR #85	203669	947	319

(all claims located in Mohave County, Arizona)

NOV 21 1986

7:45 A.M.  
PHOENIX, ARIZONA

EXHIBIT "B"

SUMMARY REPORT  
(Geological Affidavit)

November 3, 1986

This summary report is filed in compliance with the requirements of Title 30, U.S.C., Section 28-1 for claims listed in Exhibit "A", which are located in the McConnico Mining District, Mohave County, Arizona.

The work consisted of:

1. Geological mapping.
2. Geochemical/ore sampling.
3. Interpretation of geological, geochemical and assay data from the claim block and surrounding area.
4. Discounted cash flow analysis.

This work was performed to benefit all claims listed in Exhibit "A", and assists in planning further exploration and development work on the claims.

The work was performed between September 1, 1985, and September 1, 1986, by or for NICOR Mineral Ventures, 4949 South Syracuse St., Suite 4200, Denver, CO 80237, and Applied Geologic Studies, 2875 West Oxford St., Suite 3, Englewood, CO 80110.

The geological studies were performed by: Clancy J. Wendt, BS & MS degrees in geology, > 20 years exploration/development experience, District Manager for NICOR Mineral Ventures; Robert T. Wilson, BS & MS degrees in geology, > 10 years exploration/development experience, Vice-President and Senior Geologist for Applied Geologic Studies; and David E. Wahl, Jr., BS, MA, & Ph.D. degrees in geology, > 10 years exploration/development experience, Consulting Geologist for Applied Geologic Studies, Inc.

The value of the above-described studies was a minimum of \$100 for each claim listed in Exhibit "A", and the pertinent conclusions of these studies are:

Within the claim block area, a variegated series of foliated Precambrian igneous and metamorphic rocks is locally unconformably overlain by a relatively thin layer of chiefly mafic Tertiary/Quaternary volcanic rocks. The Precambrian units trend northeasterly with steep foliation dipping generally to the northwest, and rock types include plagioclase-biotite schist and gneiss, plagioclase-chlorite gneiss, quartzofeldspathic gneiss, and foliated granite.

Two environments of precious metal mineralization have been delineated within the claim block. The most spectacular mineralization occurs as fine visible gold developed in zones of "epi-

syenitic" alteration within or adjacent to felsic Precambrian units. This alteration is characterized by intense potassium metasomatism which grades out as selvages from small areas of quartz veinlet stockworks and shallowly dipping quartz veins. Although potassium-enriched zones are gold-anomalous, best gold values are found in the <1" to ca. 12" thick low angle quartz veins where iron-oxide pseudomorphs after pyrite contain visible native gold. The quartz in these gold-bearing low angle veins is white to "greasy" gray in color, locally brecciated, and has been cut by younger near-vertical fractures.

A second environment of precious metal mineralization in the claim block is that of NNW- to NW-trending, steeply dipping quartz veins. These veins are in places greater than six feet in width, and are interpreted to be younger than the previously described shallowly dipping thin veins. Also, the thick high angle veins are thought to have been emplaced in an environment nearer to paleosurface than the thin low angle veins. High angle veins are characterized by white to greasy green coloration, brecciation, multiple silicification events, minor open space textures, and local presence of galena, oxidized pyrite, and other sulfides. The most intense alteration associated with the steeper veins appears to be hanging wall argillization. Discontinuous stringer quartz veins are found in at least one outcrop of high angle vein footwall. Au/Ag ratios for the high angle veins are very low compared to the strong Au bias of low angle veins.

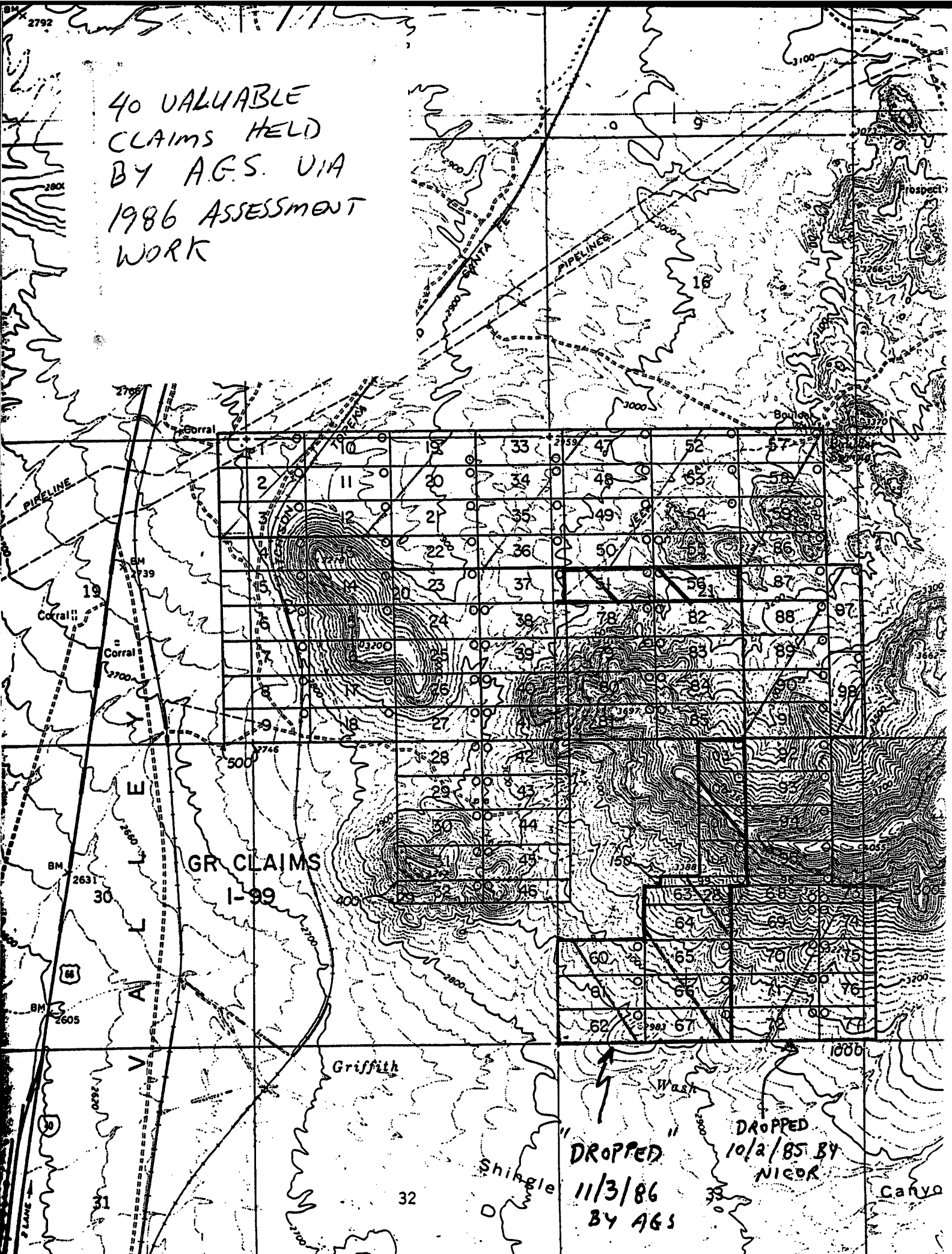
Discounted cash flow analyses have been calculated to ascertain various parameters required for possible development of precious metals from near-surface environments within the claim block.



David E. Wahl, Jr.  
Consulting Geologist  
P.O. Box 10758  
Scottsdale, AZ 85271

RECEIVED  
B.L.M. AZ STATE OFFICE  
NOV 21 1986  
7:45 A.M.  
PHOENIX, ARIZONA

40 VALUABLE  
CLAIMS HELD  
BY A.G.S. VIA  
1986 ASSESSMENT  
WORK



## McCONNICO

## SCHEDULE C

JUN 19 1986

## NICOR MINERAL VENTURES INC.

UNPATENTED MINING CLAIMS SITUATED IN TOWNSHIP 20,  
NORTH, RANGE 17 WEST, MOHAVE COUNTY, ARIZONA.

<u>Name</u>	<u>Date Located</u>	<u>Date Recorded</u>	<u>Recordation Book</u>	<u>Page</u>	<u>Date Filed w/BLM</u>	<u>BLM Serial No.</u>
GR 4	7/13/83	7/25/83	947	157	8/22/83	AMC 203588
GR 5	7/13/83	7/25/83	947	159	8/22/83	AMC 203589
GR 6	7/13/83	7/25/83	947	161	8/22/83	AMC 203590
GR 7	7/13/83	7/25/83	947	163	8/22/83	AMC 203591
GR 8	7/13/83	7/25/83	947	165	8/22/83	AMC 203592
GR 9	7/13/83	7/25/83	947	167	8/22/83	AMC 203593
GR 13	7/13/83	7/25/83	947	175	8/22/83	AMC 203597
GR 14	7/13/83	7/25/83	947	177	8/22/83	AMC 203598
GR 15	7/13/83	7/25/83	947	179	8/22/83	AMC 203599
GR 16	7/13/83	7/25/83	947	181	8/22/83	AMC 203600
GR 17	7/13/83	7/25/83	947	183	8/22/83	AMC 203601
GR 18	7/13/83	7/25/83	947	185	8/22/83	AMC 203602
GR 23	7/14/83	7/25/83	947	195	8/22/83	AMC 203607
GR 24	7/14/83	7/25/83	947	197	8/22/83	AMC 203608
GR 25	7/14/83	7/25/83	947	199	8/22/83	AMC 203609
GR 26	7/14/83	7/25/83	947	201	8/22/83	AMC 203610
GR 27	7/14/83	7/25/83	947	203	8/22/83	AMC 203611
GR 28	7/14/83	7/25/83	947	205	8/22/83	AMC 203612
GR 29	7/14/83	7/25/83	947	207	8/22/83	AMC 203613
GR 30	7/14/83	7/25/83	947	209	8/22/83	AMC 203614
GR 31	7/14/83	7/25/83	947	211	8/22/83	AMC 203615
GR 32	7/14/83	7/25/83	947	213	8/22/83	AMC 203616
GR 37	7/15/83	7/25/83	947	223	8/22/83	AMC 203621
GR 38	7/14/83	7/25/83	947	225	8/22/83	AMC 203622
GR 39	7/14/83	7/25/83	947	227	8/22/83	AMC 203623
GR 40	7/14/83	7/25/83	947	229	8/22/83	AMC 203624
GR 41	7/14/83	7/25/83	947	231	8/22/83	AMC 203625
GR 42	7/14/83	7/25/83	947	233	8/22/83	AMC 203626
GR 43	7/14/83	7/25/83	947	235	8/22/83	AMC 203627
GR 44	7/14/83	7/25/83	947	237	8/22/83	AMC 203628
GR 45	7/14/83	7/25/83	947	239	8/22/83	AMC 203629
GR 46	7/14/83	7/25/83	947	241	8/22/83	AMC 203630
GR 51	7/17/83	7/25/83	947	251	8/22/83	AMC 203635
GR 56	7/17/83	7/25/83	947	261	8/22/83	AMC 203640
GR 60	7/19/83	7/25/83	947	269	8/22/83	AMC 203644
GR 61	7/19/83	7/25/83	947	271	8/22/83	AMC 203645
GR 62	7/19/83	7/25/83	947	273	8/22/83	AMC 203646
GR 63	7/19/83	7/25/83	947	275	8/22/83	AMC 203647
GR 64	7/19/83	7/25/83	947	277	8/22/83	AMC 203648
GR 65	7/19/83	7/25/83	947	279	8/22/83	AMC 203649
GR 66	7/19/83	7/25/83	947	281	8/22/83	AMC 203650
GR 67	7/19/83	7/25/83	947	283	8/22/83	AMC 203551
GR 78	7/17/83	7/25/83	947	305	8/22/83	AMC 203662
GR 79	7/17/83	7/25/83	947	307	8/22/83	AMC 203663
GR 80	7/17/83	7/25/83	947	309	8/22/83	AMC 203664
GR 81	7/17/83	7/25/83	947	311	8/22/83	AMC 203665
GR 82	7/17/83	7/25/83	947	313	8/22/83	AMC 203666
GR 83	7/17/83	7/25/83	947	315	8/22/83	AMC 203667
GR 84	7/17/83	7/25/83	947	317	8/22/83	AMC 203668
GR 85	7/17/83	7/25/83	947	319	8/22/83	AMC 203669

GR 99	7/19/83	7/25/83	947	347	8/22/83	AMC 203683
GR 100	7/27/83	8/01/83	949	176	8/22/83	AMC 203684
GR 101	7/27/83	8/01/83	949	178	8/22/83	AMC 203685
GR 102	7/27/83	8/01/83	949	180	8/22/83	AMC 203686
GR 103	7/27/83	8/01/83	949	182	8/22/83	AMC 203687

\*\*\*ATTENTION\*\*\*

RETAIN THE ATTACHED PHOTOCOPY AS IT IS YOUR OFFICIAL ACKNOWLEDGEMENT OF RECEIPT

In an effort to expedite the acknowledgement procedure, we have time-stamped and photocopied what was submitted to this office. This DOES NOT mean it has been reviewed or processed, only that it was received.

As a reminder, if you have elected to file a notice of intention to hold, do not forget to record such notices of intention to hold for lode and placer claims (not mill or tunnel sites) and all affidavits of labor, amendments and transfers of ownership with the proper county recorder.

In the future, always include the A MC serial numbers assigned to each of your claims when filing affidavits and other documents. For large groups of mining claims, it would help us a great deal to process them into the computer terminal if you would list them in serial number order consecutively. Also, please keep us advised as to your current mailing address.

Bureau of Land Management  
Arizona State Office  
Mining Claims Section  
Siete Square  
3707 North 7th St.  
Phoenix, Arizona 85014  
Phone: (602) 241-5550

Mailing Address:  
Mining Claims Section  
P.O. Box 16563  
Phoenix, Arizona 85011





One of the NICOR  
basic energy companies

## NICOR MINERAL VENTURES

Suite 12 2341 South Friebus Avenue Tucson, Arizona 85713 602-881-8871

October 21, 1985

U.S. Department of the Interior  
Bureau of Land Management  
Arizona State Office  
Box 16563  
Phoenix, AZ 85014

Gentlemen:


Enclosed you will find photocopies of our recorded Proof of Labor and Declaration of Abandonment documents as requested.

Please send acknowledgement of receipt directly to our Denver office at the following address:

NICOR Mineral Ventures, Inc.  
4949 S. Syracuse, Suite 4200  
Denver, Colorado 80237  
Attn: Bob Neel

Thank you.

Sincerely,

  
Gary A. Parkison  
Senior Geologist

GAP:psp

Enclosures

RECEIVED  
B.L.M. AZ STATE OFFICE

OCT 23 1985

07:45 A.M.  
PHOENIX, ARIZONA

**NICOR MINERAL VENTURES**

One of the NICOR  
basic energy companies

Suite 12 2341 South Friebus Avenue Tucson, Arizona 85713

**AFFIDAVIT OF PERFORMANCE AND COMPLETION OF ANNUAL  
ASSESSMENT WORK ON UNPATENTED MINING CLAIMS (Proof of Labor)**

KNOW ALL MEN BY THESE PRESENTS, that I, the undersigned subscriber, do depose and say:

That at least \$100.00 worth of work, labor, improvements, or geological, geophysical, or geochemical work, necessary to hold same under the mining laws of the United States and the State of Arizona for and during the assessment year ending September 1, 1985, has been performed upon, and or for the benefit of, each of the following named contiguous lode mining claims:

Situated in Secs. 16, 17, 18, 19, 20, 21, 28, and 29, T20N, R17W, Mohave County. The "Lode Mining Claim Location Notice" or "Lode Mining Claim Location Certificate" forms for these claims are recorded as follows:

<u>Name of Claims</u>	<u>BLM Serial Nos.</u>	<u>County</u> <u>Recordation</u> <u>Book Pages</u>
-----------------------	------------------------	--

See Exhibit A

The character of expenditures, labor, improvements, or investigations was as follows:

Shallow trenches and roads were constructed on the property. These exposures were then mapped and sampled at a scale of 1" = 50'. Additional mapping and sampling was performed at a scale of 1" = 500'. The mapping and sampling shows that the better gold values are restricted to flat-lying quartz veins.

The total value of work done on these 55 contiguous claims exceeds \$5,500.00 and the work was done for and during the assessment year beginning October 1, 1984 and May 31, 1985.

The name and address (mailing address and current residence) of the owner(s) or claimant(s) of these claims at whose instance the above expenditure was made and who hold these claims for their valuable mineral content is:

NICOR MINERAL VENTURES, INC.  
4949 S. Syracuse Street, Suite 4200  
Denver, Colorado 80237

The names of the persons, corporations, contractors, or sub-contractors who performed the work or made the improvements or investigations are:  
W.S. Dubyk, G.A. Parkison and C.J. Wendt, all NICOR MINERAL VENTURES employees.

G.R. Haynes, Excavating  
1025 Lydia Drive  
Kingman, AZ 86401

Skyline Labs  
1775 W. Sahuaro Drive  
Tucson, AZ 85703

RECEIVED  
BLM. AZ STATE OFFICE

OCT 23 1985

NICOR MINERAL VENTURES, INC.

By Jerry A. Parker  
Agent

STATE OF ARIZONA )  
COUNTY OF PIMA )

ss D/AS A.M.  
PHOENIX, ARIZONA

This instrument was acknowledged before me this 2 day of October, 1985 by Jerry A. Parker as Agent of NICOR MINERAL VENTURES, INC.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year first above written.

My commission expires:

My Commission Expires Feb. 2, 1988

Jerry A. Parker  
Notary Public

# EXHIBIT A

<u>Name of Claims</u>	<u>BLM Serial No.</u>	<u>County Recordation</u>	
		<u>Book</u>	<u>Pages</u>
GR #4 thru GR #9	203588	947	157
	203593	947	168
GR #13 thru GR #18	203597	947	175
	203602	947	185
GR #23 thru GR #32	203607	947	195
	203616	947	213
GR #37 thru GR #46	203621	947	223
	203630	947	241
GR #51	203635	947	251
GR #56	203640	947	261
GR #60 thru GR #67	203644	947	269
	203651	947	283
GR #78 thru GR #85	203662	947	305
	203669	947	319
GR #99	203683	947	347
GR #100 thru GR #103	203684	949	176
	203687	949	182

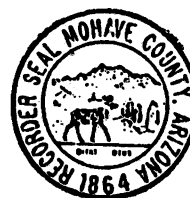
MICROFILMED

INDEX P of L

FEE # 85-35321

PROOFED

RECORDED IN OFFICIAL RECORDS OF MOHAVE COUNTY, ARIZONA	
OCT 7 1985 -8 00 AM	
Joan McCall County Recorder	
FEE 500	PGS 242



RECEIVED  
B.L.M. AZ STATE OFFICE

OCT 23 1985

07:45 A.M.  
PHOENIX, ARIZONA

*Now Mineral Ventures  
Auto 12 2341 S. G. Edwards  
Gusson 85913*

*182*

DECLARATION OF ABANDONMENT

NOTICE IS HEREBY GIVEN that the undersigned declares the following unpatented mining claims owned by NICOR MINERAL VENTURES, INC., located in Mohave County, Arizona, to be abandoned and subject to relocation as of midnight on the date shown below:

Name of Claims	Date Located	BLM AMC Serial No.	County Recordation	
			Book	Pages
GR #1 thru GR #3	7/13/83	203585	947	151
		203587	947	155
GR #10 thru GR #12	7/13/83	203594	947	169
		203596	947	173
GR #19 thru GR #22	7/14/83	203603	947	187
		203606	947	193
GR #33 thru GR #36	7/15/83	203617	947	215
		203620	947	221
GR #47 thru GR #50	7/17/83	203631	947	243
		203634	947	249
GR #52 thru GR #55	7/18/83	203636	947	253
		203639	947	259
GR #57 thru GR #59	7/18/83	203641	947	263
		203643	947	267
GR #68 thru GR #77	7/19/83	203652	947	285
		203661	947	303
GR #86 thru GR #98	7/18/83	203670	947	321
		203682	947	345

DATED this 2<sup>nd</sup> day of October, 1985.

RECEIVED  
B.L.M. AZ STATE OFFICE  
OCT 23 1985  
07:45 A.M.  
By: Anthony D. Park  
Agent

STATE OF ARIZONA )  
                                  ) SS PHOENIX, ARIZONA  
COUNTY OF PIMA )

This instrument was acknowledged before me this 2 day of October, 1985 by Anthony D. Park as Agent of NICOR MINERAL VENTURES, INC.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year first above written.

My commission expires:

*My Commission Expires Feb. 2, 1988*

James H. Rabner  
Notary Public

\*\*\*ATTENTION\*\*\*

RETAIN THE ATTACHED PHOTOCOPY AS IT IS YOUR OFFICIAL ACKNOWLEDGEMENT OF RECEIPT

In an effort to expedite the acknowledgement procedure, we have time-stamped and photocopied what was submitted to this office. This DOES NOT mean it has been reviewed or processed, only that it was received.

As a reminder, if you have elected to file a notice of intention to hold, do not forget to record such notices of intention to hold for lode and placer claims (not mill or tunnel sites) and all affidavits of labor, amendments and transfers of ownership with the proper county recorder.

In the future, always include the A MC serial numbers assigned to each of your claims when filing affidavits and other documents. For large groups of mining claims, it would help us a great deal to process them into the computer terminal if you would list them in serial number order consecutively. Also, please keep us advised as to your current mailing address.

Bureau of Land Management  
Arizona State Office  
Mining Claims Section  
Siete Square  
3707 North 7th St.  
Phoenix, Arizona 85014  
Phone: (602) 241-5550

Mailing Address:  
Mining Claims Section  
P.O. Box 16563  
Phoenix, Arizona 85

# NICOR MINERAL VENTURES

One of the NICOR  
basic energy companies

Suite 12 2341 South Friebus Avenue Tucson, Arizona 85713

## DECLARATION OF ABANDONMENT

NOTICE IS HEREBY GIVEN that the undersigned declares the following unpatented mining claims owned by NICOR MINERAL VENTURES INC., located in Mohave County, Arizona, to be abandoned and subject to relocation as of midnight on the date shown below:

Name of Claim	Date Located	Date Recorded	Mohave County Recordation Book Page(s)	BLM AM C Serial No.
BH #1-14	7/16/83	7/25/83	947 123-150	203571-203584

INDEXED MINES

MICROFILMED

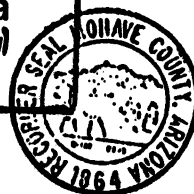
INDEXED SURVEYS

Fee # 85-7657 PROOFED

Recorded in Official Records  
of Mohave County, Arizona  
MAR - 4 1985 - 8 00 AM  
Joan McCall, Recorder

\$ 5.00

1 of 1



DATED this 28 day of Feb, 1985.

NICOR MINERAL VENTURES INC.

By:

Clancy J. Wendt  
District Manager

STATE OF ARIZONA )

COUNTY OF PIMA )

SS.

This instrument was acknowledged before me this 28<sup>th</sup> day of February, 1985, by CLANCY J. WENDT as District Manager of NICOR MINERAL VENTURES INC.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year first above written.

Notary Public

My commission expires:

My Commission Expires July 4, 1989

RECEIVED  
B.L.M. AZ STATE OFFICE

MAR 25 1985

07.45 A.M.  
PHOENIX, ARIZONA

BOOK 1095 PAGE 644

RECEIVED  
B.L.M. AZ STATE OFFICE  
NOV 15 1984  
07.45 A.M.  
PHOENIX, ARIZONA

**AFFIDAVIT OF PERFORMANCE AND COMPLETION  
OF ANNUAL ASSESSMENT WORK ON  
UNPATENTED MINING CLAIMS  
(Proof of Labor)**

KNOW ALL MEN BY THESE PRESENTS, that I, the undersigned subscriber, do depose and say:

That at least \$100.00 worth of work, labor, improvements, or geological, geophysical, or geochemical work, necessary to hold same under the mining laws of the United States and the State of Arizona for and during the assessment year ending September 1, 1984, has been performed upon, or for the benefit of, each of the following named contiguous lode mining claims:

GR#1-103

Situated in Secs. 16, 17, 18, T20N , R 17W, GSRM , Mohave County,  
19,20,21,22,27,28 and 29,

The "Lode Mining Claim Location Notice" or "Lode Mining Claim Location Certificate" forms for these claims are recorded as follows:

Name of Claims	BLM Serial Nos.	County Recordation	
		Book	Pages
GR#1-103	AMC 203585-203687	947	151-348
		949	176-183

The character of expenditures, labor, improvements, or investigations was as follows:

Geological mapping and geochemical sampling of the entire claim block. Anomalous gold values are apparently confined to quartz veins and altered areas in the predominantly Precambrian rocks which underlie most of the area.

The total value of work done on these 103 contiguous claims exceeds \$10,300 and the work was done for and during the assessment year beginning September 1, 1983 and ending September 1, 1984.

The total amount of money expended on the assessment work described above was in excess of \$100.00 per claim, and the work was performed between September 1, 1983 and August 31, 1984.

The name and address (mailing address and current residence) of the owner(s) or claimant(s) of these claims at whose instance the above expenditure was made and who hold these claims for their valuable mineral content is:

NICOR Mineral Ventures, Inc.  
4949 S. Syracuse Street  
Suite 4200  
Denver, Colorado 80237

The names of the persons, corporations, contractors, or sub-contractors who performed the work or made the improvements or investigations are:

Frank Bain, Steve Dubyk, Gary Parkison, Norbert Archbold; NICOR Mineral Ventures employees.

Skyline Labs  
P.O. Box 50106  
Tucson, AZ 85703

MICROFILMED  
INDEX P of L PROOFED,

NICOR MINERAL VENTURES, INC.

Fee # 84 39183

Recorded in Official Records  
of Mohave County, Arizona  
OCT 24 1984 - 8 00 AM

Joan McCall, Recorder

\$ 500

1 of 2



By Frank A. Parkison Agent

BOOK 1064 PAGE 895

STATE OF ARIZONA

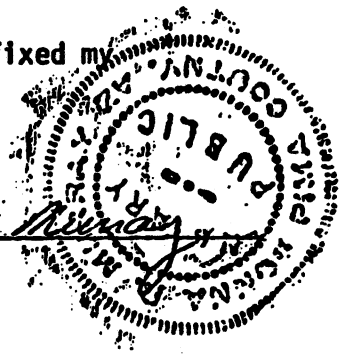
COUNTY OF

Pima

This instrument was acknowledged before me this 15<sup>th</sup> day of October, 1984, by GARY A. PARKISON as gen of NICOR MINERAL VENTURES INC., an Illinois corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year first above written.

Donna R. Murray  
Notary Public



My commission expires:

My Commission Expires July 4, 1988

RECEIVED  
B.L.M. AZ STATE OFFICE  
NOV 15 1984  
07.45 A.M.  
PHOENIX, ARIZONA



E-15015  
McConnico

Exhibit A  
Claim Names and Numbers  
Page 1 of 2

Location: Mohave Co., Arizona

Owner: NICOR Mineral Ventures Inc.

Name of Claim	Date Located	Date Recorded	County File Book	Nos. Page	Date Filed	BLM Serial No.
GR #1	07-13-83	07-25-83	947	151- 52	08-23-83	AMC 203585
GR #2	07-13-83	07-25-83	947	153- 54	08-23-83	AMC 203586
GR #3	07-13-83	07-25-83	947	155- 56	08-23-83	AMC 203587
GR #4	07-13-83	07-25-83	947	157- 58	08-23-83	AMC 203588
GR #5	07-13-83	07-25-83	947	159- 60	08-23-83	AMC 203589
GR #6	07-13-83	07-25-83	947	161- 62	08-23-83	AMC 203590
GR #7	07-13-83	07-25-83	947	163- 64	08-23-83	AMC 203591
GR #8	07-13-83	07-25-83	947	165- 66	08-23-83	AMC 203592
GR #9	07-13-83	07-25-83	947	167- 68	08-23-83	AMC 203593
GR #10	07-13-83	07-25-83	947	169- 70	08-23-83	AMC 203594
GR #11	07-13-83	07-25-83	947	171- 72	08-23-83	AMC 203595
GR #12	07-13-83	07-25-83	947	173- 74	08-23-83	AMC 203596
GR #13	07-13-83	07-25-83	947	175- 76	08-23-83	AMC 203597
GR #14	07-13-83	07-25-83	947	177- 78	08-23-83	AMC 203598
GR #15	07-13-83	07-25-83	947	179- 80	08-23-83	AMC 203599
GR #16	07-13-83	07-25-83	947	181- 82	08-23-83	AMC 203600
GR #17	07-13-83	07-25-83	947	183- 84	08-23-83	AMC 203601
GR #18	07-13-83	07-25-83	947	185- 86	08-23-83	AMC 203602
GR #19	07-14-83	07-25-83	947	187- 88	08-23-83	AMC 203603
GR #20	07-14-83	07-25-83	947	189- 90	08-23-83	AMC 203604
GR #21	07-14-83	07-25-83	947	191- 92	08-23-83	AMC 203605
GR #22	07-14-83	07-25-83	947	193- 94	08-23-83	AMC 203606
GR #23	07-14-83	07-25-83	947	195- 96	08-23-83	AMC 203607
GR #24	07-14-83	07-25-83	947	197- 98	08-23-83	AMC 203608
GR #25	07-14-83	07-25-83	947	199-200	08-23-83	AMC 203609
GR #26	07-14-83	07-25-83	947	201- 02	08-23-83	AMC 203610
GR #27	07-14-83	07-25-83	947	203- 04	08-23-83	AMC 203611
GR #28	07-14-83	07-25-83	947	205- 06	08-23-83	AMC 203612
GR #29	07-14-83	07-25-83	947	207- 08	08-23-83	AMC 203613
GR #30	07-14-83	07-25-83	947	209- 10	08-23-83	AMC 203614
GR #31	07-14-83	07-25-83	947	211- 12	08-23-83	AMC 203615
GR #32	07-14-83	07-25-83	947	213- 14	08-23-83	AMC 203616
GR #33	07-15-83	07-25-83	947	215- 16	08-23-83	AMC 203617
GR #34	07-15-83	07-25-83	947	217- 18	08-23-83	AMC 203618
GR #35	07-15-83	07-25-83	947	219- 20	08-23-83	AMC 203619
GR #36	07-15-83	07-25-83	947	221- 22	08-23-83	AMC 203620
GR #37	07-15-83	07-25-83	947	223- 24	08-23-83	AMC 203621
GR #38	07-14-83	07-25-83	947	225- 26	08-23-83	AMC 203622
GR #39	07-14-83	07-25-83	947	227- 28	08-23-83	AMC 203623
GR #40	07-14-83	07-25-83	947	229- 30	08-23-83	AMC 203624
GR #41	07-14-83	07-25-83	947	231- 32	08-23-83	AMC 203625
GR #42	07-14-83	07-25-83	947	233- 34	08-23-83	AMC 203626
GR #43	07-14-83	07-25-83	947	235- 36	08-23-83	AMC 203627
GR #44	07-14-83	07-25-83	947	237- 38	08-23-83	AMC 203628
GR #45	07-14-83	07-25-83	947	239- 40	08-23-83	AMC 203629
GR #46	07-14-83	07-25-83	947	241- 42	08-23-83	AMC 203630
GR #47	07-17-83	07-25-83	947	243- 44	08-23-83	AMC 203631
GR #48	07-17-83	07-25-83	947	245- 46	08-23-83	AMC 203632
GR #49	07-17-83	07-25-83	947	247- 48	08-23-83	AMC 203633
GR #50	07-17-83	07-25-83	947	249- 50	08-23-83	AMC 203634
GR #51	07-17-83	07-25-83	947	251- 52	08-23-83	AMC 203635
GR #52	07-18-83	07-25-83	947	253- 54	08-23-83	AMC 203636
GR #53	07-18-83	07-25-83	947	255- 56	08-23-83	AMC 203637
GR #54	07-18-83	07-25-83	947	257- 58	08-23-83	AMC 203638
GR #55	07-17-83	07-25-83	947	259- 60	08-23-83	AMC 203639
GR #56	07-17-83	07-25-83	947	261- 62	08-23-83	AMC 203640
GR #57	07-18-83	07-25-83	947	263- 64	08-23-83	AMC 203641
GR #58	07-18-83	07-25-83	947	265- 66	08-23-83	AMC 203642
GR #59	07-18-83	07-25-83	947	267- 68	08-23-83	AMC 203643
GR #60	07-19-83	07-25-83	947	269- 70	08-23-83	AMC 203644

Exhibit A  
Claim Names and Numbers  
Page 2 of 2

Location: Mohave Co., Arizona

Owner: NICOR Mineral Ventures Inc.

Name of Claim	Date Located	Date Recorded	County Book	File Nos. Page	Date Filed	BLM Serial No.
GR # 61	07-19-83	07-25-83	947	271- 72	08-23-83	AMC 203645
GR # 62	07-19-83	07-25-83	947	273- 74	08-23-83	AMC 203646
GR # 63	07-19-83	07-25-83	947	275- 76	08-23-83	AMC 203647
GR # 64	07-19-83	07-25-83	947	277- 78	08-23-83	AMC 203648
GR # 65	07-19-83	07-25-83	947	279- 80	08-23-83	AMC 203649
GR # 66	07-19-83	07-25-83	947	281- 82	08-23-83	AMC 203650
GR # 67	07-19-83	07-25-83	947	283- 84	08-23-83	AMC 203651
GR # 68	07-19-83	07-25-83	947	285- 86	08-23-83	AMC 203652
GR # 69	07-19-83	07-25-83	947	287- 88	08-23-83	AMC 203653
GR # 70	07-19-83	07-25-83	947	289- 90	08-23-83	AMC 203654
GR # 71	07-19-83	07-25-83	947	291- 92	08-23-83	AMC 203655
GR # 72	07-19-83	07-25-83	947	293- 94	08-23-83	AMC 203656
GR # 73	07-19-83	07-25-83	947	295- 96	08-23-83	AMC 203657
GR # 74	07-19-83	07-25-83	947	297- 98	08-23-83	AMC 203658
GR # 75	07-19-83	07-25-83	947	299-300	08-23-83	AMC 203659
GR # 76	07-19-83	07-25-83	947	301- 02	08-23-83	AMC 203660
GR # 77	07-19-83	07-25-83	947	303- 04	08-23-83	AMC 203661
GR # 78	07-17-83	07-25-83	947	305- 06	08-23-83	AMC 203662
GR # 79	07-17-83	07-25-83	947	307- 08	08-23-83	AMC 203663
GR # 80	07-17-83	07-25-83	947	309- 10	08-23-83	AMC 203664
GR # 81	07-17-83	07-25-83	947	311- 12	08-23-83	AMC 203665
GR # 82	07-17-83	07-25-83	947	313- 14	08-23-83	AMC 203666
GR # 83	07-17-83	07-25-83	947	315- 16	08-23-83	AMC 203667
GR # 84	07-17-83	07-25-83	947	317- 18	08-23-83	AMC 203668
GR # 85	07-17-83	07-25-83	947	319- 20	08-23-83	AMC 203669
GR # 86	07-18-83	07-25-83	947	321- 22	08-23-83	AMC 203670
GR # 87	07-18-83	07-25-83	947	323- 24	08-23-83	AMC 203671
GR # 88	07-18-83	07-25-83	947	325- 26	08-23-83	AMC 203672
GR # 89	07-18-83	07-25-83	947	327- 28	08-23-83	AMC 203673
GR # 90	07-18-83	07-25-83	947	329- 30	08-23-83	AMC 203674
GR # 91	07-18-83	07-25-83	947	331- 32	08-23-83	AMC 203675
GR # 92	07-18-83	07-25-83	947	333- 34	08-23-83	AMC 203676
GR # 93	07-18-83	07-25-83	947	335- 36	08-23-83	AMC 203677
GR # 94	07-18-83	07-25-83	947	337- 38	08-23-83	AMC 203678
GR # 95	07-18-83	07-25-83	947	339- 40	08-23-83	AMC 203679
GR # 96	07-18-83	07-25-83	947	341- 42	08-23-83	AMC 203680
GR # 97	07-19-83	07-25-83	947	343- 44	08-23-83	AMC 203681
GR # 98	07-19-83	07-25-83	947	345- 46	08-23-83	AMC 203682
GR # 99	07-19-83	07-25-83	947	347- 48	08-23-83	AMC 203683
GR #100	07-27-83	08-01-83	949	176- 77	08-23-83	AMC 203684
GR #101	07-27-83	08-01-83	949	178- 79	08-23-83	AMC 203685
GR #102	07-27-83	08-01-83	949	180- 81	08-23-83	AMC 203686
GR #103	07-27-83	08-01-83	949	182- 83	08-23-83	AMC 203687

BM 1-14

7-16-83

7-25-83

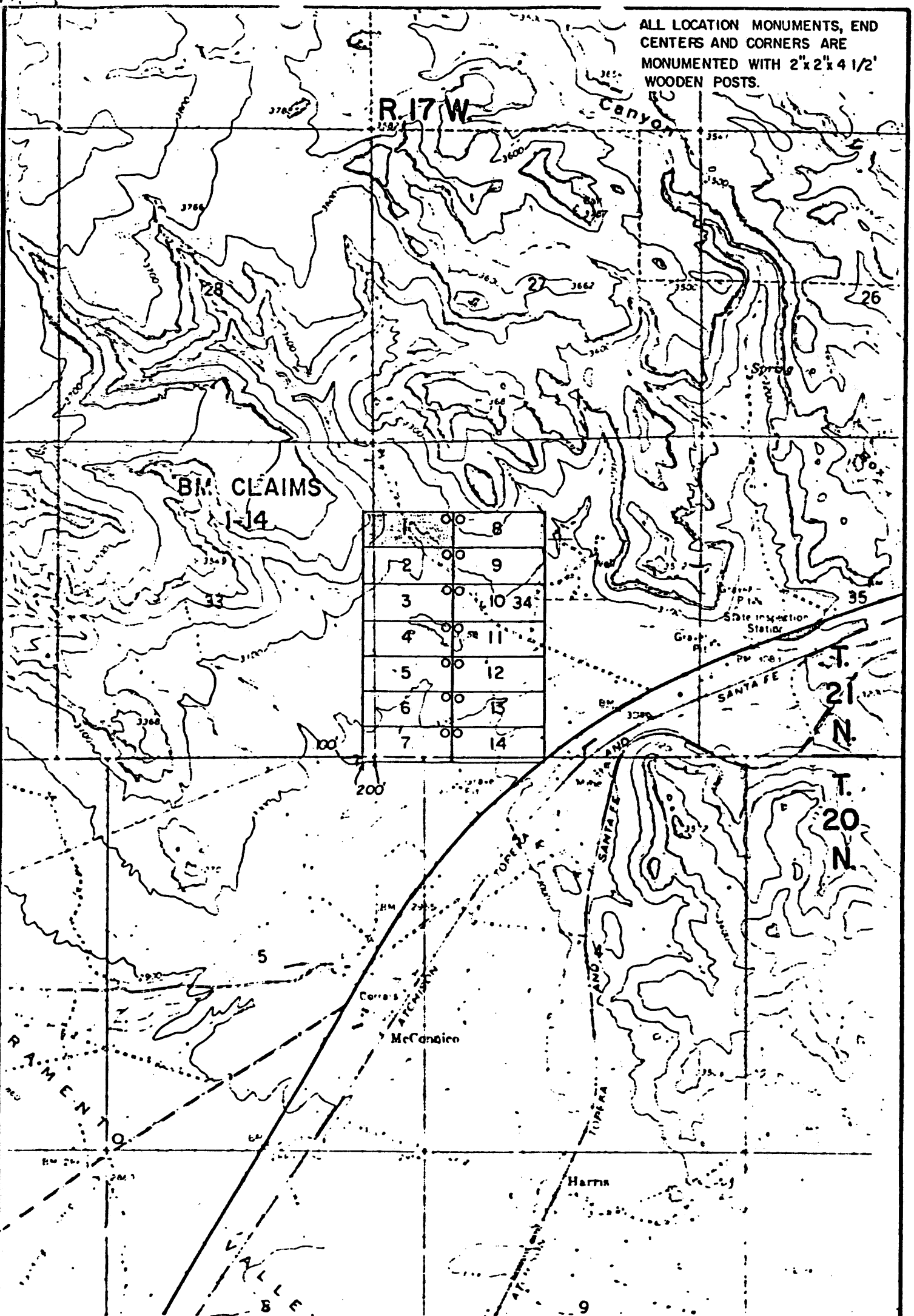
947

123-150

8-22-83

AMC 203571-  
203584

ALL LOCATION MONUMENTS, END  
CENTERS AND CORNERS ARE  
MONUMENTED WITH 2"x2"x4 1/2'  
WOODEN POSTS.



○ LOCATION MONUMENT  
ALL CLAIMS ARE 600'x1500'

ALL LOCATION MONUMENTS ARE OFFSET  
5' FROM CORNER INDICATED.

## MAP OF

LODE MINING CLAIMS  
WITHIN

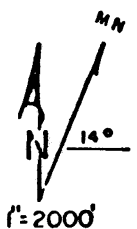
TOWNSHIPS 20 & 21 NORTH, RANGE 17 WEST  
GILA and SALT RIVER MERIDIAN  
MOHAVE COUNTY, ARIZONA  
FOR

**NICOR MINERAL VENTURES, INC.**

2653-G FAN AMERICAN FREEWAY, N.E.  
ALBUQUERQUE, NEW MEXICO 87107

BM CLAIMS 1-14  
LOCATED: JULY 16, 1983

USGS TOPO MAP  
KINGMAN, ARIZ  
1967 7.5'



1"=2000'

BOOK 947 PAGE 124

ALL LOCATION MONUMENTS, END  
CENTERS AND CORNERS ARE  
MONUMENTED WITH 2"x2"x 4 1/2'  
WOODEN POSTS.

R. 17 W.

T. 20 N

GR CLAIMS  
1-99

# MAP OF

LODE MINING CLAIMS  
WITHIN

TOWNSHIP 20 NORTH, RANGE 17 WEST

GILA and SALT RIVER MERIDIAN

MOHAVE COUNTY, ARIZONA

FOR

NICOR MINERAL VENTURES, INC.

2659-G PAN AMERICAN FREEWAY, N.E.  
ALBUQUERQUE, NEW MEXICO 87107

GR CLAIMS 1-99

LOCATED: JULY 13-19, 1983

USGS TOPO MAP

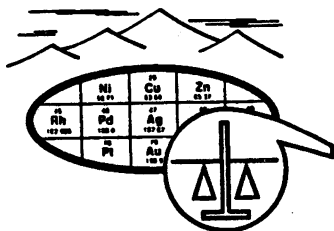
KINGMAN SE, ARIZ.  
1967, 7.5'

○ LOCATION MONUMENT  
ALL CLAIMS ARE 600' x 1500' UNLESS  
OTHERWISE NOTED.  
ALL LOCATION MONUMENTS ARE OFFSET  
5' FROM CORNER INDICATED.



1"=2000'

BOOK 947 PAGE 152



**SKYLINE LABS, INC.**  
 1775 W. Sahuaro Dr. • P.O. Box 50106  
 Tucson, Arizona 85703  
 (602) 622-4836

**REPORT OF ANALYSIS**

**JOB NO. UGH 024**  
**July 30, 1984**  
**G1001 THRU G1023**  
**PAGE 1 OF 2**

**NICOR MINERAL VENTURES**  
 2341 So. Friebus, Suite 12  
 Tucson, Arizona 85713

**Analysis of 23 Rock Samples**

ITEM	SAMPLE NO.	Au (ppm)	
1	G 1001	<.02	16' chip upper granitoid; magn.
2	G 1002	<.02	12' chip granite gneiss
3	G 1003	<.02	4' chip granitoid w/ mag.
4	G 1004	<.02	10' chip - biotite schist at sdi
5	G 1005	<.02	18" qtz-felds segregation at sdi
6	G 1006	<.02	5' granitoid
7	G 1007	.36	~40' chip poorly exposed "top of ore zone"
8	G 1008	1.20	12' coarse-grained granitoid
9	G 1009	.99	20' epigranite, pg.
10	G 1010	3.40	20' epigranite, pg.
11	G 1011	.15	17' biotite-plag gneiss
12	G 1012	2.70	10' unalt. biotite-plag gneiss
13	G 1013	.03	15' chip med. grn'd gran. gneiss
14	G 1014	.02	20' chip - epigranite - biotite plag.
15	G 1015	<.02	Rep dump - biotite gneiss - east



# SKYLINE LABS, INC.

1775 W. Sahuaro Dr. • P.O. Box 50106  
Tucson, Arizona 85703  
(602) 622-4836

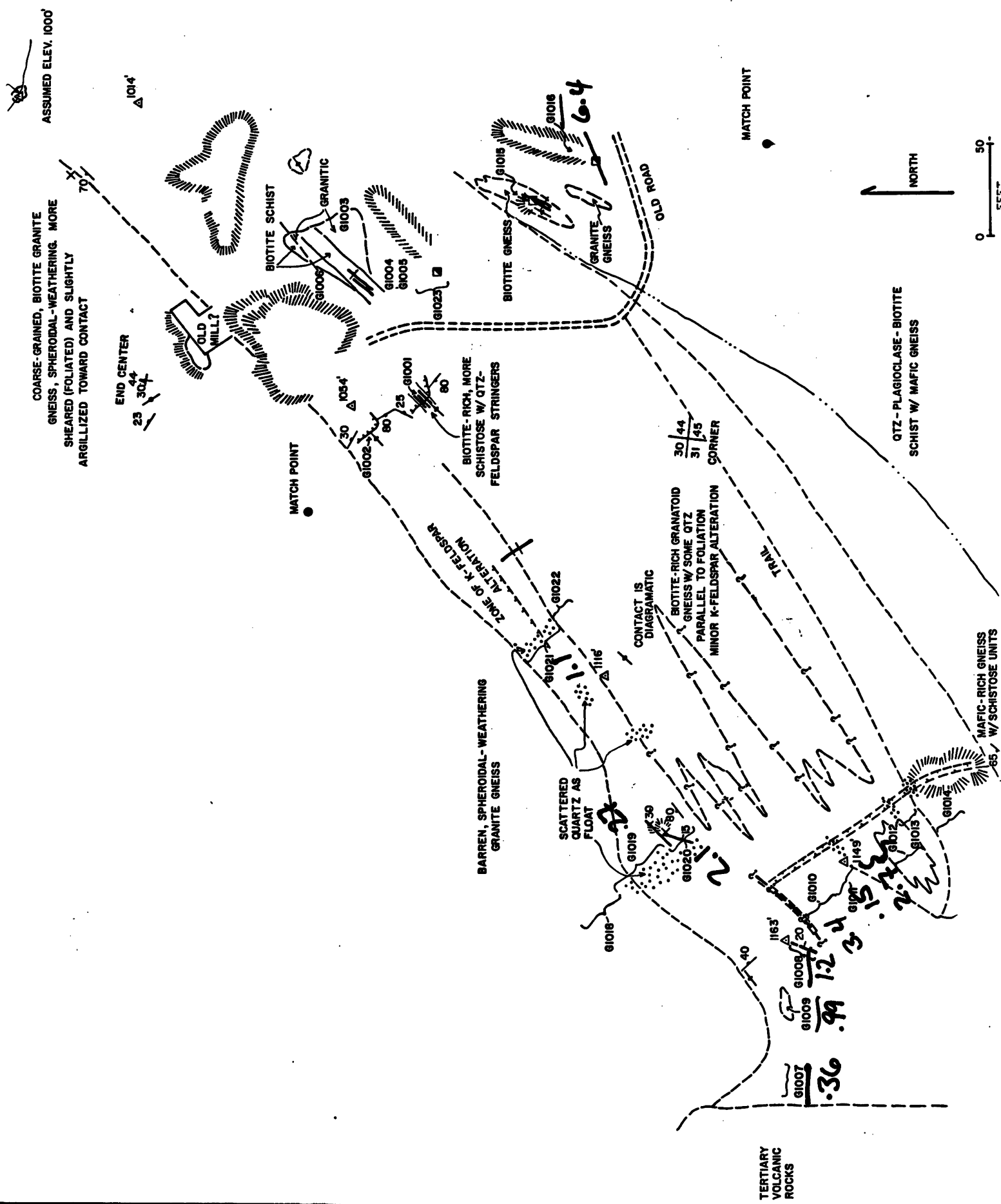
JOB NO. UGH 024  
July 30, 1984  
PAGE 2 OF 2

ITEM	SAMPLE NO.	Au (ppm)
------	------------	-------------

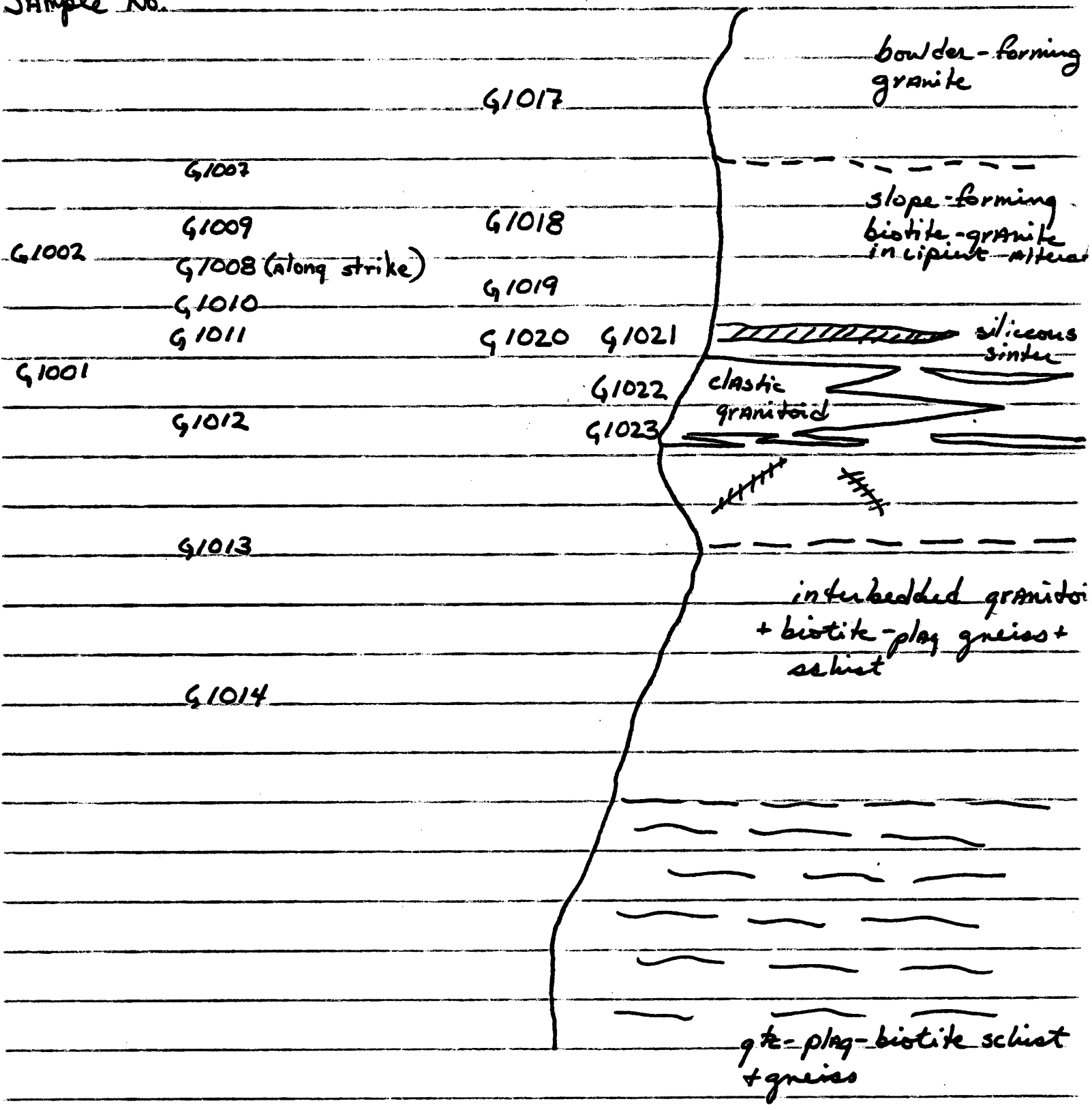
16	G 1016	6.40 Rep dump - shaft to 3rd level (?)
17	G 1017	<.02 20' chip - boulder forming granite
→ 18	G 1018	<.02 20' chip - v. poorly exp. K-feld gran. qtz-felds-py
{ 19	G 1019	.27 30' chip - prospect - abun " , qtz, py.
{ 20	G 1020	2.10 20' chip - pots. granitoid, py.
{ 21	G 1021	1.10 25' chip - siliceous sinter
{ 22	G 1022	<.02 15' chip - granitoid grains
23	G 1023	<.02 15' chip - granitoid

William L. Lehman  
Manager

REGISTERED ASSAYER  
CERTIFICATE NO.  
9425  
WILLIAM L.  
LEHMAN  
AZT. STAMPED  
Arizona U.S.A.



Sample No.



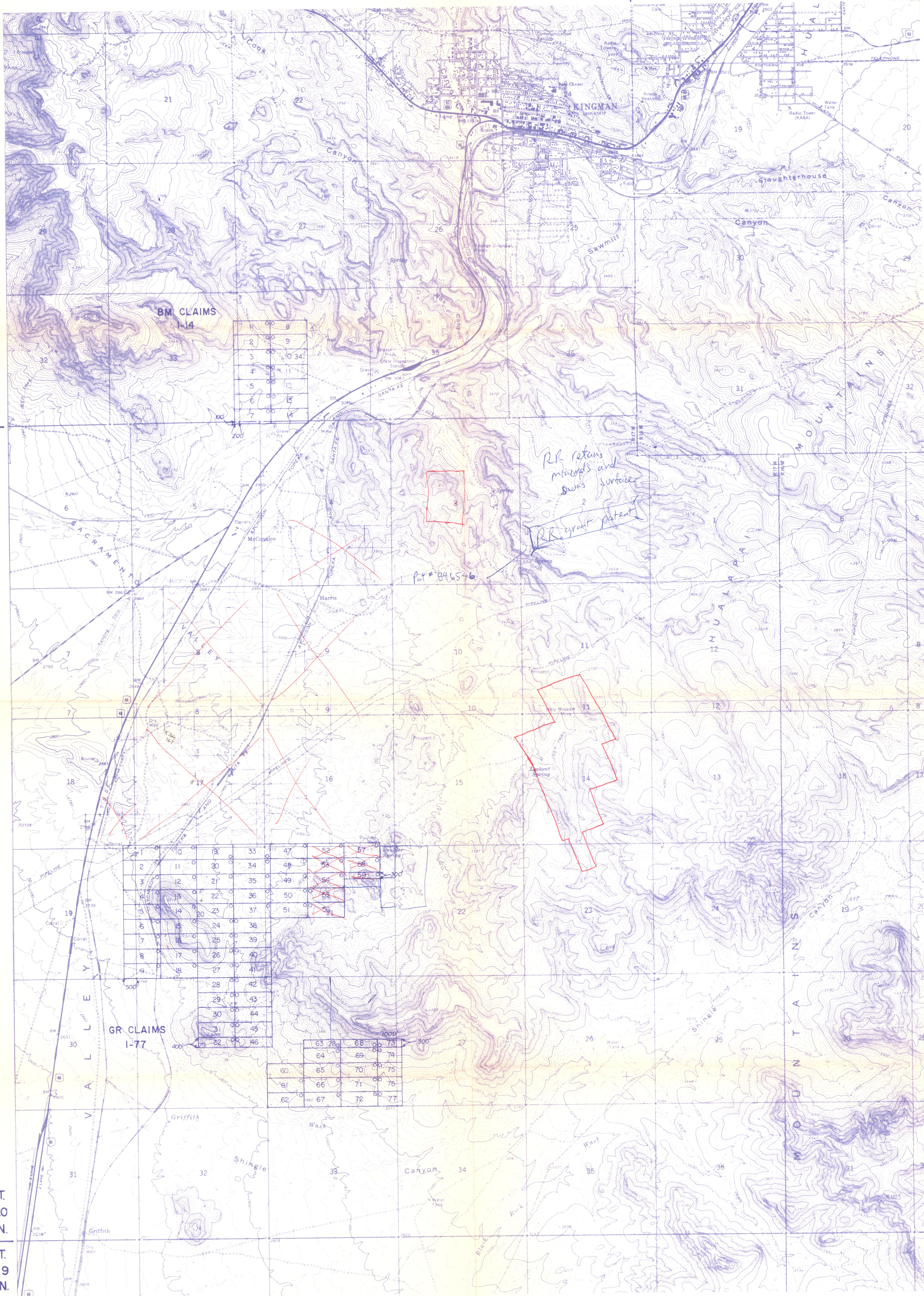


T. 21 N.  
T. 20 N.

T. 21 N.  
T. 20 N.

T. 20 N.  
T. 19 N.

T. 20 N.  
T. 19 N.



○ = LOCATION MONUMENT

ALL CLAIMS ARE 600'x1500' UNLESS OTHERWISE NOTED.

ALL LOCATION MONUMENTS ARE OFFSET 5' FROM CORNER INDICATED.

ALL LOCATION MONUMENTS, END CENTERS AND CORNERS ARE MONUMENTED WITH 2'x2'x4 1/2" WOODEN POSTS.

ADVANCE PLAT  
SUBJECT TO CHANGE OR CORRECTION  
7/9/83

### MAP

OF  
LODE MINING CLAIMS  
WITHIN  
TOWNSHIPS 20&21 NORTH, RANGE 17 WEST  
GILA AND SALT RIVER MERIDIAN  
MOHAVE COUNTY, ARIZONA  
FOR

NICOR MINERAL VENTURES, INC.  
2659-G PAN AMERICAN FREEWAY, N.E.  
ALBUQUERQUE, NEW MEXICO 87107

BM CLAIMS 1-14 LOCATED.

GR CLAIMS 1-77 LOCATED.

ADVANCE PLAT  
SUBJECT TO CHANGE OR CORRECTION  
7/9/83





# DANIEL L. MAXWELL



Jerry N. Thomas, Esq.  
2237 E. Cedar Avenue  
Flagstaff, Arizona  
86001

March 3, 1986

Dear Mr. Thomas:

To simplify matters, I am responding to your letter dated February 18 point by point.

- 1) Although I would be willing to specify a general sort of work plan in the lease (ie. 50 percent of monies to be spent on drilling, 30 percent on geochemistry and geophysics, 10 percent on mapping, and 10 percent on assaying), I am not willing to allow the venture to be run by committee.
- 2) I appreciate this gesture, but I believe a little cash income off a mine goes a long way towards keeping an owner happy.
- 3) Again, I would be willing to specify a general sort of work plan in the lease.
- 4) No disagreement here.
- 5) Although I would prefer (as a mine owner) a net smelter return (NSR) royalty over a net profits royalty, I will offer you a choice between a four percent NSR royalty and a ten percent net profits royalty. A 33 1/3 percent net profits royalty, equivalent to a 13 percent NSR royalty for this property, is excessive, given that the property has no proven ore reserves, and there would be no future capital contributions required from the owner (in the event the property goes into production). I would be happy to meet with you in the near future to explain how I've calculated these royalties.
- 6) No disagreement here.

If we can resolve these issues by mid-month, I see no reason why I can't have a draft lease in the mail to you by March 31. If you have any questions, please don't hesitate to contact me.

Sincerely,

D. L. Maxwell

P. O. Box 99  
Pinos Altos, N M 88053  
(505) 536-9301

cc: W. Iftiger,  
C. Wendt, ✓  
C. Brechtel,  
W. Shepard,  
file.

JERRY N. THOMAS

ATTORNEY AT LAW  
2237 E. CEDAR AVE  
FLAGSTAFF, ARIZONA 86001

TELEPHONE (602) 779-6143  
February 18, 1986

Daniel L. Maxwell  
P.O. Box 99  
Pinos Altos, N. M. 88053

RE: William Iftiger

Dear Mr. Maxwell:

The terms of your offer in your January 30, 1986, letter are basically agreeable.

However we would request the following:

1. That prior to your commencement of the \$5,000.00 work requirement that we agree on the type of work to be done.
2. If you exercise the option we will waive the \$2,000.00 initial payment.
3. As to the work requirement again we want a voice in the nature of work to be done.
4. As to the lease we would waive the minimum royalty requirement for the first two years but would still require a production deadline.
5. A 3 per-cent royalty seems very meager and we would request a 33 1/3 per-cent royalty based on net.
6. Provisions would have to be included that will avoid any enviromental problems with any government.

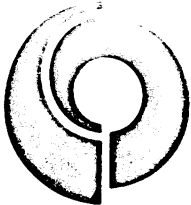
Please advise.

Sincerely,



Jerry N. Thomas

JNT/st



One of the NICOR  
basic energy companies

## NICOR MINERAL VENTURES

Suite 4200

4949 South Syracuse Street

Denver, Colorado 80237

303 694 4936

July 24, 1986

Applied Geologic Studies Inc.  
2875 West Oxford Street #3  
Englewood, Colorado 80110

RE: Arizona - McConnico Prospect  
Letter Agreement

Gentlemen:

When accepted by you this letter shall constitute an agreement by which Applied Geologic Studies Inc. ("Applied") may earn a 51% interest in up to 55 unpatented mining claims (Exhibit "A") owned by NICOR Mineral Ventures Inc. ("NICOR") by complying with the terms and conditions set forth below.

Applied agrees to perform acceptable assessment work for the 1985-1986 assessment year and to timely file suitable affidavits with the Mohave County Recorder and with the Arizona State Office of the Bureau of Land Management to maintain in good standing a minimum of ten (10) unpatented claims of Applied's choice from the claims listed on Exhibit "A".

Applied may terminate this agreement at anytime after completing the requirements of the preceding paragraph.

Applied agrees to spend a minimum of \$25,000.00 on exploratory activities within five (5) years from the date of this letter agreement. Applied shall expend at least \$2,500.00 in each of the five (5) one (1) year periods unless Applied elects to expend all of the required \$25,000.00 in a shorter period of time.

NICOR, when notified that Applied has met its expenditure obligation, shall have sixty (60) days within which to verify the expenditure from Applied's books and accounts and to assign to Applied the 51% interest in the then remaining Exhibit "A" claims. At that time NICOR and Applied shall enter a Venture Agreement designating Applied as Manager or Operator, utilizing Rocky Mountain Mineral Law Foundation Form 5 "Model Form Mining Venture Agreement", which is incorporated herein by reference, as a guide. All pertinent provisions of this letter agreement shall be included in the Venture Agreement.

Letter Agreement  
July 24, 1986  
Page two

The Venture Agreement shall contain a dilution of interest clause to provide that should either party at any time elect not to participate in operations and expenditures for the Venture, the non-participating party shall have its interest diluted at the rate of 1% for each \$1,000.00 expended by the other party and in the event that either party is diluted to less than 20% interest, that party's interest shall be converted to a 5% Net Smelter Return royalty.

Applied shall furnish NICOR, at NICOR'S letterhead address, annual reports of its activities on the Exhibit "A" properties as well as copies of assessment work filings with Mohave County and the Bureau of Land Management.

Should you be in agreement with the forgoing please indicate your acceptance by signing in the space provided and return one (1) executed copy to this office and retain the other for your files.

Sincerely,

NICOR MINERAL VENTURES INC.



Paul S. Taylor  
Vice President, Exploration

Accepted:  
Applied Geologic Studies Inc.

By \_\_\_\_\_  
William A. Rehrig, President

Date \_\_\_\_\_

McCONNICO

EXHIBIT "A"  
TO LETTER AGREEMENT BETWEEN  
APPLIED AND NICOR MINERAL VENTURES INC.  
DATED JULY 24, 1986

UNPATENTED MINING CLAIMS SITUATED IN TOWNSHIP 20,  
NORTH, RANGE 17 WEST, MOHAVE COUNTY, ARIZONA.

<u>Name</u>	<u>Date Located</u>	<u>Date Recorded</u>	<u>Recordation Book Page</u>	<u>Date Filed w/BLM</u>	<u>BLM Serial No.</u>
GR 4	7/13/83	7/25/83	947 157	8/22/83	AMC 203588
GR 5	7/13/83	7/25/83	947 159	8/22/83	AMC 203589
GR 6	7/13/83	7/25/83	947 161	8/22/83	AMC 203590
GR 7	7/13/83	7/25/83	947 163	8/22/83	AMC 203591
GR 8	7/13/83	7/25/83	947 165	8/22/83	AMC 203592
GR 9	7/13/83	7/25/83	947 167	8/22/83	AMC 203593
GR 13	7/13/83	7/25/83	947 175	8/22/83	AMC 203597
GR 14	7/13/83	7/25/83	947 177	8/22/83	AMC 203598
GR 15	7/13/83	7/25/83	947 179	8/22/83	AMC 203599
GR 16	7/13/83	7/25/83	947 181	8/22/83	AMC 203600
GR 17	7/13/83	7/25/83	947 183	8/22/83	AMC 203601
GR 18	7/13/83	7/25/83	947 185	8/22/83	AMC 203602
GR 23	7/14/83	7/25/83	947 195	8/22/83	AMC 203607
GR 24	7/14/83	7/25/83	947 197	8/22/83	AMC 203608
GR 25	7/14/83	7/25/83	947 199	8/22/83	AMC 203609
GR 26	7/14/83	7/25/83	947 201	8/22/83	AMC 203610
GR 27	7/14/83	7/25/83	947 203	8/22/83	AMC 203611
GR 28	7/14/83	7/25/83	947 205	8/22/83	AMC 203612
GR 29	7/14/83	7/25/83	947 207	8/22/83	AMC 203613
GR 30	7/14/83	7/25/83	947 209	8/22/83	AMC 203614
GR 31	7/14/83	7/25/83	947 211	8/22/83	AMC 203615
GR 32	7/14/83	7/25/83	947 213	8/22/83	AMC 203616
GR 37	7/15/83	7/25/83	947 223	8/22/83	AMC 203621
GR 38	7/14/83	7/25/83	947 225	8/22/83	AMC 203622
GR 39	7/14/83	7/25/83	947 227	8/22/83	AMC 203623
GR 40	7/14/83	7/25/83	947 229	8/22/83	AMC 203624
GR 41	7/14/83	7/25/83	947 231	8/22/83	AMC 203625
GR 42	7/14/83	7/25/83	947 233	8/22/83	AMC 203626
GR 43	7/14/83	7/25/83	947 235	8/22/83	AMC 203627
GR 44	7/14/83	7/25/83	947 237	8/22/83	AMC 203628
GR 45	7/14/83	7/25/83	947 239	8/22/83	AMC 203629
GR 46	7/14/83	7/25/83	947 241	8/22/83	AMC 203630
GR 51	7/17/83	7/25/83	947 251	8/22/83	AMC 203635
GR 56	7/17/83	7/25/83	947 261	8/22/83	AMC 203640

GR 60	7/19/83	7/25/83	947	269	8/22/83	AMC 203644
GR 61	7/19/83	7/25/83	947	271	8/22/83	AMC 203645
GR 62	7/19/83	7/25/83	947	273	8/22/83	AMC 203646
GR 63	7/19/83	7/25/83	947	275	8/22/83	AMC 203647
GR 64	7/19/83	7/25/83	947	277	8/22/83	AMC 203648
GR 65	7/19/83	7/25/83	947	279	8/22/83	AMC 203649
GR 66	7/19/83	7/25/83	947	281	8/22/83	AMC 203650
GR 67	7/19/83	7/25/83	947	283	8/22/83	AMC 203551
GR 78	7/17/83	7/25/83	947	305	8/22/83	AMC 203662
GR 79	7/17/83	7/25/83	947	307	8/22/83	AMC 203663
GR 80	7/17/83	7/25/83	947	309	8/22/83	AMC 203664
GR 81	7/17/83	7/25/83	947	311	8/22/83	AMC 203665
GR 82	7/17/83	7/25/83	947	313	8/22/83	AMC 203666
GR 83	7/17/83	7/25/83	947	315	8/22/83	AMC 203667
GR 84	7/17/83	7/25/83	947	317	8/22/83	AMC 203668
GR 85	7/17/83	7/25/83	947	319	8/22/83	AMC 203669
GR 99	7/19/83	7/25/83	947	347	8/22/83	AMC 203683
GR 100	7/27/83	8/01/83	949	176	8/22/83	AMC 203684
GR 101	7/27/83	8/01/83	949	178	8/22/83	AMC 203685
GR 102	7/27/83	8/01/83	949	180	8/22/83	AMC 203686
GR 103	7/27/83	8/01/83	949	182	8/22/83	AMC 203687

11/11/85

Mr. Clancy Wendt  
Nicor Mineral Ventures  
2341 S. Friebus Ave. Suite 12  
Tucson, Arizona 85713

Dear Clancy:

It has been quite a while since I've seen you so to refresh your memory we met while I was working for Energy Reserves Group in Grand Jct. I'm currently with Canyon Resources working for Gary Huber et. al. I'm taking the liberty of enclosing a copy of the report on our placer prospect in Wyoming for your review. This prospect has a very large volume of low-grade, gold bearing gravel with local high grade concentrations. A bulk testing program will be necessary to estimate an average grade and we are seeking a company, such as Nicor, who is interested in conducting such a program.

As a side note I have been involved in this project since its original location and Canyon is aware of and does not object to my efforts to get it farmed out.

If you are interested please give me a call with any questions or comments. Thank you in advance for your consideration.

Sincerely

*Bob Perry*





# DANIEL L. MAXWELL



Mr. Jerry N. Thomas, Esq.  
2237 E. Cedar Avenue  
Flagstaff, Arizona  
86001

March 25, 1986

Dear Mr. Thomas:

In reference to your letter of March 10, we have resolved most of our differences, excepting the royalty schedule. Your latest royalty proposal is still unacceptable to us.

I will be in Phoenix March 29 through 31, and would like to meet with you to explain how my partners and myself view the economics of this project, and, therefore, the royalty burden. If you cannot meet me at this time, I plan to be in northern Arizona sometime during May, and could meet you in Flagstaff then.

While I'm in Phoenix, I can be reached at (602) 986-4050.

Sincerely,

D. L. Maxwell  
P. O. Box 99  
Pinos Altos, N M 88053  
(505) 536-9301

cc: W. Iftiger,  
C. Wendt, ✓  
C. Brechtel,  
W. Shepard,  
file.



# DANIEL L. MAXWELL



*Go  
ask  
for  
report  
book*

Mr. Clancy Wendt  
Nicor Mineral Ventures, Inc.  
2341 South Friebus Avenue, Suite 12  
Tucson, Arizona 85713

May 25, 1985

Dear Mr. Wendt:

I am in search of small, heap-leach-able gold or silver deposits that can be mined by open pit, with low stripping ratios (like everyone else). My intention would be to put such a property into production as soon as possible.

By 'small' I mean anything in the 50,000 to 200,000 ton range. Reserves should be at least in the possible category; I would be willing to do any necessary fill-in drilling, but I am not interested in exploration targets.

I have worked on three precious metals cyanide heap-leach projects: two in Colorado and one in Montana. I'm tired of fighting environmentalists and foul weather, so I am very interested in locating favorable properties in Arizona, Nevada, and New Mexico.

If you have control or knowledge of any such properties, I would like to hear from you as soon as possible.

Sincerely,

*Dan Maxwell*

D. L. Maxwell

P. O. Box 99

Pinos Altos, N M 88053  
(505) 536-9301

P.S. Through mid-June, I can be reached (with some difficulty) at (406) 538-8256.

**APPLIED GEOLOGIC STUDIES, INC.**

2875 West Oxford  
Suite #3  
Englewood, Colorado 80110  
(303) 761-5624

*N-28*

August 17, 1987

Mr. Clancy Wendt  
District Geologist  
Westmont Exploration, Inc.,  
390 Freeport Blvd., Ste 12  
Sparks, NV 89431

Dear Clancy:

This letter is to inform you that Applied Geologic Studies is returning to Westmont all mining lode claims associated with the McConnico Prospect, located near Kingman Arizona, and are relinquishing all rights to the prospect. Relinquishment of our terms of the previous joint venture on this prospect are in line with the letter agreement dated July 24, 1986.

Under separate cover, we will be returning to you all data pertaining to the prospect.

Thanks for your earlier help, and current attention to this matter.

Yours truly,

*Bill Rehrig*  
William A. Rehrig  
President and Chief Geologist

cc: Mr. Steve Wagner, Denver.

Exhibit A *E-15015 McCornico, Arizona*  
Claim Names and Numbers  
Page 1 of 2

Location: Mohave Co., Arizona

Owner: NICOR Mineral Ventures Inc.

Name of Claim	Date Located	Date Recorded	County Book	File Nos. Page	Date Filed	BLM Serial No.
GR #1	07-13-83	07-25-83	947	151- 52	08-23-83	AMC 203585
GR #2	07-13-83	07-25-83	947	153- 54	08-23-83	AMC 203586
GR #3	07-13-83	07-25-83	947	155- 56	08-23-83	AMC 203587
GR #4	07-13-83	07-25-83	947	157- 58	08-23-83	AMC 203588
GR #5	07-13-83	07-25-83	947	159- 60	08-23-83	AMC 203589
GR #6	07-13-83	07-25-83	947	161- 62	08-23-83	AMC 203590
GR #7	07-13-83	07-25-83	947	163- 64	08-23-83	AMC 203591
GR #8	07-13-83	07-25-83	947	165- 66	08-23-83	AMC 203592
GR #9	07-13-83	07-25-83	947	167- 68	08-23-83	AMC 203593
GR #10	07-13-83	07-25-83	947	169- 70	08-23-83	AMC 203594
GR #11	07-13-83	07-25-83	947	171- 72	08-23-83	AMC 203595
GR #12	07-13-83	07-25-83	947	173- 74	08-23-83	AMC 203596
GR #13	07-13-83	07-25-83	947	175- 76	08-23-83	AMC 203597
GR #14	07-13-83	07-25-83	947	177- 78	08-23-83	AMC 203598
GR #15	07-13-83	07-25-83	947	179- 80	08-23-83	AMC 203599
GR #16	07-13-83	07-25-83	947	181- 82	08-23-83	AMC 203600
GR #17	07-13-83	07-25-83	947	183- 84	08-23-83	AMC 203601
GR #18	07-13-83	07-25-83	947	185- 86	08-23-83	AMC 203602
GR #19	07-14-83	07-25-83	947	187- 88	08-23-83	AMC 203603
GR #20	07-14-83	07-25-83	947	189- 90	08-23-83	AMC 203604
GR #21	07-14-83	07-25-83	947	191- 92	08-23-83	AMC 203605
GR #22	07-14-83	07-25-83	947	193- 94	08-23-83	AMC 203606
GR #23	07-14-83	07-25-83	947	195- 96	08-23-83	AMC 203607
GR #24	07-14-83	07-25-83	947	197- 98	08-23-83	AMC 203608
GR #25	07-14-83	07-25-83	947	199-200	08-23-83	AMC 203609
GR #26	07-14-83	07-25-83	947	201- 02	08-23-83	AMC 203610
GR #27	07-14-83	07-25-83	947	203- 04	08-23-83	AMC 203611
GR #28	07-14-83	07-25-83	947	205- 06	08-23-83	AMC 203612
GR #29	07-14-83	07-25-83	947	207- 08	08-23-83	AMC 203613
GR #30	07-14-83	07-25-83	947	209- 10	08-23-83	AMC 203614
GR #31	07-14-83	07-25-83	947	211- 12	08-23-83	AMC 203615
GR #32	07-14-83	07-25-83	947	213- 14	08-23-83	AMC 203616
GR #33	07-15-83	07-25-83	947	215- 16	08-23-83	AMC 203617
GR #34	07-15-83	07-25-83	947	217- 18	08-23-83	AMC 203618
GR #35	07-15-83	07-25-83	947	219- 20	08-23-83	AMC 203619
GR #36	07-15-83	07-25-83	947	221- 22	08-23-83	AMC 203620
GR #37	07-15-83	07-25-83	947	223- 24	08-23-83	AMC 203621
GR #38	07-14-83	07-25-83	947	225- 26	08-23-83	AMC 203622
GR #39	07-14-83	07-25-83	947	227- 28	08-23-83	AMC 203623
GR #40	07-14-83	07-25-83	947	229- 30	08-23-83	AMC 203624
GR #41	07-14-83	07-25-83	947	231- 32	08-23-83	AMC 203625
GR #42	07-14-83	07-25-83	947	233- 34	08-23-83	AMC 203626
GR #43	07-14-83	07-25-83	947	235- 36	08-23-83	AMC 203627
GR #44	07-14-83	07-25-83	947	237- 38	08-23-83	AMC 203628
GR #45	07-14-83	07-25-83	947	239- 40	08-23-83	AMC 203629
GR #46	07-14-83	07-25-83	947	241- 42	08-23-83	AMC 203630
GR #47	07-17-83	07-25-83	947	243- 44	08-23-83	AMC 203631
GR #48	07-17-83	07-25-83	947	245- 46	08-23-83	AMC 203632
GR #49	07-17-83	07-25-83	947	247- 48	08-23-83	AMC 203633
GR #50	07-17-83	07-25-83	947	249- 50	08-23-83	AMC 203634
GR #51	07-17-83	07-25-83	947	251- 52	08-23-83	AMC 203635
GR #52	07-18-83	07-25-83	947	253- 54	08-23-83	AMC 203636
GR #53	07-18-83	07-25-83	947	255- 56	08-23-83	AMC 203637
GR #54	07-18-83	07-25-83	947	257- 58	08-23-83	AMC 203638
GR #55	07-17-83	07-25-83	947	259- 60	08-23-83	AMC 203639
GR #56	07-17-83	07-25-83	947	261- 62	08-23-83	AMC 203640
GR #57	07-18-83	07-25-83	947	263- 64	08-23-83	AMC 203641
GR #58	07-18-83	07-25-83	947	265- 66	08-23-83	AMC 203642
GR #59	07-18-83	07-25-83	947	267- 68	08-23-83	AMC 203643
GR #60	07-19-83	07-25-83	947	269- 70	08-23-83	AMC 203644

Exhibit A  
Claim Names and Numbers  
Page 2 of 2

Location: Mohave Co., Arizona

Owner: NICOR Mineral Ventures Inc.

Name of Claim	Date Located	Date Recorded	County Book	File Nos. Page	Date Filed	BLM Serial No.
GR # 61	07-19-83	07-25-83	947	271- 72	08-23-83	AMC 203645
GR # 62	07-19-83	07-25-83	947	273- 74	08-23-83	AMC 203646
GR # 63	07-19-83	07-25-83	947	275- 76	08-23-83	AMC 203647
GR # 64	07-19-83	07-25-83	947	277- 78	08-23-83	AMC 203648
GR # 65	07-19-83	07-25-83	947	279- 80	08-23-83	AMC 203649
GR # 66	07-19-83	07-25-83	947	281- 82	08-23-83	AMC 203650
GR # 67	07-19-83	07-25-83	947	283- 84	08-23-83	AMC 203651
GR # 68	07-19-83	07-25-83	947	285- 86	08-23-83	AMC 203652
GR # 69	07-19-83	07-25-83	947	287- 88	08-23-83	AMC 203653
GR # 70	07-19-83	07-25-83	947	289- 90	08-23-83	AMC 203654
GR # 71	07-19-83	07-25-83	947	291- 92	08-23-83	AMC 203655
GR # 72	07-19-83	07-25-83	947	293- 94	08-23-83	AMC 203656
GR # 73	07-19-83	07-25-83	947	295- 96	08-23-83	AMC 203657
GR # 74	07-19-83	07-25-83	947	297- 98	08-23-83	AMC 203658
GR # 75	07-19-83	07-25-83	947	299-300	08-23-83	AMC 203659
GR # 76	07-19-83	07-25-83	947	301- 02	08-23-83	AMC 203660
GR # 77	07-19-83	07-25-83	947	303- 04	08-23-83	AMC 203661
GR # 78	07-17-83	07-25-83	947	305- 06	08-23-83	AMC 203662
GR # 79	07-17-83	07-25-83	947	307- 08	08-23-83	AMC 203663
GR # 80	07-17-83	07-25-83	947	309- 10	08-23-83	AMC 203664
GR # 81	07-17-83	07-25-83	947	311- 12	08-23-83	AMC 203665
GR # 82	07-17-83	07-25-83	947	313- 14	08-23-83	AMC 203666
GR # 83	07-17-83	07-25-83	947	315- 16	08-23-83	AMC 203667
GR # 84	07-17-83	07-25-83	947	317- 18	08-23-83	AMC 203668
GR # 85	07-17-83	07-25-83	947	319- 20	08-23-83	AMC 203669
GR # 86	07-18-83	07-25-83	947	321- 22	08-23-83	AMC 203670
GR # 87	07-18-83	07-25-83	947	323- 24	08-23-83	AMC 203671
GR # 88	07-18-83	07-25-83	947	325- 26	08-23-83	AMC 203672
GR # 89	07-18-83	07-25-83	947	327- 28	08-23-83	AMC 203673
GR # 90	07-18-83	07-25-83	947	329- 30	08-23-83	AMC 203674
GR # 91	07-18-83	07-25-83	947	331- 32	08-23-83	AMC 203675
GR # 92	07-18-83	07-25-83	947	333- 34	08-23-83	AMC 203676
GR # 93	07-18-83	07-25-83	947	335- 36	08-23-83	AMC 203677
GR # 94	07-18-83	07-25-83	947	337- 38	08-23-83	AMC 203678
GR # 95	07-18-83	07-25-83	947	339- 40	08-23-83	AMC 203679
GR # 96	07-18-83	07-25-83	947	341- 42	08-23-83	AMC 203680
GR # 97	07-19-83	07-25-83	947	343- 44	08-23-83	AMC 203681
GR # 98	07-19-83	07-25-83	947	345- 46	08-23-83	AMC 203682
GR # 99	07-19-83	07-25-83	947	347- 48	08-23-83	AMC 203683
GR #100	07-27-83	08-01-83	949	176- 77	08-23-83	AMC 203684
GR #101	07-27-83	08-01-83	949	178- 79	08-23-83	AMC 203685
GR #102	07-27-83	08-01-83	949	180- 81	08-23-83	AMC 203686
GR #103	07-27-83	08-01-83	949	182- 83	08-23-83	AMC 203687

BM #1-14

7/16/83

7/25/83

947

123-150

8-22-83

AMC 203571-  
203584

**MCCONNICO PROJECT -**

**GR CLAIMS REPORT**

**W. S. DUBYK**

**NICOR MINERAL VENTURES**

**January 22, 1985**

## TABLE OF CONTENTS

	Page
RECOMMENDATIONS AND CONCLUSIONS	1
INTRODUCTION	2
Location	2
History	2
GEOLOGY	6
Regional Geology	6
Geology of the Foothill Patented Claim	7
Episyenite	8
STRUCTURE IN PRECAMBRIAN ROCKS	10
STRUCTURE ON THE GR CLAIMS AND FOOTHILL PATENTED CLAIM	11
MINERALIZATION	12
RESULTS OF NICOR'S WORK	14
Trenching and Sample Results	14
Potential for the GR claims	15
Cost to Date	16
REFERENCES	18

## LIST OF ILLUSTRATIONS

<u>Figure</u>		<u>Page</u>
1	Location Map	3
2	Claimblock Map	4

## LIST OF TABLES

1	List of Samples from GR Claims	18
2	List of Sample Results from Trenches	23
3	Spectographic Analyses	25

## PLATES

1	Geologic Map of Foothill Claim
2	Trench Map
2a	Sample Overlay
3	Cross Section
4	Sample Location Map with Episyenite Locations



## GR CLAIMS REPORT

### RECOMMENDATIONS AND CONCLUSIONS

Trenching at the Foothill patented claim indicates that the broad "ore-grade" intervals suggested by surface sampling are in fact controlled by a shallowly dipping structure or series of structures which localize quartz veins and episyenite. The geometry and grade of the ore zone at the Fay Mine appear to preclude the possibility of developing sufficient tonnage and grade for a NICOR-sized target. It is therefore suggested that NICOR:

- 1) Send our current sample data to the owner of the Foothill patent (Bill Iftiger) and tell him we are no longer interested in testing the property, and
- 2) Either joint-venture or drop the remaining GR claims, as the Foothill patent may have had the best potential in the claimblock.

## INTRODUCTION

### LOCATION

The GR claims are located in central Mohave County, Arizona about nine miles south of Kingman in T20N, R17W sections 19, 20, 21, 27, 28, and 29 (Figures 1 and 2). A total of 103 claims have been located on ground administered by the BLM. The claims were located in July, 1983. The Foothill patented claim is surrounded by the GR claims and is owned by Mr. Bill Iftiger of Flagstaff. While preliminary discussions regarding a lease on the patent have taken place, no formal proposal has been drafted.

### HISTORY

There is no recorded production from the Foothill patented claim or GR claims, although there may have been some small production as early as 1909 (Schrader, 1909). By 1916, many claims existed in the area and by 1923, the Fay Mine on the Foothill patent was producing some ore. In 1926, the Arizona-Eastern Mining Company had constructed a small stamp mill. Total production is unknown, but was probably about a few hundred ounces; average mill feed was said to be +0.5 oz/ton gold. Other prospect pits in the area do not appear to have had any production.

Desert Ranch Mining of Kingman, Arizona produced small amounts of gold from several small prospects on the Oddball claims, which are also surrounded by the GR claims. This operation commenced in the spring of 1980 and is now idle.

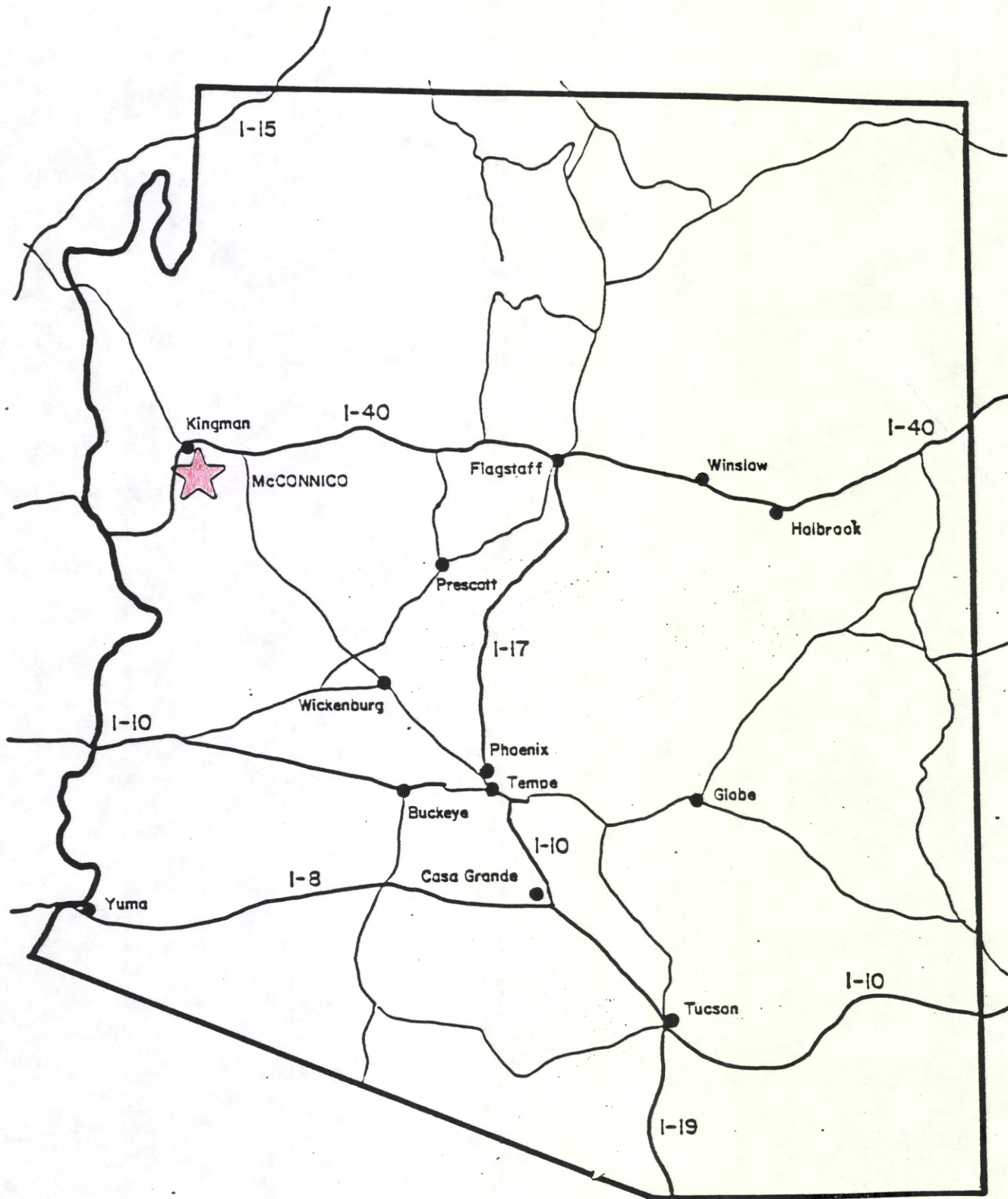


Figure 1. Arizona Location Map



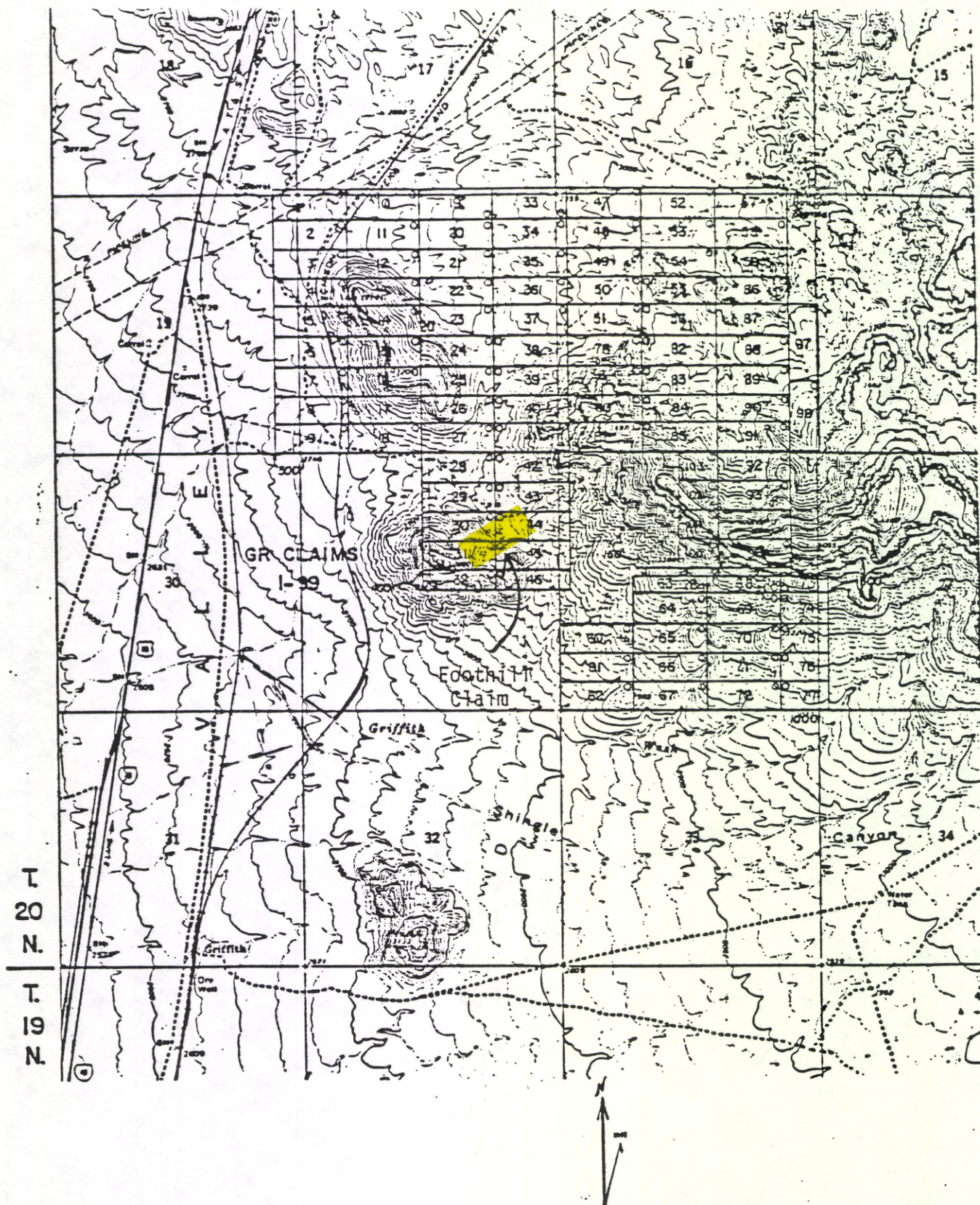


Figure 2. Map of Mining Claims



The GR claims were staked in 1983 by NICOR to cover an area of gold-bearing episyenite that appeared to be stratigraphically hosted over a broad area. In November of 1984, old trenches on the patented ground were reopened with the owners permission.

## GEOLOGY

### REGIONAL GEOLOGY

The Precambrian rocks of northwestern Arizona are composed predominantly of quartzofeldspathic gneiss, amphibolite, mafic schists and gneisses, and granitic rocks, with minor amounts of intercalated metavolcanic and nondetrital metasedimentary rocks.

Foliated quartzofeldspathic gneisses are widespread and interfinger with many other lithologies. Bulk geochemistry and their relationship with other rock types indicate the most likely protolith for most of these gneisses is an immature graywacke or tuffaceous sediment. Prograde and retrograde metamorphism of feldspars has resulted in a more complex mineral assemblage that has destroyed most premetamorphic textures.

Amphibolites and other mafic (usually biotite-rich) gneisses form thick stratigraphic sequences interlayered with the more felsic gneisses and together these units impart a banded aspect to many Precambrian outcrops in western Arizona. Both stratiform and discordant bodies of amphibolite and mafic schists are common. Chemical analyses and poorly preserved textures suggest several different protoliths for these rocks, including intrusive, volcanic and volcanoclastic rocks.

Precambrian-age granites and monzonites crop out throughout northwestern Arizona and represent both S- and I-type granites. Some S-type granites display poorly preserved sedimentary features and these masses may represent metamorphosed, well-sorted sandstones or tuffaceous lenses within the stratified rocks. Other granites (I-type) show diking, rapid textural variations and cross-cutting features indicative of an intrusive environment. Chemical sediments, felsic volcanics, and sulfide-bearing zones are rare constituents of the stratified Precambrian rocks of western Arizona. A well-studied stack of these meta-sedimentary rocks is exposed in Borianna Canyon, about 14 miles southeast of the claimblock area (Stensrud and More, 1980) . An unusual rock-type, episyenite, is also present in the area. Because this unit is closely associated with gold mineralization, its occurrence and theories concerning its genesis will be described later in detail.

A Quaternary basalt cone cuts the Precambrian rocks to the southwest of the Foothill claim. This cone, related flat-lying flows which cap some hills in the area, and alluvium are the only non-Precambrian rocks in the near vicinity.

#### GEOLOGY OF THE FOOTHILL PATENTED CLAIM

Foliation of the Precambrian rocks on the Foothill claim trend N 35° to 45° E and dip about 75° to the northwest. Five rock units were mapped on the claim: mms, above the Foothill vein, and

bfg, sfg, man, and pbs below the vein (Plates 1 and 2). Unit bfg is a resistant foliated quartzofeldspathic gneiss with minor amounts of quartz, biotite, and chlorite. The bfg contact with the sfg unit is gradational and poorly exposed; sfg is similar in composition to bfg but it is more friable, and contains locally abundant specular hematite as an important constituent. Unit man is a distinctive, foliated, plagioclase-chlorite gneiss that is gradational with the enclosing sfg. Unit pbs is a dark plagioclase-biotite schist and gneiss that is gradational into sfg.

The unit mms is preserved above the Foothill vein and is a remnant of the "hanging wall" above the vein. Unit mms is a strongly foliated granite with locally abundant magnetite (to 10%) interlayered with quartz- and plagioclase-rich laminae and biotite-plagioclase schist laminae.

#### Episyenite

Some gold mineralization on the GR claims is intimately associated with a peculiar rock type, episyenite. Episyenite is composed of generally more than 90% red or pink potassium feldspar, the remainder being made up of varying amounts of quartz, specular hematite, ferroan carbonate, fluorite, white mica and limonite after pyrite (Theodore et al, 1982). Coarse free gold is visible in many specimens of episyenite from the GR claims.



Episyenite is a relatively common rock-type in northwestern Arizona and is frequently associated with gold mineralization (Theodore et. al., 1982). Episyenite bodies range in size from small pods a few feet across to masses many hundreds of feet across. While most episyenites cut foliation and lithologies, some are roughly conformable to the rock stratigraphy. In almost all cases, however, they result from metasomatic replacement or alteration of pre-existing rock types.

Rhyolitic rocks, appreciably foliated and/or brecciated, are sometimes found in areas where episyenites are associated with gold mineralization. They are usually pyritized, silicified, and carry weak gold values.

Episyenites have been mined for gold in northwestern Arizona. At the largest operations, such as the Bimetal Mine south of Kingman, episyenite has been open-pit mined for gold. Most episyenite bodies are much smaller, however, and have produced only a few tons of ore. The average grade of ore mined from episyenite is about 0.10 oz/ton to 0.25 oz/ton gold; much higher grades are locally obtainable due to surficial enrichment processes.

The age of the episyenite is debatable. Some feel it is Precambrian and related to a pre-Apache Group tectonic event (before 1.2 b.y.); others suggest it is related to Cretaceous

two-mica granites that have been documented in northwestern Arizona (Theodore et al, 1982).

#### STRUCTURE IN PRECAMBRIAN ROCKS

The Precambrian rocks in the claim block area show a strong N 35° to 45° E foliation trend with high angle dips to the northwest. The foliation generally reflects strong isoclinal folding by passive slip deformation, and does not necessarily reflect original compositional layering.

Two Precambrian deformational events are widely recognized in northwestern Arizona. The first event is poorly documented and only remnants of foliation at a slight angle to the present foliation are preserved. The second period of folding resulted in transposition and the development of southwest-plunging isoclinal folds. Transposition has resulted in the re-orientation of planar and linear features (such as sedimentary layering) to new orientations discordant to the original attitudes.

A strong northwest-trending shear set cuts the stratigraphy at right angles; this trend is most evident on low-altitude photos of the area. They appear to have a spacing interval of 800 to 1100 feet and left-lateral(?) offsets of less than 400 feet. The linear features are evident on the ground and are indicated by

thin breccia zones containing chlorite, silica and rarely, episyenite. Vertical offset on these shears is conjectural.

Younger faults with predominantly vertical displacements and east-west trends are also present within the claim area. The Quaternary basalt cone adjacent to the Foothill patented claim may occur along such a fault.

#### STRUCTURE ON THE GR CLAIMS AND FOOTHILL PATENTED CLAIM

Mineralization in the vicinity of the Foothill patented claim is controlled by a fault or fault-zone striking N55°E and dipping about 25° to the southeast, nearly normal to the dip of the enclosing Precambrian rocks. While exposures are poor, trenching indicates there may be more than one stacked or en-echelon vein with this orientation. Exposures of a similar "stacked" system about 2500 feet along strike to the northeast of the patented claim shows a series of thin, parallel episyenite veins separated by zones of barren foliated monzonite. The Foothill vein system may be the same, or very similar geometrically, to that exposed to the northeast.

Another mineralized shear system, nearly parallel to the foliation of the Precambrian rocks, is later than and superimposed upon the earlier episyenite vein trend. This shearing appears to have remobilized pre-existing mineralization. Scattered fluorite grains and sulfides are present in these later shears.

## MINERALIZATION

Gold-bearing episyenites are locally present on the GR claims (Plate 4) but outcrops are poor and most bodies appear to have limited potential. These small pods are generally only a few tens of feet long and usually only a few feet wide. Surface oxidation has resulted in some local enrichment of gold and these small zones have produced some free gold.

The primary area of economic interest is the patented Foothill claim in the southwestern portion of the GR claim block. The Fay Mine on the Foothill claim has produced a few hundred ounces of gold from a southeasterly-dipping episyenite vein. The Fay Mine was not sampled due to the poor condition of the underground workings; however, it is said to consist of an internal 270 foot decline, with a 50 foot and 85 foot shaft to lower levels, plus about 400 feet of lateral workings at the adit level.

The Foothill vein is from a few inches to 18 inches thick; it is composed predominantly of quartz, pink to red potassium feldspar, sulfides and abundant limonite after pyrite, minor ferroan carbonate and silica veinlets, and rare fluorite, coarse free gold and galena. A silicified, brecciated rhyolite containing abundant pyrite and minor gold values was found on the Fay Mine

dump in an ore pile; while it was not located in outcrop it is assumed to be associated with the ore zone.

The specularite-bearing quartzofeldspathic gneiss (sfg) adjacent to the Foothill vein is locally a stockwork with thin veinlets of potassically altered rock. These thin veinlets are widespread and locally contain abundant limonite after pyrite and free gold. Strike length of the Foothill vein is about 350 feet from the top of the hill (trenched area) to the adit where it passes under alluvium. It projects into the basalt cone to the southwest but does not reappear further along strike.

## RESULTS OF NICOR'S WORK

### TRENCHING AND SAMPLE RESULTS

Surface sampling in old trenches above the Fay Mine indicated a potentially bulk-mineable target. In November of 1984, with the patent owners permission, the old trenches were reopened and carefully mapped and sampled. Trenching was performed to expose the stratigraphy and to determine the geometry and overall thickness of the mineralized zone.

It was originally thought that the Foothill vein represented a high-grade quartz vein confined within a steeply dipping stratigraphically controlled low-grade mineralized unit. Trenching has revealed that almost all the mineralization is structurally controlled and dips shallowly ( $25^{\circ}$  to  $35^{\circ}$  degrees) to the south-east (Plate 3). Some mineralization appears to have been remobilized into fractures that nearly parallel foliation; this mineralization appears to be restricted to within a few feet of the thicker, structurally controlled veins.

As noted previously, there is some indication that the Foothill vein may actually be a series of "stacked" spaced veins. Trenching indicates this zone may be as much as 20 feet thick with perhaps three one- or two-foot thick veins. These thin

structurally controlled veins are locally cut at high angles by smaller veinlets.

Assays from the Fay Mine property are included in Plate 2; trench sample results are included as an overlay (Plate 2a). High-grade samples and scanty production records from the Fay Mine indicate that +0.5 opt gold ore was the mill feed. Trench samples indicate that there is a broad zone of low-grade mineralization (about 0.073 opt across 90 feet); true thickness of this zone, however, is apparently only a few tens of feet.

#### POTENTIAL FOR THE GR CLAIMS

Trenching at the Foothill patented claims indicates that the broad ore-grade intervals suggested by earlier surface-sampling are in fact controlled by a mineralized shallowly dipping structure or series of mineralized structures. The geometry and grade of the ore zone at the Fay Mine appear to preclude the possibility of developing sufficient tonnage and grade for a NICOR-sized target (+250,000 ounces gold). It is therefore suggested that NICOR:

- 1) Send our current sample data to the owner of the Foothill patent (Bill Iftiger) and tell him we are no longer interested in testing the property, or
- 2) Either joint-venture or drop the remaining GR claims, as the Foothill patent may have had the best potential in the claimblock.

APPROXIMATE COST TO DATE

42 man/days @ \$300.00/day	=	\$12,600
Trenching, road building	=	\$ 1,200
Assays	=	\$ 960
Claimstaking	=	<u>\$10,300</u>
Total	=	\$25,060



## REFERENCES

Schrader, F.D., 1909, The mineral deposits of the Cerbat Range, Black Mountains, and Grand Wash Cliffs, Mohave County, Arizona: USGS Bull 397, 226p.

Stensrud, H.L., and More, S., 1980, Precambrian Geology and Massive Sulfide Environments of the West-Central Hualapai Mountains, Mohave County, Arizona - A Preliminary Report in Jenny, J.P. and Stone, C., eds: Studies in Western Arizona, Arizona Geological Society Digest, vol.12, Arizona Geological Society Publications, pl55-166

Theodore, T.G., Blaire, W.N., and Nash, Thomas J., 1982, Preliminary Report on the Geology and Gold Mineralization of the Gold Basin - Lost Basin Mining Districts, Mohave County, Arizona: USGS Open File Report 82-1052, 322p.

TABLE 1. LIST OF SAMPLES FROM GR CLAIMS

Sample	Au (oz/ton)	Other	Description
I433	0.132		6' chip through decline in episyenite
I434	0.033		Rep. dump - episyenite with fluorite
I435	0.103	Spectographic Analysis	15' chip - grab; episyenite with pyrite
I436	0.072		50' grab - float above Fay Mine; qtz with episyenite
I437	0.033		20' grab - rubcrop below sample I436
I438	0.199	Spectographic Analysis	Select rubcrop - episyenite with sulfides
I439	0.304	Spectographic Analysis	15' chip near shaft - granite gneiss with magnetite
I440	<0.01		Composite dump sample
I441	<		Rep. dump
I442	<	0.93 oz/ton Ag	Select dump
I443	0.008		Composite dump
I444	0.070		Grab from prospect in episyenite
I462	0.007		10' chip from episyenite south of Desert mining open cut.
I497	<		6' chip - granite with episyenite, abundant Fe- oxides and qtz.
I498	0.172		6' chip - qtz. monzonite with episyenite veinlets, fluorite, Tr. free gold

Table 1. List of Samples from GR Claims (Cont.)

Sample	Au (oz/ton)	Other	Description
I499	<		8' chip - silicified qtz. monzonite
I500	<		50' grab of episyenite float
I503	<		Dump - brecciated qtz with Fe-oxide
I537	0.017		10' chip - altered qtz. monzonite with episyenite; sulfides, fluorite.
I538	0.125		Grab of granite with qtz. veinlets
I539	<		Grab of episyenite from prospect, fluorite, sulfide
I540	<		5' chip - grey silicified rhyolite(?) with episyenite
I541	0.006		Grab-float; sulfide-bearing metasediments
I542	0.019		20' chip - qtz. monzonite with episyenite, fluorite, Tr. free gold
I726	<		Silic'd episyenite with limonite and sulfides
I727	<		6' chip episyenite with sulfide
I728	<		As I727, more silica
I729	<		Altered red granite with hematite
I730	<		As I729
I731	<		Rep. dump - episyenite in granite

Table 1. List of Samples from GR Claims (Cont.)

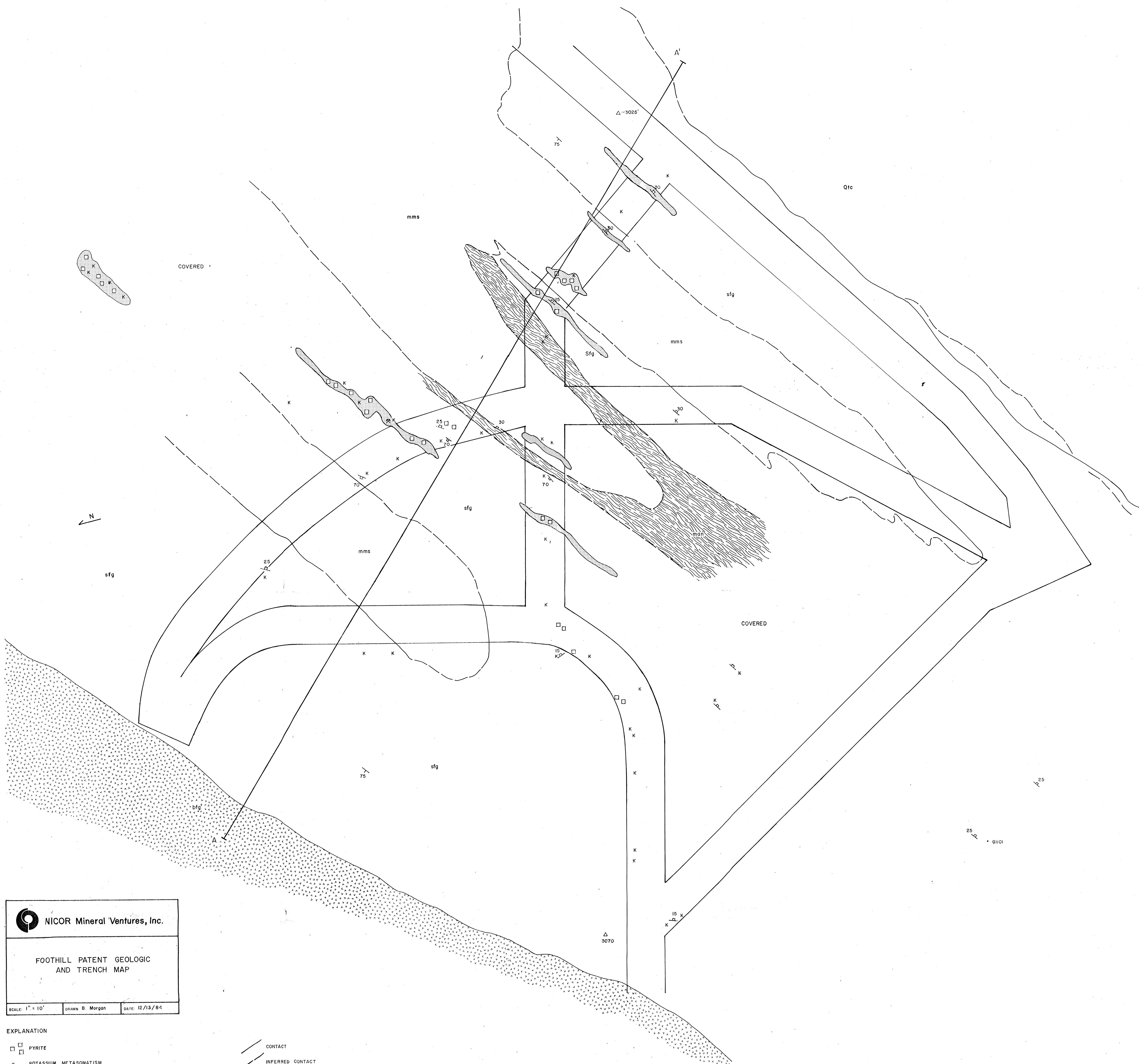
Sample	Au (oz/ton)	Other	Description
I732	<		Red episyenite with abundant limonite after pyrite
K588	0.281		Fay Mine - high grade grab sulfide-bearing episyenite
K589	0.045		30' chip - silicified meta granite w/magnetite
K590	<		Rep. dump, Fay Mine
K591	<		11' chip through western adit; granite and biotite schist with magnetite
K592	0.046		Duplicate of I439 - chip of granite with magnetite
K593	0.278		Dump of western adit
K722	0.008		15' chip through Desert Mining open cut; monzonite with minor episyenite
K723	<		15' chip adjacent to K722 - monzonite with trace of episyenite on fractures
K724	<		4' chip of episyenite in Desert Mining pit
K725	<		12' grab-chip of monzonite and episyenite at bottom of Desert Mining pit
K962	<		25' chip of magnetite-bearing granitoid
K963	<		25' chip of Fe-stained granitoid with magnetite
K964	<		40' chip - biotite gneiss with K-feldspar augen and magnetite

Table 1. List of Samples from GR Claims (Cont.)

Sample	Au (oz/ton)	Other	Description
K965	0.060		40' chip and grab of granitoid and gneiss with minor episyenite
K966	<		12' chip above shaft - biotite gneiss
K967	<		20' chip - granitoid with abundant magnetite
K968	0.955	0.67 opt Ag	Composite dump sample with some high-grade episyenite
K1001	<		16' chip across upper granitoid rocks - unit mms
G1002	<		12' chip across mms, some small qtz veins
G1003	<		4' chip through mms - granitoid, gneiss with magnetite
G1004	<		10' chip in mms
G1005	<		18" aggregate of qtz- feldspar lenses in mms
G1006	<		5' chip through mms adjacent to G1004
G1007	0.011		~40' chip over poorly exposed monzonite with minor episyenite. ~50% exposure
G1008	0.038		12' chip along cut - qtz vein with py., K-feldspar
G1009	0.032		20' chip through monzonite with minor episyenite veinlets
G1010	0.109		20' chip from old trench - episyenite veinlets

Table 1. List of Samples from GR Claims (Cont.)

Sample	Au (oz/ton)	Other	Description
G1011	0.005		17' chip through granitoid with magnetite, local K-feldspar
G1012	0.087		10' chip through biotite- plagioclase gneiss, minor episyenite veinlets
G1013	<		15' chip through magnetite- bearing granitic gneiss
G1014	<		20' chip through mms - unit, granitoid with magnetite
G1015	<		Rep. dump - biotite gneiss
G1016	0.206		Rep. dump - minor episyenite in biotite schist
G1017	<		20' chip thru unit bfg- biotite-plagioclase granodiorite
G1018	<		20' chip through bfg
G1019	0.008		30' chip across poorly exposed sfg-qtz, feldspar, py.
G1020	0.067		20' chip thru sfg to contact with mms-qtz, py., feldspar
G1021	0.035		25' chip through poorly exposed sfg with qtz-py vein to 1'; trace free gold
G1022	<		15' chip through mms
G1023	<		15' chip through mms



**NICOR Mineral Ventures, Inc.**

**FOOTHILL PATENT GEOLOGIC  
AND TRENCH MAP**

SCALE: 1" = 10'
DRAWN: B. Morgan
DATE: 12/13/84

- EXPLANATION**
- |   |  |
|---|--|
| <p> PYRITE</p> <p><b>K</b> POTASSIUM METASOMATISM</p> <p> QUARTZ VEINS</p> <p><b>Qtc</b> ALLUVIUM AND COLLUVIUM</p> <p><b>mms</b> FOLIATED GRANITE WITH QUARTZ LAMINAE AND PLAGIOCLASE AUGEN, LOCALLY MAGNETITE RICH</p> <p><b>sfg</b> FOLIATED PLAGIOCLASE GRANITE WITH MODERATE BIOTITE, SPECULARITE, QUARTZ AND CHLORITE</p> <p> FOLIATED PLAGIOCLASE - CHLORITE GNEISS</p> <p><b>bfg</b> FOLIATED PLAGIOCLASE GRANITE WITH MINOR QUARTZ, BIOTITE AND CHLORITE</p> | <p> CONTACT</p> <p> INFERRED CONTACT</p> <p> STRIKE AND DIP OF ROCK FORMATION</p> <p> STRIKE AND DIP OF JOINTS AND VEIN STRUCTURES</p> |
|---|--|

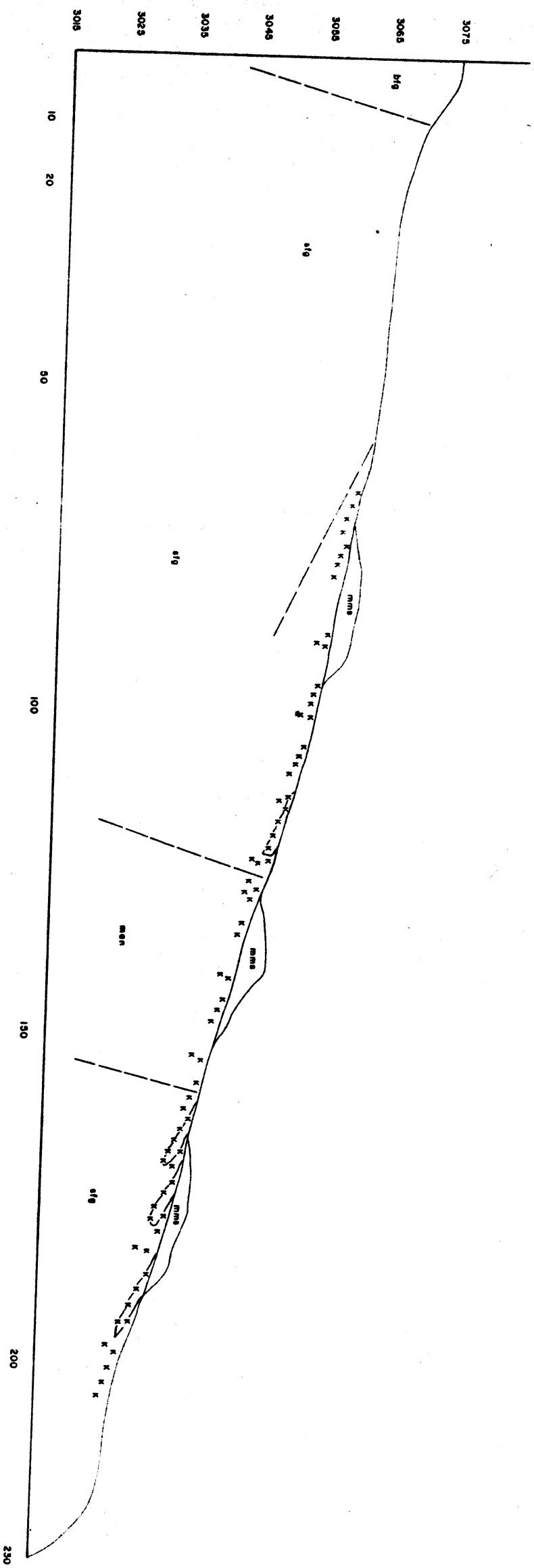












**NICOR Mineral Ventures, Inc.**

**FOOTHILL PATENT  
CROSS SECTION**

SCALE 1" = 10'  
DRAWN BY: M. J. M. J. M. J. M.  
DATE: 12/14/84

**EXPLANATION**

- K POTASSIUM METASCHIST
- mm FOLIATED PLAGIOCLASE CHERT AND GNEISS
- mms FOLIATED PLAGIOCLASE GRANITE WITH MINOR QUARTZ, BIOTITE AND CHLORITE
- bfg BRECCIATED FAULT ZONE
- mm FOLIATED PLAGIOCLASE GRANITE WITH QUARTZ LAMINAE AND PLAGIOCLASE AGGREGATES, LOCALLY MAGNETITE RICH
- mm FOLIATED PLAGIOCLASE GRANITE WITH MODERATE BIOTITE
- mm FOLIATED PLAGIOCLASE GRANITE WITH QUARTZ LAMINAE AND PLAGIOCLASE AGGREGATES, LOCALLY MAGNETITE RICH