CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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.

PRINTED: 07-21-2009

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MAUCK-TYLER PLACER

ALTERNATE NAMES:
TYLER, JOHN C. PROPERTY

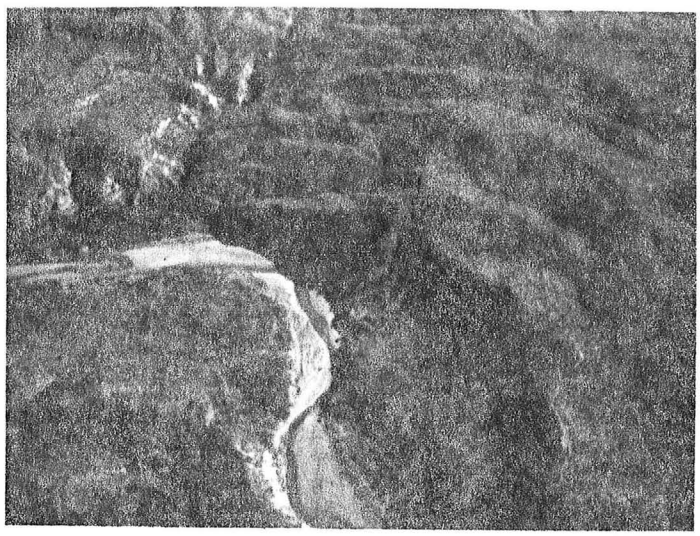
MARICOPA COUNTY MILS NUMBER: 638B

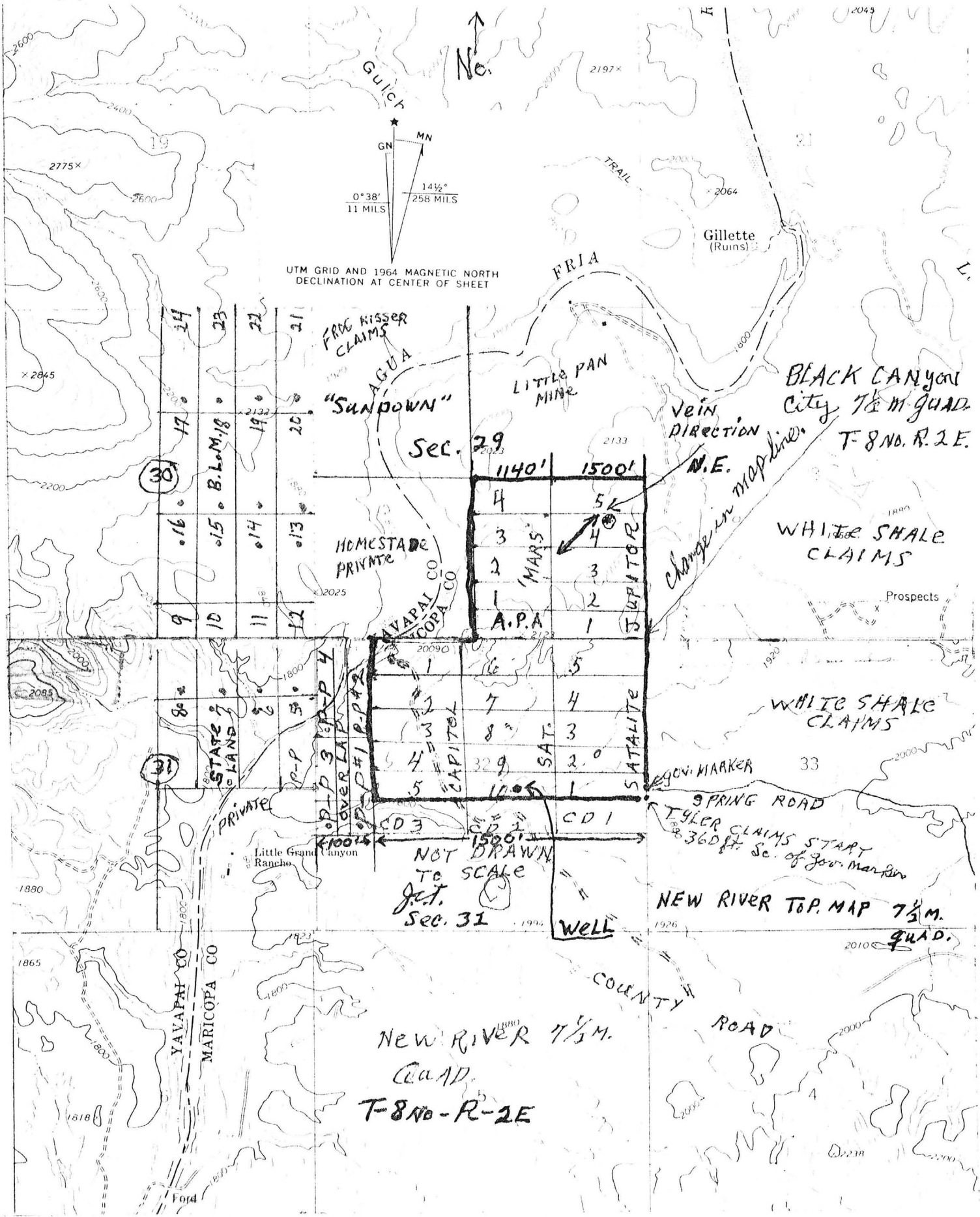
LOCATION: TOWNSHIP 8 N RANGE 2 E SECTION 32 QUARTER NW
LATITUDE: N 33DEG 59MIN 51SEC LONGITUDE: W 112DEG 10MIN 57SEC
TOPO MAP NAME: NEW RIVER - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:
GOLD PLACER

BIBLIOGRAPHY:
AZ MINE INSP. MINE START FILE 1975




No.
Gulch
GN
MN
0°38'
11 MILS
14½°
258 MILS
UTM GRID AND 1964 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET
TRAIL
Gillette
(Ruins)
FRIA
FRIC KISSER CLAIMS
AGUA
"SUNDOWN"
LITTLE PAN MINE
Sec. 29
1140'
1500'
VEIN DIRECTION N.E.
BLACK CANYON City 7½ M. QUAD.
T-8 NO. R. 2E.
WHITE SHALE CLAIMS
HOMESTADE PRIVATE
"MARS"
JUPITOR
Change in map line.
YAVAPAI CO
MARICOPA CO
A.P.A
Prospects
WHITE SHALE CLAIMS
STATE LAND
PRIVATE
OVERLAP #1 R-P 42
CAPITOL
SAT.
SATALITE
GOV. MARKER
33
SPRING ROAD
TYLER CLAIMS START 360 ft. Sc. of Gov. Marker
CD 3
CD 2
CD 1
100'
1500'
NOT DRAWN TO SCALE
Little Grand Canyon Rancho
J.C.T. Sec. 31
WELL
NEW RIVER TOP. MAP 7½ M. QUAD.
COUNTY ROAD
YAVAPAI CO
MARICOPA CO
NEW RIVER 7½ M. QUAD.
T-8 NO - R-2E
Ford

MINERAL SERVICES, INC.
SALT LAKE CITY, UTAH 84107

CONSULTING MINING ENGINEERS
543 South 2165 West
Salt Lake City, Utah 84104

June 24, 1977

Mr. Don Tyler
1825 North 18th Avenue
Phoenix, Arizona 85015

SUBJECT: Reconnaissance trip to holdings north of Phoenix, Arizona.

Dear Mr. Tyler:

This letter is being written to offer some observations while making a reconnaissance trip over your mine holdings north of Phoenix, Arizona.

The examination was made on June 16, 1977. Mr. Milo Lambert and John Tyler acted as guides. Several pertinent points which bear upon the interpretation of the geology were pointed out. They also were very helpful in offering information of past history and orientation of the property.

The rocks in the holdings consist mainly of Chloritic Shist and Amphibolite derived from interbedded shale and sandstone. These rocks are banded with blue-white quartz veins.

On the south end of the holdings Andesite flows and Tuffs are exposed.

The placer deposits are of two types. The bottom of the wash sands can be identified as flood deposits and the upper high bar gravels can be identified as Desert type deposits.

The "flood gold" consists mostly of minute particles so small it requires several colors to have any value. However, it appears the property does have a skim bar. A skim is formed as the stream sweeps around a curve, the water is subject to tangential forces which cause a relative increase in velocity along the outer radius of the curve with a corresponding decrease along the inside radius. The bottom layer of water is retarded by friction and as a result, it has a tendency to flow sideways along the bottom toward the inner bank. This, in turn causes sand and small gravel to accumulate in the form of an accretion bar along the inside bank of the curve and where flood-borne particles of gold are being carried down the stream, some will be deposited near the upper point of such bars. The property does have a text-book example of a skim-bar.

EVALUATION - GEOCHEMICAL SURVEYS - EXPLORATION

Tyler holdings, Phoenix, Arizona (continued):

This is located on the north curve of the river within the Tyler No. 1 claim.

The Desert type deposits lay on both banks of the river. These deposits are formed in arid regions where erosion and transportation of debris depends largely on fast-rising streams that rush down gullies and dry washes following summer cloudbursts. During intervening periods, varying amounts of sand, gravel or side-hill detritus is carried in from the sides by lighter intermittent rain wash which is sufficient to move material into the washes but not carry it further. Under such conditions the movement and concentration of placer gold can be erratic. Therefore, it must be thoroughly tested prior to forming any conclusion as to the average value.

The general trend of the strike and dip of the schists and veins are northerly and southerly with high angle dips that vary considerably in attitude as you traverse westerly on the property.

On the north end of the property several outcrops of plug type quartz and a east west vein are exposed. It is not understood why the attitude has changed. This warrants additional study.

The major fault follows the trend of the river. The upthrown side is on the east with smaller sympathy fractures trending away from the major fault.

It was pointed out that the holdings may be within a Caldera. It is a very pertinant point and surface indications appear to lean favorably towards it being within one. This can only be determined by additional study.

The primary purpose of the visit was to determine if the property warranted additional exploration and to offer recommendations for steps to follow to further develop the property. After reviewing the notes and talking with people acquainted with the geology and the area, the following recommendations are suggested.

1. Determine if enough water can be developed to run a mining operation. The amount of water developed will have a bearing on the feasibility of doing any more exploration.

2. If water is developed grid out the Desert placer with test pits and determine value.

3. Make test pit on skim bar.

Tyler holdings, Phoenix, Arizona (continued):

4. Map the holdings surrounding the placer.

5. The mapping of the lode will act as a guide for further exploration. It would be speculative to project any development beyond the mapping program.

Summarily it can be stated after observing the pannings from the high bar material and the conditions in which the panning was done and still see colors it does warrant testing on the placer.

The lode does require mapping to determine if further exploration is warranted.

The water is the key to any further exploration and if no water is developed it would be difficult to justify any expenditure for exploration.

Sincerely,

MINERAL SERVICES, INC.

E. M. Garrick
President

EMG/bg

GERALD L. KIRWAN, B.Sc., P.E.

CONSULTING GEOLOGICAL ENGINEER

Gary Kirwan
12640 North 70th Street
Scottsdale, AZ 85254
(602) 991-0836

CONSULTING
EXPLORATION
ENGINEERING

GOLD SILVER PROPERTY

NEW RIVER AREA

ARIZONA

AUGUST 17, 1980

SALIENT FEATURES, GOLD-SILVER PROPERTY, NEW RIVER AREA, ARIZONA

1. PROPERTY CONTAINS MILLIONS OF TONS OF PLACER MATERIAL WITH SPORADIC RESEARCH TO DATE SHOWING CONSIDERABLE AMOUNTS OF FREE GOLD MATERIAL. GOLD-SILVER-PLATINATE METALS ALSO HAVE BEEN SHOWN TO OCCUR IN CONCENTRATES OF THE PLACER MATERIAL AS WELL AS BLACK SANDS DERIVED THEREFROM.

2. FURTHER POTENTIAL EXISTS FOR HEAVY CONCENTRATIONS OF PRECIOUS METALS IN AN AREA OF 50 FT. BELOW A LAVA TONGUE 30 FT. BELOW SURFACE UNDER AN AREA OF SUBSTANTIAL PLACER TONNAGES.

3. GOLD-SILVER MATERIAL HAS BEEN SUBSTANTIATED BY ASSAY DETERMINATIONS TO EXIST IN A NUMBER OF LODE OCCURRENCES ON THE PROPERTY.

4. EASY ACCESS, CLOSE VICINITY TO COMMODITIES-LABOR MARKET AND EASY TRANSPORTATION CHARACTERIZE THE PROPERTY.

5. CLIMATIC CONDITIONS SUPPORT A YEAR AROUND OPERATION.

6. WATER FROM AGUA FRIA RIVER AS WELL AS A DRILL HOLE ON THE PROPERTY ARE REQUIREMENTS FOR A SUCCESSFUL MINING OPERATION.

7. PRODUCTS FROM MINEABLE SITUATION, GOLD AND SILVER, ENJOY WORLDWIDE STABLE MARKET.

8. NEARBY SOURCE OF TAPABLE ELECTRICITY TO OPERATE EQUIPMENT AND SUPPORT LIVING CONDITIONS.

10. MINING-PROCESSING IS AMENABLE TO INEXPENSIVE OPEN PIT TECHNIQUES WITH FRONT END LOADER AND MECHANICAL FACILITIES.

11. GOLD-SILVER ARE INDICATED FROM SURFACE DOWNWARDS: NO WASTE GRAVEL TO REMOVE ENHANCING PROFIT POTENTIAL.

12. BLM GROUND ELIMINATES 5% ROYALTY NORMALLY PAID TO STATE LANDS ON PRODUCTION.

13. SMELTERS, REFINERIES, END USERS FOR PRECIOUS METALS LOCATED LOCALLY IN GREATER PHOENIX.

MINERAL CLAIMS, IS MORE PRECISELY DESCRIBED AS FOLLOWS: CD,1,2, AND 3, SATELLITE GROUP OR TYLER 1-10, JUPITER 1-5, MARS 1-4, APA 1, CAPITOL 1-5, AND MARY 1, ALL LOCATED IN MARICOPA COUNTY, T8N, R2E, NEW RIVER AND BLACK CANYON CITY QUADRANGLES, SECTIONS 29 AND 32, TIP TOP MINING DISTRICT, CENTRAL ARIZONA.

LOCATED 38 MILES NORTH FROM DOWNTOWN PHOENIX, ACCESS IS BEST ACHIEVED BY INTERSTATE FREEWAY I-17 IMMEDIATELY PAST THE SETTLEMENT OF NEW RIVER AT MILE 232 RAMPING OFF AT TABLE MESA ROAD AND PROCEEDING 4.1 MILES WESTWARD TOWARDS THE AGUA FRIA RIVER DIRECTLY ONTO THE SUBJECT CLAIM HOLDINGS OVER EXCELLENT SECONDARY ROADS.

TOPOGRAPHIC RELIEF IS IN THE ORDER OF ABOUT 100 FT. AND THE PROPERTY IS CHARACTERIZED BY ROLLING HILLS CONTAINING MOSTLY GRAVEL WITH SOME ROCK OUTCROP. NUMEROUS JEEP ROADS CRISS-CROSSING THE CLAIMS ALLOW FOR EASY ACCESS TO MOST PARTS.

GEOLOGY: SOURCE AND ENRICHMENT CONTROLS:

RESEARCH INTO GOVERNMENT PUBLISHED REPORTS AND MAPS ALONG WITH STUDY OF THE PROPERTY AND VICINITY SHOWS GRAVELS UNDERLYING THE GOLD-SILVER PROPERTY TO BE ALLUVIAL AND LACUSTRINE DEPOSITS OF PLIOCENE AND LIKELY RECENT AGE.

A NOTED FAULT ZONE FOLLOWS ALONG THE BED OF THE AGUA FRIA RIVER

SUCH THAT EASTWARD IS THE UPTHROWN SIDE WITH DISPLACEMENT OF ABOUT 100 VERTICAL FEET, AND THE ANCIENT PRECAMBRIAN VOLCANIC LAVA BEDS OF THE YAVAPAI SERIES HAS THUS BEEN ERODED ON THE CLAIM GROUP TO SOME DEGREE.

ANDESITIC FLOWS AND TUFFS CHARACTERIZE THE SOUTH PORTION OF THE CLAIM GROUP WHILE OUTCROPS OF CHLORITIC AND MICA SCHISTS ARE NOTED ELSEWHERE ALONG WITH AMPHIBOLITE. QUARTZ VEINS, SHEARS, AND MINOR FAULTS CHARACTERIZE THE PROPERTY.

THE AGUA FRIA RIVER IMMEDIATELY NORTH OF THE PROPERTY UNDERGOES A NUMBER OF SHARP TURNS WHICH GIVES RISE TO MECHANICAL CONCENTRATION OF GOLD MATERIAL DUE TO SLIP OFF SLOPES WHERE WATER TRAVELS SLOWER DEPOSITING HEAVY MATERIAL AS GOLD-SILVER. SLIP OFF SLOPES ON THE PROPERTY OCCUR ON THE WEST PORTION OF THE CAPITOL #1 CLAIM AND ADJACENT MARY CLAIM. LARGER BOULDERS SIGNIFY THIS OCCURRENCE. PARTICLES OF GOLD AND SILVER ALONG WITH PLATINATE GROUP METALS, DERIVED THROUGH YEARS OF WEATHERING OF UPSTREAM ROCKS RELATIVELY RICH IN THESE METALS, CARRIED BY THE FORMER FAST-FLOWING AGUA FRIA RIVER TO THE PRESENT LOCATIONS, HAVE BEEN DEPOSITED IN SLIP OFF SLOPE GRAVELS WHERE THE RIVER HAS SLOWED THUS ENRICHING THE PLACER MATERIAL WITH THESE PRECIOUS METALS. FURTHER, AS THE FLOW OF THE RIVER DECREASES AND THE OPPOSITE UNDERCUT BANK MIGRATES FURTHER AWAY, THE SLIP OFF PORTION BECOMES LATERALLY LARGER INDICATING LARGER TONNAGES OF PRECIOUS METALS GRAVELS. LARGER AND MORE ABUNDANT GOLD-SILVER

PARTICLES WOULD OCCUR AT DEPTH DUE TO THE LARGER VOLUMED RIVER IN THE PAST. THIS HAS BEEN PROVEN TO THIS WRITER IN HIS WORK ON PROPERTY ADJACENT TO THE SUBJECT PROPERTY TO THE NORTH ON THE LITTLE PAN HOLDINGS. INDICATED TONNAGES TO DEPTH 30 FT. SURFACE ARE SOME ONE MILLION TONS ON CAPITAL AND MARY CLAIMS.

DESERT TYPES OR HIGH BAR ALLUVIUM PLACER DEPOSIT CHARACTERIZES SUBJECT CLAIM GROUP IN A NUMBER OF LOCATIONS. THIS TYPE OF DEPOSIT IS FORMED IN ARID REGIONS SUBJECT TO CLOWDBURSTS AND FAST RUNOFFS RESULTING IN CONCENTRATION OF HEAVY MATERIAL AS GOLD-SILVER. AREA IN CLAIMS MARS 1-4 SHOULD BE EXAMINED ON THIS ACCOUNT, AND ESTIMATED TONNAGES TO 30 FT. DEPTH IS 3.3 MILLIONS TONS. IT IT NOTEWORTHY THAT THIS TYPE OF DEPOSIT IS THAT WHICH UNDERLIES THE ADJACENT LITTLE PAN CLAIMS WHERE THIS WRITER CONFIRMED HIGH TONNAGES WITH AVARAGE VALUES OF 1/10 TO 1/4 OUNCES FREE GOLD PER YARD, PLUS AN EQUAL AMOUNT OF GOLD AFTER CONCENTRATING THE HEAVY FRACTION. NOTABLY ASSOCIATED WITH BLACK SAND PORTIONS.

A SKIM BAR IS NOTED TO OCCUR IN CLAIM CAPITOL 1 ATOP LAVA FLOWS LOCATED SOME 25 FT. HIGHER ELEVATION THAN PRESENT RIVER HEIGHT, AND WAS CREATED FROM A MUCH HIGHER RIVER IN YEARS PAST AS A SUBSEQUENCE TO A SLIP OFF SLOPE. A NUMBER OF EAST-WEST TRENCHES WERE PLACED IN THIS BAR HAVING LITTLE GRAVEL MATERIAL, SAMPLED, CONCENTRATED, AND ASSAYED. IT IS NOTED THAT A 70 TON SAMPLE CONCENTRATED TO ONE TON ORE WOULD ASSAY 5.24 OUNCES GOLD PER TON OF CON AND 4.56 OUNCES SILVER FOR TOTAL METAL VALUE AT TODAY'S

PRICES OF $3,212. (See attached assay sheet) FURTHER, BLACK SANDS DERIVED FROM THE SAME SAMPLE ASSAYED AN ADDITIONAL 3.77 OUNCES GOLD PER TON OF BLACKS AND 2.90 OUNCES SILVER. THIS WRITER DOES NOT KNOW WHAT PERCENTAGE BLACKS OCCUR TO BANK RUN BAR SAND. (See attached assay sheet) ESTIMATED COST TO PROCESS BAR SANDS WOULD BE MAXIMUM $15/TON. SEVENTY TONS WOULD THEN COST $1050 LEAVING NET OPERATING PROFIT AS $2,162, NOT COUNTING CONTRIBUTION OF PRECIOUS METALS FROM BLACK SANDS. IN THE ESTIMATED 200,000 TONS AVAILABLE IN THIS BAR, A PROFIT OF SOME $3 MILLIONS SHOULD BE REALIZED. FURTHER, DEPOSITS OF THIS NATURE NORMALLY BECOME RICHER WITH DEPTH ADDING TO POTENTIAL PROFIT.

INDUCED POLARIZATION SURVEY HAS INDICATED ON THE PROPERTY THAT ALLUVIUM OR PLACER OCCURS FROM GROUND LEVEL TO 30 FT. DEEP WHERE A 15 - 25 FT. HORIZONTAL LAVA SHEET OCCURS. BELOW THIS IS STILL ANOTHER 50 FT. INDICATED UNCONSOLIDATED PLACER MATERIAL. DUE TO DEPTH, GOLD-SILVER POTENTIAL OF THIS LOWER HORIZON IS GREATLY ENHANCED, AND A SIMPLE CHURN HOLE PLACED TO THIS DEPTH MAY PROVE CONSIDERABLE VALUES IN PRECIOUS METALS, MUCH MORE THAN NEAR SURFACE MATERIAL.

RELATIVE TO CONSOLIDATED LODE MATERIAL, A SMALL TRENCH WAS PLACED IN GNEISSIC MICA MATERIAL SHOT WITH QUARTZ AND SOME RED IRON OXIDE MATERIAL IN CLAIM SATELLITE 8. SAMPLE TAKEN OVER 10 FT. ACROSS STRUCTURE ASSAYED 31.21 OUNCES SILVER/TON FOR VALUE OF $468/TON. GOLD WAS NOT DETERMINED. THIS STRUCTURE

PERSISTS FOR A NUMBER OF HUNDREDS OF FEET AND SHOULD BE THE SUBJECT OF EXPLORATORY WORK FOR GOLD-SILVER.

EXTENDING FROM 3 FT. TO UNKNOWN DEPTH BELOW A FLAT-LYING LAVA FLOW IN CLAIM CD 2, IS A PINK HORIZON CARRYING FREE GOLD WITH CHROME ALL IN VISIBLE AMOUNTS, ACCORDING TO VERBAL REPORTS FROM OWNER, MR. JOHN TYLER WHO CLAIMS HE PLACED A SMALL DRILL HOLE IN THIS LOCATION. THE PINK ZONE IS NOW EXPOSED IN PART BY STREAM EROSION, AND SHOULD BE EXAMINED THROUGH SAMPLING-ASSAYING.

A PROMINENT QUARTZ VEIN STRIKING N. 25° E OCCURS IN CLAIM CAPITOL 1, EAST END, AND CAN BE TRACED FOR SOME CONSIDERABLE DISTANCE, SHOULD BE EXAMINED THROUGH TRENCHING-SAMPLING-ASSAYING TO DETERMINE GOLD-SILVER POTENTIAL.

IN THE WEST END PORTION OF SATELLITE 6, IS A 10 FT. TROUGH PLACED ACROSS A GNEISSIC ALTERED IRON OXIDE FORMATION FOR 10 FT. REPORTEDLY THIS STRUCTURE SHOWED FREE GOLD AND PLATINATES UNDER THE VERY HIGH POWER GLASS. THIS STRUCTURE PERSISTS FOR SOME CONSIDERABLE DISTANCE IN BOTH DIRECTIONS ALONG STRIKE, AND SHOULD BE EXAMINED FOR GOLD-SILVER-PLATINATE GROUP METALS. QUARTZ VEINS CROSSING THIS STRUCTURE SOME 100 FT. NORTH OF EXPOSURE SHOULD ALSO BE EXAMINED FOR PRECIOUS METALS.

EXPOSED BELOW SKIM BAR IN CLAIM CAPITOL 1, IS A VERTICAL ZONE OF ALTERED MATERIAL PARALLEL TO WHICH REPORTEDLY THE SPANISH

EXCAVATED FROM A WESTERN FACE. SINCE THIS 3 FT. WIDE ZONE COULD EASILY CARRY ECONOMIC AMOUNTS OF PRECIOUS METALS, SAMPLING SHOULD BE PERFORMED ON THIS FACE EXPOSURE FOR ASSAYING.

ECONOMIC CONSIDERATIONS:

SITUATED IN CLOSE PROXIMITY TO A MAJOR POPULATION CENTER, SOURCE OF LABOR AND COMMODITY, WITH EXCEPTIONALLY EASY ACCESS, ENHANCED WITH CLIMATE ALLOWING YEAR AROUND MINING, THE SUBJECT GOLD-SILVER HOLDINGS ARE INDICATED AS HAVING CONSIDERABLE AMOUNTS OF BOTH PLACER AND LODE PRECIOUS METALS OF EXCELLENT GRADE AND ECONOMICS ARE SUSTAINED BY STABLE AND DEMANDING MARKETS OF BOTH GOLD AND SILVER, WORLDWIDE.

AS EACH MINING OPERATION DEMANDS CERTAIN AMOUNTS OF WATER IN THE MILLING PROCESS, THE AGUA FRIA SUPPLIES THIS DEAMND QUITE WELL WITH ITS YEAR AROUND FLOW. FURTHER, IN THE CENTRAL SOUTHERN PORTION OF THE PROPERTY IS A CASED WELL TO 215 FT. VERTICAL THAT PRODUCES MINIMUM 60 GALLONS OF WATER PER MINUTE, SUFFICIENT TO SUSTAIN A GOOD SIZED MINING OPERATION.

TAPABLE ELECTRIC ENERGY OCCURS SOME 1,500 FT. SOUTH OF PROPERTY AND I AM INFORMED APS WOULD ABSORB COSTS OF FIRST 1,000 FT. OF POWERLINE TO PROPERTY.

AS CLAIMS ARE LOCATED ON BLM LAND, THE NORMAL 5% ROYALTY

NORMALLY PAYABLE FROM PRODUCTION TO STATE LAND IS NOT APPLICABLE THUS INCREASING PROFITS.

ON PLACER DEPOSITS, INEXPENSIVE OPEN PIT METHODS APPLY. NO WASTE OVERBURDEN EXISTS ON SURFACE TO REMOVE, GOLD-SILVER OCCURRING IN GRAVELS FROM GROUND LEVEL DOWNWARDS. GOLD APPEARS IN PLACERS AS FREE VISIBLE PARTICLES IN APPARENTLY ECONOMIC PROPORTIONS, WHILE FROM THESE TAILINGS CONCENTRATES CAN BE PRODUCED TO FURTHER ENHANCE PROFITS FROM GOLD-SILVER CONTAINED THEREIN. BLACK SANDS FROM THE ORE ARE SHOWN TO CARRY PRECIOUS METALS.

CONCLUSIONS AND RECOMMENDATIONS:

OF PRIME MINING IMPORTANCE ON THE SUBJECT NEW RIVER AREA GOLD-SILVER PROPERTY ARE ZONES OF ENRICHED PLACER INDICATED BY RESEARCH TO DATE TO CARRY CONSIDERABLE AMOUNTS OF PRECIOUS METALS.

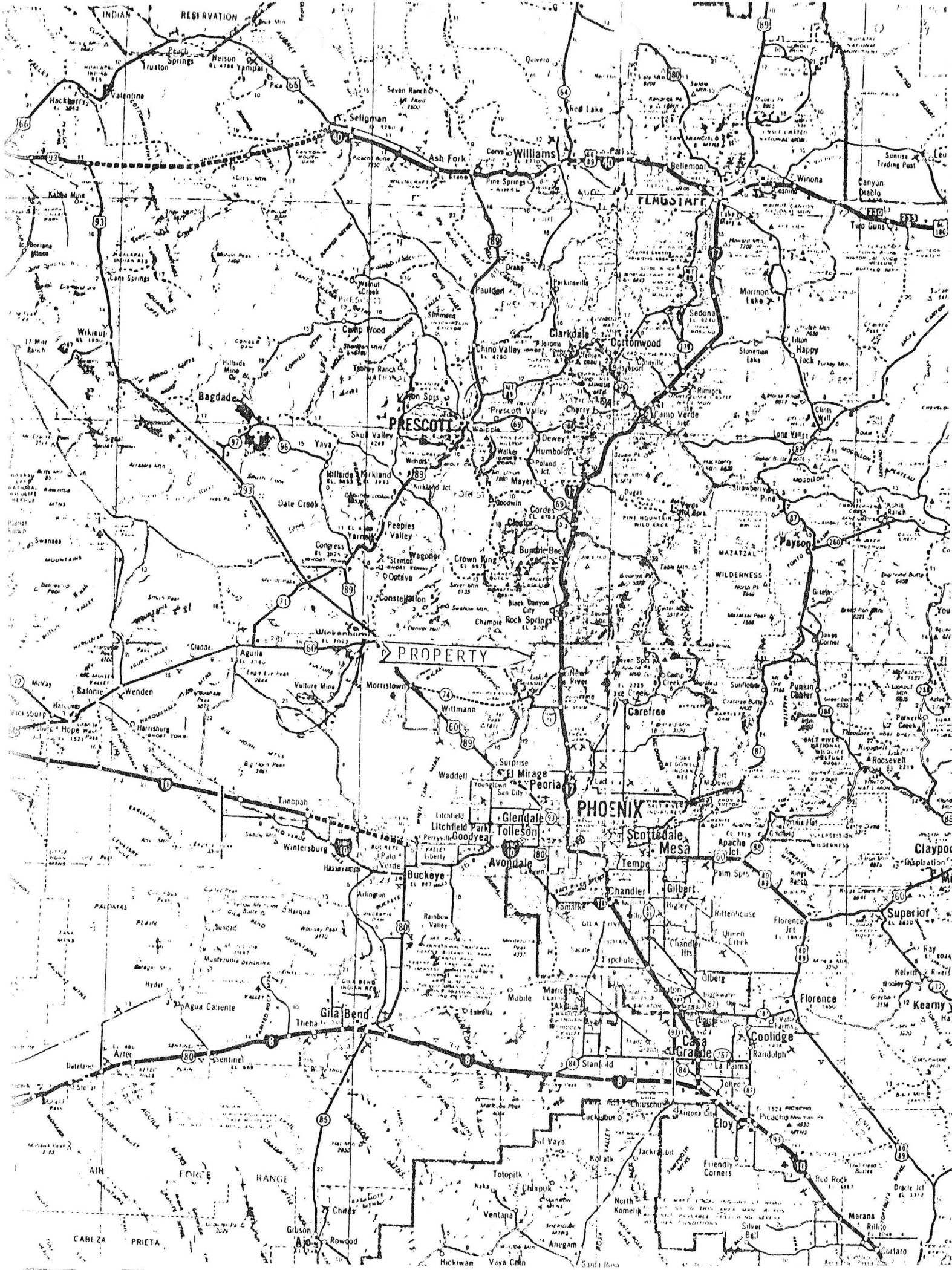
LOCATED ON THE WESTERN PORTION OF CLAIM CAPITOL 1, IS A TONNAGE OF SOME 200,000 TONS FROM WHICH EACH 70 TONS CONCENTRATED TO A SINGLE TON YIELDS 5.24 OUNCES GOLD AND 4.56 OUNCES SILVER PER TON FOR A VALUE OF $3212, WHILE COST TO PRODUCE THIS CONCENTRATE SHOULD NOT EXCEED $1050 RESULTING IN A NET OPERATING PROFIT OF $2,162, OR SOME $3 MILLIONS FOR TONNAGE INDICATED. FURTHER CONTRIBUTION IS FROM BLACK SAND MATERIAL FROM THIS SKIM BAR.

CLAIMS MARS 1-4 ARE INDICATED AS CONTAINING SOME 3.3 MILLIONS OF TONS OF IDENTICAL MATERIAL LOCATED ON ADJACENT LITTLE PAN CLAIMS TO NORTH WHERE GRADES ARE 1/10 TO 1/4 OUNCES GOLD PER CUBIC YARD, FREE MATERIAL, WHILE FURTHER CONTRIBUTIONS ARE FROM HEAVY FRACTION CONCENTRATE, NON VISIBLE GOLD-SILVER WITH PLATINATES. GEOPHYSICAL RESULTS INDICATE THAT BELOW 30 FT. LEDGE OR FALSE BOTTOM, BEING 15-25 FT. IN HORIZONTAL WIDTH, A THIN LAVA FLOW, ARE 50 FT. OF UNCONSOLIDATED MATERIAL WHICH COULD RUN EXCEPTIONALLY HIGH IN PRECIOUS METALS DUE TO THIS PLACER'S LOWER ELEVATION.

A THIRD AREA OF PLACER EXISTS IN THE EXTREME WEST PORTION OF CAPITOL 1 AND MARY CLAIMS AS SLIP OFF SLOPE MATERIAL AMOUNTING TO AN ESTIMATED ONE MILLION TONS. THIS ZONE IS SPECULATIVE RESULTS OF ANY WORK ARE UNKNOWN.

SPECIFIC LODE PORTIONS OF CERTAIN CLAIMS HAVE MINING MERIT. A 10 FT. WIDE TRENCHED ZONE IN CLAIM SATELLITE 8 ASSAYED 31.21 OUNCES SILVER PER TON, EXTENDS SOME FEW HUNDREDS OF FEET, AND SHOULD BE FURTHER EXAMINED, WHILE FURTHER SAMPLING-ASSAYING SHOULD ALSO BE PERFORMED IN CLAIM SATELLITE 6 WHERE A TEN FOOT TRENCH SHOWED VISIBLE GOLD AND PLATINATES UNDER LENS POWER. THIS ZONE ALSO EXTENDS SOME FEW HUNDREDS OF FEET AND INTERSECTS QUARTZ VEINS WHICH SIMILARLY SHOULD BE SAMPLED-ASSAYED.

OTHER AREAS OF LODE INCLUDE CLAIM CD 2 WHERE EXPOSED PINK LAVA APPEARS TO RUN FREE GOLD WITH CHROME, A QUARTZ VEIN IN CAPITOL I


INDIAN RESERVATION
Truxton
Peach Springs
Nelson
Yampai
Valentine
Hackberry
Seligman
Ash Fork
Williams
Bellemont
Winona
Canyon Diablo
Two Guns
FLAGSTAFF
Kaibab Mine
Bonanza
Cane Springs
Walnut Creek
Paulden
Drake
Perkinsville
Mormon Lake
Sedona
Wikieup
Camp Wood
Clarkdale
Cottonwood
Chino Valley
Stoneman Lake
Happy Jack
Hillside Mine
Tooley Ranch
Bagdad
Iron Springs
Prescott Valley
Cherry
Rimrock
Camp Verde
Clints Well
PRESCOTT
Skull Valley
Yava
Dewey
Humboldt
Long Valley
Hillside
Kirkland
Mayer
Kirkland Jct
Date Creek
Cordes
Cleator
Strawberry
Pine
Peeples Valley
Yarnell
Congress
Stanton
Wagoner
Crown King
Bumble Bee
Payson
MAZATZAL WILDERNESS
Octave
Constellation
Black Canyon City
Champie
Rock Springs
Wickenburg
Gladden
Aguila
PROPERTY
Vulture Mine
Morristown
New River
Carefree
Punkin Center
Salome
Wenden
McVay
Hope
Harrisburg
Wittmann
Sunflower
Roosevelt
Surprise
El Mirage
Waddell
Peoria
Youngtown
Sun City
PHOENIX
Tonopah
Litchfield Park
Glendale
Tolleson
Goodyear
Scottsdale
Mesa
Apache Jct.
Claypool
Wintersburg
Palo Verde
Avondale
Tempe
Hassayampa
Buckeye
Chandler
Gilbert
Superior
Arlington
Komatke
Higley
Kittenhouse
Florence Jct
Harquahala
Rainbow Valley
Queen Creek
Chandler Hts
Kelvin
Ray
Kearny
Hyder
Montezuma
Olberg
Agua Caliente
Mobile
Maricopa
Florence
Gila Bend
Theba
Estrella
Casa Grande
Coolidge
Randolph
Aztec
Sentinel
Dateland
Stanfield
La Palma
Toltec
Chuichu
Picacho
Eloy
Cuckburn
Sif Vaya
Kohatk
Jackrabbit
Friendly Corners
Red Rock
Totopitk
Chiapuk
North Komelik
Ventana
Marana
Rillito
Silver Bell
Curtaro
Chiles
Gibson
Ajo
Rowood
Anegam
Hickiwan
Vaya Chin
Santa Rosa
AIR FORCE RANGE
CABEZA PRIETA
PALOMAS PLAIN
MOUNTAINS

EAST END, AND LODE BELOW SKIM BAR ALSO IN CAPITAL 1, SHOULD RECEIVE EXPLORATORY ATTENTION.

AS IT IS PROBABLE THAT THE CLAIM GROUP CONTAINS NUMEROUS OTHER AREAS OF MINE-MAKING INTEREST, IT IS STRONGLY RECOMMENDED THAT DETAILED GEOLOGICAL MAPPING UNDER A GOOD GEOLOGIST WITH GOOD GEOGRAPHIC CONTROL BE PERFORMED ON ALL CLAIMS.

ESTIMATED COST OF CONFIRMATORY EXPLORATION TO ASCERTAIN VALUES QUOTED HEREIN SHOULD NOT EXCEED $5,000, ALL-INCLUSIVE. ONCE PROVEN POSITIVE, FURTHER WORK WOULD TAKE THE PLACE OF DETERMINING SIZE AND GRADE OF EACH GOLD-SILVER ZONE AND MORE SERIOUS FUNDING SHOULD THEN BE ALLOCATED FOR THIS FOLLOW-UP WORK WITH A VIEW TO CONCENTRATING ON ONE PARTICULAR AREA OF SIGNIFICANCE FOR EARLY PRODUCTION OF PRECIOUS METALS.

REGISTERED PROFESSIONAL ENGINEER
G. L. KIRWAN
PROVINCE OF ONTARIO

GERRY KIRWAN

AUGUST 17, 1980

C E R T I F I C A T E

I HEREBY CERTIFY AS TO THE FOLLOWING:

1. THAT I AM A CONSULTING GEOLOGICAL ENGINEER HAVING BEEN GRADUATED FROM CARLETON UNIVERSITY, B.Sc., 1957, AND THAT I HAVE PRACTISED MY PROFESSION CONTINUOUSLY.

2. THAT I HAVE RECEIVED PROFESSIONAL KNOWLEDGE AND EXPERIENCE WITH UNITED STATES STEEL CORP., NEWMONT MINES CORP., BRITISH PETROLEUM CORP., AND NORANDA MINES LTD., IN BASE AND PRECIOUS METALS, ALL ALONG WITH 20 YEARS AS AN INDEPENDANT EXPLORATION-DEVELOPMENT-MINING CONSULTANT.

3. THAT SUBJECT REPORT IS BASED UPON FIELD EXAMINATION OF PROPERTY NOTED HEREIN AUGUST 15, 1980, IN ACCOMPANY WITH OWNER MR. JOHN TYLER, AND MR. FRED BABINEAU, AND REPORTS AND DOCUMENTS RELATIVE TO THIS PROPERTY AS WELL AS A GOOD WORKING KNOWLEDGE OF THE IMMEDIATE AREA FROM PREVIOUS CONSULTING ON ADJACENT PROPERTY, LITTLE PAN MINE.

4. THAT THIS REPORT IS A PRIVATE REPORT PREPARED AS A NORMAL SEQUENCE OF EVALUATION OF A POTENTIAL MINING OPERATION, AND SHOULD NOT BE CONSTRUED AS A MEANS OF FUND RAISING.

DATED AT SCOTTSDALE, ARIZONA, THIS 17TH DAY OF AUGUST, 1980

REGISTERED PROFESSIONAL ENGINEER
G. L. KIRWAN
PROVINCE OF ONTARIO

GERRY KIRWAN

ANALYTICAL REPORT

TRO-ANALYSIS_____ SPECTRO-CHEMICAL _____ WET ANALYSIS _____ SPECIFIC GRAVITY _____

ASSAY_____ ATOMIC ABSORPTION _____ PROCESS EXTRACTION RESEARCH _____ PROCESS AMALGAM _____

Sample submitted by: Don Tyler DATE 10-19-76

3125 N. 18th Avenue Phoenix Arizona 85015

Sample description: Western Resources concentrate made by C&W Manufacturing

PRECIOUS METALS - BUYING PROGRAM:

	Method A (wet)	Method B (wet)	Fire Assay
Silver	4.56 oz. p/t	5.02 oz. p/t	2.11 oz. p/t
Gold	5.24 oz. p/t	6.19 oz. p/t	3.38 oz. p/t

Platinum group metals not determined - see enclosed sheet.

Spectrograph reports must be given in a range rather than an exact figure. However, the particular model spectrograph which OTL uses, is superior in that it detects metals that could be overlooked by other methods of determination. It is especially suited to the trace and near trace elements.

The above figures are not necessarily indicative of the values obtainable by conventional extraction methods. All quantities shown in 'ounces per ton'

Most samples containing the platinum group metals are of a 'complex' nature. In the make-up of these 'complexes' are many 'unstables' that tend to outweigh the 'stable' portion and act to suppress, or even prevent, the extraction of the 'stables'. OTL has been successful in overcoming this problem. We have established what we believe to be all the required basic production processes for the extraction of the precious metals from domestic ores.

OTL is equipped to perform the research needed to establish the feasibility and adaptability of ores to the OTL RECOVERY METHODS.

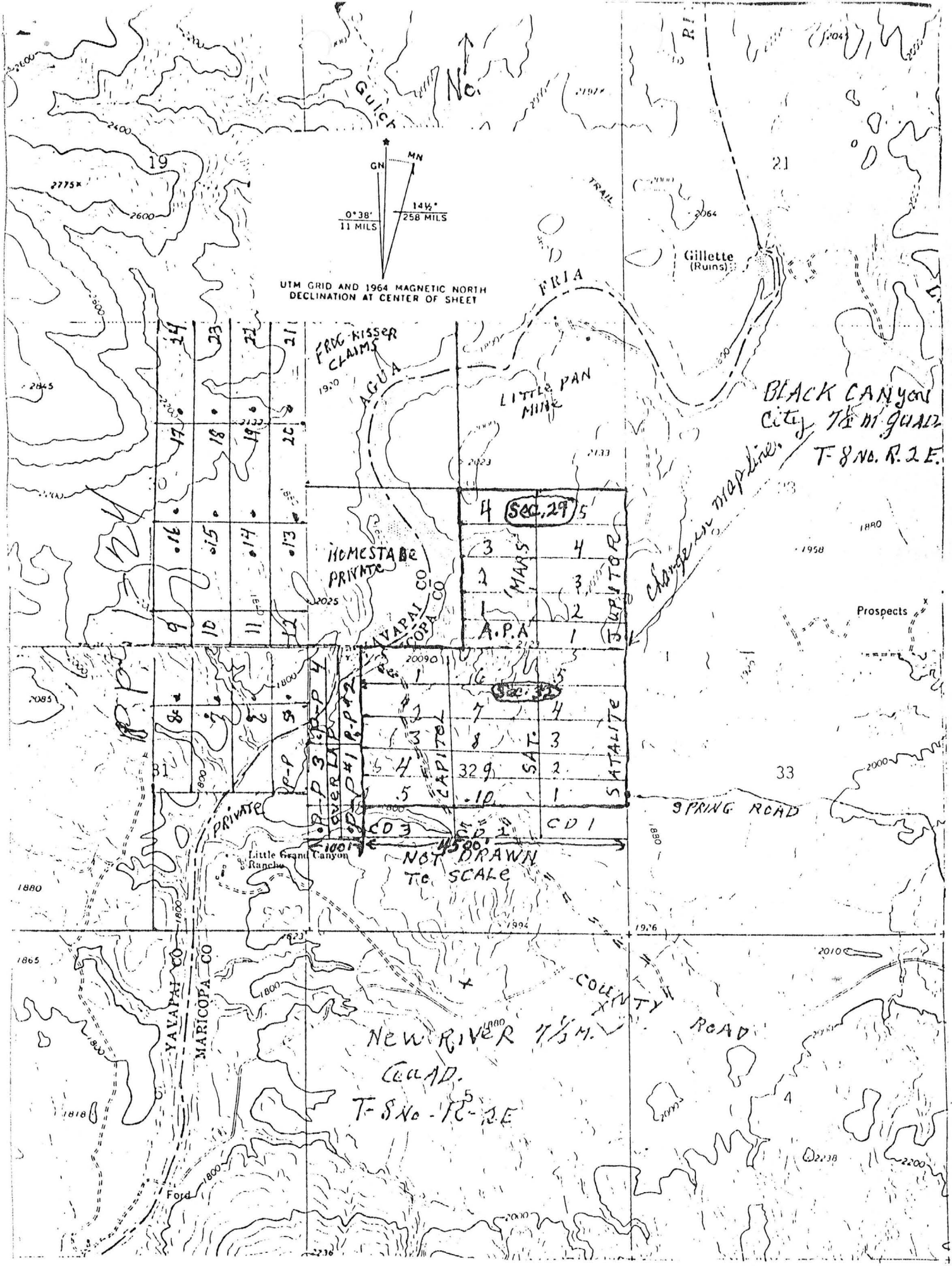
TEST FEE $20.00 PD.

V. L. Seaman

ORE-TECH LABORATORIES, Incorporated

P.O. 21695, PHOENIX, ARIZONA 85036 (602) 254-8196

METAL ORES · PROCESS RESEARCH AND DEVELOPMENT · PRODUCTION EXTRACTION PROCESSES


No.
GN
MN
0°38'
11 MILS
14½°
258 MILS
UTM GRID AND 1964 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET
Gillette
(Ruins)
FRIA
TRAIL
FROG KISSER
CLAIMS
AGUA
LITTLE PAN
MINE
BLACK CANYON
City 7½' QUAD
T-8 No. R. 2 E.
Sec. 29
HOMESTAKE
PRIVATE
MARS
JUPITER
A.P.A
YAVAPAI CO
MARICOPA CO
Prospects
Sec. 32
SAT.
SATALITE
CAPITOL
PRIVATE
Little Grand Canyon
Ranche
NOT DRAWN
TO SCALE
SPRING ROAD
COUNTY ROAD
NEW RIVER 7½' M.
QUAD.
T-8 No. R-2 E
Ford

John Tyler's son

Sample submitted by Don Tyler Sample No. WR C&W cons

CONCERNING YOUR BLACK SAND SAMPLE

Concentrate from Placer bank - approx. 6 million yds.

FREE' GOLD (native):

Our primary interest, in black sands, is the values contained in the 'complex' portion rather than just the 'free' gold per se. Gold, whether from the 'complex' or 'free' is the economic setter for every black sand with few exceptions (iridium being the only exception). We have never found a black sand, of the type we are seeking, that did not contain some 'free' gold.

It is your prerogative to remove any, or all, 'free' gold, if you wish. However, our minimum requirements are based on a total value per ton of sand, and the removal of all 'free' gold could lower your values below our minimum.

The majority of black sand producers agree that 20 mesh is a good cut-off point, keeping any 'free' gold that is 'plus' 20 mesh, and leaving the minus fraction in the sand they offer for sale.

PRESENTLY WE ARE BUYING SANDS WITH 5 OUNCES OF GOLD ('free' & 'complex'), OR MORE, PER TON OR $1000.00 TOTAL EXTRACTABLE PRECIOUS METALS.
(sorry, but we cannot quote 'flat-rate' prices for sands not analyzed)

MESH SCREENING:

Your sample contained approx. -- oz. 'plus' 20 mesh free gold.

GNETIC FRACTION:

Our research has indicated that the magnetic fraction is of little, or no, value with our processes. Removing the magnetics is comparatively easy & inexpensive, and could result in the upgrading of your material to meet our minimum requirements. Your sample contained 51.0% magnetics.

ATINUM METALS:

It is not uncommon to find platinum group metals in black sands. However, to find platinum in sands that are completely void of gold is unheard of (you do hear all sorts of fantastic claims). Even sands with a low showing of gold are not likely to have detectable, or sufficient, amounts of platinum metals.

Your report may not show any platinums detected. This does not rule out the possibility of their presence. These metals have very unusual idiosyncrasies and react in an unpredictable manner. In some sands they will show with ease while others may require further analysis. We recommend our 'Proof-of-Extraction'. This analysis deals directly with their individual, inherent, traits (not found in the chemistry book).

TE: Your sample was evaluated as a minus 20 mesh fraction and the magnetics were not removed (magnetics determined but not removed).

TATION: Your ore (does ~~does not~~) meet our PRESENT requirements.

If you can produce a minimum of ? tons of black sand per week AND the values are comparable to this submitted sample, we will offer $710.00 per ton of concentrates. If this figure meets with your approval we would like to meet with you and make a contract to purchase these concentrates on a regular basis.

PLEASE UNDERSTAND THAT WE DO ALL THE TRANSPORTING. WE BUY F.O.B., YOUR SOURCE AND PAY CASH ON THE BARRELL.

$710.00 figure based on 11.0 oz. gold per ton of concentrates like the sample submitted minus the magnetics.

ORE-TECH LABORATORIES, Incorporated

2168 PHOENIX, ARIZONA 85036 (602) 254-4196

ALORES · PROCESS RESEARCH AND DEVELOPMENT · PRODUCTION EXTRACTION PROCESSES

WESTERN
STANDARD
LABORATORIES, INC.

145 North 1600 West (801) 224-2271
Orem, UT 84057

Invoice No. 1179

Submitted By:

Analyzed For: Ag, Au

Results:

Mailed __ Phone __ Call

To:

Date Received: 10-12-76

Date Complete: 10-15-76

Don Tyler

CERTIFICATE of ANALYSIS

Lab #	Customer I.D.	Ag (silver) opt	Au (gold) opt
1349	Clay Sample		0.38 50%
1353	Sand Sample along side of River ½ mile long		5.38
1389	Rock Stringer Vein no. of Well	0.29	n.d.

Remarks:

Approved By: O H Rachman

12 to 1 for assay. $14.00 yd

CHEMTEC CORPORATION

POST OFFICE BOX
HENDERSON, NEVADA 89015
PHONE: (702) 564-5255

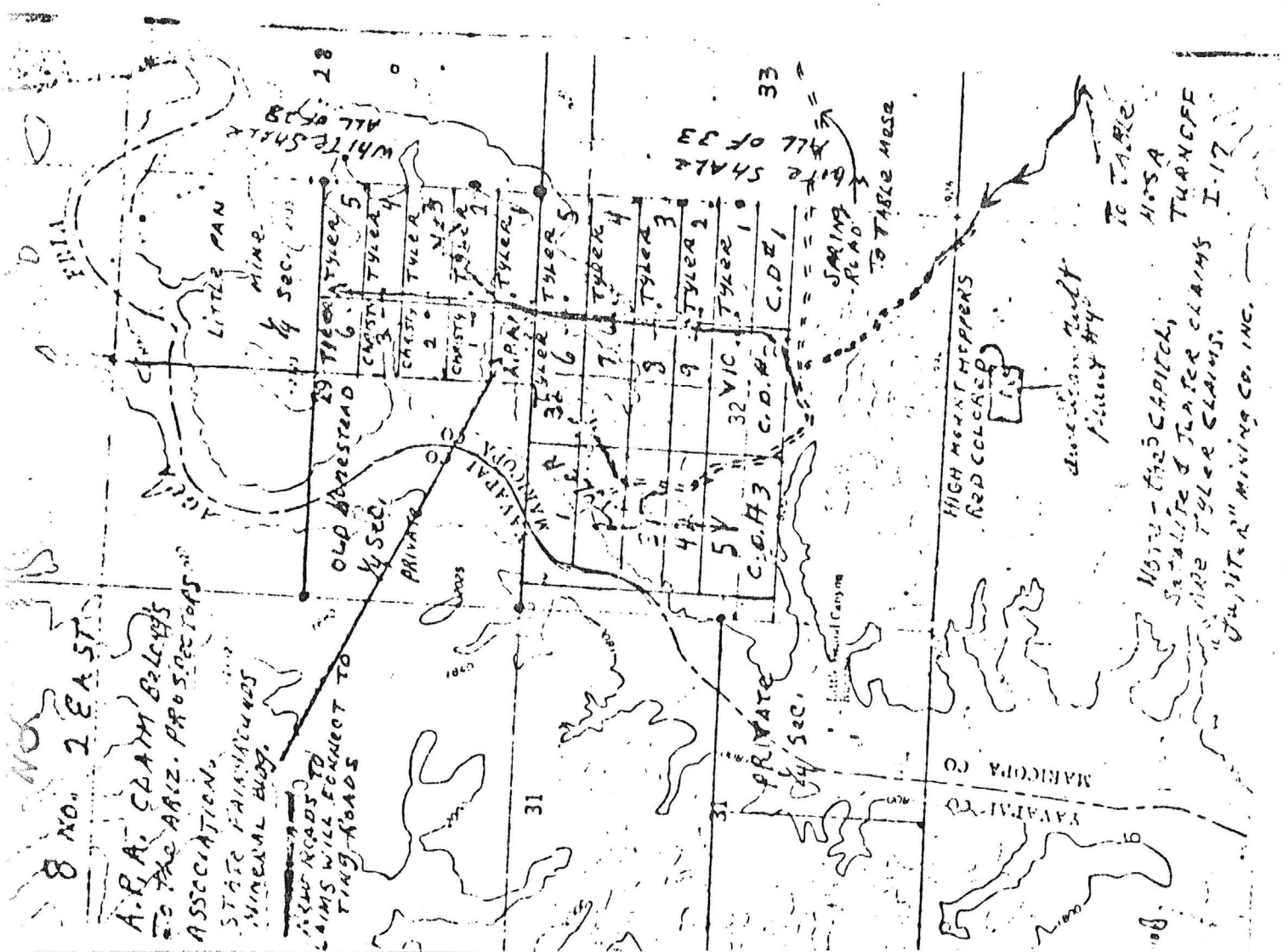
Don Tyler

LOT

DATE November 1 1976

PER 2000 LBS. oz/ton AG	oz/ton AU	oz/ton PT	%	%	%	REMARKS
2.90	3.77	2.94				Black Sands
						Deals with manufacturer
						buy Black Sands
						Earl Davis —

Chief Chemist



IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

ASSAY MADE FOR
ANCA INDUSTRIES
P.O. Box 189
Cave Creek, Ariz. 85331

April 27, 1979

SAMPLE DESCRIPTION	Ref. no.	Gold oz/ton	Silver oz/ton	
Denman Tyler #1 Black sand	94-21-27	.652	0.26	Clay Bank (Placer)
" " #2 Silver vein	94-21-18	Tr	Tr	
" " #3 Aqua Fria	94-21-19	Nil	0.10	top center of River
" " #4 quartz	94-21-20	Nil	Nil	Stringer Vein (top of High hill)

Walter Stauffer
Stauffer 4/27/79

29

WB

WB 3/9

GEORESEARCH LABORATORIES, INC.
35 South 9th West
Salt Lake City, Utah 84104

To: Tyler Mining Co.

Date: Sept. 12, 1977

Page 1 of 1

(Well drillings)
ASSAYED ALL THE WAY DOWN

Determination / Sample no	ppm Au	oz/ton Au		ppm Ag	oz/ton Ag					
#1 6'	.16	.005		.7	.021					
#1 10'	.18	.005		.5	.015					
#1 24'	.22	.006		.7	.021					
#1 30'	.27	.008		.5	.015					
#1 40'	.37	.011		.5	.015					
#1 50'	.37	.011		.7	.021					
#1 60'	.33	.010		3.2	.094					
#1 75'	.25	.007		2.1	.062					
#1 100'	.21	.006		.6	.02					
#1 125 (85)	.31	.009		.5	.015					
#1 150-160	.28	.008		.5	.015					
150-4 mo	.13	.004		.6	.02					

Chemist

BUSINESS ENVELOPE MANUFACTURERS, INC
PEARL RIVER N.Y. • BRONX, N.Y. • CLINTON, TENN.
MELROSE PARK, ILL. • ANAHEIM, CALIF.

TO Don Tyler
211 West Third So.
Salt Lake City, Utah 84101

ROGERS RESEARCH & ANALYSIS
68 SOUTH MAIN STREET · ROOM 811
SALT LAKE CITY, UTAH 84101
Phones (801) 521-8244

SUBJECT: Quantitative Analysis for Silver

DATE [illegible] 1977

Silver 31.21 oz/ton

SIGNED [illegible]

FORM NO. PK1110-3
AVAILABLE FROM BUSINESS ENVELOPE MANUFACTURERS, INC. • PEARL RIVER, N.Y. • BRONX, N.Y. • CLINTON, TENN. • MELROSE PARK, ILL. • ANAHEIM, CALIF.
PRINTED IN U.S.A.
LOT # 878080

300 to 400 to 1 cons.

3.32 per yard Free Gold - 1/4" Screen
3.80 " " " " after Tromell } Red Clay

Black Sand Cons.

4.0	oPt	Gold
6.0	"	Silver
6.0	"	Platinum
1.6	"	Iridium
0.86	"	Rhodium

100 ACRES
6 million Cubic yards or more estimate by Geologist.

Tyler Mining

American Chemical Research Laboratories

CERTIFICATE OF ANALYSIS 8 June 1976

Description	Analysis oz/ton Pt
Rock	0.106
River SURFACE	0.091
Concentrate	0.071

Thank you for your patronage.

J. Phil Benson, American Chemical & Research Labs

THIS REPORT IS PROVIDED FOR THE EXCLUSIVE USE OF THE ADDRESSEE. PRIVILEGES OF SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF, OR REPRODUCTION OF THIS REPORT IN CONNECTION WITH THE ADVERTISEMENT, PROMOTION OR SALE OF ANY PRODUCT OR PROCESS OR IN CONNECTION WITH THE RE-PUBLICATION OF THIS REPORT FOR ANY PURPOSE OTHER THAN FOR THE ADDRESSEE WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

32 EAST 3335 SOUTH · SALT LAKE CITY, UTAH 84115 · TEL (801) 467-7922

Tyler Mining

American Chemical Research Laboratories

CERTIFICATE OF ANALYSIS 27 May 1976

Description	Analysis oz/ton Ag	oz/ton Au	oz/ton Pt
Rock	0.144	0.004	
River	0.100	0.012	
Concentrate	0.182	0.175	

Thank you for your patronage.

J. Phil Benson
American Chemical & Research Labs

THIS REPORT IS PROVIDED FOR THE EXCLUSIVE USE OF THE ADDRESSEE. PRIVILEGES OF SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF, OR REPRODUCTION OF THIS REPORT IN CONNECTION WITH THE ADVERTISEMENT, PROMOTION OR SALE OF ANY PRODUCT OR PROCESS OR IN CONNECTION WITH THE RE-PUBLICATION OF THIS REPORT FOR ANY PURPOSE OTHER THAN FOR THE ADDRESSEE WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

VV BE M5 AMS 22 MAR.53
589

PHONE (801) [illegible] 531-0137

ROGERS RESEARCH & ANALYSIS INC.

L. A. OFFICE
551 NORTH 1100 EAST
BOUNTIFUL, UTAH 84010
PHONE (801) 295 4402

CLAIR W. ROGERS, President

22 Dec. 1978

J.C.T.

FROM 6 LB. ORE ON TOP OF HILL GOING DOWN TO RIVER QUARTERED DOWN FROM 10 HOLES 10' APART

Lambert's Kar Kare
218 West Third South
Salt Lake City, Utah 84101

RRA# 122178-1
Metal Button

Antimony	.1 %	Palladium	Trace
Arsenic	.4 %	Platinum	.1 o/t
Barium	Trace	Rhodium	Trace
Bismuth	Trace	Rubidium	
Chromium	.6 %	Ruthenium	
Cobalt	Trace	Silver	16.3 o/t
Copper	4.8 %	Strontium	Trace
Gold	.5 o/t	Thorium	
Iridium		Tin	.1 %
Iron	4.4 %	Titanium	1.3 %
Lead	87.7 %	Tungsten	Trace
Manganese	.4 %	Uranium	
Molybdenum	Trace	Vanadium	
Nickel	.1 %	Yttrium	
Cadmium	Trace	Zinc	.3 %
		Zirconium	Trace

$25.00 Due

WESTERN
STANDARD
LABORATORIES, INC.

115 North 1600 West (801) 224-2271
Orem, UT 84057

Invoice No. 1179

Submitted By:

Analyzed For:

Ag, Au

Results:

Mailed __ Phone Call

To:

Date Received: 10-12-76

Date Complete: 10-15-76

Don Tyler

CERTIFICATE of ANALYSIS

Log #	Customer I.D.	Ag (silver) opt	Au (gold) opt
1349	Clay Sample		0.38 .50 %
1353	Sand Sample		5.38
1389	Rock	0.29	n.d.

Remarks:

Approved By: R H Rechsman

ANALYTICAL REPORT

TRO-ANALYSIS _____ SPECTRO-CHEMICAL _____ WET ANALYSIS _____ SPECIFIC GRAVITY _____

ASSAY _____ ATOMIC ABSORPTION _____ PROCESS EXTRACTION RESEARCH _____ PROCESS AMALGAM _____

Sample submitted by: Don Tyler DATE 10-19-76

3125 N. 18th Avenue Phoenix Arizona 85015

Sample description: Western Resources concentrate made by C&W Manufacturing

PRECIOUS METALS - BUYING PROGRAM:

	Method A (wet)	Method B (wet)	Fire Assay
Silver	4.56 oz. p/t	5.02 oz. p/t	2.11 oz. p/t
Gold	5.24 oz. p/t	6.19 oz. p/t	3.38 oz. p/t

Platinum group metals not determined - see enclosed sheet.

Spectrograph reports must be given in a range rather than an exact figure. However, the particular model spectrograph which OTL uses, is superior in that it detects metals that could be overlooked by other methods of determination. It is especially suited to the trace and near trace elements.

The above figures are not necessarily indicative of the values obtainable by conventional extraction methods. All quantities shown in 'ounces per ton'

Most samples containing the platinum group metals are of a 'complex' nature. In the make up of these 'complexes' are many 'unstables' that tend to outweigh the 'stable' portion and act to suppress, or even prevent, the extraction of the 'stables'. OTL has been successful in overcoming this problem. We have established what we believe to be all the required basic production processes for the extraction of the precious metals from domestic ores.

OTL is equipped to perform the research needed to establish the feasibility and adaptability of ores to the OTL RECOVERY METHODS.

TEST FEE $20.00 PD.

W. L. Seaman

V. L. Seaman

ORE-TECH LABORATORIES, Incorporated

X 21605 PHOENIX, ARIZONA 85036 (602) 254-8196

AL ORES · PROCESS RESEARCH AND DEVELOPMENT · PRODUCTION EXTRACTION PROCESSES

12.00 per assay 14.00 yd

CHEMTEC CORPORATION

POST OFFICE BOX
HENDERSON, NEVADA 89015
PHONE: (702) 564-5255

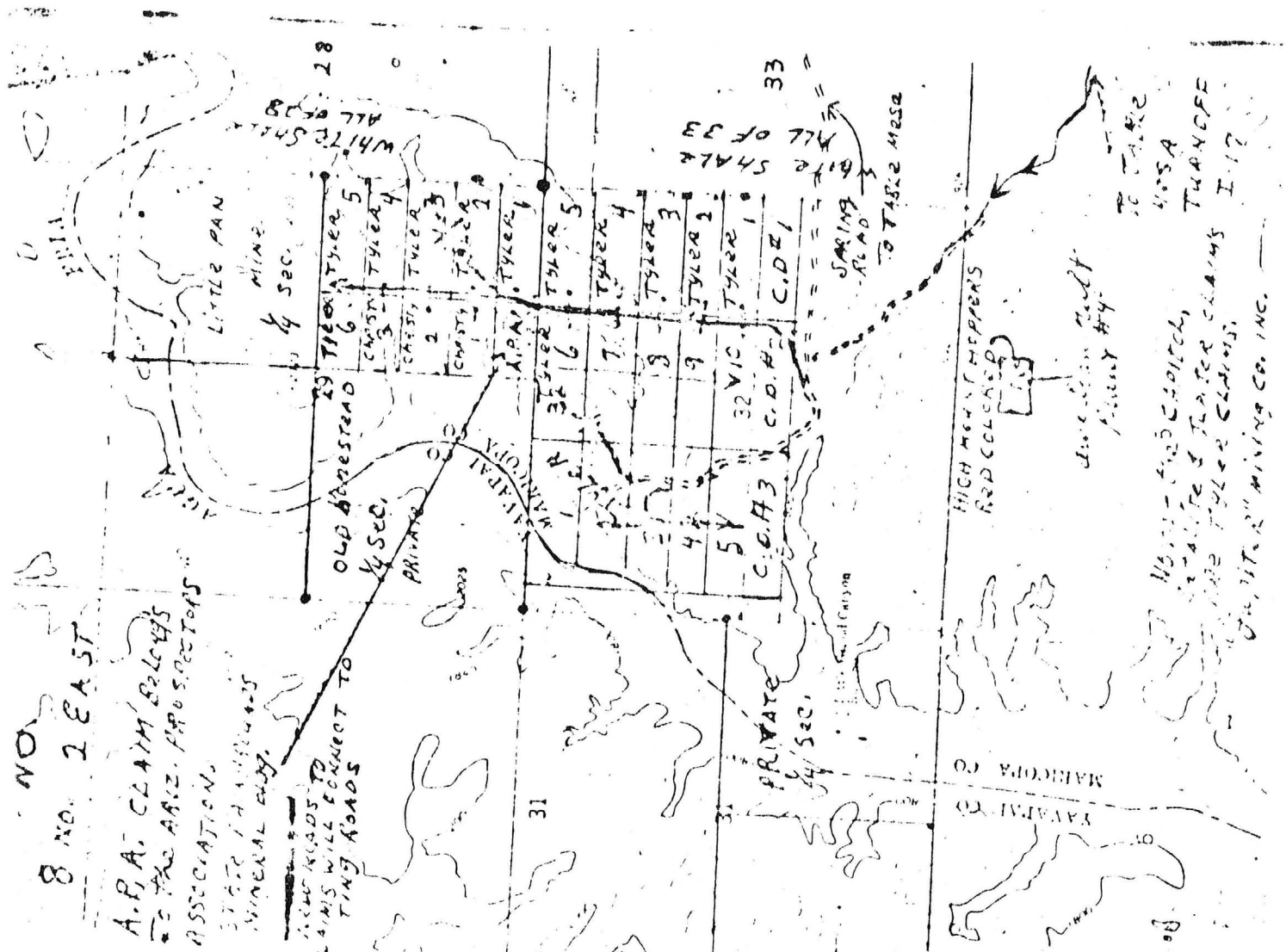
E Don Tyler

LOT

DATE November 1 1976

PER 2000 LBS. oz/ton AU	oz/ton AU	oz/ton PT	%	%	%	REMARKS
2.90	3.77	2.94				Black Sands
						Deals with Martha Lake
						buy Black Sands
						Earl Davis

Chief Chemist



Tyler Mining

American Chemical Research Laboratories

CERTIFICATE OF ANALYSIS 8 June 1976

Description	Analysis oz/ton Pt
Rock	0.106
River	0.091
Concentrate	0.071

Thank you for your patronage.

J. Phil Benson, American Chemical & Research Labs

THIS REPORT IS PROVIDED FOR THE EXCLUSIVE USE OF THE ADDRESSEE. PRIVILEGES OF SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF, OR REPRODUCTION OF THIS REPORT IN CONNECTION WITH THE ADVERTISEMENT, PROMOTION OR SALE OF ANY PRODUCT OR PROCESS OR IN CONNECTION WITH THE RE PUBLICATION OF THIS REPORT FOR ANY PURPOSE OTHER THAN FOR THE ADDRESSEE WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

32 EAST 3335 SOUTH · SALT LAKE CITY, UTAH 84115 · TEL (801) 467-7922

Tyler Mining

American Chemical Research Laboratories

CERTIFICATE OF ANALYSIS 27 May 1976

Description	Analysis oz/ton Ag	oz/ton Au	oz/ton Pt
Rock	0.146	0.064	
River	0.100	0.072	
Concentrate	0.132	0.175	

Thank you for your patronage.

J. Phil Benson
American Chemical & Research Labs

THIS REPORT IS PROVIDED FOR THE EXCLUSIVE USE OF THE ADDRESSEE. PRIVILEGES OF SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF, OR REPRODUCTION OF THIS REPORT IN CONNECTION WITH THE ADVERTISEMENT, PROMOTION OR SALE OF ANY PRODUCT OR PROCESS OR IN CONNECTION WITH THE RE PUBLICATION OF THIS REPORT FOR ANY PURPOSE OTHER THAN FOR THE ADDRESSEE WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

USE KWIK PK1110-3 SPEED MESSAGE

AVAILABLE FROM
BUSINESS ENVELOPE MANUFACTURERS, INC.
PEARL RIVER, N.Y. • BRONX, N.Y. • CLINTON, TENN
MELROSE PARK, ILL. • ANAHEIM, CALIF.

Tyler
West [illegible] So.
[illegible] Lake City, Utah [illegible]

ROGERS RESEARCH & ANALYSIS
68 SOUTH MAIN STREET - ROOM 811
SALT LAKE CITY, UTAH 84101
Phones (801) 521 8244

SUBJECT: Quick Calculation for Gold for Silver

DATE [illegible] Sept. 1977

Silver 31.21 oz/ton

SATALLITE #8, TRENCHED STRUCTURE OVER 10 FT.

SIGNED [illegible] 5.20 [illegible]

LOT # 876065

FORM NO. PK1110-3
AVAILABLE FROM BUSINESS ENVELOPE MANUFACTURERS, INC. • PEARL RIVER, N.Y. • BRONX, N.Y. • CLINTON, TENN • MELROSE PARK, ILL. • ANAHEIM, CALIF.
PRINTED IN U.S.A.

MELROSE PARK, ILL. • ANAHEIM, CALIF.

TO Don Tyler
[illegible] West Third So.
Salt Lake City, Utah 84101

ROGERS RESEARCH & ANALYSIS
68 SOUTH MAIN STREET - ROOM 811
SALT LAKE CITY, UTAH 84101
Phones (801) 521-8244

SUBJECT: Quantitative Analysis for Silver

DATE [illegible] 1979

OLD

Silver 31.21 oz/ton

SIGNED [illegible]

FORM NO. PR1170-3
AVAILABLE FROM BUSINESS ENVELOPE MANUFACTURERS, INC • PEARL RIVER, N.Y. • BRONX, N.Y. • CLINTON, TENN. • MELROSE PARK, ILL. • ANAHEIM, CALIF.
PRINTED IN U.S.A.
LOT # 478088

300 to 400 to 1 cons.

13.32 per yard Free Gold - 1/4" Screen
8.80 " " " " after Tromell } Red Clay

Black Sand Cons.

4.0	oz	Gold	100 Acre's
6.0	"	Silver	6 million Cubic
6.0	"	Platinum	yard's or more
1.6	"	Iridium	estimate by
0.86	"	Rhodium	Geologist.
?		[illegible]	

7 To 1 for assay $14.[illegible] yd

CHEMTEC CORPORATION

POST OFFICE BOX
HENDERSON, NEVADA 89015
PHONE: (702) 564-5255

E: Don Tyler

SS LOT DATE November 1 1976

O.	PER 2000 LBS. oz/ton AG	oz/ton AU	oz/ton PT	%	%	%	REMARKS
	2.90	3.77	2.94				Black Sands
							Deals with Martial and
							buy Black Sands
							Earl Davis —

CLAIM CAPITOL #1
SKIM BAR MATERIAL, BLACK SANDS
PORTION ONLY

Chief Chemist

35 South 9th West
Salt Lake City, Utah 84104

To: Tyler Mining Co

Page 1 of 1

Date: Sept 12, 1977

(Well drillings)
Assayed all the way down

Determination / Sample no	ppm Au	oz/ton Au		PPM Ag	oz/ton Ag					
#1 6'	.16	.005		.7	.021					
#1 10'	.18	.005		.5	.015					
#1 24'	.22	.006		.7	.021					
#1 30'	.27	.008		.5	.015					
#1 40'	.37	.011		.5	.015					
#1 50'	.37	.011		.7	.021					
#1 60'	.33	.010		3.2	.094					
#1 75'	.25	.007		2.1	.062					
#1 100'	.21	.006		.6	.02					
#1 125'	.31	.009		.5	.015					
#1 150'	.28	.008		.5	.015					
5054 ne	.13	.004		.6	.02					

Chemist

ANALYTICAL REPORT

THO-ANALYSIS _____ SPECTRO-CHEMICAL _____ WET ANALYSIS _____ SPECIFIC GRAVITY _____

ASSAY ATOMIC ABSORPTION _____ PROCESS EXTRACTION RESEARCH _____ PROCESS AMALGAM _____

Sample submitted by: Don Tyler DATE 10-19-76

3125 N. 18th Avenue Phoenix Arizona 85015

Sample description Western Resources concentrate made by C&W Manufacturing

PRECIOUS METALS - BUYING PROGRAM:

	Method A (wet)	Method B (wet)	Fire Assay
Silver	4.56 oz. p/t	5.02 oz. p/t	2.11 oz. p/t
Gold	5.24 oz. p/t	6.19 oz. p/t	3.[illegible] oz. p/t

Platinum group metals not determined - see enclosed sheet.

CLAIM CAPITOL #1

CONCENTRATION OF SKIM BAR MATERIAL 70:1

SEE NEXT ASSAY SHEET FOR BLACK SANDS ONLY

*Spectrograph reports must be given in a range rather than an exact figure. However, the particular model spectrograph which OTL uses, is superior in that it detects metals that could be overlooked by other methods of determination. It is especially suited to the trace and near trace elements.

[illegible] values are not necessarily indicative of the values obtainable by conventional extraction methods. [illegible] 'ounces per ton'

[illegible] samples [illegible] the platinum group metals are of a 'complex' nature. In the make up of these [illegible] 'metallics' do tend to outweigh the 'stable' portion and act to suppress, or even [illegible] OTL has been successful in overcoming the problem [illegible] production processes for the [illegible]

[illegible] needed to establish [illegible]

TEST FEE $20.00 PER [illegible]

OTL-TECH LABORATORIES [illegible]

[illegible] PHOENIX, ARIZONA 85036 [illegible]

RAL [illegible] PROCESS RESEARCH AND DEVELOPMENT · PRODUCTION EXTRACTION PROCESSES

PX1110-3
BUSINESS ENVELOPE MANUFACTURERS, INC
PEARL RIVER, N.Y. • BRONX, N.Y. • CLINTON, TENN
MELROSE PARK, ILL. • ANAHEIM, CALIF

Tyler
West [illegible] So.
[illegible] Lake City, Utah [illegible]

ROGERS RESEARCH & ANALYSIS
68 SOUTH MAIN STREET - ROOM 811
SALT LAKE CITY, UTAH 84101
Phones (801) 521 8244

SUBJECT: [illegible] Silver

DATE [illegible] 1972

Silver 31.31 oz/t

SATALLITE #8, TRENCHED STRUCTURE OVER 10 FT.

SIGNED [illegible]

LOT # 878065

FORM NO. PX1110-3
AVAILABLE FROM BUSINESS ENVELOPE MANUFACTURERS, INC. • PEARL RIVER, N.Y. • BRONX, N.Y. • CLINTON, TENN. • MELROSE PARK, ILL. • ANAHEIM, CALIF
PRINTED IN U.S.A.

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

ASSAY MADE FOR
ANCA INDUSTRIES
P.O. Box 189
Cave Creek, Ariz. 85331

April 27, 1979

SAMPLE DESCRIPTION	Ref. no.	Gold oz/ton	Silver oz/ton
Denman Tyler #1 Black sand	94-21-27	.652	0.26
" " #2 Silver vein	94-21-18	Tr	Tr
" " #3 Aqua Fria	94-21-19	Nil	0.10
" " #4 quartz	94-21-20	Nil	Nil

Walter E. Stalie
ASSAYER
4/27/79

29

WDB

WDB 8/9

FOR YOUR FILES - A NEW SERVICE

ECOVERY FLOW SHEET—
RE BUYING PROGRAM

obtain the facts needed to develop a flow sheet, we would first need to analyze your ore.

TEP #1.

require two preliminary analyses; a complete spectrograph and a wet chemical. Our spectro will allow us to examine the 'balance' the minerals involved. This *may* not indicate all of the precious metals present, as does the wet chemical. This statement should not construed to mean that our equipment is not suitable. Quite the contrary. Rather, the 10 milligrams of sample used (typical of all ectro analyses) is not sufficient to allow for a reasonable representation of the precious metals in the ore. As for our equipment, it is entical to that which the government requires for moon rock analysis. Need we say more?

an ore is of the 'complex' type, the precious metals usually are evenly distributed throughout the mass. Then the precious metals n be realized, determined by the spectro method.

TEP #2.

alance the ore chemically and proceed with the Proof-of-Extraction analysis. Your ore will be processed by a production extraction ethod (using production equipment) which will be best suited for your ore. All extraction methods have been developed by RE TECH LABS, INC. Your report will show just what can be expected when your ore is processed by our methods. This procedure ll require 10 pounds of meterial. We suggest that you submit 50-100 pounds and we will mix, quarter, and select a 10 pound sample. e report will show both the sample size processed and also the lot size of the ore submitted for sampling. Many times prospective nancers are prone to criticize a report if the lot size is small. We find no difficulty with finance people when processing 10 pounds t of a 50 pound sample. (For an additional fee scale-ups of 100 pounds or more can be arranged.)

pon establishing the results of the Proof of Extraction analysis, a flow sheet will be made available.

RE TECH IS INTERESTED IN PURCHASING MATERIAL HAVING A MINIMUM VALUE OF $85.00 PER TON OF RAW ORE HAT WILL CONCENTRATE TO A MINIMUM OF $1000.00 PER TON (these values must be obtained as a result of the program stated herein). SOME ORE WILL BE PURCHASED EVEN THOUGH THEY DO NOT MEET OUR MINIMUM REQUIREMENTS ay to mine, monumental amount of ore, easy and inexpensive to process, etc.).

UOTATION:

ould you not meet our minimum requirements, or we decide we want the ore because of other features, we will submit a quotation r your consideration. If this is satisfactory with you, we would be happy to arrange a contract.

EES:

he fee for this program is $250.00. (We advise certified funds to avoid delay.)

ll samples submitted must be minus 1½ inches in size. Otherwise, there will be an additional charge of $25.00 for crushing. (In the rocess, we will grind all the way to minus 300 fine.)

he remaining unused portion of the sample submitted will be held for 10 days and then disposed of unless other arrangements have een made.

. $25.00 fee will be required for packing & shipping of any part of the unused sample, or the waste product from the processing. Return of the material must be arranged at the time the fee is received for this program.

RE TECH LABORATORIES, Incorporated

P.O. BOX 4195, PHOENIX, ARIZONA 85036 (602) 254-8196

MINERAL ORES · PROCESS RESEARCH AND DEVELOPMENT · PRODUCTION EXTRACTION PROCESSES

ANALYTICAL REPORT

THO-ANALYSIS _____ SPECTRO-CHEMICAL _____ WET ANALYSIS _____ SPECIFIC GRAVITY _____

ASSAY ATOMIC ABSORPTION _____ PROCESS EXTRACTION RESEARCH _____ PROCESS AMALGAM _____

Sample submitted by: Don Tyler DATE 10-19-76

3125 N. 18th Avenue Phoenix Arizona 85015

Sample description: Western Resources concentrate made by C&W Manufacturing

PRECIOUS METALS - BUYING PROGRAM:

	Method A (wet)	Method B (wet)	Fire Assay
Silver	4.56 oz. p/t	5.02 oz. p/t	2.11 oz. p/t
Gold	5.24 oz. p/t	6.19 oz. p/t	3.38 oz. p/t

Platinum group metals not determined - see enclosed sheet.

CLAIM CAPITOL #1

CONCENTRATION OF SKIM BAR MATERIAL 70:1

SEE NEXT ASSAY SHEET FOR BLACK SANDS ONLY

Spectrograph reports must be given in a range rather than an exact figure. However, the particular model spectrograph which OTL uses, is superior in that it detects metals that could be overlooked by other methods of determination. It is especially suited to the trace and near trace elements.

The values reported are not necessarily indicative of the values obtainable by conventional extraction methods. [illegible] 'ounces per ton'

[illegible] samples containing the platinum group metals are of a 'complex' nature. In the make up of these [illegible] 'stabilizers' that tend to outweigh the 'stable' portion and act to suppress, or even [illegible] OTL has been successful in overcoming the problem. [illegible] to be of the [illegible] basic production processes for the extraction of [illegible]

[illegible] the research needed to establish the feasibility [illegible]

TEST FEE $20.00 PER [illegible]

ONE-TECH LABORATORIES, [illegible]

[illegible] PHOENIX, ARIZONA 85006 [illegible]

[illegible] PROCESS RESEARCH AND DEVELOPMENT · PRODUCTION EXTRACTION PROCESSES

Sample submitted by Da Tyler Sample WR C&W cons

CONCERNING YOUR BLACK SAND SAMPLE

Concentrate

FREE' GOLD (native):

Our primary interest, in black sands, is the values contained in the 'complex' portion rather than just the 'free' gold per se. Gold, whether from the 'complex' or 'free' is the economic setter for every black sand with few exceptions (iridium being the only exception). We have never found a black sand, of the type we are seeking, that did not contain some 'free' gold.

It is your prerogative to remove any, or all, 'free' gold, if you wish. However, our minimum requirements are based on a total value per ton of sand, and the removal of all 'free' gold could lower your values below our minimum.

The majority of black sand producers agree that 20 mesh is a good cut-off point, keeping any 'free' gold that is 'plus' 20 mesh, and leaving the minus fraction in the sand they offer for sale.

PRESENTLY WE ARE BUYING SANDS WITH 5 OUNCES OF GOLD ('free' & 'complex'), OR MORE, PER TON OR $1000.00 TOTAL EXTRACTABLE PRECIOUS METALS.
(sorry, but we cannot quote 'flat-rate' prices for sands not analyzed)

) MESH SCREENING:

Your sample contained approx. -- oz. 'plus' 20 mesh free gold.

AGNETIC FRACTION:

Our research has indicated that the magnetic fraction is of little, or no, value with our processes. Removing the magnetics is comparatively easy & inexpensive, and could result in the upgrading of your material to meet our minimum requirements. Your sample contained 51.0% magnetics.

ATINUM METALS:

It is not uncommon to find platinum group metals in black sands. However, to find platinum in sands that are completely void of gold is unheard of (you do hear all sorts of fantastic claims). Even sands with a low showing of gold are not likely to have detectable, or sufficient, amounts of platinum metals.

Your report may not show any platinums detected. This does not rule out the possibility of their presence. These metals have very unusual idiosyncrasies and react in an unpredictable manner. In some sands they will show with ease while others may require further analysis. We recommend our 'Proof-of-Extraction'. This analysis deals directly with their individual, inherent, traits (not found in the chemistry book).

OTE: Your sample was evaluated as a minus 20 mesh fraction and the magnetics were not removed (magnetics determined but not removed).

OTATION: Your ore (does ~~does not~~) meet our PRESENT requirements.

If you can produce a minimum of ? tons of black sand per week AND the values are comparable to this submitted sample, we will offer $710.00 per ton of concentrates. If this figure meets with your approval we would like to meet with you and make a contract to purchase these concentrates on a regular basis.

PLEASE UNDERSTAND THAT WE DO ALL THE TRANSPORTING. WE BUY F.O.B., YOUR SOURCE AND PAY CASH ON THE BARRELL.

: $710.00 figure based on 11.0 oz. gold per ton of concentrates like the sample submitted minus the magnetics.

ORE TECH LABORATORIES, Incorporated

X 21069 PHOENIX, ARIZONA 85036 (602) 254-3196

ALORES PROCESS RESEARCH AND DEVELOPMENT · PRODUCTION EXTRACTION PROCESSES

MINERAL SERVICES, INC.
SALT LAKE CITY, UTAH 84107

CONSULTING MINING ENGINEERS
543 South 2165 West
Salt Lake City, Utah 84104

TYLER, JOHN C. file

June 24, 1977

Mr. Don Tyler ↔ John Tyler's son
1825 North 18th Avenue
Phoenix, Arizona 85015

SUBJECT: Reconnaissance trip to holdings north of Phoenix, Arizona.

Dear Mr. Tyler:

This letter is being written to offer some observations while making a reconnaissance trip over your mine holdings north of Phoenix, Arizona.

The examination was made on June 16, 1977. Mr. Milo Lambert and John Tyler acted as guides. Several pertinent points which bear upon the interpretation of the geology were pointed out. They also were very helpful in offering information of past history and orientation of the property.

The rocks in the holdings consist mainly of Chloritic Shist and Amphibolite derived from interbedded shale and sandstone. These rocks are banded with blue-white quartz veins.

On the south end of the holdings Andesite flows and Tuffs are exposed.

The placer deposits are of two types. The bottom of the wash sands can be identified as flood deposits and the upper high bar gravels can be identified as Desert type deposits.

The "flood gold" consists mostly of minute particles so small it requires several colors to have any value. However, it appears the property does have a skim bar. A skim is formed as the stream sweeps around a curve, the water is subject to tangential forces which cause a relative increase in velocity along the outer radius of the curve with a corresponding decrease along the inside radius. The bottom layer of water is retarded by friction and as a result, it has a tendency to flow sideways along the bottom toward the inner bank. This, in turn causes sand and small gravel to accumulate in the form of an accretion bar along the inside bank of the curve and where flood-borne particles of gold are being carried down the stream, some will be deposited near the upper point of such bars. The property does have a text-book example of a skim-bar.

EVALUATION · GEOCHEMICAL SURVEYS · EXPLORATION

Tyler holdings, Phoenix, Arizona (continued):

This is located on the north curve of the river within the Tyler No. 1 claim.

The Desert type deposits lay on both banks of the river. These deposits are formed in arid regions where erosion and transportation of debris depends largely on fast-rising streams that rush down gullies and dry washes following summer cloudbursts. During intervening periods, varying amounts of sand, gravel or side-hill detritus is carried in from the sides by lighter intermittent rain wash which is sufficient to move material into the washes but not carry it further. Under such conditions the movement and concentration of placer gold can be erratic. Therefore, it must be thoroughly tested prior to forming any conclusion as to the average value.

The general trend of the strike and dip of the schists and veins are northerly and southerly with high angle dips that vary considerably in attitude as you traverse westerly on the property.

On the north end of the property several outcrops of plug type quartz and a east west vein are exposed. It is not understood why the attitude has changed. This warrants additional study.

The major fault follows the trend of the river. The upthrown side is on the east with smaller sympathy fractures trending away from the major fault.

It was pointed out that the holdings may be within a Caldera. It is a very pertinant point and surface indications appear to lean favorably towards it being within one. This can only be determined by additional study.

The primary purpose of the visit was to determine if the property warranted additional exploration and to offer recommendations for steps to follow to further develop the property. After reviewing the notes and talking with people acquainted with the geology and the area, the following recommendations are suggested.

1. Determine if enough water can be developed to run a mining operation. The amount of water developed will have a bearing on the feasibility of doing any more exploration.

2. If water is developed grid out the Desert placer with test pits and determine value.

3. Make test pit on skim bar.

Tyler holdings, Phoenix, Arizona (continued):

4. Map the holdings surrounding the placer.

5. The mapping of the lode will act as a guide for further exploration. It would be speculative to project any development beyond the mapping program.

Summarily it can be stated after observing the pannings from the high bar material and the conditions in which the panning was done and still see colors it does warrant testing on the placer.

The lode does require mapping to determine if further exploration is warranted.

The water is the key to any further exploration and if no water is developed it would be difficult to justify any expenditure for exploration.

Sincerely,

MINERAL SERVICES, INC.

E. M. Garrick
President

EMG/bg

ANALYTICAL REPORT

PECTRO-ANALYSIS_____ SPECTRO-CHEMICAL _____ WET ANALYSIS _____ SPECIFIC GRAVITY _____

IRE ASSAY_____ ATOMIC ABSORPTION _____ PROCESS EXTRACTION RESEARCH _____ PROCESS AMALGAM _____

Sample submitted by: Don Tyler DATE 10-19-76

3125 N. 18th Avenue Phoenix Arizona 85015

Sample description: Western Resources concentrate made by C&W Manufacturing

PRECIOUS METALS - BUYING PROGRAM:

	Method A (wet)	Method B (wet)	Fire Assay
Silver	4.56 oz. p/t	5.02 oz. p/t	2.11 oz. p/t
Gold	5.24 oz. p/t	6.19 oz. p/t	3.38 oz. p/t

Platinum group metals not determined - see enclosed sheet.

Spectrograph reports must be given in a range rather than an exact figure. However, the particular model spectrograph which OTL uses, is superior in that it detects metals that could be overlooked by other methods of determination. It is especially suited to the trace and near trace elements.

The above figures are not necessarily indicative of the values obtainable by conventional extraction methods. All quantities shown in 'ounces per ton'

Most samples containing the platinum group metals are of a 'complex' nature. In the make up of these 'complexes' are many 'unstables' that tend to outweigh the 'stable' portion and act to suppress, or even prevent, the extraction of the 'stables'. OTL has been successful in overcoming this problem. We have established what we believe to be all the required basic production processes for the extraction of the precious metals from domestic ores.

OTL is equipped to perform the research needed to establish the feasibility and adaptability of ores to the OTL RECOVERY METHODS.

TEST FEE $20.00 PD.

V. L. Seaman

ORE-TECH LABORATORIES, Incorporated

O. BOX 21695, PHOENIX, ARIZONA 85036 (602) 254-8196

MINERAL ORES · PROCESS RESEARCH AND DEVELOPMENT · PRODUCTION EXTRACTION PROCESSES

Sample submitted by D... Tyler Sample No. WK C&W cons

CONCERNING YOUR BLACK SAND SAMPLE

'FREE' GOLD (native):

Our primary interest, in black sands, is the values contained in the 'complex' portion rather than just the 'free' gold per se. Gold, whether from the 'complex' or 'free' is the economic setter for every black sand with few exceptions (iridium being the only exception). We have never found a black sand, of the type we are seeking, that did not contain some 'free' gold.

It is your prerogative to remove any, or all, 'free' gold, if you wish. However, our minimum requirements are based on a total value per ton of sand, and the removal of all 'free' gold could lower your values below our minimum.

The majority of black sand producers agree that 20 mesh is a good cut-off point, keeping any 'free' gold that is 'plus' 20 mesh, and leaving the minus fraction in the sand they offer for sale.

PRESENTLY WE ARE BUYING SANDS WITH 5 OUNCES OF GOLD ('free' & 'complex'), OR MORE, PER TON OR $1000.00 TOTAL EXTRACTABLE PRECIOUS METALS.
(sorry, but we cannot quote 'flat-rate' prices for sands not analyzed)

20 MESH SCREENING:

Your sample contained approx. -- oz. 'plus' 20 mesh free gold.

MAGNETIC FRACTION:

Our research has indicated that the magnetic fraction is of little, or no, value with our processes. Removing the magnetics is comparatively easy & inexpensive, and could result in the upgrading of your material to meet our minimum requirements. Your sample contained 51.0% magnetics.

PLATINUM METALS:

It is not uncommon to find platinum group metals in black sands. However, to find platinum in sands that are completely void of gold is unheard of (you do hear all sorts of fantastic claims). Even sands with a low showing of gold are not likely to have detectable, or sufficient, amounts of platinum metals.

Your report may not show any platinums detected. This does not rule out the possibility of their presence. These metals have very unusual idiosyncrasies and react in an unpredictable manner. In some sands they will show with ease while others may require further analysis. We recommend our 'Proof-of-Extraction'. This analysis deals directly with their individual, inherent, traits (not found in the chemistry book).

NOTE: Your sample was evaluated as a minus 20 mesh fraction and the magnetics were not removed (magnetics determined but not removed).

QUOTATION: Your ore (does ~~does not~~) meet our PRESENT requirements.

If you can produce a minimum of ? tons of black sand per week AND the values are comparable to this submitted sample, we will offer $710.00 per ton of concentrates. If this figure meets with your approval we would like to meet with you and make a contract to purchase these concentrates on a regular basis.

PLEASE UNDERSTAND THAT WE DO ALL THE TRANSPORTING. WE BUY F.O.B., YOUR SOURCE AND PAY CASH ON THE BARRELL.

NOTE: $710.00 figure based on 11.0 oz. gold per ton of concentrates like the sample submitted minus the magnetics.

ORE-TECH LABORATORIES, Incorporated

P.O. BOX 21695, PHOENIX, ARIZONA 85036 (602) 254-3196

MINERAL ORES - PROCESS RESEARCH AND DEVELOPMENT - PRODUCTION EXTRACTION PROCESSES

FOR YOUR FILES - A NEW SERVICE

RECOVERY FLOW SHEET— ORE BUYING PROGRAM

To obtain the facts needed to develop a flow sheet, we would first need to analyze your ore.

STEP #1.

We require two preliminary analyses; a complete spectrograph and a wet chemical. Our spectro will allow us to examine the 'balance' of the minerals involved. This *may* not indicate all of the precious metals present, as does the wet chemical. This statement should not be construed to mean that our equipment is not suitable. Quite the contrary. Rather, the 10 milligrams of sample used (typical of all spectro analysis) is not sufficient to allow for a reasonable representation of the precious metals in the ore. As for our equipment, it is identical to that which the government requires for moon rock analysis. Need we say more?

If an ore is of the 'complex' type, the precious metals usually are evenly distributed throughout the mass. Then the precious metals can be reasonably determined by the spectro method.

STEP #2.

Balance the ore chemically and proceed with the Proof-of-Extraction analysis. Your ore will be processed by a production extraction method (using production equipment) which will be best suited for your ore. All extraction methods have been developed by ORE-TECH LABS, INC. Your report will show just what can be expected when your ore is processed by our methods. This procedure will require 10 pounds of meterial. We suggest that you submit 50-100 pounds and we will mix, quarter, and select a 10 pound sample. The report will show both the sample size processed and also the lot size of the ore submitted for sampling. Many times prospective financiers are prone to criticize a report if the lot size is small. We find no difficulty with finance people when processing 10 pounds out of a 50 pound sample. (For an additional fee scale-ups of 100 pounds or more can be arranged.)

Upon establishing the results of the Proof of Extraction analysis, a flow sheet will be made available.

ORE-TECH IS INTERESTED IN PURCHASING MATERIAL HAVING A MINIMUM VALUE OF $85.00 PER TON OF RAW ORE THAT WILL CONCENTRATE TO A MINIMUM OF $1000.00 PER TON (these values must be obtained as a result of the program detailed in our report). SOME ORES WILL BE PURCHASED EVEN THOUGH THEY DO NOT MEET OUR MINIMUM REQUIREMENTS (easy to mine, monumental amount of ore, easy and inexpensive to process, etc.).

QUOTATION:

Should your ore meet our minimum requirements, or we decide we want the ore because of other features, we will submit a quotation for your consideration. If this is satisfactory with you, we would be happy to arrange a contract.

FEES:

The fee for this program is $250.00. (We advise certified funds to avoid delay.)

All samples submitted must be minus 1½ inches in size. Otherwise, there will be an additional charge of $25.00 for crushing. (In the process, we will grind all the way to minus 300 fine.)

The remaining unused portion of the sample submitted will be held for 10 days and then disposed of unless other arrangements have been made.

A $25.00 fee will be required for packing & shipping of any part of the unused sample, or the waste product from the processing. Return of the material must be arranged at the time the fee is received for this program.

ORE-TECH LABORATORIES, Incorporated

P.O. BOX 21695, PHOENIX, ARIZONA 85036 (602) 254-8196

MINERAL ORES · PROCESS RESEARCH AND DEVELOPMENT · PRODUCTION EXTRACTION PROCESSES

72 to 1 for assay. 14.00 yd

CHEMTEC CORPORATION

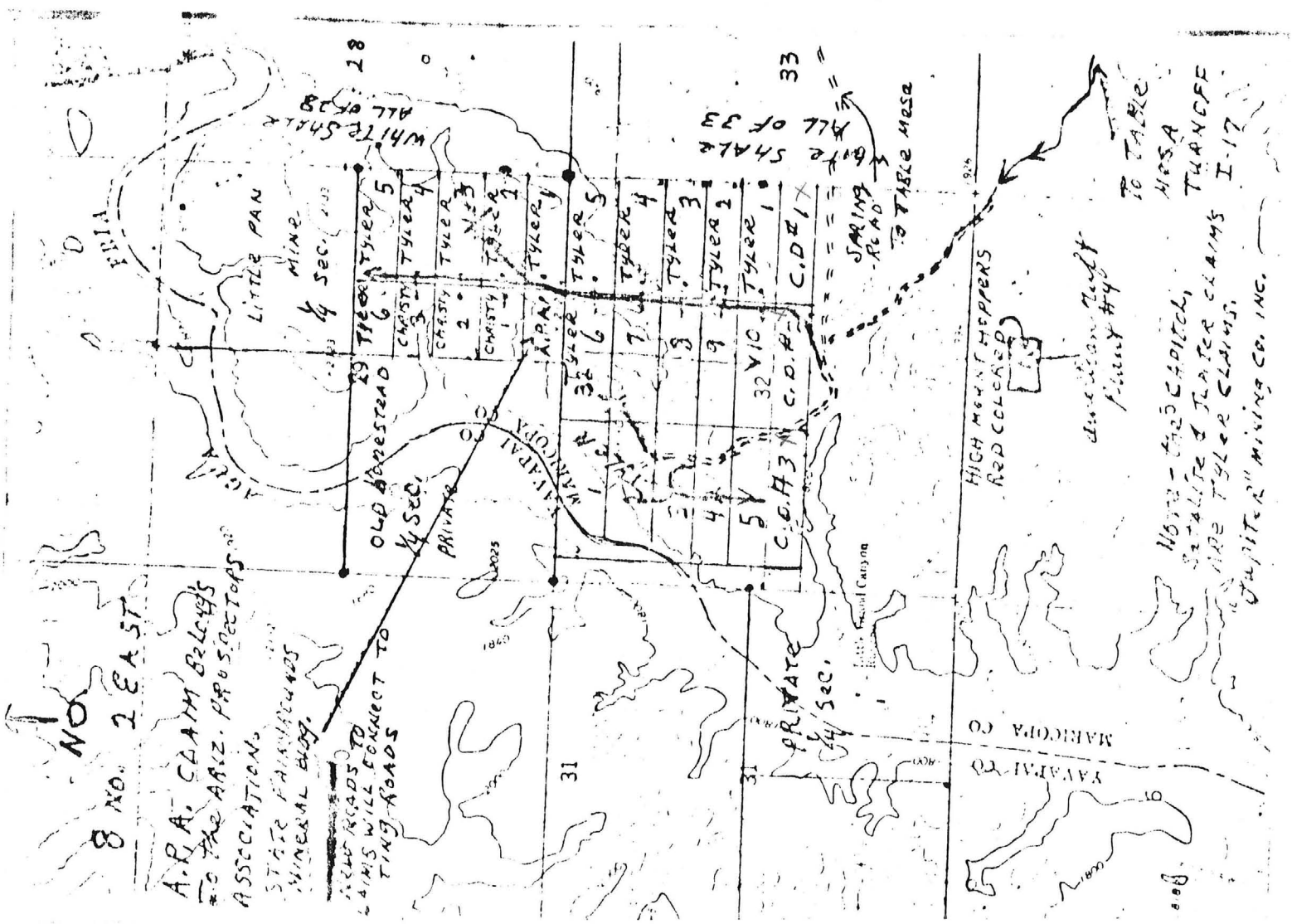
POST OFFICE BOX
HENDERSON, NEVADA 89015
PHONE: (702) 564-5255

NAME Don Tyler

CLASS LOT DATE November 1 1976

NO.	PER 2000 LBS. oz/ton AU	oz/ton AU	oz/ton PT	%	%	%	REMARKS
0	2.90	3.77	2.94				Black Sands
							Deals with man that will
							buy Black Sands
							Earl Davis —

Chief Chemist



TEL (801) 467-7922

Tyler Mining

American Chemical Research Laboratories

CERTIFICATE OF ANALYSIS 8 June 1976

Description	Analysis oz/ton Pt
Rock	0.106
River	0.091
Concentrate	0.071

Thank you for your patronage.

J. Phil Benson, American Chemical & Research Labs

THIS REPORT IS PROVIDED FOR THE EXCLUSIVE USE OF THE ADDRESSEE. PRIVILEGES OF SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF, OR REPRODUCTION OF THIS REPORT IN CONNECTION WITH THE ADVERTISEMENT, PROMOTION OR SALE OF ANY PRODUCT OR PROCESS OR IN CONNECTION WITH THE RE-PUBLICATION OF THIS REPORT FOR ANY PURPOSE OTHER THAN FOR THE ADDRESSEE WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

32 EAST 3335 SOUTH · SALT LAKE CITY, UTAH 84115 · TEL (801) 467-7922

Tyler Mining

American Chemical Research Laboratories

CERTIFICATE OF ANALYSIS 27 May 1976

Description	Analysis oz/ton Ag	oz/ton Au	oz/ton Pt
Rock	0.144	0.004	
River	0.100	0.052	
Concentrate	0.182	0.175	

Thank you for your patronage.

J. Phil Benson
American Chemical & Research Labs

THIS REPORT IS PROVIDED FOR THE EXCLUSIVE USE OF THE ADDRESSEE. PRIVILEGES OF SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF, OR REPRODUCTION OF THIS REPORT IN CONNECTION WITH THE ADVERTISEMENT, PROMOTION OR SALE OF ANY PRODUCT OR PROCESS OR IN CONNECTION WITH THE RE-PUBLICATION OF THIS REPORT FOR ANY PURPOSE OTHER THAN FOR THE ADDRESSEE WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

BUSINESS ENVELOPE MANUFACTURERS, INC.
PEARL RIVER, N.Y. • BRONX, N.Y. • CLINTON, TENN.
MELROSE PARK, ILL. • ANAHEIM, CALIF.

TO Don Tyler
213 West Third So.
Salt Lake City, Utah 84101

ROGERS RESEARCH & ANALYSIS
68 SOUTH MAIN STREET - ROOM 811
SALT LAKE CITY, UTAH 84101
Phones (801) 521-8244

SUBJECT: Quantitative Analysis for Silver

DATE [illegible] Sept. 1977

FOLD

Silver 31.21 oz/ton

SIGNED [illegible] $5.00

FORM NO. PK1110-3
AVAILABLE FROM BUSINESS ENVELOPE MANUFACTURERS, INC. • PEARL RIVER, N.Y. • BRONX, N.Y. • CLINTON, TENN. • MELROSE PARK, ILL. • ANAHEIM, CALIF.
PRINTED IN U.S.A.
LOT # 576086

300 to 400 to 1 cons.

$13.32 per yard Free Gold - 1/4" Screen
$ 8.80 " " " " after Tromell } Red Clay

Black Sand Cons.

4.0	oPt	Gold	100 Acres
6.0	"	Silver	6 million Cubic
6.0	"	Platinum	yards or more
1.6	"	Iridium	estimate by
0.86	"	Rhodium	Geologist.

WESTERN
STANDARD
LABORATORIES, INC.
145 North 1600 West (801) 224-2271
Orem, UT 84057

Don Tyler

Invoice No. 1193
Submitted By:
Analyzed For: Cu, Ag, Au

Results:
Mailed ___ Phone ___ Call ___
To:
Date Received: 10-26-76
Date Complete: 10-29-76

CERTIFICATE of ANALYSIS

Log #	Customer I.D.	Copper %	Silver opt	Gold opt
1433	Copper @ River	0.015		0.005
1434	Quartz @ River		0.03	0.001
1435	Wire Gold			n.d.
1436	Road Rock	0.1	0.03	0.02
1437	Grindings	0.01	0.03	0.02
1438	Specimen	12.37		

Remarks:

Approved By: J H Ruckman

WESTERN
STANDARD
LABORATORIES, INC.

145 North 1600 West (801) 224-2271
Orem, UT 84057

Invoice No. 1179

Submitted By:

Analyzed For: Ag, Au

Results:

Mailed __ Phone Call

To:

Date Received: 10-12-76

Date Complete: 10-15-76

Don Tyler

CERTIFICATE of ANALYSIS

Log #	Customer I.D.	Ag (silver) opt	Au (gold) opt
1349	Clay Sample		0.38 50%
1353	Sand Sample		5.38
1389	Rock	0.29	n.d.

8 100%

Remarks:

Approved By: P H Rachman

GEORESEARCH LABORATORIES, INC.
35 South 9th West
Salt Lake City, Utah 84104

To: Tyler Mining Co.

Page 1 of 1

Date: Sept. 12, 1977

Well drillings

Determination / Sample no	ppm Au	oz/ton Au		ppm Ag	oz/ton Ag					
#1 6'	.16	.005		.7	.021					
#1 10'	.18	.005		.5	.015					
#1 24'	.22	.006		.7	.021					
#1 30'	.27	.008		.5	.015					
#1 40'	.37	.011		.5	.015					
#1 50'	.37	.011		.7	.021					
#1 60'	.33	.010		3.2	.094					
#1 75'	.25	.007		2.1	.062					
#1 100'	.21	.006		.6	.02					
#1 125-150	.31	.009		.5	.015					
#1 170-200	.28	.008		.5	.015					
1204 [illegible]	.13	.004		.6	.02					

Chemist

MINERAL LEASE

This Agreement made and entered into on this 1st day of December, 1980 by and between YARNELL HILL PARTNERSHIP, a General Partnership formed under the laws of the State of Arizona (hereinafter referred to as "Lessee") and the parties set forth on Exhibit A attached hereto and incorporated herein by reference (hereinafter referred to collectively as "Lessor").

1. Lessor, in consideration of the foregoing, does by these presents grant, demise, lease and let unto Lessee for the sole and only purpose of mining and operating for the exploration of gold, silver and other minerals of value (hereinafter referred to as "Product") and for the purpose of building tanks, towers, stations and structures thereon to produce, save and take care of said Product all the lands on which are located the claims more fully described on Exhibit B attached hereto and incorporated herein by reference (hereinafter referred to as the "Mining Property").

2. Subject to the other provisions herein contained, it is hereby agreed that this Lease shall remain in force and effect for five (5) years from this date and so long thereafter as the Product is produced from the Mining Property by the Lessee.

3. In consideration of the foregoing, Lessee covenants and agrees to pay to the Lessor royalties in accordance with the following schedule:

A. Lessee will pay to Lessor eight percent (8%) of the gross revenue received by Lessee from the sale of the Product until such time as the gross revenue from said sales equal One Hundred Fifty Thousand Dollars ($150,000.00).

B. After the gross revenue from the sale of the Product exceed One Hundred Fifty Thousand Dollars ($150,000.00) and until such time as the gross revenue from said sales equal Four Hundred Thousand Dollars ($400,000.00), Lessee shall pay to Lessor the sum of ten percent (10%) of the gross revenue received by Lessee from the sale of Product.

C. After such time as the gross revenue from the sale of the Product exceed Four Hundred Thousand Dollars ($400,000.00) and thereafter, Lessee shall pay to Lessor the sum of twelve percent (12%) of gross revenue received by Lessee from the sale of Product.

Min. Royality untill Producing
or front $

"Gross revenue" shall be defined as (1) the value of the consideration received by Lessee from the sale of Product and (2) the Market Value of any Product not sold by Lessee. There shall be no deduction for royalty payments to Lessor.

Each one of the parties comprising Lessor at their option, may accept dore or other unprocessed minerals (hereinafter referred to as "minerals") in lieu of any or all cash royalty payments to be made to Lessor. The minerals shall be valued at the prevailing Market Value at the time the same is transferred to Lessor and the value thereof less costs and fees paid by Lessee, shall be credited against the cash royalty payments which would otherwise be paid to Lessor by Lessee as provided herein and in addition said value shall be part of the gross revenue received by Lessee as defined herein.

Lessee shall define and distribute to Lessor the conditions and fees governing the payment of mineral royalties in lieu of cash royalties.

"Market Value" of the Product shall be defined as the value of the Product as reflected on the London P.M. fix as of the date of the assay of the particular Product.

The cash or mineral royalty payments shall be made to each of the parties comprising Lessor in the following proportions:

Lessor	%
Reuben A. Lambert	20
John O. Lambert	5
Sara Carwich	1
Claud S. Denman	4
Don W. Tyler	49
John Tyler	15
Arizona Prospectors Association	1
George Councilman	3
Autos Apart	2

4. In the event Lessee does not commence mining operation or developmental activity on the mining property within one hundred twenty (120) days from the execution hereof, this Lease, at the option of either party hereto, shall terminate upon thirty (30) days written notice by the terminating party to the non-terminating party.

5. As soon as is reasonably practical after the execution hereof, Lessee shall have the aforementioned mining claims surveyed. In addition, as soon as is reasonably practical after the execution hereof, Lessee shall retain Donald R. Kunz, Esq. for purposes of reviewing the aforementioned mining claims and remedying any defects.

6. Lessee shall actively mine and conduct developmental activities with respect to said claims. In the event Lessee begins mining or developmental activity with respect to said claims and subsequent thereto ceases all activity for a period in excess of one hundred and twenty (120) days without the consent of the Lessor, then this Lease shall terminate upon the expiration of forty-five (45) days following receipt by Lessee of notice from Lessor that said Lease is to terminate. Notwithstanding the foregoing, the Lease shall not terminate if previous to the expiration of said forty-five (45) day period, Lessee tenders to Lessor for each thirty (30) day period that Lessee has ceased all activity with respect to the claims, a sum equal to the average of the royalties earned by the Lessor during the three (3) thirty (30) day periods preceding the time herein in which Lessee has ceased activity with respect to the claims. Royalties earned by Lessor shall be equal to the royalties actually paid by Lessee to Lessor in cash or minerals and the royalties attributed to Lessor but used for the payment of the expenses set forth in paragraph 5.

7. Any rule, law or regulation; or any factual condition not under the control of Lessee, which effectuates prevention of Lessee's compliance with the terms and conditions of this Lease shall not terminate this Lease in whole or in part; nor render Lessee liable for damages, and this Lease and all time periods hereunder shall be extended for a period equal to the period of any such prevention of compliance.

8. Lessor hereby warrants and agrees to defend the title to the Mining Property and agrees that the Lessee shall have the right at any time, but not the obligation, to redeem for Lessor by payment, any mortgage, taxes or other liens on the Mining Property in the event of default of payment by Lessor, and Lessee shall be subrogated to the rights of the holder thereof.

9. Lessee agrees to comply with all rules and regulations promulgated by the Bureau of Land Management and any other state or federal regulations which may apply with respect to the Mining Property and agrees to restore the Mining Property to the standard prescribed by the Bureau of Land Management upon termination of this Lease.

10. Lessor agrees to pay before delinquency, all taxes levied against the interest created pursuant to this Lease; however Lessee shall pay all taxes levied against any improvements and personal property belonging to Lessee.

11. All notices required in this Lease shall be sent by certified mail, return receipt requested to the parties at the following addresses:

LESSOR:
Names:

Address:

LESSEE:
Name: Yarnell Hill Partnership
Address: 3336 North 32nd Street
Phoenix, Arizona 85018

12. Notice shall be deemed received by a party three (3) days after mailing.

13. Lessors warrant the validity of the claims herein and the respective ownership interests thereof.

14. Any change in the ownership of Lessor's interest herein or any assignment of rent or royalty shall be binding on Lessee only when it has been furnished with written evidence thereof.

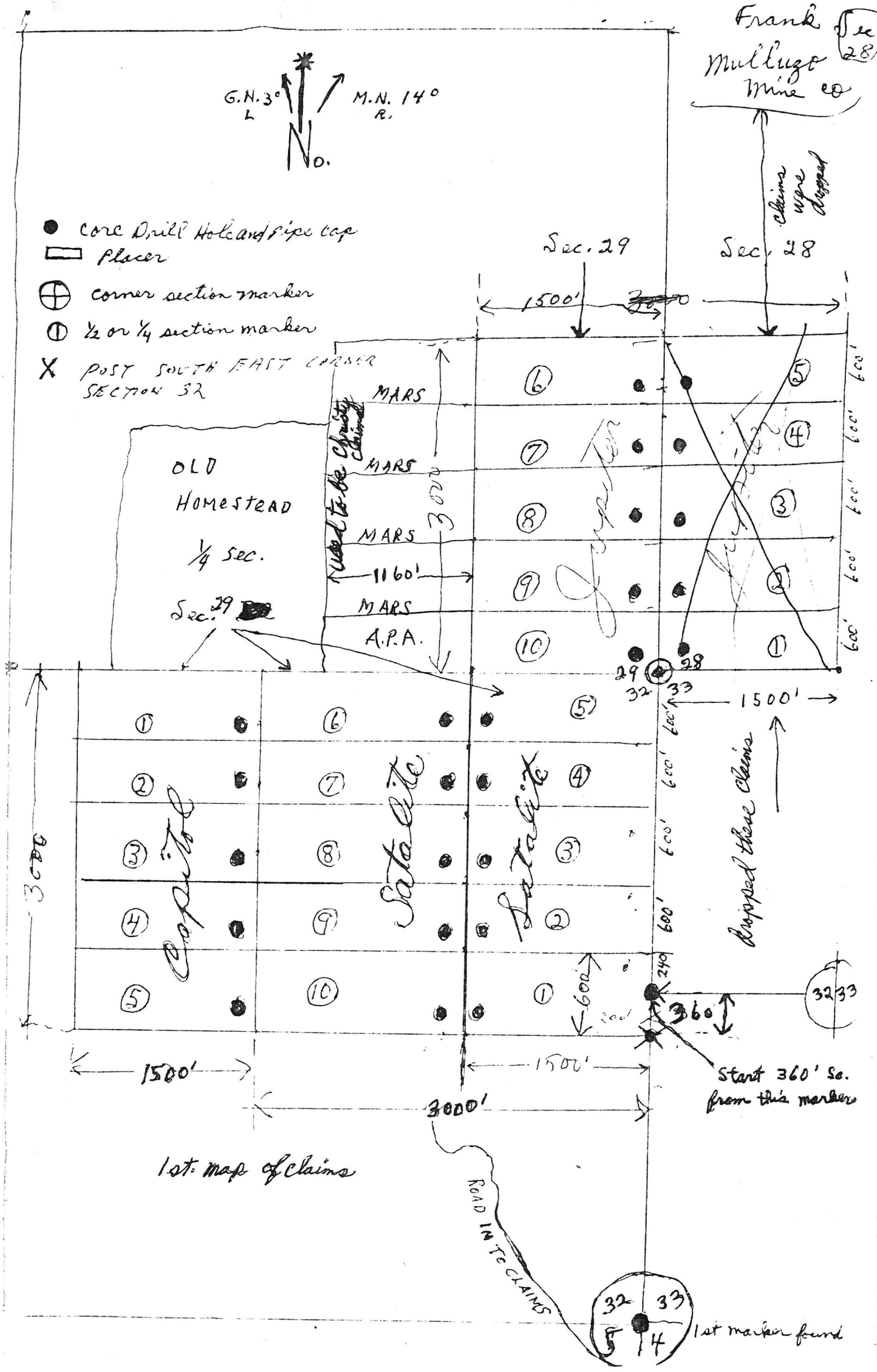
15. Lessee shall have the right to remove all machinery, fixtures and improvements placed on the Mining Property upon the termination of the Lease so long as Lessee complies with the rules and regulations promulgated by the Bureau of Land Management as more fully set forth in paragraph 8 and so long as Lessee pays all bills pertaining to the activities of Lessee on the Mining Property.

16. This Lease shall be interpreted in accordance with the laws of the State of Arizona. Lessee shall be entitled to assign, in whole or in part, its interest in this Lease and thereupon. In the event the activities of either party hereto result in the attachment of liens on the Mining Property, the party responsible for the attachment of said liens agrees to indemnify and hold the other party harmless therefrom.

17. This Lease shall be binding upon and inure to the benefit of the successors, heirs and assigns of the parties.

18. In the event litigation is instituted to enforce the terms and provisions of this Lease, the prevailing party agrees to pay to the non-prevailing party reasonable attorneys' fees.

19. This Lease supersedes all prior agreements and understandings of the parties with respect to the Mining Property.


Frank Mulligan Mine co
Sec 28
G.N. 3° L
M.N. 14° R.
No.
Core Drill Hole and Pipe cap
Placer
corner section marker
½ or ¼ section marker
POST SOUTH EAST CORNER SECTION 32
claims were dropped
Sec. 29
Sec. 28
1500'
3000
MARS
MARS
MARS
MARS
A.P.A.
used to be Christy claims
OLD HOMESTEAD
¼ Sec.
Sec. 29
1160'
600'
29
28
32
33
Capitol
Satalite
Satalite
dropped these claims
240
360
Start 360' So. from this marker
1500'
3000'
1st. map of claims
ROAD IN TO CLAIMS
1st marker found