



CONTACT INFORMATION

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The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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07/01/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: MIDDLE CAMP

ALTERNATE NAMES:

TRANSVAAL GROUP
FRANCESCA

PINAL COUNTY MILS NUMBER: 188

LOCATION: TOWNSHIP 2 S RANGE 11 E SECTION 33 QUARTER NW
LATITUDE: N 33DEG 13MIN 10SEC LONGITUDE: W 111DEG 13MIN 45SEC
TOPO MAP NAME: MINERAL MTN - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

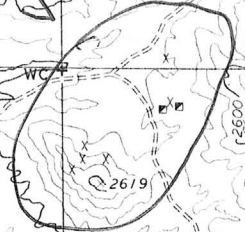
COPPER
SILVER
GOLD

BIBLIOGRAPHY:

ADMMR MIDDLE CAMP FILE

3678000m N.

MINERAL MTN QUAD
T 2S, R 11E
TRANVALL GROUP



Reymert
(Site)
Spring
27

Cottonwood

Water Tank

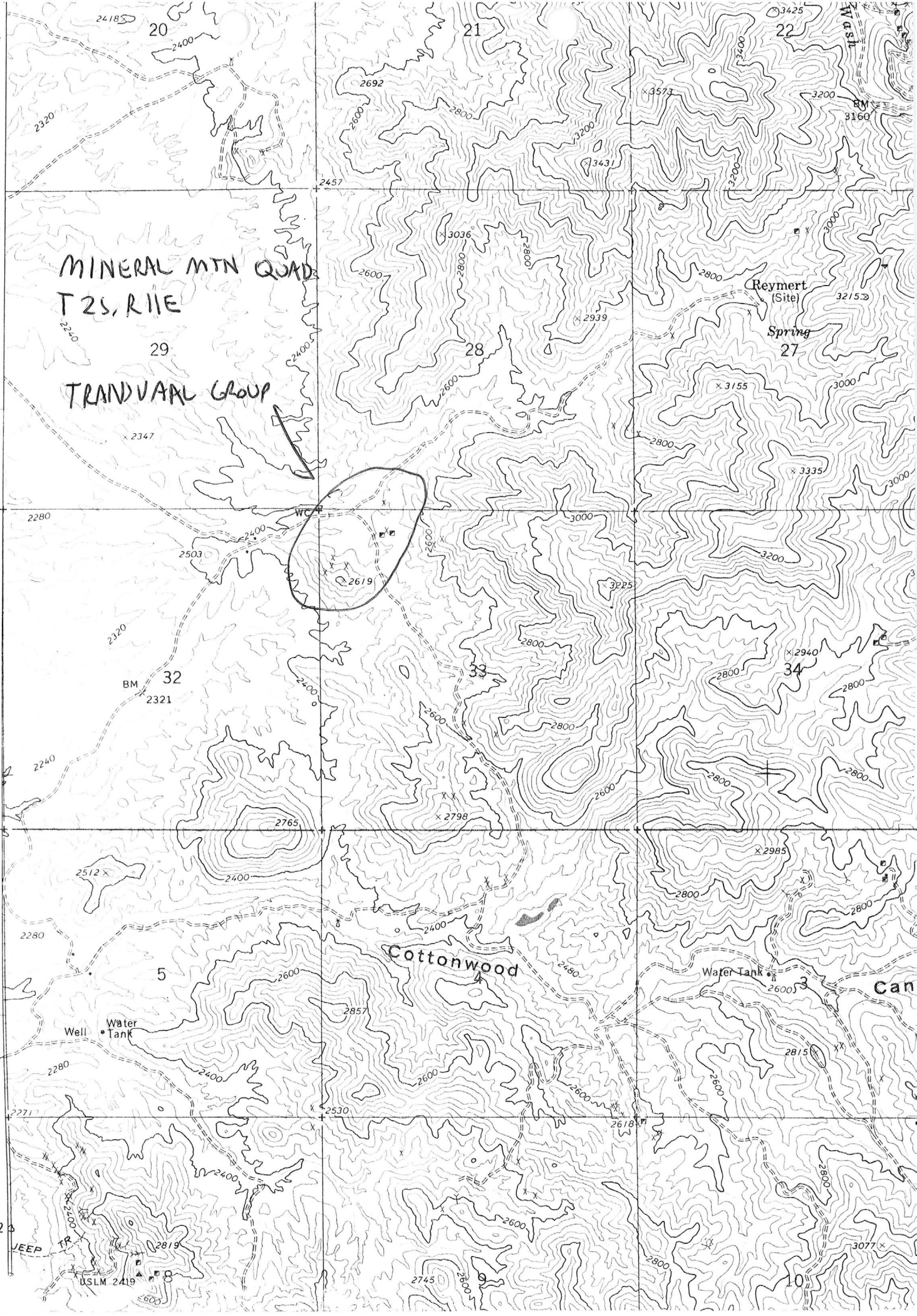
Can

Well
Water Tank

JEEP TR

USLM 2419

3677
3676
3675
12'30"
T 2 S
3674
T 3 S
FLORENCE 17 MI.



MIDDLE CAMP PLACERS (A) R M S M

COMPLETE AND MAIL
STATE MINE INSPECTOR
1624 WEST ADAMS, ROOM 208
PHOENIX, ARIZONA 85007-2606
FEB 24 1988

FOR OFFICE USE ONLY
START-UP NUMBER 88114053
STATE NUMBER 10167000
MSHA NUMBER _____

NOTICE TO ARIZONA STATE MINE INSPECTOR

Joe

In compliance with the Arizona Revised Statute Section 27-303, we are submitting this written notice to the Arizona State Mine Inspector of our intent to start stop _____ move _____ (Please check one) a mining operation.

If this is a move, please show last location: _____
If you have not operated a mine previously in Arizona, please check here: If you want the Education and Training Division to assist with your mine safety training, please check here:
If this operation will use Cyanide for leaching, please check here: _____

COMPANY NAME: Meyer Resources Inc / Meyer Properties

DIVISION: Meyer Resources

MINE OR PLANT NAME: Dome Rock Project TELEPHONE: (602) 927-4011

CHIEF OFFICER: William C. Lase / William C. Lase

COMPANY ADDRESS: P.O. Box 1757 Winnemucca NV.

CITY: Winnemucca STATE: Nevada ZIP CODE: 89445

MINE OR PLANT LOCATION: (Include county and nearest town, as well as directions or locating property by vehicle: 11 mile Exit Dome Rock Road North side Interstate 10 Turn 4N Range 20W sec 33 1/4 sec NE

TYPE OF OPERATION: Placer / ~~tail~~ PRINCIPAL PRODUCT: GOLD

STARTING DATE: JAN 7 1988 CLOSING DATE: _____ DURATION: _____

PERSON COMPLETING NOTICE: Wade Ferguson TITLE: Div Head Placer

DATE NOTICE MAILED TO STATE MINE INSPECTOR: 2/22

TRANSSVAAL GROUP

PINAL COUNTY
T2S R11E Sec 28 SW $\frac{1}{4}$, 33N $\frac{1}{2}$

~~DO NOT REPRODUCE~~

NJN WR 12/16/83: In the company of Dick Beard a visit was made to the Transvaal Group, Pinal County. Dave Taylor is operating a stamp mill here. See mine report for details of the operation.

RRB WR 6/15/84: Dave Taylor, Mineral Exploration Co., P O Box 1523, Mesa, Arizona 85201 reports that he is producing a middling of a few hundred pounds a month which assays 30 to 40 oz/ton gold in pyrite at the Middle Camp Mine (Transvaal) in Pinal County. He wants to sell it rather than try to refine it himself. I wrote him to suggest either adding it to shipments from Reymert to Inspiration or Allied Precious Metals Recycling Co., 5657 South Wilmot Road, Tucson, Arizona 85706.

RRB WR 6/14/85: Dave Taylor reports that he wants to sell his Middle Camp operation (Transvaal - file) Pinal County. He said he'd bring a package with drill data production reports, etc.

MG WR 7/12/85: Have learned that Mr. Dave Taylor (c) is attempting to sell his Transvaal mine (Pinal Co) for \$75,000. He reportedly drilled 40 diamond holes and has defined a known reserve of 10,500 tons @0.63 oz Au/ton, allowing 40% dilution. He has mined and milled about 150 tons and sold his bullion.

MG WR 7/26/85: Learned that the Middle Camp operation (Transvaal - Pinal Co) as run by Mr. Dave Taylor, can process about 10 tons per day. The gold bearing quartz veins are apparently thin, up to 3 inches thick, and discontinuous. No core, produced by Taylor, was saved from the diamond drill holes.

KAP WR 10/2/87: Dan Patch (card) reported he has purchased the Middle Camp Mine (file) Pinal County. He also reported on some drill intercepts from drilling done by Dave Taylor, a former owner. The data has been placed in the file.

RRB WR 10/23/87: David Tzylor (card) of Mineral Exploration Co., P O Box 1052, Mayer, AZ 86333, phone 632-9218 reports that he has sold the Middle Camp Mine (file) Pinal County.

MIDDLE CAMP

PINAL COUNTY

NJN WR 3/25/88: J. Donald Graham, president, Taywin Resources Ltd, 105 1285 W. Pender St., Vancouver BC, Canada V6E 4B1 (604) 684-4260 reported that he has leased the Middle Camp (file) Pinal County from Dan Patch and is conducting a surface sampling program over widths that could support open pit mining.

NJN WR 6/24/88: Dan Patch (card) reported that he liked Dave Taylor's drill data on the Middle Camp (file) Pinal County and has picked up some additional claims there. Previous drilling indicates the property has some 8-12' widths with high grades 150 feet beyond the end of the decline. Mr. Patch hopes to further test this area.

07/01/87

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GOLD

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MIDDLE CAMP PAGES (A) Rms on

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If this operation will use Cyanide for leaching, please check here: _____

COMPANY NAME: Meyer Resources Inc / Meyer Properties

DIVISION: Meyer Resources

MINE OR PLANT NAME: Pompe Rock Project TELEPHONE: (602) 927-4000

CHIEF OFFICER: William C. Lopez / William C. Lopez

COMPANY ADDRESS: P.O. Box 1757 Winchester, NV

CITY: Winchester STATE: NV ZIP CODE: 89445

MINE OR PLANT LOCATION: (Include county and nearest town, as well as directions for locating property by vehicle: 1/2 mile exit Pompe Rock Road north side Interstate 10 Turn 4N Range 200 sec 33 1/4 sec NE

TYPE OF OPERATION: Placer / ~~gold~~ PRINCIPAL PRODUCT: GOLD

STARTING DATE: Jan 7 1988 CLOSING DATE: _____ DURATION: _____

PERSON COMPLETING NOTICE: Frank J. Pearson TITLE: Dist Head Placer

DATE NOTICE MAILED TO STATE MINE INSPECTOR: 2/22

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ORE VALUES & ASSAYS

All of the following assay values are a general standard of the vein systems. Documentation of certificate and area are available upon request.

LOW ASSAYS - .10 in gold Wall Rock
.08 in gold Vein

AVERAGE ASSAYS - .22 in gold Vein
.32 in gold Vein
.37 in gold Wall Rock
.40 in gold Vein
.52 in gold Vein
.72 in gold Vein

HIGH ASSAYS - 1.13 in gold Vein
2.23 in gold Vein
2.63 in gold Vein
3.86 in gold Vein
7.64 in gold Vein *

Average assay value of 125 ton mill run .63 in gold.

* High grade pocket mined from Ironwood decline.

All samples were 90 deg. channel cuts or split bulk.

MIDDLE CAMP MINE & MILL

SUMMARY OVERVIEW

Historically, the area encompassed by the Middle Camp claims was worked on a small scale during the 1920's and 30's. Ores were processed at local mills using vat cyanide and gravity separation systems.

The current mining operation began in 1982. Effort has been focused on recovering gold from two main high-grade ore shoots within the Oro Grande and Ironwood vein systems. The Oro Grande has been developed as an openpit while the Ironwood has both surface and underground workings.

The mining method used on the Oro Grande and Ironwood veins has been to split-shoot with selective removal of the footwall portion of the vein. Assays run as high as $3\frac{1}{2}$ ounces to the ton on this high-grade material.

The gravity mill presently in operation at Middle Camp has a capacity of 4 TPD, affected by current water supply and selective (high-grade) mining practice. The ores are free milling and respond well to the current system of gravity concentration and inside amalgamation.

With an increased water supply the main crushing circuit of the existing mill is capable of processing 10 to 12 TPD. Expansion of the recovery circuit would be necessary to handle this increased production rate.

If large scale mining were to be employed, the development of another well would become necessary. A shallow water table of 70 to 90 feet and permanent output of over 15 GPM is indicated on the Salt Cedar claim by historical and current hydrology information. The favorable location of this source also allows better than 5 acres of level ground for a larger mill site. Since local ores are amenable to cyanide recovery, consideration of mill expansion should include this option and local.

Care has been taken in the development of Middle Camp to provide for future production on whatever scale may be desired. This means that the placement of known vein systems has been considered throughout. Development undertaken to date will not interfere with the complete removal of economic ores in the future.

ORE FEASIBILITY PROJECTIONS

Proven control factors:

- * 6 major mapped vein systems on Middle Camp # 1.
- * Established known depth for projection calculations 150 feet.
- * Non-selective mining width 12 to 16 inches.
- * Combined strike lengths, 1400 feet.
- * 20 cubic feet per ton calculation base.
- * Combined base assay values, .47 Au per ton.
- * Profit potential based on \$300.00 per ounce gold.

COSTS PER TON:

Mining	\$28.00 p/t
Milling	6.37 p/t
Safty (43%)	25.63 p/t

cost per final ton \$60.00

ASSAY BASE:

- (A) .47 Au p/t assay
 - (B) - .20 mining & milling cost
-
- (C) .27 Au p/t profit potential

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3.86 in gold Vein
7.64 in gold Vein *

Average assay value of 125 ton mill run .63 in gold.

* High grade pocket mined from Ironwood decline.

All samples were 90 deg. channel cuts or split bulk.

ORE FEASIBILITY PROJECTIONS cont.

TONNAGE:

- (A) 10,500 tons in sight
- (B) 40% dilution factor (over break)
- (C) 6,300 direct ton units

Calculation Description:

Tonnage (C) X Assay Base (C) X \$300 Gold = Profit range
Profit Range, \$510,300.00 on logged veins.

POTENTIAL RESERVE:

Undeveloped vein systems on Middle Camp 2 & 3 and Salt Ceder # 1, show simular ore development potential and assay values. Estimated reserve calculations 2.25 times current profit range.

NOTE:

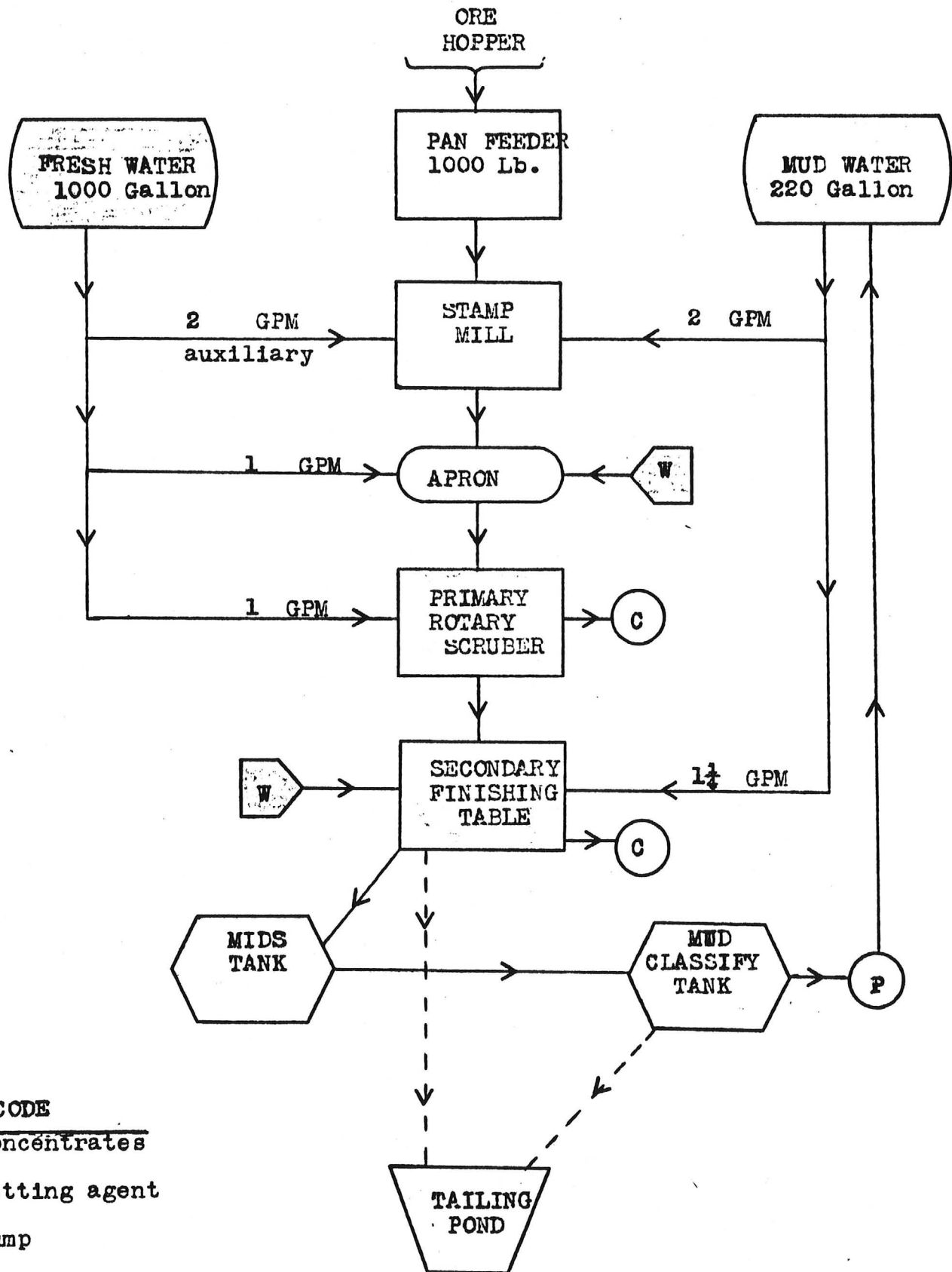
All calculations have been based on gold value only. Silver values in the vein systems exist in a ratio of $2\frac{1}{2}$ to 1 (ie; silver to gold).

A massive fault-shear containing large amounts of silver and lead occurs in the Middle Camp # 2 claim along with several gold bearing vein systems. This shear system may have good profit potential and should be investigated.

MINERALS EXPLORATION CO.

MIDDLE CAMP MILL FLOW CHART 7/84

P.O. BOX 1523, MESA, AZ. 85201



CODE
 C- concentrates
 W- wetting agent
 P- pump

PROPERTIES

MIDDLE CAMP # 1 (one) Bk. 1097 Pg.161 BLMAMC 149333

MIDDLE CAMP # 2 (two) Bk. 1097 Pg.163 BLMAMC 149334

MIDDLE CAMP # 3 (three) Bk. 1097 Pg. 165 BLMAMC 149335

SALT CEDER # 1 (one) Bk.1097 Pg. 167 BLMAMC 149332

Section 33, Township 2 South, Range 11 East G&SRB&M

Mineral Mountain Mining District

Pinal County, Arizona

BLM land status

82½ acres total

MINING EQUIPMENT

AIR COMPRESSOR

105 CFM Gardner-Denver air compressor, trallor mounted

FEED LEG DRILL

Gardner-Denver Model 58 drill and feed leg

DRILL ASSESSORIES

350 plus feet air hose and connections
various drill steels, sweed, knock-on, 8 ft. to 4 ft
drill oil, water connections (goose neck)
miss. knock-on bits
receiver tank 2ft. by 5 ft.

MINE VENTILATION

6 inch discharge stationary lobe blower, $\frac{1}{2}$ HP 110 v.
35 ft. sheet metal air pipe (6 inch)
20 ft. canvas spring blower bag (6 inch)

HOIST

6 ton cable drum winch hoist and frame
8 HP gasoline engine and Dodge roller-grip clutch
100 ft. plus $\frac{3}{8}$ in. steel hoist cable
miss. cable clamps, extra cable

ORE CAR SKIP

$\frac{3}{4}$ ton hoist-skip "B" car, non-swivel front dump
steel car crab

ORE CHUTE

5 ton enclosed ore loading chute

FIRST AID EQUIPMENT

3-man kit, emergency strecher, fire extinguisher
* Meets applicable federal and state requirements

TIMBER

Custom framed 6" by 8" timber sets and lagging to
fully timber decline to 100 feet.
50 lbs. 8 inch timber spikes

STEEL AIR and WATER LINE

80 ft. $1\frac{1}{2}$ inch black iron air line (installed)
80 ft. $\frac{3}{4}$ inch galvanized drill water pipe (installed)
miss. pipe fittings, pipe sections

MINING EQUIPMENT cont.

MINE V TRACK

110 feet 2" V track installed (surface and underground)
turn sheet, swivel switch, bumpers
track oil, car stop

PORTABLE SINKING HOIST

4 leg frame, 16 inch cable sheave
35 gallon ore bucket
100 ft. $\frac{1}{4}$ inch steel cable
All steel construction

TOOLS

miss. picks, shovels, bars, handles, etc.
wheel barrow, chains, cables.

COB HOPPER

heavy steel construction, 2" grizzly

MINE JACKS

2 inch dia. bar screw type, pipe extension (2)

MILLING EQUIPMENT

MAIN ORE HOPPER

single compartment, 25 ton - storage to mill

FEEDER

Tulloch pan feeder, 1000 lb. capacity, 3" grizzly

STAMP MILL

modern 5 stamp battery, California pattern, Colorado box
multi-belt drive, variable screen classification
16 HP Tecumseh cast iron industrial engine, electric start

APRON

primary concentrate, spray bar

PRIMARY SCRUBBER

4-leaf stainless steel 18" spiral separator, 12 VDC
10 amp battery charger in-line to mill electrical system

SECONDARY FINISHING TABLE

2' by 4' Peden adjustable stroke finishing table
head box and launders, $\frac{1}{2}$ HP electric, 110 AC

PAN AMALGAMATOR

350 lb capacity, 42 inch cast iron-steel
5 HP gasoline engine

DRUM-MILL AMALGAMATOR

100 lb capacity, $\frac{1}{2}$ HP 110 VAC
miss. mill balls

WATER CLASSIFICATION SYSTEM

800 gallon galvanized clarification tank
1200 gallon masonry mud settling tank

WATER RECIRCULATION SYSTEM

$1\frac{1}{2}$ " Tate centrifugal mud pump, 5 HP gasoline engine
250 gallon galvanized mud water storage tank

TAILING DISPOSAL POND

Earthen, fenced

MILLING EQUIPMENT cont.

MILL BUILDING

2 level, wood, galvanized steel, 288 square foot
fully wired and plumbed

- * Plumbing circuits include fresh-water and mud-water systems with cut-overs to adjust water usage.
- * Miscellaneous equipment includes buckets, spray and washdown hoses, cleanup equipment, and tools.

ASSAY LAB

ATTACHED TO MILL BUILDING; 64 square feet
acid shower and sink, vented acid hood
work benches, cupboards, chemical glassware storage
fully wired and plumbed

FIRST AID EQUIPMENT

- 3 man kit, fire extinguishers (2)
- * Meets applicable federal and state requirements.

LABORATORY EQUIPMENT

BATCH AMALGAMATOR

$\frac{1}{4}$ HP, 110 VAC , 1 gallon capacity

RETORT

8-10 lb. capacity, LP fittings and regulator
black iron w/ fire ring, $\frac{3}{4}$ in. water fittings

REAGENTS

Carboy Nitric Acid ($\frac{1}{2}$ full)

UTILITIES AND STORAGE

FRESH WATER

(Domestic and mill)

Well: 6 inch, 352 ft. deep, 5 plus GPM(permanent)
Pump: TEEL Deep-well submersible, md. 3P618, 220 V
Control Box: TEEL md. 1P925, 1 HP, 220 V
Storage: 1000 gallon galvanized 12 gauge closed tank
timer, breaker- fuse box, service box
fully wired and plumbed

ELECTRICAL

5000 watt power plant, 110/220 VAC, DAYTON (well & mill)
2000 watt power plant, 110 VAC, POWERLITE (mine)
main electrical service boards
overhead line installation
miss. electrical parts, wire, cable, service boxes etc.

STORAGE BUILDINGS

Shop/Storage: 64 sq. ft., lights and electrical outlets
Fire extinguisher, galvanized building

Fuel Storage Shed: 24 sq. ft, open face, posted, fire
extinguisher, fuel drums

* Meets federal code for storage.

HOUSING

MOBILE HOME

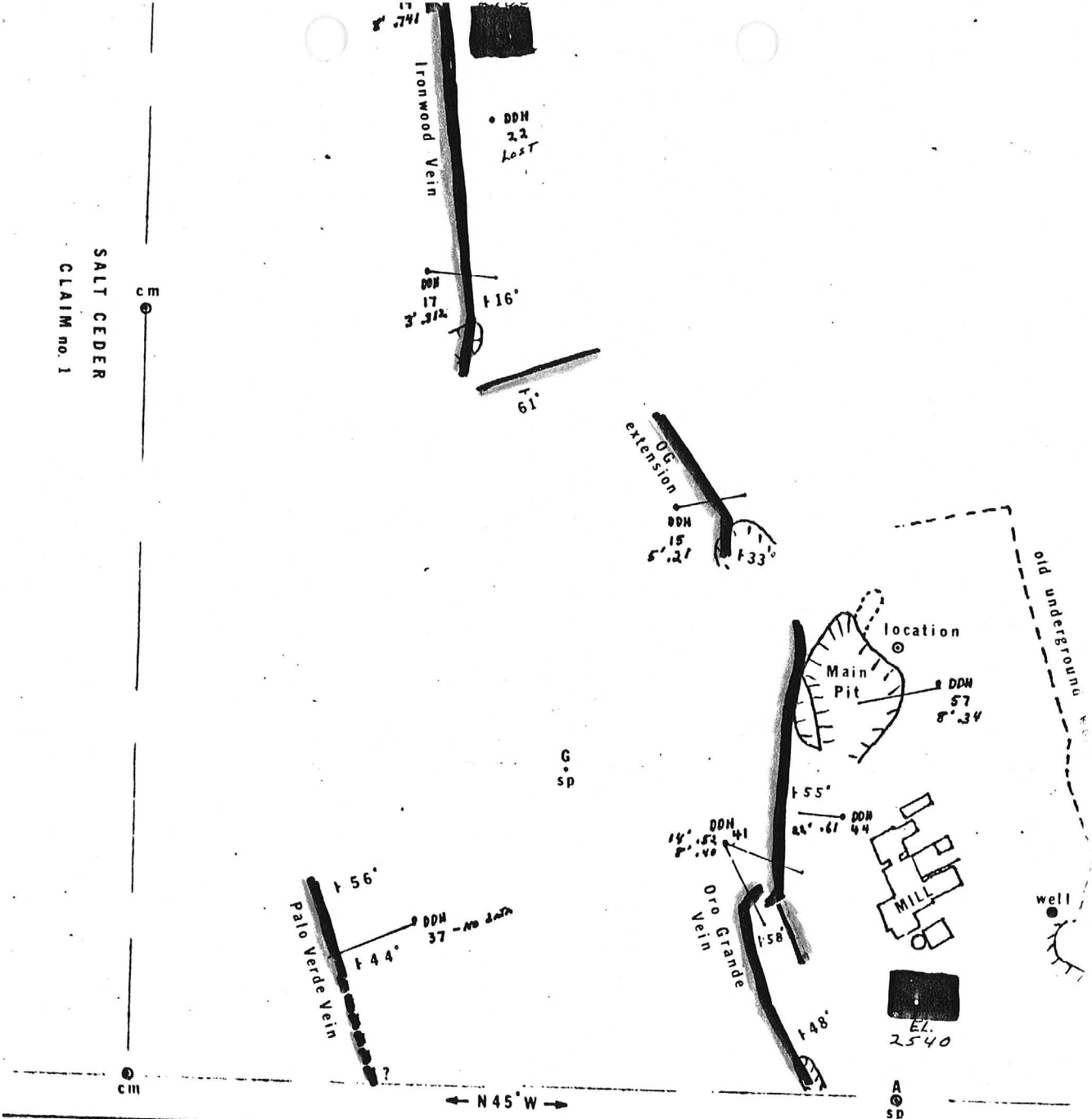
8' by 21', with LP catalytic heater, running water
110 V outlets semi-furnished, fenced yard, garden.

OFFICE TRAILOR

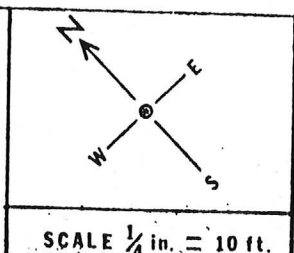
7' by 14', w/ table, bed, storage and air conditioner
(Office and/or bunkhouse)

OUTHOUSE

SALT CEDER
CLAIM no. 1



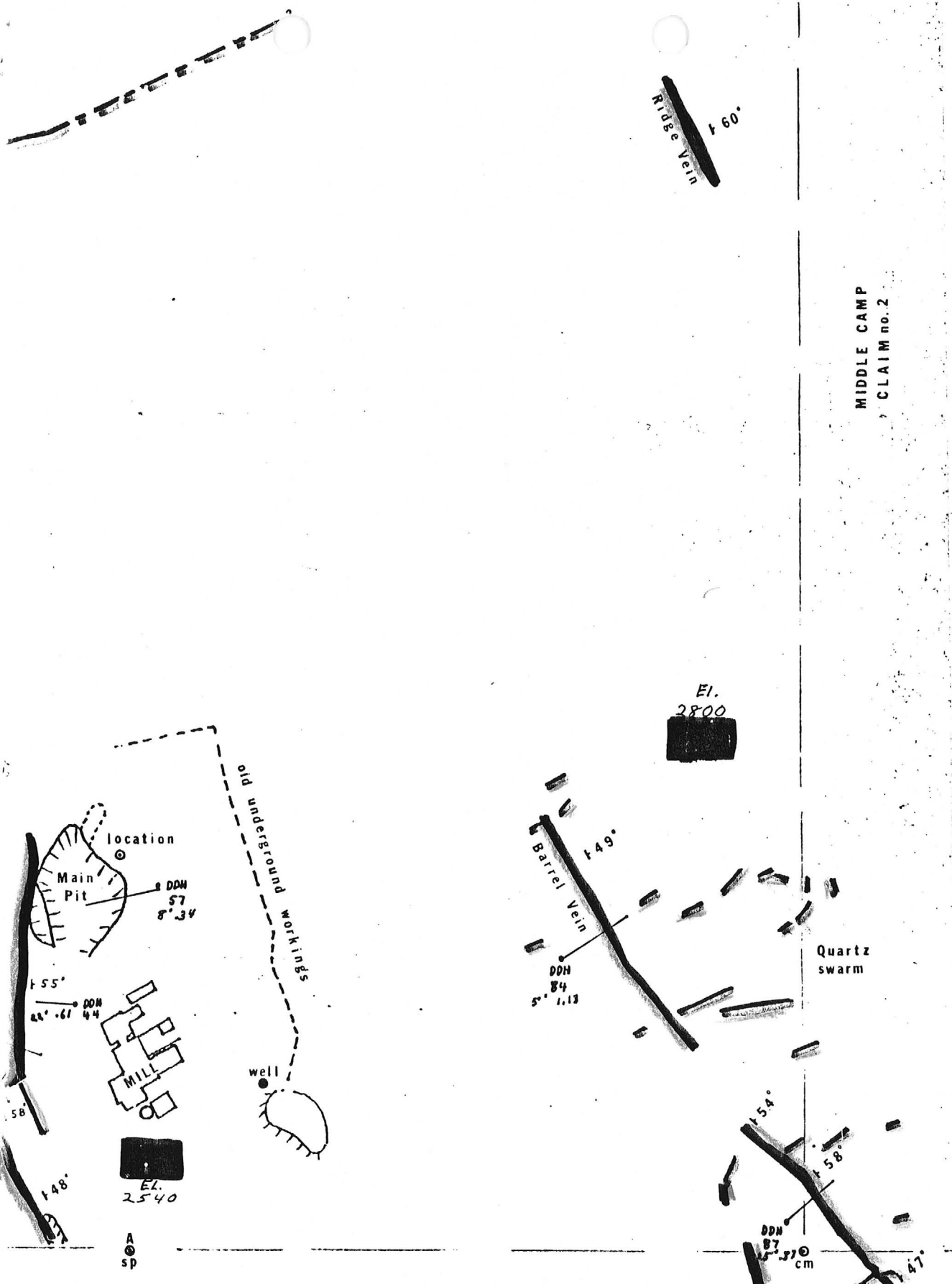
Ore Shoot	
Quartz	
Survey Point	X sp
Claim Monument	cm
Dip	



GEOLOGICAL
MIDDLE CAMBRIAN
T2S - R11E - NW 1/4 SEC 33 - I

1 of 4

MIDDLE CAMP
CLAIM no. 2



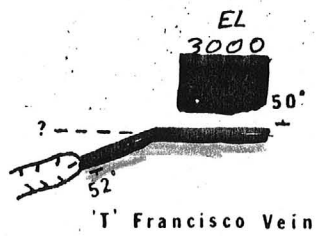
GEOLOGIC SURVEY

MIDDLE CAMP MINE no. 1

R11E - NW 1/4 SEC 33 - PINAL COUNTY, ARIZONA

REVISIONS	BY
FIELD SURVEY JANUARY 85	D.T.T.
MAP DRAWN MAY 85	D.T.T.

2 of 4



DDH
63

L.
sp

Ridge Vein
60°

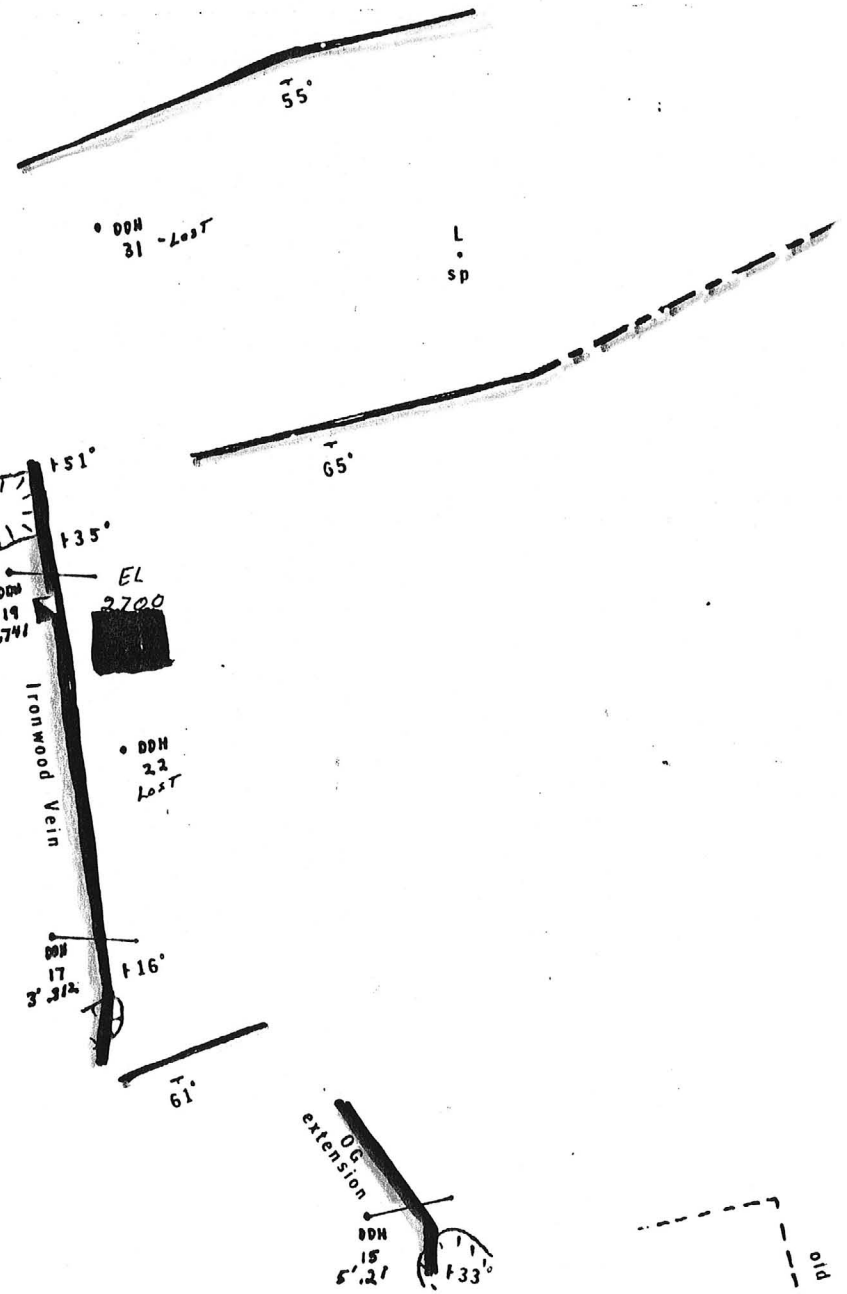
MIDDLE CAMP
CLAIM no. 2

3.14

SALT CEDER
CLAIM no. 1

cm

E



4.A4

MISCELLANEOUS EQUIPMENT SUPPLIES

assorted pile of metal scrap, angle iron, pipe etc.

assorted electrical supplies, wire etc.

assorted hoses, air and water

miss. nut-bolt hardware

mechanical parts, gears, belts etc.

buckets, oil drums, block grease etc.

107 Letter 17
Correct Cards for Taylor
Purchase Middle Camp from Properties for Sale list.

AMB
CR



MINERALS EXPLORATION COMPANY

PO BOX 1052 • MAYER, ARIZONA 86333 • (602) 632-9218

14 October 1987

Mr. Richard Beard
Field Engineer
Az. Department of Mineral Resources
Mineral Building, Fairgrounds
Phoenix, Arizona 85007

Dear Dick:

Several months ago you referred a gentleman to us who was interested in purchasing a gold mine. I appreciate your involvement and assistance in referring him to Middle Camp Mine and Mill near Superior. We sold Middle Camp earlier this year, and it is no longer on the market.

Also, we have moved our operations to Mayer. I am taking this opportunity to enclose a business card with our current address and phone number.

I hope this letter finds you well, and look forward to working with you again in the not-too-distant future.

Sincerely,

David L. Taylor



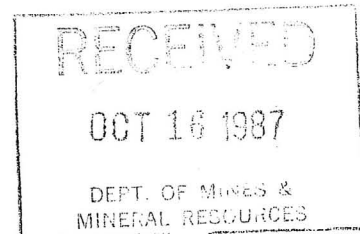
MINERALS EXPLORATION COMPANY

ENGINEERING • EXPLORATION
MINE & MILL DESIGN

(602) 632-9218

DAVID L. TAYLOR
MINING FIELD ENGINEER

PO BOX 1052
MAYER, AZ 86333



Transvaal
(A)
(F)

FOR SALE: Middle Camp Mine and Mill. Four lode claims, Pinal County, Arizona. Complete turn-key operation with all mining and milling equipment, housing, power, etc. High grade free milling veins. \$75,000, possible terms to right party. This is a producing mine, not a hole in the ground. The price is low because we need the cash flow. Principals only. For more information write: DAVID TAYLOR, P.O. Box 1523, Mesa, AZ 85201.

FOR SALE: Eight inch custom built Gold Dredge with dual axle trailer, electric brakes. Dredge is one piece construction with in-hull power plant. Flared main sluice with secondary undercurrent recovery system. Excellent fine gold recovery, fuel drums, rigging gear, dive gear. Engines and air compressor rebuilt this year. \$8,500 or best offer. Pictures, information. RICHARD W. STRINGER, 2450 Garden Ave., Klamath Falls, OR 97601. (503) 883-3538 after 6 pm.

red vitriol. Same as bieberite, $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$
See also rose vitriol. Fay.

SILVER NOTES

ASARCO Incorporated reached an agreement with Cyprus Minerals Co. to purchase the ore reserves of the Pima Mine. The Pima Mine, located in Arizona, operated from the same pit as Asarco's Mission Mine, but has been closed since 1982. Ore reserves at the Pima Mine are predominantly copper ores with some byproduct of reserves grading 0.76% copper and 0.17 ounce silver per ton at yearend 1984. Terramar Resources Corp. reportedly agreed to purchase the Evening Star property, a former byproduct silver producer located adjacent to Terramar's Reid Mine in California, according to the U.S. Bureau of Mines.

NEW GOLD VEIN DISCOVERY: 4 ft. to 5 ft., .56 oz gold per ton. Located on 115 acres patented mining claims, which has shipping record of \$283,000 at \$20 per oz. gold. For sale or lease. P.F. ADAMS, P.O. Box 843, East Helena, MT 59635. (406) 227-6106.

FOR SALE: Trommel, 25 t.p.h., approximately 3' x 12', or trade for small jig and table. Write for pictures and information. LEE SIGLOCH, General Delivery, Iowa Hill, CA 95713.

reduction works. Works for reducing metals from their ores, as a smelting works, cyanide plant, etc. Fay.

Prospector's Advertising Service
Oct. 15 - Nov. 15

ENGINEERING FEASIBILITY STUDY:

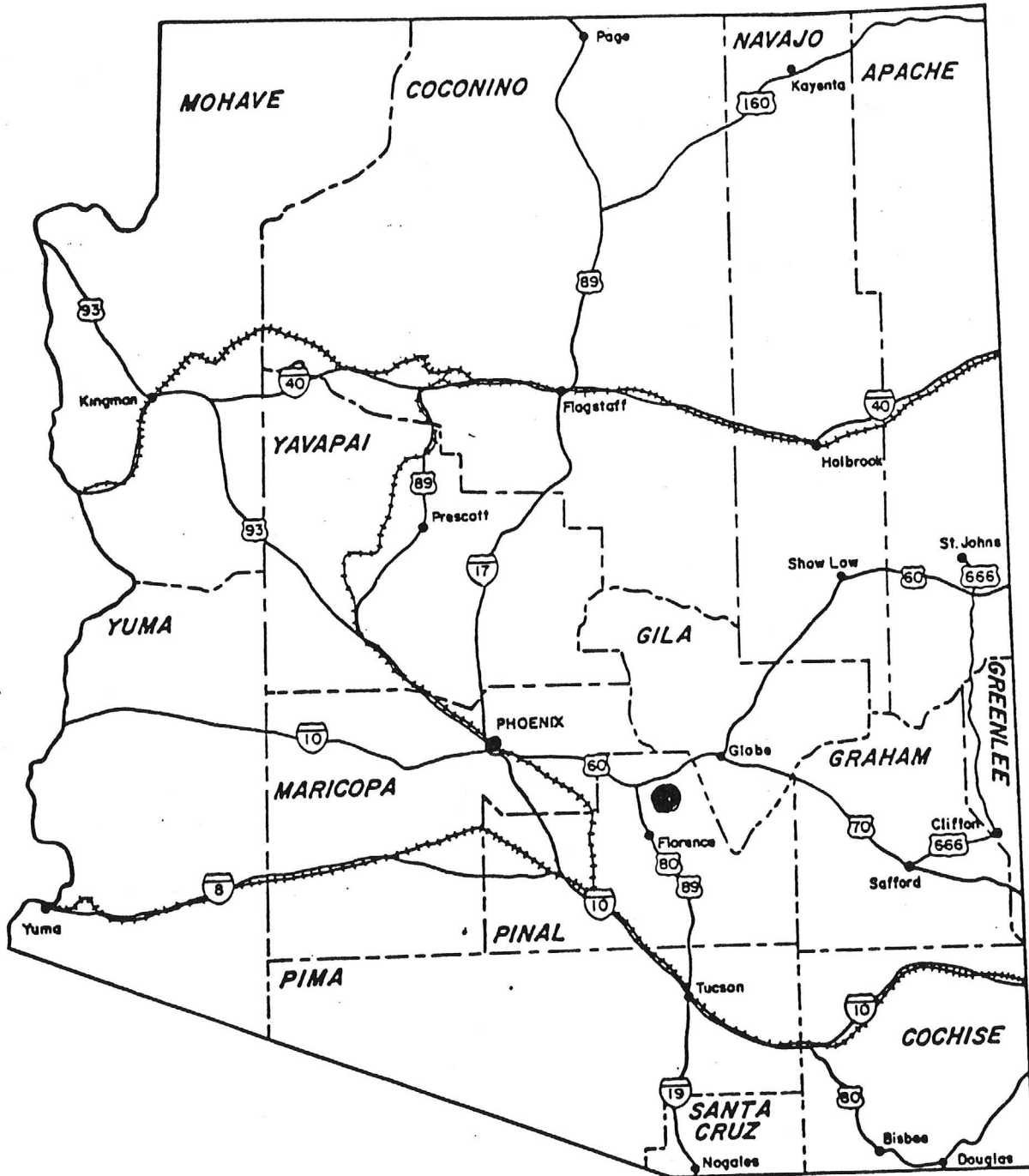
Middle Camp Mines 1 - 3

Salt Ceder Mine 1

PINAL COUNTY ARIZONA

1985

PROJECT MAP



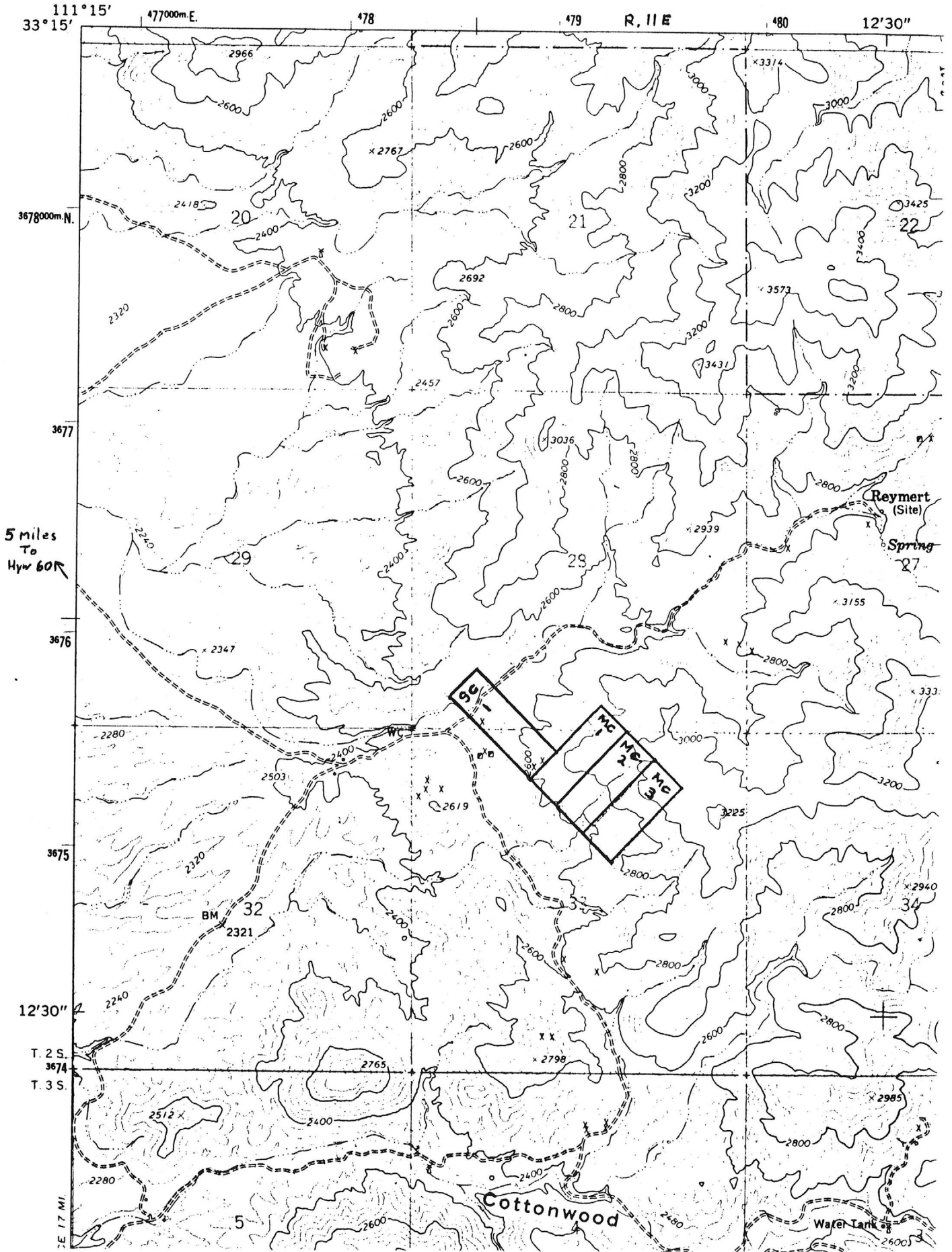
received from
Tucson office

FLORENCE JUNCTION
370 IV SE

MINERAL MOUNTAIN ADRANGLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Arizona - Pinal County



MIDDLE CAMP DATA

September 21, 1987 data from the man that did the exploration work on Middlecamp Mine and was the original locator.

David Taylor, he said: Diamond Drill hole #19 cut 12' of ore assaying .741 in gold at a depth of 127'. Drill core was assayed by Magma Mine assay office at Superior Az. and at Iron King Mine office at Humbolt Az. and some by David Taylor. I believe the data to be dependable.

Items of interest:

- a. Oxide ore turns to sulphide at about 350' except for some mixed relict sulphides.
- b. At about 15'-17' down in the decline shaft is a galena vein about 2" in width; decline shaft on Ironwood vein is 45' deep.
- c. An 8° decline at the bottom of the ore chute would crosscut the vein at about 130' depth where ore assay was .741 Au. o.p.t. D.D.H. #19.
- d. Most of values are found on the footwalls and perhaps some of the wall rock may run some in value. This may be more likely on the barrel vein where assays are .86 and 1.13 Au. o.p.t. in drill holes #84 and 87 over 5' and 25'.
- e. Old adit near mill shows some .06 assays but is not good.
- f. Old callapsed adits over ridge easterly show some values.
- g. Deepest D.D.H. is 180'.
- h. Well produces 3-5 GPM and will pump 1000 + gal. per day water table probably at 100' on flat 5 acre site on Salt Cedar claim, Hydrology indicates 15 + GPM at this site.

D.D.H. DATA

Drilled 1982-83

<u>Hole #</u>	<u>Depth</u>	<u>Vein Intercept</u>	<u>Assay Au. o.p.t.</u>	<u>Width</u>
15	87	82	.21	5'
17	110	107	.312	3'
19	135	127 Dip almost	.741	8'
22	lost	vertical		
31	lost			
41	100	86-92	.52-.40	14'-8'
44	175	153	.61	22'
57	52	44	.34	8'
63	lost			
84	145	140	1.13	5'
87	60	35	.86	25'
37	42	?	?	?

The Ironwood and barrel veins are very good and the T Francisco vein looks very promising and has visible Au. It is on top of hill (may want to use dozer here.) Veins in this area are very persistent and of good Au. grade.

In the past there has been considerable old activities on silver veins in this area. Middlecamp 2 has a large shear zone showing galena, manganese, amethyst quartz and outcrops for about 300'. S.E. of above is a copper hematite vein showing gold by panning.

The lead silver vein runs about 6-11 oz. silver and 11% and up in lead. Cyanide leach works very well on this gold ore in these mines as most of the gold is very fine.

The gold mill ran about 300 tons according to Taylor and gave a good test record of the tenor of the ore, aprox. $\frac{1}{2}$ oz. gold per ton or better.

Taylor estimates about 10,500 tons of ore in sight for milling and about 20,000 tons if leaching is used as lower grade ore can be leached. The above figures are predicated on about 150' depth, although it is probable that the ore will extend to much deeper levels, however, no drill hole on this property extends at present more than 180'. In view of the above it is likely that ore reserves will be much greater than shown in this report.

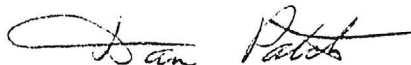
Since gold was figured at \$300 per oz. on page 4 "ore values and assays" and "ore feasibility projections" in calculating profit it is easy to see the huge increase in profit projections since gold at this writing is \$460 per oz. Only figuring logged "drilled" reserves the figure of \$510,300 jumps to \$1,518,300.

If estimated reserve calculations are included as shown on the same page as above "page 4" then the profit estimate would be \$3,036,600 then if this same calculation is carried forward estimating a 300' depth on the ore, the figure would almost double again.

My observations of Taylor's report indicates that he was conservative in most respects although I would question the mining and milling costs since his figure computes costs at about \$120 per oz. of gold produced.

In any event this property has real potential for a producing profitable small precious metals mine.

September 26, 1987



DAN PATCH

DESCRIPTION: TOPOGRAPHY & GEOLOGY

Although this part of Pinal County is chiefly noted for its copper production, prior to 1932 this county ranked sixth in gold production in Arizona. Approximately 265,000 recorded ounces of gold were produced, of which 150,000 ounces came from lode gold mines.

The local area was prospected early in the 1870's when the Silver King silver mine and the Magma copper mine were located near Superior, Arizona. With the influence of local ore buyers, prospectors located and developed widespread workings around Superior from the 1880's to the late 1920's.

Major early production in this district was on the silver-gold deposits at the Reymert, Ajax and Silver Bell mines (1). Extensive underground mining was conducted at these sites. Since most of the district was without major roads until the early 1930's, small lode gold operations were limited to crude arrastra concentration or hand grading of the free milling ores.

During the 1920's and 1930's the T & F Mining Company worked several large gold ore bodies 3/4 mile east of the Middle Camp location. Middle Camp shows extensive activity during this period. The "T" Francisco and, later, T & F Mining Company did some small lode mining on what is now the center of the Middle Camp group. Recent area development on the gold deposits has been limited to the old Lucky Strike group (currently Chakaverde and Elkhorn) and smaller independent operations to the south, and, of course, Middle Camp.

GEOLOGY & MINERALIZATION

The entire properties lie within a large area of sericite mica schist which covers most of the mining district. The schist is cut in numerous places by a series of large and highly mineralized shear zones which traverse the country in a NW-SE direction. Small rhyolite intrusives occur within general area of properties. The ore veins that occur on the Middle Camp group are strong, well-defined quartz with an average width of 12 inches and up some strikes better than 1000 feet.

Veins of the area pass through lenses both horizontal and vertical. These veins pass through lenses of ore with narrow bottlenecks within the veins. At the bottlenecks the schist is severely shattered but more strongly or densely silicified. It is assumed that these bottlenecks represent flat pre-mineral shears which are roughly parallel to the bedding planes of the schist. The rough vein trends are NE to SW with the shear planes at an oblique angle to the main veins. The lenses are somewhat tapered from the bottom to the top, with the wide part being at the top against the inferred shear planes. Generally the shears show only as iron stained bands in the surface rock.

Blebs of quartz and local stringers carry gold, with the larger gold often associated with a coffee-brown colored limonite. Some copper carbonates are present. Milling has indicated that the gold is free in the limonite and manganese. Sulfide is largely limited to pyrite. It is of local opinion that the gold was introduced with the pyrite. This is most probably true as this is a very common association. Most visible gold can be observed in relict pyrite to iron-manganese.

The gangue of the Middle Camp veins consists mainly of quartz and schist. Florite and calcite occurs in some of the veins but is rare in the larger ore bodies. The metallic minerals consist of free gold and some pyrite and chalcopyrite. This gold is characteristically fine grained and generally visible only in the richer ore.

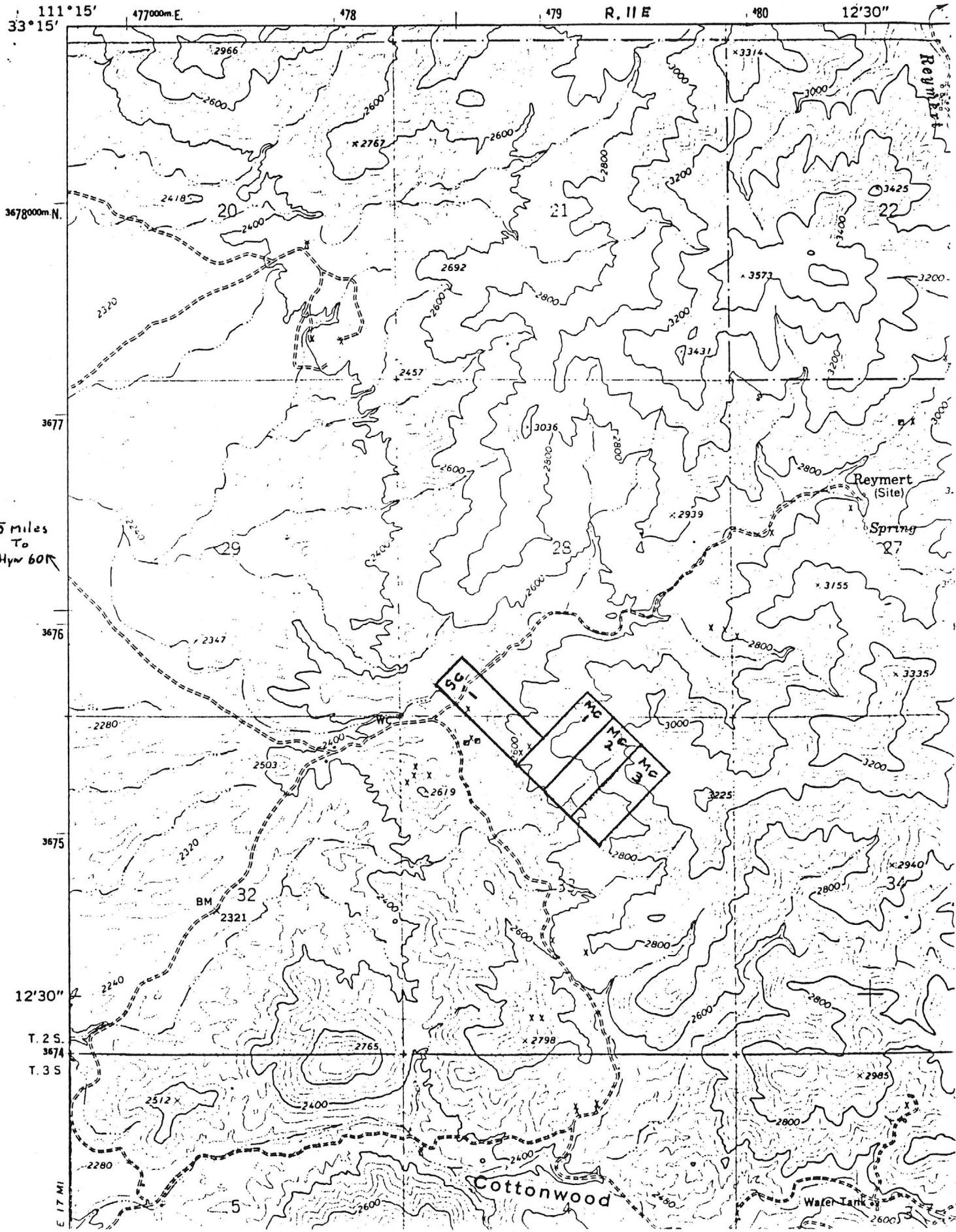
ORE DESCRIPTION TYPES:

- (1) Fine grained quartz with vugs and stringers filled or lined with red to yellow limonite. The gold in this is free, and occurs as irregular bunches. Some wulfenite has been noticed.
- (2) Massive pyrite ore (partly oxidized) which contains gold. Galena in tiny bunches is locally present.
- (3) Schist ore which is banded by quartz stringers and swelled bunches of quartz. The quartz follows the schist laminae. Gold grain size is generally fine.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Arizona - Pinal County

30 IV SE
ANCE JUNCTION



MINING CLAIMS

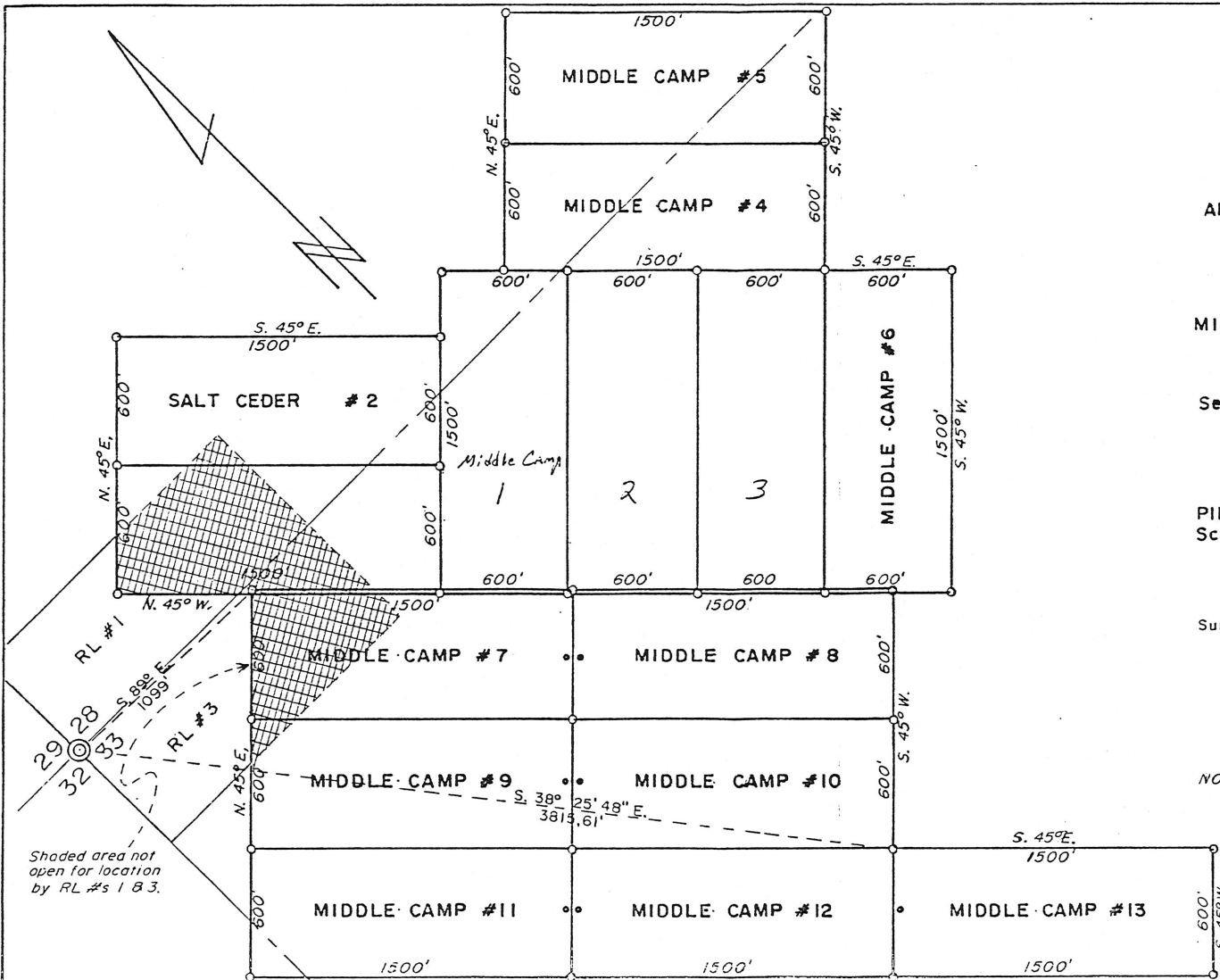
OF
ARIZONA GOLD MINES, INC.
 6850 North 86th Street
 Scottsdale, AZ 85253

KNOWN AS
MIDDLE CAMP #'s 7-13 lodes.
 SITUATE IN
 Secs. 32 & 33, T. 2 S., R. 11 E.,
 G. & S.R.M.

PINAL County Arizona
 Scale 1" = 600' Mar 3, 1988

Surveyed by:
 Harvey W. Smith, E.M.
 Del Tierra Engineering
 & MINING Corporation

NOTE: ° - denotes location monument.
 All monuments are 2"x2"x4'6" posts.



MINERALS EXPLORATION CO.

P.O. Box 1523, MESA, AZ. 85201

Transvaal Group File

K on

*SEND COPY TO } done
TUCSON }*

Richard R. Beard
Field Engineer
Department of Mineral Resources
Mineral Building - Fairgrounds
Phoenix, AZ 85007

14 August 1984

Dear Dick:

Thank you for checking on purchasers of metal concentrates for me. I located one in Mesa (Metal Refiners, Ltd.) that may be helpful. I was favorably impressed visiting their plant and talking with them but have not done business with them yet.

For your information, we are now doing high-grade custom milling for the public. Our capacity is low, but we can produce concentrates or doré. If you know of people needing small lots (up to 5 ton) of ore run, we may be able to help them. We will send you a copy of our schedule if you like.

Please stop by if you are in our area. You and your associates are always welcome.

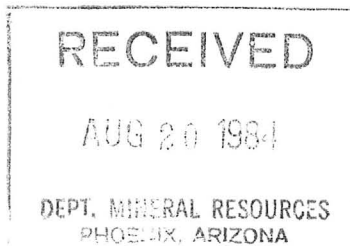
Thank you, again, for your time and assistance.

Sincerely,

Dave Taylor

Dave Taylor

*Ann
Please make sure we have a
"mill" for this operation.
cash*



DLT/lt

DEPARTMENT OF MINERAL RESOURCES

MINE AND PROSPECT DATA SUMMARY

Sheet 1 of 3

COMMODITIES Gold

MILS ID NO. 188 (Mineral Mtn #3 an unknown) ^{CHANGE TO TRAMMABLE FOR MILS} DATE 12/14/83

ENGINEER Nyal J. Niemuth & Richard R. Beard

Information from Dave Taylor PROPERTY SUMMARY

I. MINE NAME Transvaal Group (file)

OTHER POSSIBLE NAMES Middle Camp (currently used) & Francesca

II. LOCATION: T 2S R 11E Sec(s) 28 SW $\frac{1}{4}$, 33 N $\frac{1}{2}$ MINING DISTRICT Mineral Hill

ELEV 2500 STATE Arizona COUNTY Pinal TOPO: Mineral Mtn.

DIRECTIONS 3/4 mile east of milepost 215 on Hwy 60-70. Turn south on county road. Follow for 4 $\frac{1}{2}$ miles (county road not shown on topo).

MAP ATTACHED yes

III. OWNERSHIP: NAME Dave Taylor PHONE _____

ADDRESS: P.O. Box 1523, Mesa, AZ 85201

DATE OF INFORMATION 12/14/83 DBA Minerals Exploration Co.

IV. PROPERTY AND HOLDINGS: 4 unpatented mining claims.

Middle Camp #1-3 AMC 149333-5

Salt Ceder #1 AMC 149332 DATE OF PROPERTY STATUS 12/83 MAP: No

V. HISTORY: FIRST LOCATED _____ OPERATED BY _____

DISCUSSION First known history 1906. Name Francesca (operator unknown); next 1932, Transvaal Group, Mike Guzman Sr. operator.

REPORTS ATTACHED _____

VI. PAST PRODUCTION Estimated at about 50 tons of high grade vein material

SCHEDULE(S) ATTACHED

DISCUSSION _____

VII. CURRENT STATUS Active - Recent production of about 400 tons vein material
1½ - 4 oz Au/ton. Milled grade probably 3-8 oz Au/ton by hand cobbing.

VIII. WORKINGS New decline 46' deep. Without labor, mining costs are about
\$22/foot.

LOCATION MAP ATTACHED

IX. GEOLOGY: DEPOSIT TYPE Vein VEIN STRIKE NE

DISTANCE: +300 explored WIDTH 12-14" mnlzd. DIP 40°E AGE Tertiary ?

HOST ROCK: Pinal Schist AGE Precambrian ORE Gold

CONTROL Fault Fissure fillings

Existing Report(s) attached _____ Report Based on New Examination Attached _____

X. MINEROLOGY: ECONOMIC MINERALS: Gold, free 80% is 100 mesh

GOSSAN MINERALS _____

ALTERATION Hanging wall Au slickenslides and gouge

GANGUE Quartz, calcite, hematite, manganese oxides, minor copper

XI. MERALLURGY Free milling Without labor \$1.70/ton milling cost

METHOD OF DETERMINATION _____ METALLURGICAL REPORTS ATTACHED _____

* REMARKS See page 4 for details of mill and operation.

XII. EQUIPMENT ON SITE Mill building, various gas engines, stamp-amal gamation
mill, electric generator, 2 camp trailers, water tank, ore bin and shoot.

XIII. SAMPLE DATA _____ SAMPLING TECHNIQUE Drilling

300' of vein drilled. Deepest drilling is 150'.

SAMPLES TAKEN BY _____ NUMBER OF SAMPLES _____

DATE _____ ASSAY REPORT(S) ATTACHED _____

DRILLING Plus 40 holes TYPE _____ TOTAL FOOTAGE Unknown

WHEN DRILLED Within last 2 years DRILLING REPORT ATTACHED No

XIV. GEOCHEMISTRY _____ TYPE _____ TYPE ANOMOLIES _____

REPORT(S)/MAP(S) ATTACHED _____

XV. GEOPHYSICS _____ TYPE _____

ANOMOLIES _____

REPORT(S)/MAP(S) ATTACHED _____

XVI. AERIAL PHOTOGRAPHY _____ PHOTO ATTACHED _____

XVII. RESERVES: PROVEN 300 tons CALCULATIONS ATTACHED No PROBABLE 1200

CALCULATIONS ATTACHED _____ POSSIBLE Open to Northeast CALCULATIONS ATTACHED No

DISCUSSION _____

XVIII. REFERENCES AND REMARKS Misc. One well on property table, water 350' deep.

Well produces less than 20 gpm.

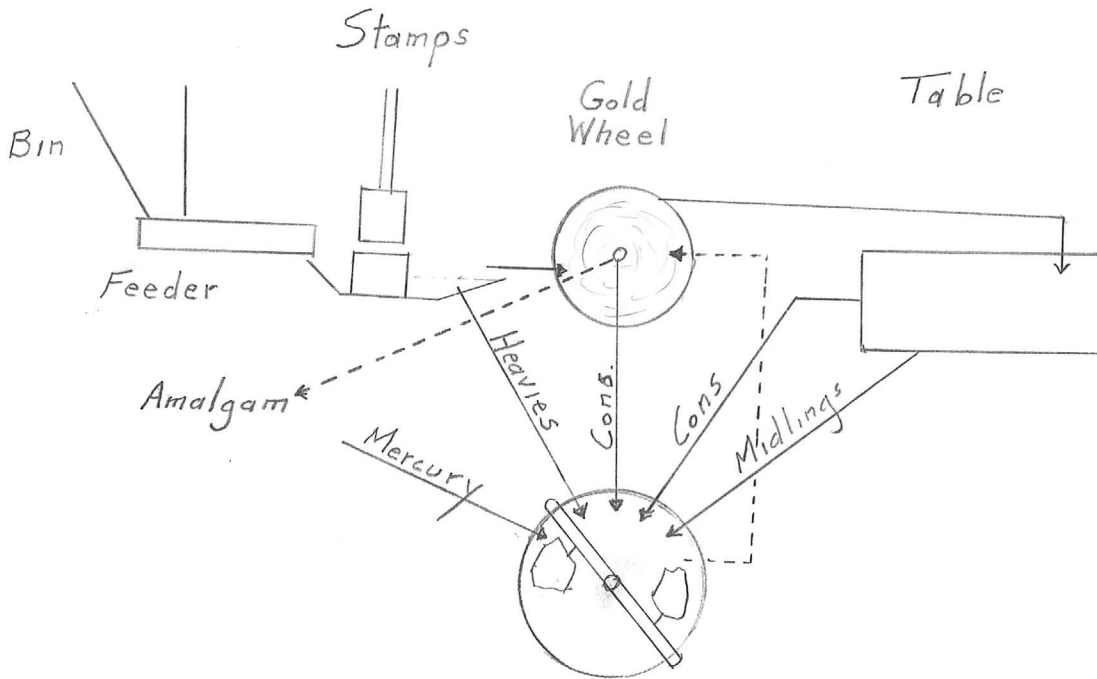
See page 4 for a description of the Middle Camp Mill

Stamp Mill

300# stamps, 5½" dies, 7¼" drop, 72 drops/min, 1.6 hp/stamp, driven by 16 hp gas engine

Table

Approx. 2' x 5', ¾" stroke, 110 strokes/min.



Operation

Hand cobbled ore at minus 4½" is fed to mill by feeder that is controlled by the travel of one stamp. It is reduced to minus 20M by the 27th stroke at a feed rate of ¼ to ½ ton/hr.

The heavies collect in the mill discharge pan and the overflow is fed to the concentrating wheel. Overflow from the wheel goes to the table. Concentrates join the concentrates and midlings from the table in the arrastre where they are amalgamated.

The concentrating wheel is then used to separate the amalgam from the pulp.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Transvaal Group

District Mineral Hill Mining District

Former name

Owner s (George N. Lobb
(Manuel Guzman

Operator

President

Mine Supt.

Principal Metals Copper, silver, gold

Production Rate

Power: Amt. & Type

Operations: Present

Property inactive at present.

Operations Planned

Further development when able to finance.

Number Claims, Title, etc.

Nine unpatented claims.

Description: Topog. & Geog.

Low hills and washes. Cactus and other desert growth.

Mine Workings: Amt. & Condition

1	Inclined shaft	approximately	95 feet	in depth.			
1	"	"	35	"	"	"	
2	"	"	40	"	"	"	each one.
1	Vertical	"	65	"	"	"	

Approximately 60 feet of drifts.

Various shallow pits and open cuts.

All workings are accessible.

(over)

Geology & Mineralization There are two types of veins on this property; one consisting of a number of more or less distinct north-south breaks in diabase which seem to be roughly parallel to a nearby contact with schist. Lenses of chalcocite carrying good silver values occur at places along these breaks. The other veins are highly silicious zones which strike ~~##~~ in varying directions through the schist. These veins show chalcoppyrite and copper carbonates in the quartz. All the ores carry gold and silver values with **Ore: Positive & Probable, Ore Dumps, Tailings** the copper. Most of the veins exposed on the property have quite flat dips, varying from 20 to 50 deg.

Development insufficient to permit any tonnage estimate.

Mine, Mill Equipment & Flow Sheet

No equipment on the property.

Road Conditions, Route

The road to the property follows U.S. Highway 70 for 11 miles west from Superior, then a fair county road for the remaining five miles. Inquire in Superior for route.

Water Supply

A domestic supply is all that has been developed to date.

Brief History

The present owners have shipped a small amount of ore from this property but have lacked the funds to continue development.

Special Problems, Reports Filed

The chief problem is to finance further work.

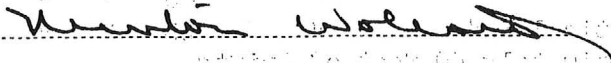
Remarks

There is in addition to the lode discoveries, a considerable area of ground at the lower end of the property which the owners state carries good placer values, but this area has had no development to determine its extent or value.

If property for sale: Price, terms and address to negotiate.

Property for sale or lease. Communicate with owners for terms.

Signed.....



DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Transvaal Group

Date December 14, 1939

District Mineral Hill Mining District

Engineer Newton Wolcott

Former name

Location 16 miles southwest of Superior

Owner s (George N. Lobb
(Manuel Guzman

Address Box 46, Superior, Arizona

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Copper, silver, gold

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present Property inactive at present.

Operations Planned Further development when able to finance

Number Claims, Title, etc. Nine unpatented claims.

Description: Topog. & Geog. Low hills and washes. Cactus and other desert growth

Mine Workings: Amt. & Condition

1	inclined shaft	approximately 95 feet in depth
1	" "	" "
2	" "	35 " " "
1	Vertical "	40 " " "
		65 " " "

Approximately 60 feet of drifts
Various shallow pits and open cuts. All workings are accessible.

(over)

Geology & Mineralization

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Signed Newton Wolcott

Use additional sheets if necessary. Separate sheets on each problem.

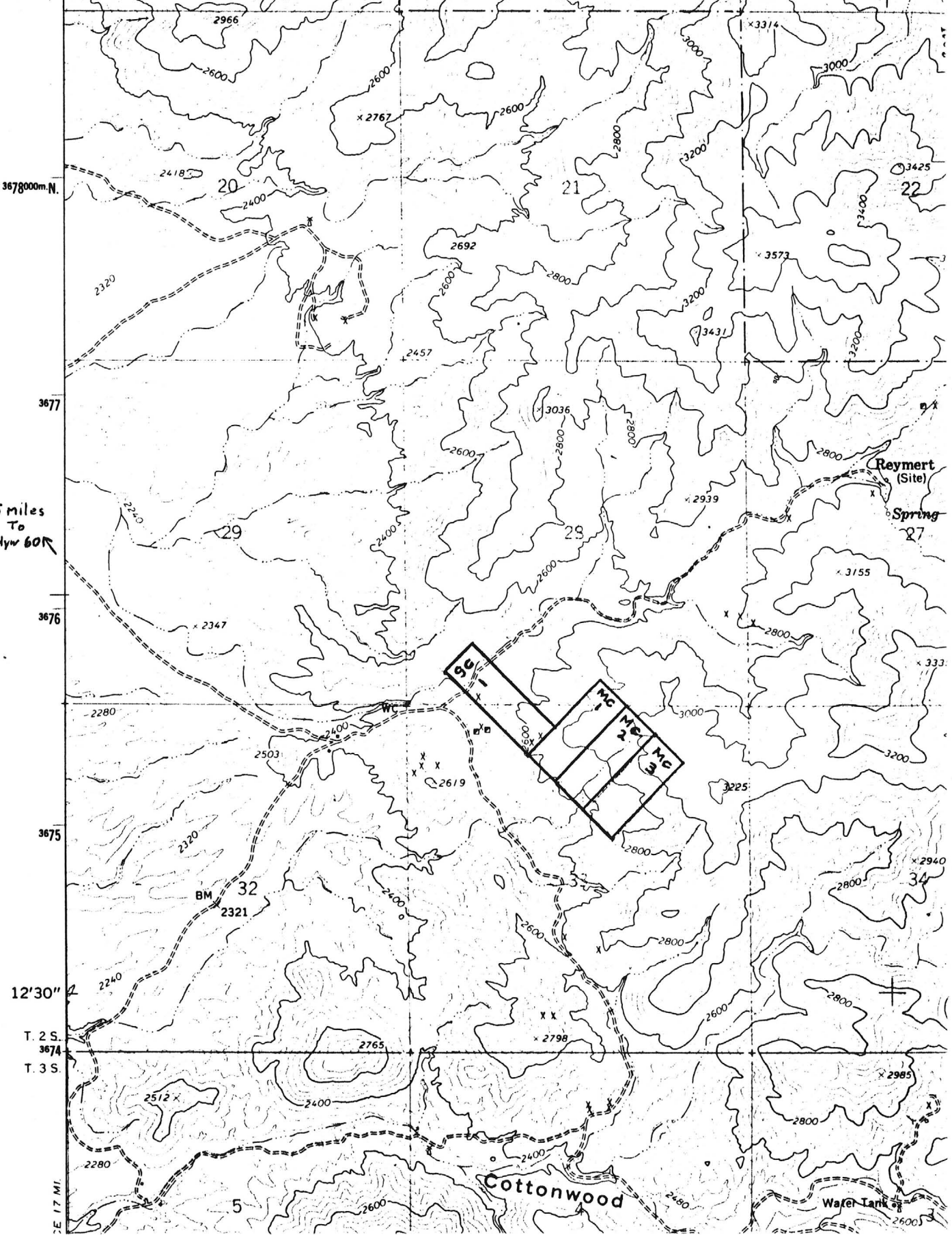
FLORENCE JUNCTION
370 N SE

MINERAL MOUNTAIN ADRANGLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Arizona - Pinal County

111° 15' 33' 15" 477000m.E. 478 479 R. 11 E 480 12' 30"



5 Miles
To
Hwy 60

T. 2 S.
3674
T. 3 S.

1/2 E 17 MI.

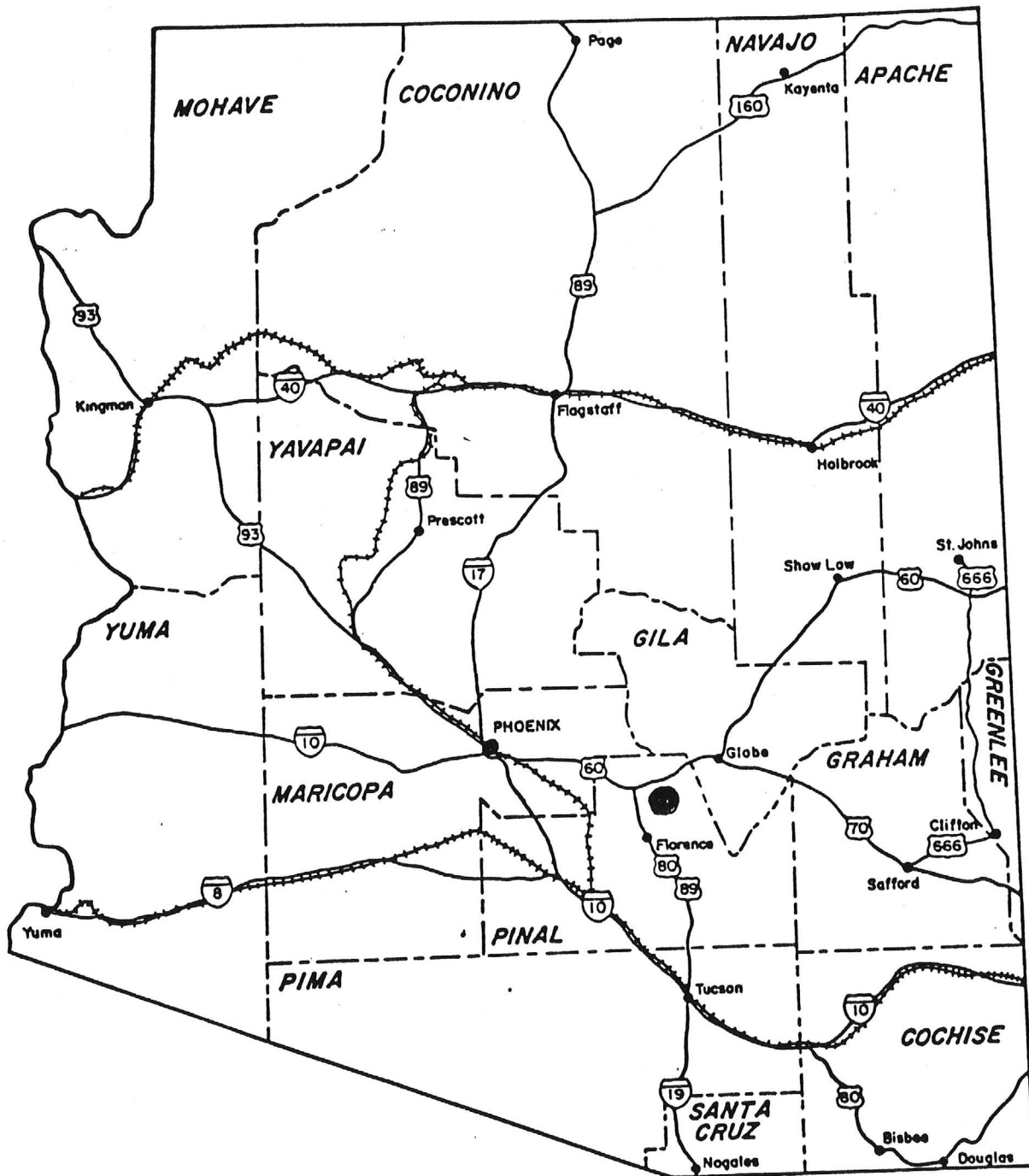
TRANSVAL (P)

14/MS

ENGINEERING FEASIBILITY STUDY: Middle Camp Mines 1 - 3
 Salt Ceder Mine 1
 PINAL COUNTY ARIZONA

1985

PROJECT MAP



received from
Tucson office

1st Letter in Middle Camp (T) Grant County
Correct Cards for Taylor Min. Exp. Co.
Remove Middle Camp from "Properties for Sale" list.



MINERALS EXPLORATION COMPANY

PO BOX 1052 • MAYER, ARIZONA 86333 • (602) 632-9218

14 October 1987

Mr. Richard Beard
Field Engineer
Az. Department of Mineral Resources
Mineral Building, Fairgrounds
Phoenix, Arizona 85007

Dear Dick:

Several months ago you referred a gentleman to us who was interested in purchasing a gold mine. I appreciate your involvement and assistance in referring him to Middle Camp Mine and Mill near Superior. We sold Middle Camp earlier this year, and it is no longer on the market.

Also, we have moved our operations to Mayer. I am taking this opportunity to enclose a business card with our current address and phone number.

I hope this letter finds you well, and look forward to working with you again in the not-too-distant future.

Sincerely,

David L. Taylor

MINX MINERALS EXPLORATION COMPANY

ENGINEERING • EXPLORATION
MINE & MILL DESIGN

(602) 632-9218

DAVID L. TAYLOR
MINING FIELD ENGINEER

PO BOX 1052
MAYER, AZ 86333

RECEIVED

OCT 16 1987

DEPT. OF MINES &
MINERAL RESOURCES