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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 09/05/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: TURNING POINT PROPERTY

ALTERNATE NAMES:
LEGAL TENDER AMD. MS 1353, PAT
GOLDEN WONDER AMD. MS 1353, PA
TURNING POINT AMD. MS 1353, PA
TUBA CITY MINING & MILLING CO.
SOUTHERN AZ MINES INC. PROP.
SW DESERT ENTERPRISES PROPERTY
RAINBOW CLAIMS
GOLDEN WONDER

PINAL COUNTY MILS NUMBER: 673

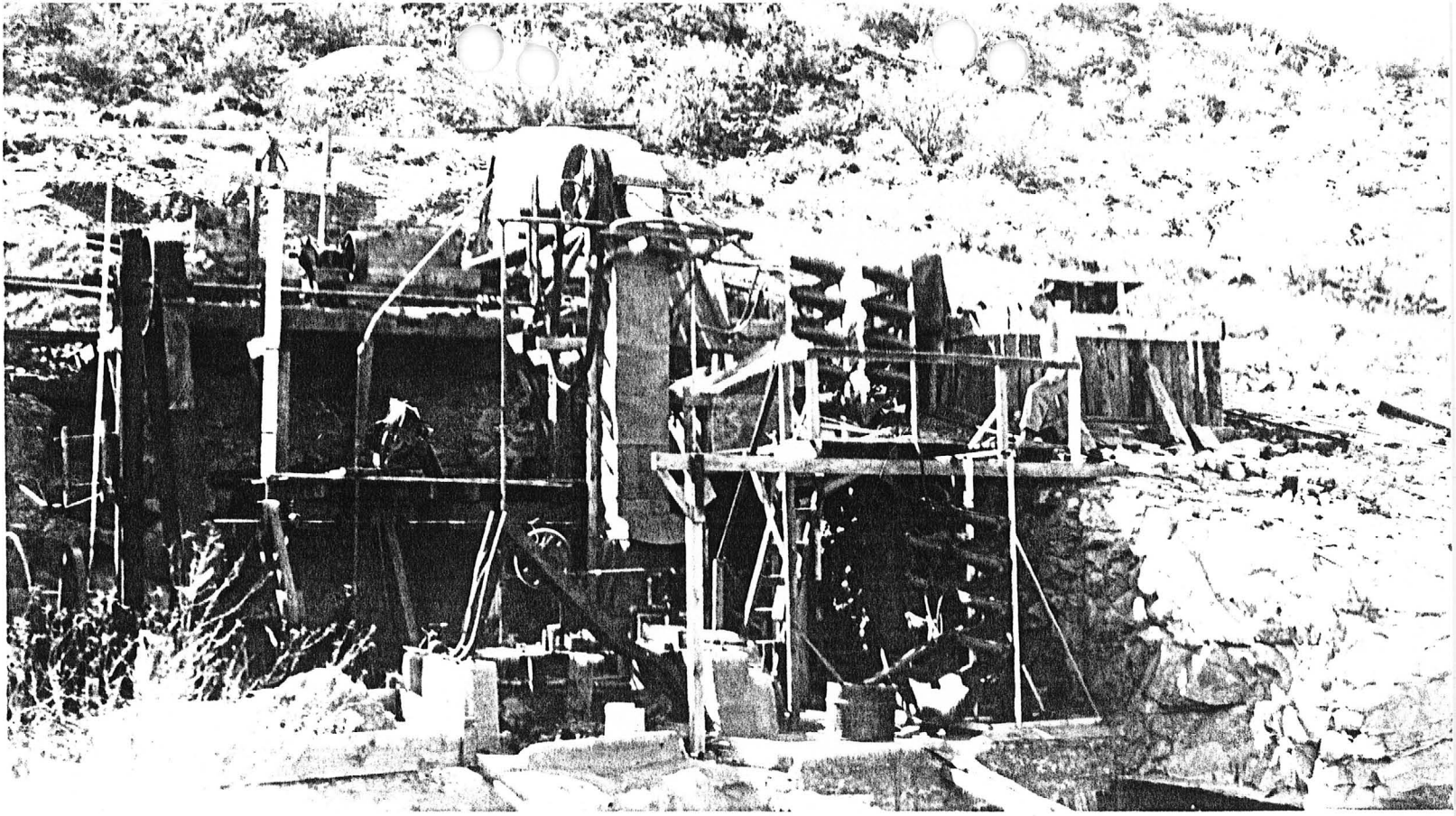
LOCATION: TOWNSHIP 9 S RANGE 4 E SECTION 36 QUARTER SE
LATITUDE: N 32DEG 35MIN 59SEC LONGITUDE: W 111DEG 53MIN 46SEC
TOPO MAP NAME: NORTH KOMELIK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
SILVER
GOLD
LEAD
MOLYBDENUM

BIBLIOGRAPHY:
BLM MINING DISTRICT SHEET 556
TENNEY, JAMES, HISTORY OF MINING IN AZ,
1927-29, P. 337-338
TENNEY, J.B., ECONOMIC GEOLOGICAL RECONN. OF
CASA GRANDE MINING DISTRICT AZBM 1934,
P. 22-23
ADMMR TURNING POINT FILE
ADMMR U FILE, PINAL AG9
HAMMER, DONALD F., GEOLOGY AND ORE DEPOSITS
OF THE JACKRABBIT AREA PINAL CO., AZ. MS
UOFA 1961
ADMMR JACKRABBIT FILE
ADMMMR SOUTHERN ARIZONA MINES, INC. FILE
ADMMR DESERT QUEEN FILE
AEC PRELIM. RECONN RPT 172-488, P 8; 1953

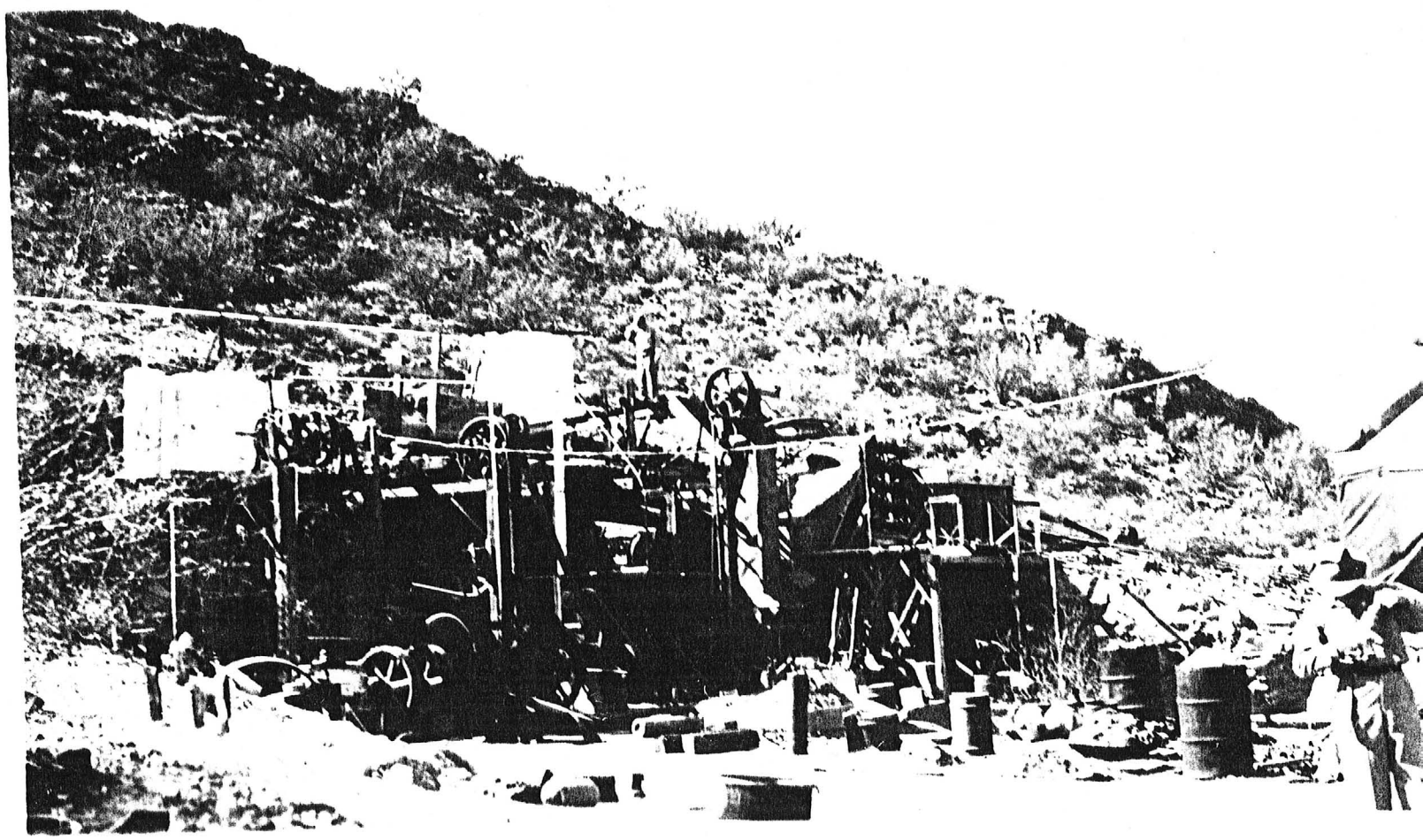
Tat Momoli Pass
Tat Momoli
Tat Momoli
BM 1525
USLM 1353
Jackrabbit Mine
Turning Point Mine
Desert Queen Mine
Ramona Mine
Red Chief Mine
Orphan Mine
Well 1591
BM 1551
Prospects
SLATE
4WD
35
36
31
32
2
1
6
5
11
12
8
14
13
T 9 S
T 10 S
35′
(SILVER REEF MTS. SE)
3649 III SE
Turning Point
T9S R4E Sec 36 SE
North Momelik 7.5



A-190-11

TURNING POINT

C-1950



A-190-10

C-1950

NAME OF MINE: TURNING POINT
OWNER:

COUNTY: Pinal
DISTRICT:
METALS: Au

OPERATOR AND ADDRESS		MINE STATUS	
Date:		Date:	
7/45	Merrill, Casa Grande	7/45	Milling

*

MINING JOURNAL 7/28/45

Date Printed: 08/20/98

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION SUMMARY

Information from: **Chris Angelo**

Company: Turning Point Rock

Address: 500 N. Metro, No. 2285
City, State ZIP: Chandler, Arizona 85226
Phone: 602-927-1899

MINE: **Turning Point Mine**

ADMMR Mine File: Turning Point Mine
County: **Pinal**
AzMILS Number: **673**

SUMMARY

Chris Angelo, Turning Point Rock, 500 N. Metro, No. 2285, Chandler, Arizona, 85226, phone 602-927-1899 brought in a copy of a report on the physical properties of aggregates made from the limestone on the Turning Point Mine [Pinal AZMILS 673] property. Chris Angelo hopes to get approval from the Arizona Department of Transportation (ADOT) for the limestone to be usable on ADOT projects. He reports contact with three contractors who have shown an interest in the material.

The patented property surrounded by the Tohono O'Odham reservation was historically a precious and base metal property. The unmineralized limestone and dacite resources may be the property's most valuable short term asset. Mr. Angelo reports that he has a geological report that says the deposit contains approximately 22,000,000 to of 70% limestone.

Ken A. Phillips, Chief Engineer Date: August 20, 1998

May 16th, 1935

Mr. Frank Free,
Phoenix, Ariz.

Dear Sir:-

At your request I have made a brief examination of the La Plata group of mining claims in the Casa Grande district, and will submit herewith a brief outline of the conditions as found, and my opinion regarding the property.

As you are already familiar with those facts concerning the group regarding number of claims, ownership, road and water conditions, shipping facilities etc., such matters will not be included in this brief report.

From a geological point of view the La Plata property is qite ideal to develop into an important and successful producer of silver, lead and gold. The general formation is an andesite intrusion into Paleozoic limestone. Subsidance has caused faulting and shearing in the adjacent limestone and on the contact, and in the andesite itself These zones have formed channels for ascending solutions or gasses carrying economic minerals, which have been deposited in the channels, or replaced the adjacent rock.

Considerable subsequent leaching has taken place so that the ore as evident at present consists mostly of unleached remnants of the original deposition. The proper level should produce an important secondarily enriched zone - probably around two hundred to three hundred feet below the surface.

The andesite intrusion is strong and continuous for several thousand feet and the characteristic mineralization is general along with. You cannot expect that this entire length will all be ore, but there should be several important ore shoots along the general strike, each one controlled by a similarcombination of fracturing.

There are several shafts on the property, from a few feet to two hundred feet or more in depth. Unfortunately much of this work is caved and inaccessable, but it all shows evidence that excellent values and considerable tonnage must have been obtained by the "old timers", and with more modern methods of mining, ore treatment, and transportation, together with present metal prices, much better results should be obtained now.

F. F. #2

Five samples were taken by myself. Their description and assay results were as follows:
(1) Dump of shaft #8. Evidently rejects from previously sorted ore. Gold .02; Silver 1.2; lead tr, total value $1.55.
(2) Dump of shaft #7, Andesitic material. Rejects from mine operations. Gold .02; silver 3.2; lead 2.5%; total value $4.10.
(3) Dump of high grade lead ore from shaft #7. Wagnon says there is a 12" vein of same in middle of main vein below. Gold .26; silver 128.2; lead 25.8%; total value $104.10.
(4) Pillar of ore four feet wide between shafts #4 and #3. High grade silver showing in this ore. This vein dips flat east so that old work was under it. Gold .03; silver 102.4; lead 4.5%; total value $79.85.
(5) Dump at shaft #2 on south end. Looks as if it had been screened and is purely rejects. Gold .05; silver .8; lead (oxidized, no lead); total value $3.05.

The lower grade samples of the above lot are hardly representative of any ore condition of the mine, but were taken more with the idea of determining whether any values existed in these old dumps that might be recovered in a modern mill.

The two high grade samples are quite representative of those unleached spots in the vein, and are an interesting indication of what might be expected if the vein is developed below the leached zone.

I cannot advise that any mine be made to make the mine pay its own way by direct shipping. The high grade ore is too spotty and irregular where accessable at present. I can however recommend the property for a development program, with view to blocking out milling ore, and the expectation that deeper and more consistent development will also open up important and consistent shoots of shipping ore.

I could hardly advise the erection of a mill until there has been considerably more development, a reasonable quantity of ore has been definately blocked out, and put in shape to be economically mined. However, from an inspection and general knowledge of other properties nearby, especially the Turning Point Mine, I believe that a general mill in the district, to treat ore from the several properties, would be immediately feasible and successful.

Trusting the above gives you the desired information,

Yours Very Truly,

C. H. Munning /s/

Mining Engr.

Facsimile Cover Sheet

To: Vern Kelly
Company:
Phone:
Fax: 733-3114
CC:

From: Dave Neil
Company: NSA Engineering, Inc.
15000 West Sixth Ave., Suite 100
Golden, CO 80401
Phone: (303) 277-9920
Fax: (303) 277-9921

Date: July 2, 1998
Pages including this cover page: 20

Comments:

Please see the enclosed documents re: Turning Point.

THE "BRECCIA PIPE" IS IMPORTANT BECAUSE SAMPLES TAKEN IN IT RAN 3 OPT (THE OCTA SAMPLE COLLECTED BY CHRIS & LOGAN.

I WILL REPLOT MY MAP & DO SOME ROUGH CALCULATIONS ON WHAT'S POSSIBLE.

TECHNICAL METRICS

THERE WAS A CYANIDE LEACH TEST DONE ON "RUN of MINE." THAT GAVE 60% RECOVERY, THAT WAS A BASIC 2" MATERIAL. WE'LL NEED TO TEST THE SAME FOR RECOVERY ON A SMALLER SIZE CRUSH. THE REJECTS ARE STILL AT CORE & THEY ARE HOLDING THEM.

I COLLECTED ANOTHER 5 SAMPLES AT PLACES NOT SAMPLED PREVIOUSLY - BUT BECAUSE OF THE BRECCIA & NATURE OF THE DEPOSIT, A CHANNEL SAMPLING PROGRAM WOULD HAVE TO BE DONE, OR LOTS of SPOT SAMPLES & "JUST MINE IT" & THEN IT WAS A MEAN IF THE CLAIMS ARE AT ALL PERMISSABLE.

THE GRADE IS GOOD, BUT THE SHEET -

NSA Engineering, Inc.
Subsurface Mining and Tunneling Consultants
(303) 277-9920
FAX: (303) 277-9921

TO: DAVE NEIL
NAA

5-15-98

FROM: BILL SILBERMAN

RE: QUONIAL POINT

GOLD

TO DATE, I HAVE MAPPED TWO OF THE FOUR ACCESSIBLE LEVELS OF THE QUONIAL POINT. MINERALIZATION OCCURS ALONG A BLUE DRIVING STRUCTURE IN FAULT BRECCIA & ASSOCIATED HOST BRECCIA.

THERE ARE FOUR MAIN LEVELS ABOUT 30' APART VERTICALLY WITH THE MOST EXTENSIVE WORKINGS ON THE 2nd (140') LEVEL OF ABOUT 500. THE WIDTH OF MINERALIZATION VARIES FROM ABOUT 6 TO VERY & PHYSICALLY GREATER THAN 15'. AT THE MAIN 4TH LEVEL, WHICH IS FLOODED THE "VEIN" IS "SEEN" TO BY 25' ACROSS. THE "VEIN" AS SEEN IN THE FAULT ZONE BRECCIA & ASSOCIATED SOLUTION COLLAPSE ZONE ADJACENT TO IT - NOT NECESSARILY IN THE FOOTWALL. THE SOLUTION HAS CREATED A WIDER AREA OF PERMEABILITY THAN WOULD HAVE JUST OCCURRED ALONG THE FAULT

WHILE MOST MINERALIZATION IS LOCALIZED IN THE MAIN STRUCTURE, THERE IS EXPOSED ON ONE 2nd LEVEL A BRECCIA PIPE OF PERHAPS 100+ FEET DIAMETER. WORKINGS ON THE 1ST LEVEL ABOVE IT DO NOT INTERSECT IT, BUT AT THIS LEVEL IT'S AREA OF OCCURRENCE IS COVERED BY AMORSITE. THE AMORSITE IS ALSO EXPOSED ON THE SURFACE SO NO SURFACE EXPRESSION OF THIS IS OBVIOUS.

1010 10th Street, Golden, CO 80401
<dneil@nsainc.com>

IS DANGEROUS BECAUSE OF THE CONDITION OF THE LANDING - I AM HAPPY TO HAVE SURVIVED THE 2 DAYS OF EXAMINATION & MAPPING.

MINING WOULD PRIMARILY CONSIST OF TAKING OUT THE REST OF THE FAULT ZONE & EXPANDING IT OUTWARD & DOWN WARD IF GOOD HOLES. YOU PROBABLY ALSO NEED TO WIDEN THE STOPES TO CATCH ALL THE BX. YOU NEED TO LOOK AT THAT YOURSELF.

LIMESTONE

THE LS IS GOOD LOOKING DARK GREY, SUGARY BUT DENSE "MICRITE" OR WHATEVER THE SEDIMENTOLOGISTS CALL IT. IT FRACTURES INTO ANGULAR CHUNKS. IT HAS LOTS of THIN IRREGULAR MM SCALE VEINS - BUT IT DOES NOT FRACTURE ALONG THEM. SURFACE EXPOSURES HAVE SOLUTION TEXTURE "DENT STRUCTURE" & WOULD BE, I THINK, NICE DECO-STONE EXCEPT IT'S A DRAB GREY. I BRIGHT BACK TWO BIG CHUNKS FOR COLOR.

IT WILL BREAK OFF INTO NICE "YARD SIZE" DECO STONES - A LOT OR MORE

SQUARE ¢ I THINK THE SURFACE SHOULD BE SHIPPED FOR DECI STONE.

CHRIS HAS TWO POTENTIAL CUSTOMERS FOR MINUS ONE STONE FOR CONSTRUCTION PURPOSES. ONE FOR 95 000 TONS WOULD, CHRIS ESTIMATES, BRING IN $180,000 NET. THE OTHER FOR 300 000 TONS WOULD NET $450,000. SPEAK TO HIM ABOUT THAT. HE NEEDS A DECISION ON THE $135 K QUOT UP SOON. VERY SOON.

RECOMMENDATIONS

I'D SAY START WITH THE LIMESTONE FOR CASH FLOW ¢ THEN GO TO THE GOLD AS THAT DEVELOPS. ONE PROBLEM - WILL THE BLASTING OF THE LS SCREW UP THE MINE WORKINGS! ALTHOUGH IT IS POSSIBLE TO WORK AREAS DISTANT TO THE MINE FOR LIMESTONE - I'M NOT SO SURE IT'S FAR ENOUGH- YOU NEED TO SEE THAT TOO. EVERYTHING LOOKS VERY CLOSE TO ME.

QUESTION: DO YOU WANT TO BUY

JUL 02 '98 9:55 NO.002 P.01

DAVE

5-6-98

TURNING POINT & DESERT QUEEN -

(1) LIMESTONE IS MISSISSIPPIAN ESCABROSA Dark grey; thick bedded to massive. THERE IS A REF TO IT BY ARMSTRONG (1969). SEPM PUBLICATION.

(2) USGS OFR REPORT CA 1990, HAS A SECTION ON MINES & PROSPECTS IN THE 2° QUAD.

(3) GEOLOGIC MAP of AREA MF-934 OBTAINED. REGIONAL - NOT GOOD ENOUGH FOR LOCAL STRUCTURE. NEED THE ABOVE MINE DESCRIPTIONS.

Will OBTAIN DATA TOMORROW FROM GS LIBRARY. I HAVE TOPO OF AREA

Bill

CONE GEOCHEMICAL INC.
810 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-8371

Analytical Report
Whole Rock Analysis

Miles Silberman
NSA Engineering
15000 W. 6th Avenue, Suite 100
Golden, CO 80401

Job Number: 980495
04-Jun-98
Page 1 of 1
Proj: Turning Point
PO:

Sample Number	% SiO2	% Al2O3	% Fe2O3	% CaO	% MgO	% Na2O	% K2O	% MnO	% BaO	Sum of Oxides
TPLS1	0.6	<.01	0.49	29.29	18.28	<.01	<.01	0.067	0.035	48.36
TPLS2	1.7	0.34	0.22	50.23	0.39	<.01	<.01	0.096	<.001	52.70

Method Digestion Precision	ICPES LMB 2%	ICPES LMB 2%	ICPES LMB 2%	ICPES LMB 2%	ICPES LMB 2%	ICPES LMB 2%	ICPES LMB 2%	ICPES LMB 2%	ICPES LMB 2%

FAX TRANSMITTAL FORM

833 Parfet Street
Lakewood, Colorado 80215
USA

Date: 5-26-98

To:

Name:	Mr. Miles Silberman
Company/Dept:	NSA Engineering
FAX No:	277-9921
Telephone No:	277-9920

From:

Name:	Don Reimer
Company/Dept:	ADVANCED TERRA TESTING, Inc.
FAX No:	(303) 232-1579
Telephone No:	(303) 232-8308

Number of Pages in Transmission, Including Transmittal Sheet: 4

Additional Instructions/Comments: Attached are the test results for the samples delivered last week. The Schmidt Hammer for sample LS 1 could not be performed because an appropriate sample could not be obtained following coring and testing for the UCS and Brazilian Disk tests. I will be out of the office until next Wednesday. Please direct any questions to Bill Brewer of this office in my absence.

f:\users\don\faxtrans.lwp

SCHMIDT HAMMER REBOUND TEST
ASTM C 805

CLIENT MSA Engineering

JOB NO. 2138-28

BORING NO.
DEPTH
SAMPLE NO. L62

SOIL DESCR. Limestone
SAMPLED
DATE TESTED 5-26-98 DSR

TOP TEN REBOUND VALUES

Trial No.	Rebound Value (R)
1	18
2	21
3	16
4	22
5	21
6	25
7	20
8	16
9	20
10	18

Output Values

Sum:	197
Mean:	19.7
Corrected Mean:	26.2
Standard Deviation	2.65

Note: Sample broke into three pieces during testing. Only thirteen measurements were possible.

Data entered by: DSR Date: 5-26-98
Data checked by: DLS Date: 5-26-98
FileName:MASHL62

ADVANCED TERRA TESTING, INC.

UNCONFINED COMPRESSIVE STRENGTH
ASTM D 2938

CLIENT: NSA Engineering

LOCATION:

JOB NO.: 2138-28

DATE TESTED: 5/21/98 HN

Specimen ID	Diameter (in.)	Length (in.)	Mass (gms)	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Failure Load (lb)	Compressive Strength (psi)
TPLS 1	1.972	3.702	517.96		174.8		20,850	*6770
TPLS 2	1.976	4.593	620.54		167.8		31,575	10,300

Notes and Comments: * Indicates L/D < 2.0. Correction Factor from ASTM D 2938 used.
C=Ca/[0.88+0.24b/h]
Ca = Failure Load / Surface Area
b = Sample Diameter
h = Sample Length

Data Entered By: HN Date: 5/21/98
Data Checked By: [redacted] Date: 5/21/98
Filename: NAUCSRO2

ADVANCED TERRA TESTING, Inc.

SPLITTING TENSILE STRENGTH
By Method of Brazilian Disk
ASTM D 3967

CLIENT: NSA Engineering

JOB NO.: 2138-28

LOCATION:

DATE TESTED: 5/21/98 HN

Specimen ID	Diameter (in.)	Length (in.)	Mass (gms)	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Failure Load (lb)	Splitting Tensile Strength (psi)
TPLS 1	1.975	1.232	171.55		173.2		5,590	1,460
TPLS 2	1.971	1.454	191.10		166.4		2,830	640

Notes and Comments: Splitting Tensile Strength = 2P/piLD
P=Failure Load
pi=3.1415926....
D=Sample Diameter
L=Sample Length

Data Entered By: HN Date: 5/21/98
Data Checked By: [signature] Date: 5/27/98
Filename: NABRAZD2

ADVANCED TERRA TESTING, Inc.

CONE GEOCHEMICAL INC.
510 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-8371

Job 98-0496
12-Jun-98
Page 1

ANALYTICAL REPORT

Miles Silberman
NSA Engineering
15000 W. 6th Ave.,Ste.100
Golden, CO 80401

PO #
PROJECT

SAMPLE NUMBER	PPM AU	PPM AG
MLS-1	1.82	152
MLS-2	6.05	53.2
MLS-3	0.725	37.1

Rock SAMPLES
of The
Turning Point
Dump

METHOD	A.A.	AA/BC
DIGESTION	FA/30G	4Acid
PRECISION	5%	5%

303 232 5124 P.02/03
CONE geochemical JUN-12-1998 10:25

CONE GEOCHEMICAL INC.
810 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-8371

Job 98-0436
28-May-98
Page 1

ANALYTICAL REPORT

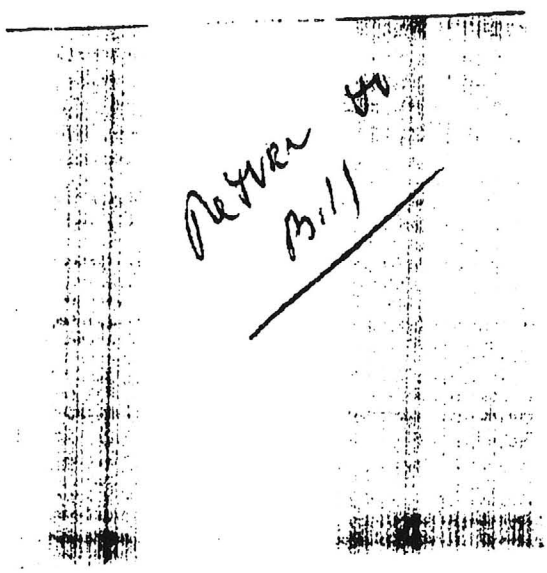
PO #
PROJECT
TURNING POINT

Miles Silberman
NSA Engineering
15000 W. 6th Ave.,Ste.100
Golden, CO 80401

SAMPLE NUMBER	OZ/TON AU	PPM AU	PPM AG
TB001A	0.018	0.800	29.8
TB002A	0.168	5.70	50.4
TB003A	0.077	2.63	35.3
TB003B	0.011	0.505	15.1
TB004A	0.154	5.77	16.4

F/A

CN



Letter to Bill

Turning Point my samples

METHOD	CN/20G	A.A.	AA/BC
DIGESTION	CN/20G	FA/30G	4Acid
PRECISION	7%	6%	5%

CONE GEOCHEMICAL INC.
510 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-6371

Job 98-0436
28-May-98
Page 1

STATISTICS

Miles Silberman
NSA Engineering
15000 W. 6th Ave.,Ste.100
Golden, CO 80401

PO #
PROJECT
TURNING POINT

GENERAL

Analysis	n	$\bar{X}$	s	Low	High	$\bar{X}$+s	$\bar{X}$+2s
OZ/TON AU	5	0.085	0.073	0.011	0.168	0.159	0.232
PPM AU	5	3.081	2.555	0.505	5.770	5.636	8.192
PPM AG	5	29.40	14.57	15.10	50.40	43.97	58.54

CORRELATION COEFFICIENTS

	AU	AU	AG
AU	1.0000		
AU	0.9964	1.0000	
AG	0.4265	0.3577	1.0000

Values below the detection limit are assigned a value of one half of the detection limit for purpose of calculating these statistics

NSH ENGINEERING INC. 1EL:1-303-277-9921 Jul 02'98 10:05 No.003 P.02

CONE GEOCHEMICAL INC.
810 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-8371

Job 98-0495
8-Jun-98
Page 1

ANALYTICAL REPORT

Miles Silberman
NSA Engineering
15000 W. 6th Ave.,Ste.100
Golden, CO 80401

PO #
PROJECT
TURNING POINT

SAMPLE NUMBER	PPM AU	PPM ICP/WR
TPLS1	0.002	
TPLS2	0.014	

Line spaced Sample. AU + WR

METHOD	A.A.	ICP
DIGESTION	FA/30G	E23
PRECISION	6%	

CONE GEOCHEMICAL INC.
810 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-8371

Job 98-0495
8-Jun-98
Page 1

STATISTICS

Miles Silberman
NSA Engineering
15000 W. 6th Ave.,Ste.100
Golden, CO 80401

PO #
PROJECT
TURNING POINT

GENERAL

Analysis	n	$\bar{X}$	s	Low	High	$\bar{X}+s$	$\bar{X}+2s$
PPM AU	2	0.008	0.008	0.002	0.014	0.016	0.024
PPM ICP/WR	0	n/a	n/a	n/a	n/a	n/a	n/a

CORRELATION COEFFICIENTS

	AU	ICP/WR
AU	1.0000	
ICP/WR	0.0000	0.0000

Values below the detection limit are assigned a value of one half of the detection limit for purpose of calculating these statistics

NSA ENGINEERING INC. TEL:1-303-277-9921 JUL 02'98 10:05 NO.005 P.01

CONE GEOCHEMICAL INC.
510 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-6371

Job 98-0436
28-May-98
Page 1

ANALYTICAL REPORT

Miles Silberman
MSA Engineering
15000 W. 6th Ave.,Ste.100
Golden, CO 80401

PO #
PROJECT
TURNING POINT

SAMPLE NUMBER	Running Total		OZ/TON AU	PPM AU	PPM AG	
TB001A	78%	.023	0.018	0.800	29.8	– 1ST LEVEL NE END, FACE
TB002A	99	.166	0.168	5.70	50.4	– SLOPED LG, 2nd Level, FW
TB003A	100	.077	0.077	2.63	35.3	– INTERMEDIATE LEVEL, SW
TB003B	73	.015	0.011	0.505	15.1	– INTERMEDIATE LEVEL, SW
TB004A	91	.169	0.154	5.77	16.4	– 3RD LEVEL, SW, 40' FROM SHAFT AT FACE

CV
COLD CYANIDE

FA/AA

AA

METHOD			
DIGESTION	CN/20G	A.A.	AA/BC
EXTRACTION	CN/20G	FA/30G	4Acid
	7%	6%	5%

CONE GEOCHEMICAL INC.
810 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-8371

Job 98-0349
4-May-98
Page 1

ANALYTICAL REPORT

Miles Silberman
NSA Engineering
15000 W. 6th Ave.,Ste.100
Golden, CO 80401

PO #
PROJECT
TURNING POINT

SAMPLE NUMBER	PPM AU	PPM AG	
DQ 001	9.17	64.3	— DESERT QUEEN DUMP
TP 001A	0.033	0.9	
TP 001B	0.011	4.5	
TP 002A	0.990	22.9	
TP 002B	2.00	48.7	
TP 002C	2.36	185	TURNING POINT MINE AREA.
TP 002D	1.10	48.3	
TP 003A	0.016	1.4	
TP 004A	2.00	32.7	
TP 005A	47.4	860	
TP 007A	92.1	129	
TP 007B	14.5	53.9	
TP 008A	3.07	43.3	
TP 006A	6.77	35.9	

METHOD	A.A.	AA/BC
DIGESTION	FA/30G	4Acid
PRECISION	6%	5%

CONE GEOCHEMICAL INC.
810 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-8371

Job 98-0349
4-May-98
Page 1

STATISTICS

Miles Silberman
NSA Engineering
15000 W. 6th Ave.,Ste.100
Golden, CO 80401

PO #
PROJECT
TURNING POINT

GENERAL

Analysis	n	$\bar{X}$	s	Low	High	$\bar{X}+s$	$\bar{X}+2s$
PPM AU	14	12.96	25.93	0.011	92.10	38.89	64.82
PPM AG	14	109.3	221.8	0.900	860.0	331.1	552.9

CORRELATION COEFFICIENTS

	AU	AG
AU	1.0000	
AG	0.4710	1.0000

Values below the detection limit are assigned a value of one half of the detection limit for purpose of calculating these statistics

CONE GEOCHEMICAL INC.
810 Quail Street, Suite 1
Lakewood, Colorado 80215
(303) 232-8371

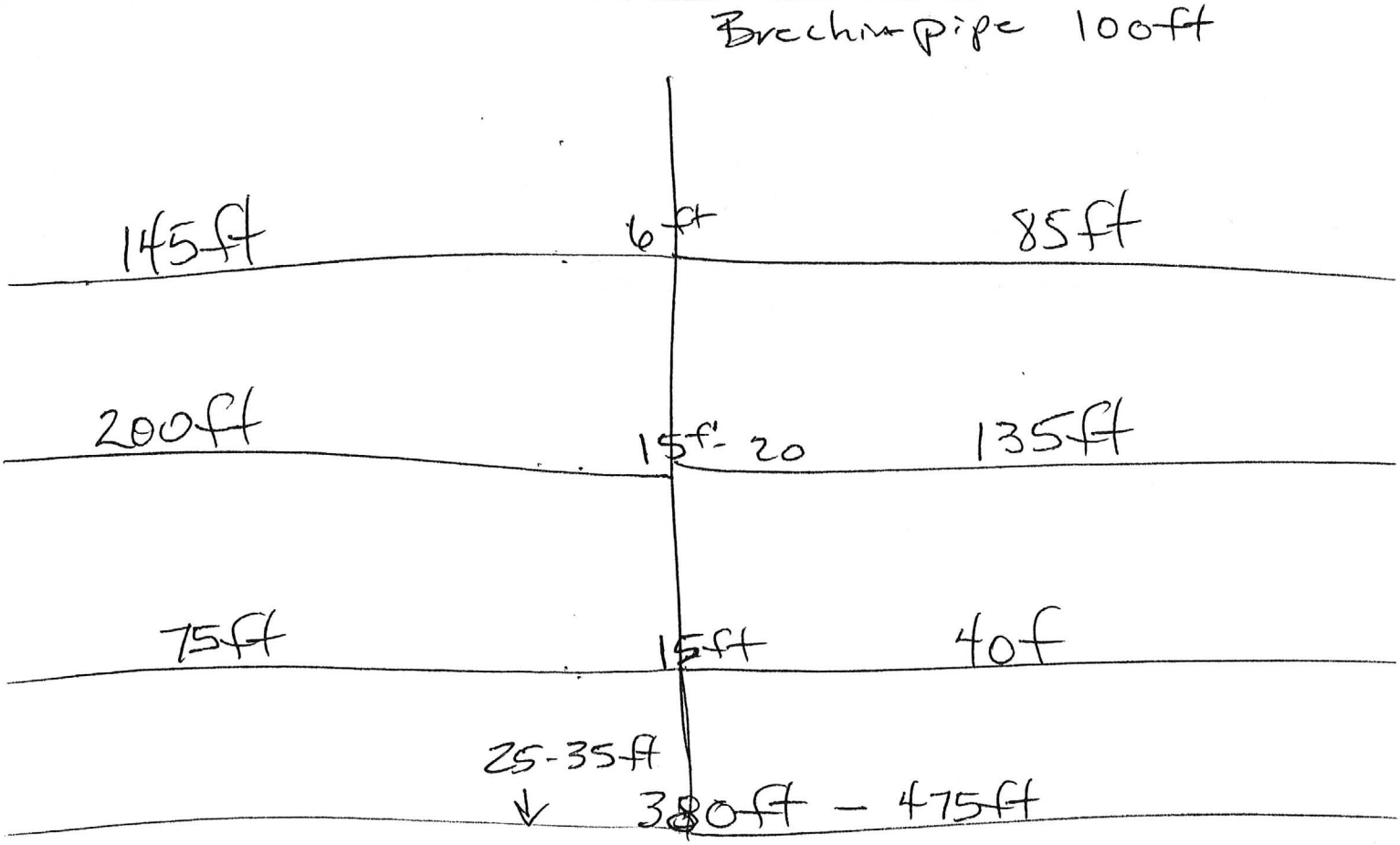
REPLICATE VALUES
GOLD BY FIRE ASSAY/AA FINISH

JOB NUMBER 98- 0349

SAMPLE NUMBER	1st Au (ppm)	2nd Au (ppm)	3rd Au (ppm)
TP 005A	42.9	52.0	

We have reported these replicate values to you because they are outside of the normal range of precision for the method used. The poor precision is probably caused by a nugget effect or sampling problem. This may be remedied by changing the sample preparation method used. Please inquire.

The values that appear on the analytical report are averages of the above values.


Brechin pipe 100ft
145ft
6ft
85ft
200ft
15ft- 20
135ft
75ft
15ft
40f
25-35ft
380ft - 475ft

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine	Turning Point Mine	Date	10-17-62
District	(Slate Mountains) Casa Grande Dist., Pinal County	Engineer	Lewis A. Smith

Subject:

Mine Visit.

It was noticed that some activity had been going on, part of the dumps having been moved. However, this was due to the use of the material to repair the Casa Grande-Covered Wells Highway. Most of the removed material was old tailings.

*

July 1957
...fo from Axel L. Johnson

Owned by Ted Manning now of Houston, Texas

Mr. Thad Watkins took out a lease on the Turning Point but quit working the property when he ran out of money.

Mr. W. J. Bush of 422 W. 10th Street, Casa Grande is taking care of the property while a Mr. Hensel (who was taking care of it for Mr. Manning) regains his health in Redwood City, California.

See: CAMINO MINE ~~(File)~~

RRB WR 12/11/81: Visited the Turning Point Mine, Section36, T9S R4E, Pinal. County - No Activity.

*

Pinal

Legal Tender
Lenny Pt
Golden Wonder

23 to Cam Gr.
6 3m to Sello.

Gorgeba
2 1/2
T.P
Des Quem
1/2
gain Chimaimon

2

DEPARTMENT OF MINERAL RESOURCES

Daily Log—Field Engineers

Pinal

Date

Day

Expenses Meals 500' cuff

Lodging (Receipt) drifting & xmt

Miscl.

Total 5 x 10 OW

Meter

Time of Depart.

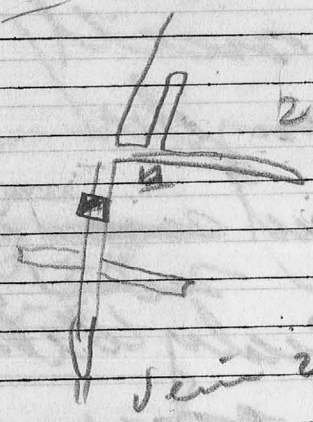
Meter

Time of Arrival

Miles

Log Comments Etc.

Fault
Dip 50 OW



Signed Over

(Over)

Miles

Log Comments Etc.

3 pot claims

O.T. Manning
D.C. Hutchins
Casa Grande

Pinal Co.

OVER

Signed

(Over)

Am Ag

DEPARTMENT OF MINERAL RESOURCES

Daily Log—Field Engineers

Survey # 644 Date 2-20-48

Book 21 Deeds Day Thurs

Expenses Meals P412

Lodging (Receipt)

Miscl. Turning Point

Total

Meter Time of Depart.

Meter Time of Arrival

Miles

Log Comments Etc.

3 pot claims

O. T. Manning

D. C. Hutchins

Casa Grande

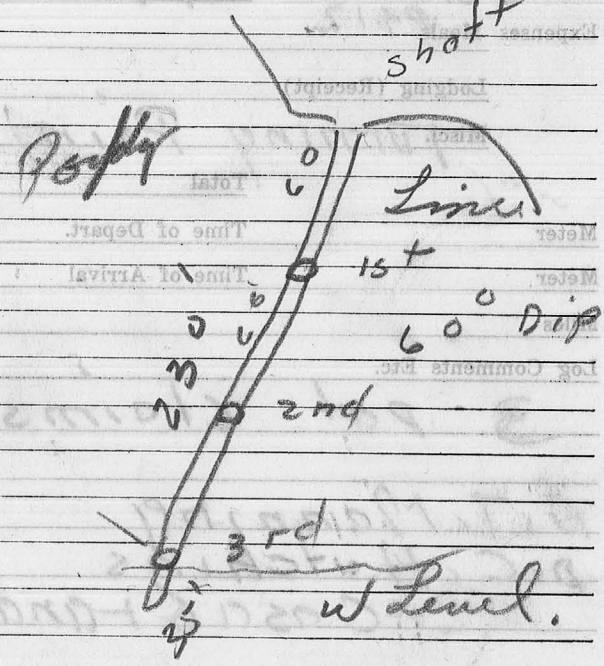
Pinal Co.

OVER

Signed

(Over)

S 1 1/2 W
E - W



1st level 97 W
70 E
130 W
2nd level 90 E

Mill equip
4 Hump spirals

History
1917 & Before
Stamp mill
Mr Snyder
deceased ~~now~~ Mrs
Snyder now
Mrs Gerty Wilson
Lucky gone
Frank Merrill
Ron Yamin plant
1942-45

E. E. Wheeler
Office 44189.
Home phone 54258

SOUTHERN ARIZONA MINES, INC.

PROSPECTUS

Southern Arizona Mines, Inc. has been organized primarily to develop and operate certain gold, silver and lead claims which the company now owns and controls.

These claims are nine in number. Seven have been checked and examined by the company's engineer and found to contain commercial ore bodies. The other two are protection claims. All the present exposed lode veins have had some preliminary work done on them. As time goes on the company expects to acquire other properties which will be recommended by the company's engineer.

It is not the intention of this company to start a large burdensome operation but to feel its way along with minimum expense so as to place the company in the way of a profitable operation in the shortest possible time.

Assays of samples taken from this group of claims ran from traces to $100 and better per ton of ore. Naturally the company will drive on the highest grade ore veins first, with the hope of returning early dividends on the investors' capital. The results of representative assays are given below:

No.	No.	Gold Oz.	Gold Value	Silver Oz.	Silver Value	Lead %	Lead Value	
110731	1	.01	$ .35	.8	$ .63	(No assay made)		(Camino dump)
110732	2	.31	10.85	1.6	1.14	" " "		" "
110733	3	.01	.35	.3	.21	" " "		" "
110734	4	.02	.70	.6	.42	" " "		" "
110735	5	2.51	87.85	1.2	.88	" " "		(New Ammon)
110736	6	.2	7.00	.3	.21	" " "		" "
111253	1	(No assay)		4.3	3.05	41.6	$71.55	(Camino)
~~111253~~	1	.02	.70	3.0	2.20	18.1	31.25	(Camino)

(Above assays by Jacobs Assay Office, Box 1889, Tucson, Ariz.)

7	3.20	$112.00	(No assay)		(No assay)		(New Ammon)
8	1.03	36.05	.4	.28	(No assay)		" "
1	.11	3.85	31.4	22.39	72.90	$125.39	(Golden Eagle)
2	.03	1.05	1.8	1.27	24.00	41.28	(Golden Eagle)
1	.04	1.40	.4	.28	1.60	2.75	(Golden Eagle
2	.04	1.40	4.0	2.84	17.83	30.67	(Golden Eagle)
3	.10	3.50	22.5	15.97	75.95	151.00	(Golden Eagle)

(Above assays by Chas. A. Diehl, 815 N. 1st St., Phoenix, Ariz.)

Final

Office "Miner" file
Formerly "Miner"
Publ. Co.

S W Casa Grande
W. M. Hauser
P. O. Box 483.

Silver prices have been advanced since the above assays were taken. Gold and silver as set out above were calculated on the basis of ounces per ton and value per ton and lead on the basis of per cent per ton and value per ton. In a small operation such as the Southern Arizona Mines, ore in excess of $20 per ton is considered commercial shipping ore. Larger operations, who do their own milling can show a profit on ore running $3 or $4 per ton.

All properties under the company's management will receive the finest technical advice obtainable in the mining industry and will be under the management of former successful mine operators. The claims are sufficiently rich that a large scale operation, requiring heavy financing is not necessary at the outset. By careful, conservative development, these claims should pay for all further expansion out of income. We therefore feel we are offering one of the finest opportunities to gold and silver minded people which is available today.

Many articles have appeared recently in leading financial magazines relative to gold and silver being a stabilization factor in the ever-increasing inflation crisis now facing the world at large. It has been noted and commented on that gold is now selling for a greater price in every country in the world that it is selling for in the United States. The price of silver has been recently advanced and there is reason to believe that the price of gold will be increased also. Great pressure is being brought to bear from various sources to bring about such an increase. This will of course increase the profits of all gold mining operations.

Machinery is now being moved in to start operations on the company's Camino No. 3 and New Mammon No. 2 shaft. We hope to have shipping ore going within a few months.

A self-addressed envelope is enclosed for your inquiry.

PERTINENT COMMENTS TAKEN FROM CURRENT MAGAZINES

"Newsweek" issue of April 29, 1945, Page 64:

"The principal governments of the world are off the gold standard because it limits the extent to which they can manipulate their currency and control prices. But gold still holds a highly important place in world trade. Gold will be included in the assets of the International Monetary Fund which is being established to stabilize international exchange. Gold is still the key that opens the way to political and commercial power in the near and Far East. Indian princes have kept their wealth through the centuries by hoarding gold. During the war the United States had to earmark $2,500,000,000 of its own hoard to finance the military in countries where gold speaks.

"Russia, whose reserves and production rate are the major mystery of the world gold situation, is believed to have huge stores that could greatly facilitate extension of its influence in corrupt countries. The British, who know the game well, suspect the Russians have already brought their gold into play in Iran.

"Gold has become more valuable since the gold standard was repudiated in the '30s. The world price today is much higher than the United States Treasury's $35 per ounce. In Athens it's $110 an ounce; in Baghdad $89 and in Bombay $71. Gold can buy almost anything in the world market, including American dollars and British pounds. The United States is still the leading gold holder; its reserves on April 17 was $20,415,960,814, up about $166,000,000 from a year ago. . . . . "

******

"The Mining Journal" issue of March 15, 1945, Page 7

"If an archeologist were to dig up a pot of gold in an ancient Cretan palace, he could spend it for current goods and services; but if he should find a sheaf of promissory notes of that day, they would be of no more monetary value than so many coin-plasters."

****

Since the days of the lost mines of King Solomon, gold has been the basis of all wealth and seeing rampant inflation on all sides, we know it is only a matter of time before Uncle Sam may have to pay more than $35 per ounce for new mined gold or foreign markets will crop up to absorb our gold supply.

Most gold mines, especially in the United States, have been closed down as a war emergency. Many of these mines cannot reopen due to lack of necessary funds or water damage in deep workings. Southern Arizona Mines, Inc. is lucky in this respect.

Southern Arizona Mines, Inc. owns its own properties and has no water difficulty to prevent moving in for operation. The seven main claims are all situated on main workable lodes where machinery can be installed most economically. Some of this machinery is now being installed for operation. Development to date shows tonnage which can be removed for immediate shipment to the smelter. The most experienced men whom we are able to secure should give the company efficient management and economical extraction of ores for a profitable operation.

Turning Point Gold Mine

Turning Point Gold Mine is located in tge Casa Grande Mining District WW twebtytwo mi sowstrky from Casa Grande, Ariz, a live town of about three thousand inhabitants on the SP RR on ST hiway number eightyfour. A graded road k leading from Casa Grande into the Papago reservation .

Prperty consists of five k legal claims of which the Turning Pt Legal Tender and Rainbow ckaims are patented . There are two other claimsunpatented.

.The principal development is an incline shaft six ft by nine ft with keveks Zincline distance bekow the collarZ approx a s fwsn

	Depth ft.	Drifts on Vein	Crosscut
First lev	62	248	188
Second lev	126	270	80
Intermed lev	164	75	—
Third lev	191	57	12
Waterstands	229		
Presumed depth	275		
		650 ft.	280 ft.
Raises and winzes (estimated)		200ft	

In the block frm the third kevel to the surface and the kength east and west of the kongest levels I should expect not less than ten thousand tons of ore carrying around eight dollars per ton in gold and silver at current prices. Most of this ore is blocked xt out and the rest woukd be opened in the regukar course of mining

In addition to the ore opened up underground there are dumps of second grade ore and of ore mixed with waste. At the head of the trestle is a dump of ore which I estimate to xx contain not less than one thousand tons fromwhich a general sample averaged Gold sixteen looths oz. and Silver one point fortyfive oz. value six dollars and fifty cents per ton . Sampling was done by pits one ft in depth spaced at six ft intervals over the surface. This dumpis evidently vein material that was too low grade to be put through the mill under the old operation.

Adjacent to this dump on the west is a larger dump of mixed ore and waste that should be sampled and the chance investigated forscreening out the coarse rock and recovering the fines.

To summarize my preliminary examination indicates the fwg tonnages and gross values

Mine surface tothird level	10,000 tons	$80,000.00
Second grade ore dump	1,000 tons	6,500.00
Tailing from oldstamp mill	300 tons	1,680.00
		88,180.00

It appears that this mine missed being profitable by a very narrow margin under theoldoperation. Today it can be made to earn good profits. This change is due primarily to the rise in the prices ingold from twenty to thirtyfive dollars per ounce but the kower power cost of internal combustion engines compared with steam and the improvement in milling practice both react to increase profits.

This property has the advantage of some twentyfive thousand dollars worth of development alreadydone and ready to utilize in ore production. The shaftxx drifts raises etc are in remarkably good condition. Even timbers are sound and serviceable.

It has every requisite for cheap mining veins of ideak slope and width that break free from walls walls that stand without timbering much of vein matter shattered solid portions will drill easy and break wall good air.

It is akmost a certainty that the mine will yield ore that averages higher than the mostcomplete sampling of the present faces wouldindicate for it has undoubtedly been stripped of high grade and no heading was stopped as long as it was in ore that could be handled at a profit. In other words the cream has been skimmed from allinsight but new work would carry its normal percentage of cream.

This property should appeal to real mining people who are more interested in the prospects for making a mine of magnitude than in xxxxxx the ore in sight. I am confident that any capable engr making acareful study will find ample reason for continuing development atdepthandon the strikeof the vein. A development campaigncosting twentyf ivethousand or even fiftytousand might becarried outbefore starting prodn and then a milling plant providedthatwillwin the greatest profit from the increased tonnage oforethe wholerequiring an investment of about one hundredgrand.

On theotherhand one tenthof the sum suggested above might finance a rawhide equipmentof property thatwould start on the oreinsightandletthe profitsfrom thisoperation carry the further development of themine.

Whether handkedon a k largescale or small this property promises profits thatare generous in comparison with investment required andcarriesekementsofsafety rarelyfoundin a mining undertaking.