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The following file is part of the Walter E. Heinrichs, Jr. Mining Collection

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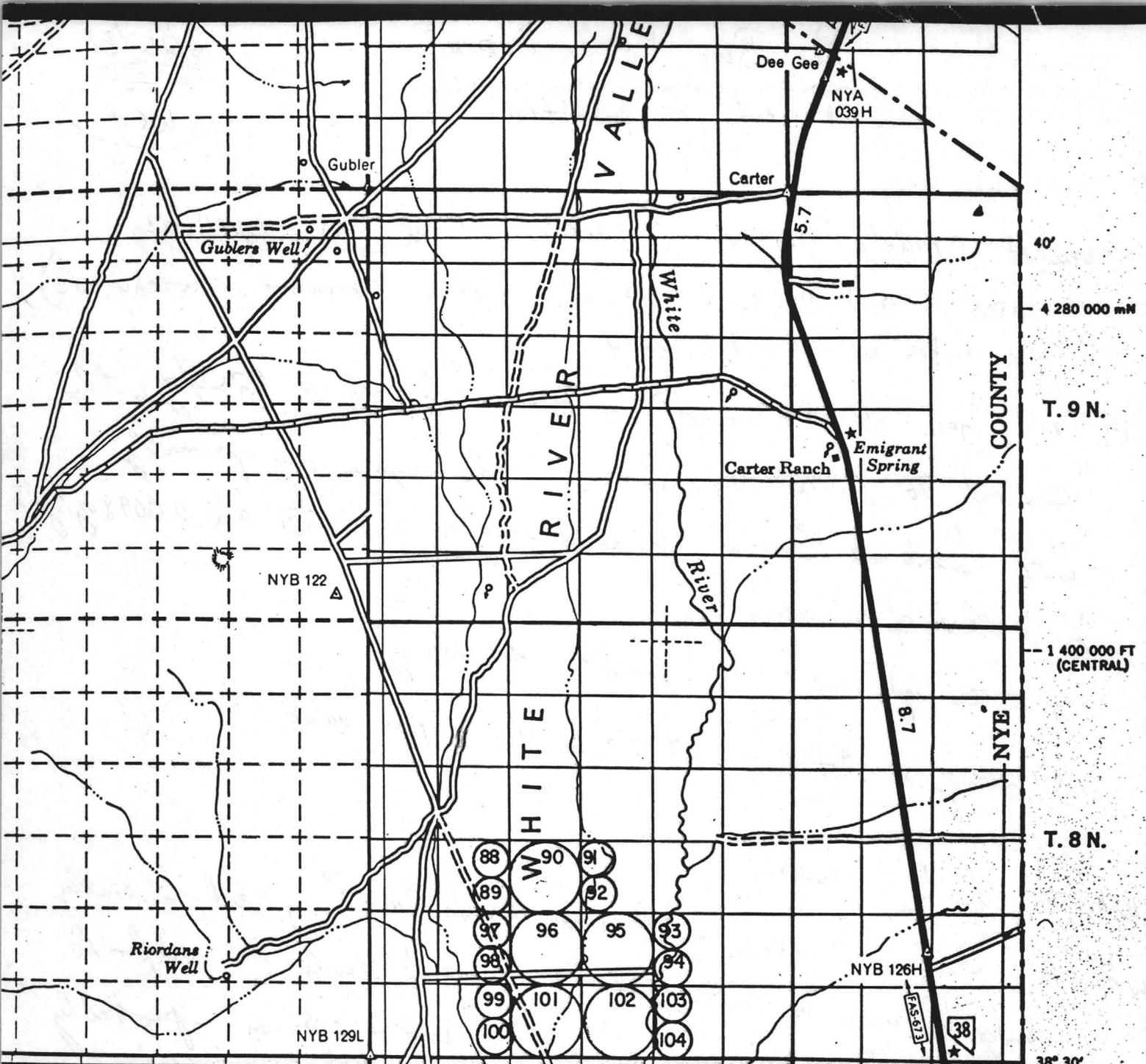
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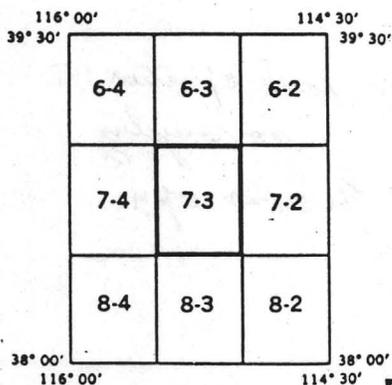
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10' 660 000 mE
 950 000 FT
 R. 60 E. R. 61 E. (CENTRAL) R. 62 E.
 TO SUNNYSIDE
 38° 30'

LOCATION DIAGRAM



QUADRANGLE LOCATION



WALLABY ENTERPRISES

0.016402/lyd

**GENERAL HIGHWAY MAP
 QUADRANGLE 7-3**

**NYE COUNTY 1963
 WHITE PINE COUNTY 1962**

**PREPARED BY
 NEVADA STATE HIGHWAY DEPARTMENT
 PLANNING SURVEY DIVISION**

**IN COOPERATION WITH THE
 U. S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION**



Rich Called.:

6/8/81

Big Bug - Mayer. Placer gold.

~~1.6~~ 10^6 yds. - 15×10^6 ? / Vic
Poland to Mayer. / Jerry Hartley.

\$6⁰⁰/yds @ \$? / oz.
850 fineness

Owner wants:
\$500,000

80% > 100 mesh.

or 1/8 oz. gold.

owner also owns: Copper Queen. \$1,500,000

Binghamton Conoco.

Consulting to
Wallaby.

Forest & B.L.M.

\$3000⁰⁰ / Vic Kroll.
Bill & Wallaby.

Dilled & trenched.

W.

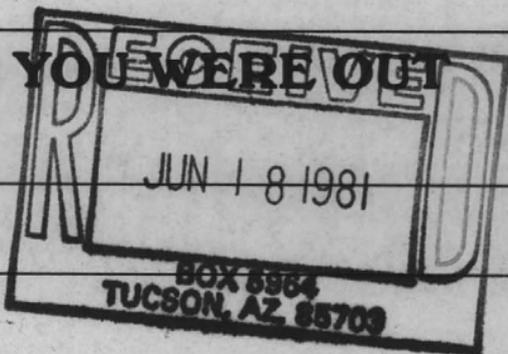
DATE _____ HOUR _____

TO _____

WHILE YOU WERE OUT

M *elissa* _____

OF _____



PHONE _____

AREA CODE

PHONE NUMBER

TELEPHONED	<input type="checkbox"/>	RETURNED CALL	<input type="checkbox"/>	LEFT PACKAGE	<input type="checkbox"/>
PLEASE CALL	<input type="checkbox"/>	WAS IN	<input type="checkbox"/>	PLEASE SEE ME	<input type="checkbox"/>
WILL CALL AGAIN	<input type="checkbox"/>	WILL RETURN	<input type="checkbox"/>	IMPORTANT	<input type="checkbox"/>

MESSAGE

Give these to Walt.

and tell him we are willing to work with Adit for a 10% finders fee on the technical work

SIGNED

Rib

To Who it may concern:

MILK CREEK-CROOKS CANYON

This project for your inspection consists of two separate groups of claims, group #1 consists of eight claims, and are located in the Walnut Grove mining district of Yavapai County, Az. and are described as follows: Marigold #1 through #8, Township 11 North Range 2 West, and takes in over (2) two miles of both Milk Creek and Crook Canyon, covering (1000) one thousand acres of surveyed ground. Workable stream bed and flat benches along the stream bed with a depth of more than (20) twenty feet would give an estimated yardage of gravel that can be worked at (15) fifteen million cubic yards or more.

The Marigold claims are located on Forest Service property. Working relations with the forest service is very good and will continue to be so as long as mining is done as it should be done.

Group (2) two consists of several claims described as follows:

#1. State land under permit to Edward Svoboda, described as follows: 180 acres in Section 25, T-11-N, Range 3-W. Lease #PP 79 559.

#2. State land under permit to L. E. Shoup described as follows: 80 acres Section 25, T-11-N Range 3-W. Lease #PP 79 597.

#3. State land under permit to L. E. Shoup, described as follows: 120 acres in section 36, T-11-N, R-3-W. Lease #PP 79 597

This group of claims is over (2) two miles long and considerable wider stream beds with workable gravel yardage of an estimate of (20) Twenty Million yards of gravel. The depth is deeper on these claims than the first group of claims

Some has estimated the total yardage in the two groups above (70) Seventy Million yards of workable yardage, so my estimate is very conservative.

During the summer of 1980 a testing program was carried out by Mr. Richard Schrimsher with the following results. I quote-

1. Gradation tests ran on the sight shows that .70% of head material will pass a $\frac{1}{4}$ " screen, about $\frac{1}{2}$ of 1% of heads plus 24", about 3% of heads, 12"-24", about 26.5% of heads plus $\frac{3}{4}$ " to 12".

2. Each cubic yard of head material will yield about 60 lbs. of black sand.

3. Each cubic yard of head material will yield about 10-14 grains of free placer gold.

4. The free placer gold will average from .830 to .890 fine. The free gold is small. No really big nuggets. In my opinion, it has traveled a very short distance, the very small pieces are of nugget shape, None are flat or wire gold shapes.

5. Surface water in Milk Creek runs most of the year, also under ground water has been found even in the driest 2 months period of the year at about five to six feet below the surface of the stream bed. Enough water has been proven to exist year around

(2)

for the largest of placer operations to use only fresh water, no recycling need ever be done

6. The placer gravel is 99.9 free of clay and other contamination. No problem of scrubbing material will be encountered.
7. In excess of 100 back hoe holes were dug on both groups of claims. Not one hole was dug that did not yield values. In the six to eight dollar values, certified assays held by this writer and samples taken in the following manner were submitted to Mr. Walter Statler of Humboldt Ariz.

Bank run material in measured cubic yards was processed through a screening, washing tromel. Screened to $\frac{1}{4}$ " minus, this $\frac{1}{4}$ " material was sluiced to concentrate black sand and free gold.

Concentrates from sluice were processed through an ainsley bowl to further concentrate. These concentrates were then submitted to Mr. Statler for fire assay.

The average assay returned by Mr. Statler is \$25.61 per cubic yard, no such amount of gold was found on site. The writers opinion is that much of the gold is too fine to easily recover on site with the equipment available to me at the time of the testing.

8. There is no doubt that the gold values exist throughout the entire project. Recovery of a high percentage of this free gold can be accomplished in many ways available to a lessor large enough to handle a project of this size. Unquote.

I sincerely hope to have answered some of your questions about the placer bearing material that we have and wish to extend a sincere invitation to you to have a look at this ground yourself and to form your own conclusions.

Thanking you in advance, I remain

Sincerely Yours

L. E. Shoup
L. E. Shoup D: D. S.

*Post: I tried to get in touch with you
some days ago, & you did not call back,
if interested please call me, L. E. S.*

A REPORT AND OUTLINE

APRIL - JUNE 1979

BIG BUG CREEK SAMPLING, ENGINEERING

AND

RECOMMENDATION FOR A PLACER GOLD DREDGING OPERATION

Western Exploration inc.

1343 EAST WINTER DRIVE
PHOENIX, ARIZONA 85020
602-943-5363
FIELD OFFICE

1. Big Bug Creek has two distinctively different placer Gold deposits.

- A. What I refer to as the high bars in this report is the richest and by far the oldest and the prime carrier of placer Gold running along Big Bug from the box due west of Poland Jct. to just north of the town of Mayer. These high bars carry large boulders and some clay, it is tight and is tougher to dig and wash, but it lies on a diggable Yavapai schist bed rock.

- B. The present flood plan, or stream bed of the creek, carries about 30% less Gold values than the high bars but is much easier to dig and wash. There is no clay present and the boulders are generally smaller. It lies on a diggable well weathered cretaceous conglomerate, carrying no Gold values.

2. The high bars carries some top soil and a typically pinion pine, juniper zone brush cover, offering no real problems.

- A. The stream bed carries some top soil, brush and many cottonwood and willow trees, these are all high user of water during their leaf period, again, no real problems.
The high bars can be completely reclaimed and made into Real Estate.
 - B. The stream bed can be semi - reclaimed and should be replanted with native trees that use less water, such as Arizona ash and cypress.
3. The water is such that with out outside supplimental water, will limit our dredge operation to about six months during the winter, about November 1st to May 1st.
 - A. The Gold recover offers no real problem, a riffle deck - jigs, will recover 95 to 97% of the contained values. Proper scrubbing, washing, and screening are necessary to achive this high rate of recovery. Also proper digging of bed rock.
4. Our sampling consisted of a series of backhoe pits and cuts, and three churn drill holes. See maps for location and logs for values.
 - A. The Gold averages 850 fine. This means it carries 85% pure Gold, 15% silver and copper, about 21 caret. Very good - see assay report.

5. Our sampling equipment consisted of a steel wet box, then a 2" spaced grizzle, then a $\frac{1}{2}$ square steel woven screen, then to a 12" wide by 6' long sluice box, "2 feet of Hungarian riffles 4 feet of $\frac{3}{4}$ " standard expanded steel metal" lying on top of a corrugated rubber mat.

A. On the pit and cut samples I didn't adjust for the normal 20% swell due to digging and the normal losses inherent in this type of equipment compared to a large dredge. This loss could average 15% during sampling. 2

B. In weighing the pit and cut sample recovered Gold, I did not deduct 15% for 850 fineness. This will offset the 15% normal sampling losses. This still leaves us the 20% swell giving a safety factor on the plus side. The dredge should recover up to 10% more than the sampling shows.

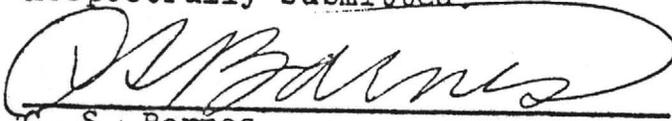
6. On the 3 churn drill holes we use a much different approach in evaluating the Gold values. First we actually measure the exact volume of drillings and compare this to the perfect core recovery which is 100 ft. of drill pipe = 1 cu. yd. of material.

There is no swell involved, nor 15% average Gold losses due to not running all material wet thru a scrubbing trommel screen.

- A. The 3 drill holes I deducted the 15% due to 850 fine Gold. The drill logs reflect the true recoverable Gold per cu. yd. in place.
7. The fall or slope of the creek averages 3.3% grade or 175 ft. to the mile, no problem. The high bars towards the creek is about 2% grade again, no problems.
- A. Our present sampling proved about what I expected based on my actual dredging on both high bars and stream bed, this in 1940 and 1941.
- B. At old price of Gold high bars run 60¢ to 78¢ per yd. At \$250.00 or 7 times = \$2.45 to \$4.20 per yd. now. All very good.

In conclusion I highly recommend that we immediately start all the many wheels turning to acquire the many special pieces of equipment to go into full production on Big Bug Creek this November 1979.

Respectfully submitted:


C. S. Barnes

Western Exploration inc.

1343 EAST WINTER DRIVE
PHOENIX, ARIZONA 85020
602-943-5363
FIELD OFFICE

ANALYSIS OF STREAM BED & GOSWICK AREA

TERRELL				
575,960 cu. yds.	@ \$3.49	=		\$ 2,019,119.00
REX RICKS				
624,800 cu. yds.	@ \$3.15	=		1,960,352.00
GOSWICK				
105,600 cu. yds.	@ \$3.57	=		327,000.00
<hr/>				
TOTAL				
1,306,360 cu. yds.	@ \$3.32		value	\$ 4,296,471.00

ANALYSIS OF HIGH BARS

TERRELL				
500,000 cu. yds.	@ \$5.50	=		\$ 2,750,000.00
REX RICKS				
300,000 cu. yds.	@ \$5.50	=		<u>1,650,000.00</u>
				\$ 4,400,000.00

TOTALS

Terrell				
1,075,960 cu. yds.				\$ 4,769,119.00
Rex Ricks				
924,800 cu. yds.				3,610,352.00
Goswick				
105,600 cu. yds.				<u>327,000.00</u>
Totals				\$ 8,706,471.00
Lower Terrell & Daughtry				
540,000 cu. yds	@ \$4.00	=		\$ 2,160,000.00
Star Placer & Others				
400,000 cu. yds.	@ \$4.00	=		<u>1,600,000.00</u>
GRAND TOTAL				
3,046,360 cu. yds.	@ \$4.10	=		\$12,466,471.00

ANALYSIS OF STREAM BED & LOW BARS

	<u>YARDS</u>	<u>VALUE THIS BLOCK</u>
TERRELL		
Line 1	52,800 yds.	\$ 135,696.00
Line 2	58,080 "	260,200.00
Line 3	58,080 "	270,653.00
Line 4	99,000 "	424,710.00
Line 5	154,000 "	543,620.00
Line 6	<u>154,000 "</u>	<u>394,240.00</u>
	575,960 yds.	\$2,019,119.00
REX RICKS		
Line 1	316,800 yds.	\$ 974,752.00
Line 2	<u>308,000 "</u>	<u>985,600.00</u>
	624,800 yds.	\$1,960,352.00
TOTAL OF BOTH		
	1,200,760 yds.	\$3,979,471.00
Average/yd. = \$3.32		

ANALYSIS OF HIGH BARS

REX RICKS

Line 1 - Pit 1	per cu. yd.	\$ 4.22
Line 1 - Cut #4	" "	5.88

TERRELL

Average of drill holes	" "	6.32
Line 3 - Cut #4	" "	5.64
Line 4 - Pit 3	" "	<u>6.32</u>

Cumulative \$28.38

÷ 5 = Average per cu. yd. \$ 5.68

VOLUME FACTOR ALL IN YARDS:

8 D x 80 W x 1250 = 800,000 Cu. yds.
 @ \$5.50/yd. = \$4,400,000.00

LOWER TERRELL & DAUGHTRY

600,000 @ \$4.00 = \$2,400,000.00

STAR PLACER & OTHERS

400,000 @ \$4.00 = \$1,600,000.00
 \$7,979,471.00

HIGH BARS

800,000 @ \$5.50 4,400,000.00

3,000,760 cu. yds. \$12,379,471.00

GOSWICK 105,600 @ \$3.57 327,000.00

\$12,706,471.00

BUDGET TO BRING BIG BUG INTO PRODUCTION

Basically a floating dredge unit, fed by a dragline capable of handling an average of 3,000 cu. yds. per 24 hour day, at a recovery rate of 95% of the free Gold present in these gravels.

1. Basic washing and screening equipment, including 1 stacker.	\$160,000.00
2. Set of jigs and amalgamation system to insure highest percentage of recovery on all types of gravel.	50,000.00
3. Steel pontoon hull + bow & stern line winches + cables.	40,000.00
4. Aux. pumps, equipment, tools, parts and supplies.	50,000.00
5. Misc. and other expences such as advance royalties.	<u>50,000.00</u>
Total	\$350,000.00

In leu of any interest to Barnes, \$30,000.00	30,000.00
in cash now. \$3,000.00 to Kathryn for past services thru July	3,000.00
Six months salary in advance @ \$2,000.00	<u>12,000.00</u>
	\$ 45,000.00

Plus a 3% royalty on all gross recovery or production

TOTAL TO BRING BIG BUG INTO PRODUCTION \$395,000.00

PRODUCTION:

Direct dredging cost	=	90¢ per yd.
Depreciation	=	<u>10¢</u> per yd.
Total direct	=	\$1.00 per yd.
Royalty 15.5%	=	<u>55¢</u> per yd.
Total		\$1.55 per yd.

Basis 90,000 yds. x		\$3.50 per yd. Gold
Less direct costs before taxes		<u>1.55</u> per yd. Gold
Net per yd. before taxes		\$1.95 per yd. Gold

90,000 yds. per month x \$1.95	=	\$ 175,500.00
6 months x \$175,500.00	=	\$1,053,000.00
11 months, if we work summers in Montana, 11 x \$175,500.00	=	\$1,930,500.00

DIRECT DREDGING COST
PER DAY and PER CU. YD.

Dredging labor costs per 24 hour day.

Dragline operator - all costs per hour	\$ 12.00
Dragline oiler	6.00
Dredge operator	8.00
Helper or hopper man	<u>6.00</u>
Shift labor cost per hour	\$ 32.00
X 24 =	\$864.00
X 15% for F. I. C. A., unemployment, industrial insurance	<u>129.60</u>
Total	\$993.60

Day Crew

1 - Forman \$10.00 per hour x 8 hours	\$ 80.00
1 - Welder 10.00 per hour x 8 hours	80.00
1 - Mechanic 10.00 per hour x 8 hours	80.00
1 - Helper 6.00 per hour x 8 hours	48.00
1 - Cat skinner 10.00 per hour x 8 hours	<u>80.00</u>
	\$368.00
Add 15%	<u>55.20</u>
	\$423.20

Total one day \$1,416.80

On 3000 cu. yd. per day = 47¢ per cu. yd.

Power, fuel, parts, supplies and maintaince = 43¢ per cu. yd.
or total 90¢ per cu. yd. all costs before taxes. Basis
150 cu. yd. per hour for 22 hours actual operating time
per 24 hour day, or 90,000 cu. yd. per 30 day month.

IDENTIFICATION and LOCATION:

Sample lines and pit, cut, drill hole numbers on the lines.

Line number one (1) is always on the up stream end of any seperate property or ownership.

Then facing down stream comes lines 2 - 3 - 4 - and so on.

Also looking down stream all pits, cuts, or drill holes are numbered from left to right.

Western Exploration inc.

1343 EAST WINTER DRIVE
PHOENIX, ARIZONA 85020
602-943-5363
FIELD OFFICE

PIT OR CUT SAMPLING LOG

NAME Terrell DATE 4 - 30 - 79
LOCATION 200 ft. S. of 1/4 Sec. Line LINE NO. One (1)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R 1E
PIT or CUT NO. One (1) DEPTH 12 ft.
BED ROCK Clay Diggable TYPE Conglomerate
BOULDERS Large to Med. CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE 15 Dumps IN PLACE 1.5 cu. yds.
TYPE of GOLD V. F. to 1/8 Flakes
WEIGHT of GOLD .58 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 4.64
VALUE PER CU. YD. \$3.10 IN PLACE Yes 1.5 cu. yd.
SPACE BETWEEN HOLES 60 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #5
METHOD of HANDLING Wet box - Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

Western Exploration inc.

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 1 - 79
LOCATION Big Bug Creek LINE NO. One (1)
STATE Arizona COUNTY Yavapai SECTION 9 T 12N R 1E
PIT or CUT NO. Two (2) DEPTH 16 ft.
BED ROCK Soft - Diggable TYPE Old Conglomerate
BOULDERS Average CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE 15 Dumps IN PLACE 1.5 cu. yds.
TYPE of GOLD V. F. Flakes
WEIGHT of GOLD .40 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 3.20
VALUE PER CU. YD. \$2.10 IN PLACE Yes
SPACE BETWEEN HOLES 60 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #5
METHOD of HANDLING Wet box - Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 1 - 79
LOCATION Big Bug Creek LINE NO. One (1)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R1E
PIT or CUT NO. Three (3) DEPTH 13 ft.
BED ROCK Soft - Diggable TYPE Old conglomerate
BOULDERS Some average CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE 15 Dumpa IN PLACE 1.5 cu. yd.
TYPE of GOLD Fine Flakes 3
WEIGHT of GOLD .49 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 3.84
VALUE PER CU. YD. \$2.56 IN PLACE Yes
SPACE BETWEEN HOLES 60 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE _____ NAME of CLAIM Mary Copper #5
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

All pits wet but easy digging to conglomerate bed rock.
Average value \$2.57 per yard - 220 yds. long x 60 yds. wide x
4 yds. deep = 52,800 yds. = recoverable values this
block = \$135,696.00.

Western Exploration inc.

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 4 - 24 - 79
LOCATION Big Bug Creek LINE NO. Two (2)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R1E
PIT or CUT NO. One (1) DEPTH 9 ft.
BED ROCK Soft & Diggable TYPE Old conglomerate
BOULDERS Up to 2 ft. CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE .5 cu. yds. IN PLACE No
TYPE of GOLD Some coarse
WEIGHT of GOLD .40 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 3.20
VALUE PER CU. YD. \$6.40 IN PLACE No
SPACE BETWEEN HOLES 60 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #5 & 7
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

Western Exploration inc.

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 4 - 25 - 79
LOCATION Big Bug Creek LINE NO. Two (2)
STATE Arizona COUNTY Yavapai SECTION 9 T 12N R 1E
PIT or CUT NO. Two (2) DEPTH 12 ft.
BED ROCK Soft & Diggable TYPE Old conglomerate
BOULDERS _____ CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE 3 cu. yds. IN PLACE No, after digging
TYPE of GOLD Medium to Fine
WEIGHT of GOLD 1.10 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 8.80
VALUE PER CU. YD. \$2.93 IN PLACE No
SPACE BETWEEN HOLES 60 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #5 & 7
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

Western Exploration inc.

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 4 - 26 - 79
LOCATION Big Bug Creek LINE NO. Two (2)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R1E
PIT or CUT NO. Three (3) DEPTH 16 ft.
BED ROCK Soft - Diggable TYPE Old Conglomerate
BOULDERS Some to 2 feet CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE 3 cu yds. IN PLACE Yes
TYPE of GOLD Medium to Fine
WEIGHT of GOLD 1.55 GRAMS. FINENESS 850 + or - 15%
VALUE of GOLD \$250.00/oz. \$ 12,40
VALUE PER CU. YD. \$4.13 IN PLACE 3.98 Yes
SPACE BETWEEN HOLES 60 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See below NAME of CLAIM Mary Copper #5 & &
METHOD of HANDLING Wet box - Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

Average 4 D x 66 W x 220 L = 58,080 cu. yds. this block.

Average Value \$4.48 x 58,080 yds = \$260,200.00 -

recoverable values this block.

Western Exploration inc.

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 2 - 79
LOCATION Big Bug Creek LINE NO. Three (3)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R1E
PIT or CUT NO. One (1) DEPTH 13 ft.
BED ROCK Soft - diggable TYPE Old Conglomerate
BOULDERS Med. CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE 15 Dumps IN PLACE 1.5 cu. yds. after digging
TYPE of GOLD Fine Flakes
WEIGHT of GOLD .67 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 5.36
VALUE PER CU. YD. \$3.57 IN PLACE No
SPACE BETWEEN HOLES 60 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See pit #3 NAME of CLAIM Mary Copper #5
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 2 - 79
LOCATION Big Bug Creek LINE NO. Three (3)
STATE Arizona COUNTY Yavapai SECTION 9 T 12N R 1E
PIT or CUT NO. Pit #Two (2) DEPTH 13 ft.
BED ROCK Diggable TYPE Old conglomerate
BOULDERS Medium to Large CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE 26 Dumps IN PLACE 3 cu. yds.
TYPE of GOLD Some coarse to fine
WEIGHT of GOLD 1.70 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 13.60
VALUE PER CU. YD. \$4.53 IN PLACE No after digging
SPACE BETWEEN HOLES 60 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #5
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

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FIELD OFFICE

PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 3 - 79
LOCATION Big Bug Creek LINE NO. Three (3)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R1E
PIT or CUT NO. Pit # 3 DEPTH 15 ft.
BED ROCK Old conglomerate TYPE Diggable
BOULDERS Small to Large CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE 15 Dumps IN PLACE 1.5 cu. yds.
TYPE of GOLD V. F. Flakes
WEIGHT of GOLD 1.1 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 8.80
VALUE PER CU. YD. \$5.90 IN PLACE No - after digging
SPACE BETWEEN HOLES 60 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE _____ NAME of CLAIM Mary Copper #5
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

This line average 4 yard deep by 66 yards wide by 220 yards long =
 $4 \times 66 \times 220 = 58,000$ Cu. yd.. Average value per cubic yard
\$4.66. Recoverable value this block \$270,653.00.

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FIELD OFFICE

PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 7 - 79
LOCATION Big Bug Creek LINE NO. Three (3)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R1E
PIT or CUT NO. Four (4) DEPTH 40 ft.
BED ROCK Old schists TYPE Diggable
BOULDERS Large CLAY Some
WET or DRY Dry OVERBURDEN 2 ft.
VOLUMN of SAMPLE 1/3 cu. yd. IN PLACE No
TYPE of GOLD Coarse to fine
WEIGHT of GOLD .235 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 1.88
VALUE PER CU. YD. \$5.64 IN PLACE _____
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #6
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 4 - 17 - 79
LOCATION Big Bug Creek LINE NO. Four (4)
STATE Arizona COUNTY Yavapai SECTION 9 T 12N R 1E
PIT or CUT NO. One (1) DEPTH 15 ft.
BED ROCK Yes TYPE Schist - hard
BOULDERS Med. to Large CLAY None
WET or DRY Wet - Stream OVERBURDEN None
VOLUMN of SAMPLE 1.5 cu. yd. IN PLACE No
TYPE of GOLD Fine to Flakes
WEIGHT of GOLD .70 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 5.60
VALUE PER CU. YD. \$3.73 IN PLACE No
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #8
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 14 - 79
LOCATION Big Bug Creek LINE NO. Four (4)
STATE Arizona COUNTY Yavapai SECTION 9 T 12N R 1E
PIT or CUT NO. Two (2) DEPTH 16 ft.
BED ROCK Not reached TYPE Unknown
BOULDERS Large - Many CLAY Yes-No cement
WET or DRY Dry Very high bar OVERBURDEN None
VOLUMN of SAMPLE 9 cu ft. - 1/3 cu yd. IN PLACE No
TYPE of GOLD Very fine
WEIGHT of GOLD .110 GRAMS. FINENESS 910
VALUE of GOLD \$250.00/oz. \$ 0.88
VALUE PER CU. YD. \$2.64 IN PLACE No
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #6
METHOD of HANDLING Wet box - Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 15 - 79
LOCATION Big Bug Creek LINE NO. Four (4)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R 1E
PIT or CUT NO. Pit Three (3) DEPTH 16 ft. - not to bed rock
BED ROCK Yes at approx. 40 ft. TYPE Schist - diggable
BOULDERS Med. to Large CLAY Yes - some cement
WET or DRY Dry - High bar OVERBURDEN None
VOLUMN of SAMPLE 13 ft. - 1/2 cu. yd. IN PLACE No
TYPE of GOLD Flakey to coarse
WEIGHT of GOLD .395 GRAMS. FINENESS 890 to 910
VALUE of GOLD \$250.00/oz. \$ 3.16
VALUE PER CU. YD. \$6.32 IN PLACE No - after digging
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE _____ NAME of CLAIM Mary Copper #5
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

Pit #3 should be in high bar category but will compute this into stream bed. 5 yds. D x 90 yds. W x 220 yds. L =
5 x 90 x 220 = 99,000 cu. yds, x \$4.29 per cu. yd. =
recoverable value this block \$424,710.00.

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FIELD OFFICE

PIT OR CUT SAMPLING LOG

NAME Terrell DATE 4 - 18 - 79
LOCATION Big Bug Creek LINE NO. Five (5)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R1E
PIT or CUT NO. One (1) DEPTH 16 ft.
BED ROCK 16 ft. - diggable TYPE Schist - weathered
BOULDERS Big to Large CLAY None
WET or DRY Wet stream OVERBURDEN None
VOLUMN of SAMPLE 1 cu. yd. IN PLACE No
TYPE of GOLD Fine & Flakey 8
WEIGHT of GOLD .670 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 5.35
VALUE PER CU. YD. \$5.35 IN PLACE No after digging
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #8
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

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FIELD OFFICE

PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 2 79
LOCATION Big Bug Creek LINE NO. Five (5)
STATE Arizona COUNTY Yavapai SECTION 9 T 12N R 1E
PIT or CUT NO. Two (2) DEPTH 16 ft. - not to bedrock
BED ROCK Unknown TYPE Unknown
BOULDERS Med. to Large CLAY Some
WET or DRY Dry OVERBURDEN None
VOLUMN of SAMPLE 1/3 cu. yd. IN PLACE No
TYPE of GOLD Fine & Flakey
WEIGHT of GOLD .125 GRAMS. FINENESS 850
VALUE of GOLD \$250.00 /oz. \$ 1.00
VALUE PER CU. YD. \$3.00 IN PLACE Yes
SPACE BETWEEN HOLES 100 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #8 & 5
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

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FIELD OFFICE

PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 3 - 79
LOCATION Big Bug Creek LINE NO. Five (5)
STATE Arizona COUNTY Yavapai SECTION 8 T12N R1E
PIT or CUT NO. Pit #Three (3) DEPTH 16 ft.
BED ROCK Not to bed rock TYPE Unknown
BOULDERS Large & many CLAY Yes - not cemented
WET or DRY Dry OVERBURDEN None
VOLUMN of SAMPLE 1/3 cu. yd. IN PLACE No
TYPE of GOLD Very fine
WEIGHT of GOLD .093 GRAMS. FINENESS 890 to 920
VALUE of GOLD \$250.00/oz. \$ 0.74
VALUE PER CU. YD. \$2.22 IN PLACE Yes
SPACE BETWEEN HOLES 100 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See below NAME of CLAIM Mary Copper #6
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS: Average value per cu. yd. \$3.53.

Unable to get to bed rock in Pit #2 or #3.

7 yds. D x 100 yds W x 220 yds L = 154,000 cu. yd..

Recoverable value this block - \$543,620.00.

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PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 3 - 79
LOCATION Big Bug Creek LINE NO. Six (6)
STATE Arizona COUNTY Yavapai SECTION 9 T12N R1E
PIT or CUT NO. Pit # One (1) DEPTH 16 ft.
BED ROCK Not reached TYPE Unknown
BOULDERS Many large ones CLAY Yes - not cemented
WET or DRY Dry OVERBURDEN some - 1½ft.
VOLUMN of SAMPLE 1/3 cu. yd. IN PLACE No
TYPE of GOLD Very fine
WEIGHT of GOLD .045 GRAMS. FINENESS 890 to 920
VALUE of GOLD \$250.00/oz. \$ 0.36
VALUE PER CU. YD. \$1.08 IN PLACE No
SPACE BETWEEN HOLES 100 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #8
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

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FIELD OFFICE

PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 4 - 79
LOCATION Big Bug Creek LINE NO. Six (6)
STATE Arizona COUNTY Yavapai SECTION 9 T 12N R 1E
PIT or CUT NO. Pit # Two (2) DEPTH 16 ft.
BED ROCK Not reached TYPE Not known
BOULDERS Med. to Large CLAY Yes - not cemented
WET or DRY Dry OVERBURDEN Some - 1 ft.
VOLUMN of SAMPLE 1/3 cu. yd. IN PLACE No 8
TYPE of GOLD Very fine
WEIGHT of GOLD 207 GRAMS. FINENESS 890 to 920
VALUE of GOLD \$250.00/oz. \$ 1.66
VALUE PER CU. YD. \$4.97 IN PLACE No
SPACE BETWEEN HOLES 100 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Mary Copper #4
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

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FIELD OFFICE

PIT OR CUT SAMPLING LOG

NAME Terrell DATE 5 - 17 - 79
LOCATION Big Bug Creek LINE NO. Six (6)
STATE Arizona COUNTY Yavapai SECTION 9 T 12N R 1E
PIT or CUT NO. Pit # Three (3) DEPTH 16 ft.
BED ROCK Not reached TYPE Unknown
BOULDERS Large CLAY Yes - not cemented
WET or DRY Dry OVERBURDEN Some 1 ft.
VOLUMN of SAMPLE 1/3 cu. yd. IN PLACE No
TYPE of GOLD Very fine
WEIGHT of GOLD .068 GRAMS. FINENESS 890 to 920
VALUE of GOLD \$250.00/oz. \$ 0.544
VALUE PER CU. YD. \$1.63 IN PLACE No
SPACE BETWEEN HOLES 100 FEET.
SPACE BETWEEN LINES 660 FEET.
ESTIMATED YARDAGE _____ NAME of CLAIM Mary Copper #4
METHOD of HANDLING Wet box & Sluice Estimate bed rock at 25 ft.
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

No holes to bed rock on this line. Impossible to evaluate for true value per yd.. Average per cu. yd. \$2.56.

7 yds D x 100 yds. W x 220 yds = 154,000 cu. yds.

Recoverable value this block - \$394,240.00.

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PIT OR CUT SAMPLING LOG

NAME Rex Ricks DATE 5 - 2 - 79
LOCATION Big Bug Creek LINE NO. One (1)
STATE Arizona COUNTY Yavapai SECTION 8 T 12N R 1E
PIT or CUT NO. One (1) DEPTH 16 ft.
BED ROCK Yes Diggable TYPE Conglomerate
BOULDERS Med. to Large CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE 9 cu. ft. - 1/3 cu. yd. IN PLACE No
TYPE of GOLD Fine & Flat
WEIGHT of GOLD .150 GRAMS. FINENESS 890 to 910
VALUE of GOLD \$250.00/oz. \$ \$1.20
VALUE PER CU. YD. \$3.60 IN PLACE No after digging
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 1320 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Rainbow Copper #8
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

Poor recovery of last feet above bed rock, due to back hoe bucket position at this depth.

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PIT OR CUT SAMPLING LOG

NAME Rex Ricks DATE 5 - 3 - 79
LOCATION Big Bug Creek LINE NO. one (1)
STATE Arizona COUNTY Yavapai SECTION 8 T 12N R 1E
PIT or CUT NO. Two (2) DEPTH 10 feet - high bed rock
BED ROCK Yes - diggable TYPE Schist
BOULDERS Med. to Large CLAY Yes - No cement
WET or DRY Dry OVERBURDEN None
VOLUMN of SAMPLE 9 cu. ft. - 1/3 cu. yd. IN PLACE Yes
TYPE of GOLD Fine & Flat
WEIGHT of GOLD .055 GRAMS. FINENESS 890 to 910
VALUE of GOLD \$250.00/oz. \$ 44¢
VALUE PER CU. YD. \$1.32 IN PLACE Yes
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 1320 FEET.
ESTIMATED YARDAGE See Pit #3 NAME of CLAIM Rainbow Copper #8
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

A high schist rock reef was hit under this pit, accounts for low value.

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PIT OR CUT SAMPLING LOG

NAME Rex Ricks DATE 5 - 4 - 79
LOCATION Big Bug Creek LINE NO. One (1)
STATE Arizona COUNTY Yavapai SECTION 8 T12N R 1E
PIT or CUT NO. Three (3) DEPTH 16 feet - not to bed rock
BED ROCK Unknown TYPE Unknown
BOULDERS Large CLAY None
WET or DRY Dry OVERBURDEN None
VOLUMN of SAMPLE 9 cu. ft. - 1/3 cu. yd. IN PLACE No
TYPE of GOLD Med. to Fine
WEIGHT of GOLD .175 GRAMS. FINENESS 890 to 910
VALUE of GOLD \$250.00/oz. \$ \$1.40
VALUE PER CU. YD. \$4.22 IN PLACE No
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 1320 FEET.
ESTIMATED YARDAGE See below NAME of CLAIM Rainbow Copper #8
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

100 x 440 x 7 = 308,000 cu. yd.
W Long Deep

Direct average of 3 pits \$3.00/cu. yd...

Weighted average depth x value = \$3.36/cu. yd.

Average \$3.20 x 308,000 cu. yds. = Recoverable value this block

\$985,600.00

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PIT OR CUT SAMPLING LOG

NAME Rex Ricks DATE 5 - 4 - 79
LOCATION Big Bug Creek LINE NO. Two (2)
STATE Arizona COUNTY Yavapai SECTION 8 & 9 T 12 N R 1 E
PIT or CUT NO. One (1) DEPTH 16 ft.
BED ROCK Unknown TYPE Unknown
BOULDERS Med. to Large CLAY None
WET or DRY Wet Stream OVERBURDEN None
VOLUMN of SAMPLE 9 cu. ft. - 1/3 yard IN PLACE Yes
TYPE of GOLD Flat & Fine
WEIGHT of GOLD .110 GRAMS. FINENESS 890 to 910
VALUE of GOLD \$250.00/oz. \$.88
VALUE PER CU. YD. \$2.64 IN PLACE Yes
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 1320 FEET.
ESTIMATED YARDAGE See Pit #4 NAME of CLAIM Rainbow Copper 3 & 4
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

Very wet cut - kept caving.
Could not dig below 16 feet.

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PIT OR CUT SAMPLING LOG

NAME Rex Ricks DATE 5 - 7 - 79
LOCATION Big Bug Creek LINE NO. Two (2)
STATE Arizona COUNTY Yavapai SECTION 8 & 9 T 12N R 1E
PIT or CUT NO. Two (2) DEPTH 16 feet
BED ROCK Unknown TYPE Unknown
BOULDERS Me. to Large CLAY None
WET or DRY Wet Stream OVERBURDEN None
VOLUMN of SAMPLE 9 cu. ft. - 1/3 ^{cu.} yd. IN PLACE No
TYPE of GOLD Flakes & Flat
WEIGHT of GOLD .08 GRAMS. FINENESS 890 to 910
VALUE of GOLD \$250.00/oz. \$ \$0.64
VALUE PER CU. YD. \$1.92 IN PLACE Yes
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 1320 FEET.
ESTIMATED YARDAGE See Pit #4 NAME of CLAIM Rainbow Copper 3 & 4
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

Cut caved - not able to dig below 16 feet.
Not to bed rock.

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PIT OR CUT SAMPLING LOG

NAME Rex Ricks DATE 5 - 8 - 79
LOCATION Big Bug Creek LINE NO. Two (2)
STATE Arizona COUNTY Yavapai SECTION 8 & 9 T12N R1E
PIT or CUT NO. Three (3) DEPTH 29.9 feet
BED ROCK Schist - diggable TYPE Schist weathered
BOULDERS Big & Large CLAY Yes - No cement
WET or DRY Dry High bar OVERBURDEN None
VOLUMN of SAMPLE 9 cu. ft. - 1/3 cu. yd. IN PLACE Yes
TYPE of GOLD Very fine
WEIGHT of GOLD .03 GRAMS. FINENESS 910
VALUE of GOLD \$250.00/oz. \$ \$2.24
VALUE PER CU. YD. \$0.72 IN PLACE Yes
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 1320 FEET.
ESTIMATED YARDAGE See Pit # 4 NAME of CLAIM Rainbow Copper 3 & 4
METHOD of HANDLING Wet box & Sluice In East Corner of my old dredge
PANED or WEIGHED BY C. S. Barnes pit

GENERAL REMARKS:

This cut directly up stream from Terrell drill hole No. 1
which showed a value of \$4.52 per yard to 29 feet.
Question - which is right.

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PIT OR CUT SAMPLING LOG

NAME Rex Ricks DATE 5 - 9 - 79
LOCATION Big Bug Creek LINE NO. Two (2)
STATE Arizona COUNTY Yavapai SECTION 8 & 9 T 12N R 1E
PIT or CUT NO. Four (4) DEPTH 29.9 feet
BED ROCK Yes Diggable TYPE Schist - weathered
BOULDERS Big & Large CLAY Yes - No cement
WET or DRY Dry - High bar OVERBURDEN None
VOLUMN of SAMPLE 9 cu. ft. - 1/3 cu. yd. IN PLACE No
TYPE of GOLD Fine to Coarse
WEIGHT of GOLD .245 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ \$1.96
VALUE PER CU. YD. \$5.88 IN PLACE No
SPACE BETWEEN HOLES 90 FEET.
SPACE BETWEEN LINES 1320 FEET.
ESTIMATED YARDAGE _____ NAME of CLAIM Rainbow Copper 4 & 5
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

In west corner of my old dredge pit, directly north of Terrell
drill hole No. 2. Compares very good to each other.

Average value with Pit #3 \$2.80
Average value without Pit #3 \$3.48
Average value both ways = \$3.14/cu. yd.

8 yds. D x 90 yds W x 440 yds L = 8 x 90 x 440 = 316,800 cu. yds.
at \$314 = recoverable value this block # - \$974,752.00.

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PIT OR CUT SAMPLING LOG

NAME Goswick DATE 5 - 13 - 79
LOCATION Big Bug Creek LINE NO. One (1)
STATE Arizona COUNTY Yavapai SECTION 5 T12N R 1E
~~XXXX~~ CUT NO. One (1) DEPTH 15 ft.
BED ROCK Yes TYPE Hard schist
BOULDERS Big to Large CLAY None
WET or DRY Dry to 10 ft. then wet OVERBURDEN None
VOLUMN of SAMPLE 1/3 yd. IN PLACE No
TYPE of GOLD Light to Med.
WEIGHT of GOLD .120 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 0.96
VALUE PER CU. YD. \$2.88 IN PLACE Yes
SPACE BETWEEN HOLES 80 FEET.
SPACE BETWEEN LINES -- FEET.
ESTIMATED YARDAGE See Pit #2 NAME of CLAIM Patented Land
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

This line #1 is at the upper end of Goswick property,
wet bed rock - hard - not diggable at this site.

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PIT OR CUT SAMPLING LOG

NAME Goswick DATE 5 - 12 - 79
LOCATION Big Bug Creek LINE NO. One (1)
STATE Arizona COUNTY Yavapai SECTION 5 T 12N R 1E
PIT or CUT NO. Two (2) DEPTH 16 ft.
BED ROCK Yes - diggable TYPE Schist
BOULDERS Some - large CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE $\frac{1}{2}$ cu. yd. IN PLACE No
TYPE of GOLD Med. to coarse
WEIGHT of GOLD .30 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 2.40
VALUE PER CU. YD. \$4.80 IN PLACE Yes
SPACE BETWEEN HOLES 80 FEET.
SPACE BETWEEN LINES _____ FEET.
ESTIMATED YARDAGE _____ NAME of CLAIM Patented Land
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes

GENERAL REMARKS:

These Pits & Cut were dug at the North end of property where creek turns from east flow to South East, the propert is 440 yds. long x 60 yds. wide x e yds. deep = 105,600 yds.. Average value \$3.57 per cu. yd.. Total recoverable value = \$327,000.00 at \$250.00/oz. Gold

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FIELD OFFICE

PIT OR CUT SAMPLING LOG

NAME Goswick DATE 5 - 12 - 79
LOCATION Big Bug Creek LINE NO. One (1)
STATE Arizona COUNTY Yavapai SECTION 5 T12N R1E
PIT or CUT NO. One (1) DEPTH _____
BED ROCK Hard schist TYPE diggable
BOULDERS Large to med. CLAY None
WET or DRY Wet OVERBURDEN None
VOLUMN of SAMPLE ½ cu. yd. IN PLACE No
TYPE of GOLD Some coarse
WEIGHT of GOLD .190 GRAMS. FINENESS 850
VALUE of GOLD \$250.00/oz. \$ 1.52
VALUE PER CU. YD. \$3.04 IN PLACE Yes
SPACE BETWEEN HOLES 80 FEET.
SPACE BETWEEN LINES See Pit #2 FEET.
ESTIMATED YARDAGE See Pit #2 NAME of CLAIM Patented Land
METHOD of HANDLING Wet box & Sluice
PANNED or WEIGHED BY C. S. Barnes
GENERAL REMARKS:

AVERAGE OF DRILL HOLES

DEPTH 32.7 feet
VALUE \$6.32 per cu. yd.
GOLD at \$250.00/oz. or \$8.00 per Gram

RECORD OF DRILL HOLE No. One (1)

LINE NO. One (1)

State Arizona County Yavapai Section 8 T. 12N R. 1E
 Name of Property Terrell In Charge C. S. Barnes
 Date Started 5 - 11 - 79 Driller John Lee
 Date Finished 5 - 15 - 79 Partner C. S. Barnes

DEPTH		CORE DATA								Drill'd Ahead	Buck'l. Vol.	No. of Colors				Est. Wt. of Gold	FORMATION AND REMARKS
Ft.	In.	Drive		Ms'd. Core		Core Pump'd		Rem. Core		In.	Ca. Ft.	1	2	3	4		
		Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.								
1		1								No		1			8		
2		1								"							
3		1								"						.8 cu. ft.	
4		1								"							
5		1								"	.8	1		6	8		
6		1								"						.8 cu. ft.	
7		1								"	.8				10		
8		1								"						.8 cu. ft.	
9		1								"	.8	1	2		4		
10		1								"							
11		1								"						.8 cu. ft.	
12		1								"	.8	1		2	4		
13		1								"						.75 cu. ft.	
14		1								"	.75		3	3	4		
15		1								"						.7 cu. ft.	
16		1								"	.7	1	3	2	6		
17		1								"							
18		1								"						.8 cu. ft.	
19		1								"	.8	1	2	2	4		
20		1								"							
21		1								"						.6 cu. ft.	
22		1								"	.6	1	1	4	8		
23		1								"							
24		1								"						.5 cu. ft.	
25		1								"	.5	3	4	7	10		
26		1								"						.5 cu. ft.	
27		1								"		10	14	9	10		
28		1								"						.6 cu. ft.	
29		1								"		10	20	20	20	Not to bed rock	

6" Pipe Volume Per. Ft. = .181019 Cu. Ft.
 7 1/4" Drive Shoe Vol. Per Ft. = .3067963 Cu. Ft.
 Dia. of Drive Shoe 7 1/2 cu. ft.
 Theoretical Volume 7.83 cu. ft.
 Measured Volume 7.45 cu. ft.
 Bucket Volume _____
 Constant Used _____

Wt. of Gold 170 Grams
 Fineness 850
 Value of Sample \$1.16
 Formula: 27 x Value of Sample
 Value Per Cu. Yd. Constant X Depth
 Value Per Cu. Yd. \$4.00 +

DEPTH 2 ft.
 Soil _____
 Gravel Heavy Boulders
 Bedrock Est. 32 ft.
 Water Level Dry
 Pay in Bedrock Not to bed rock

ABBREVIATIONS

Tr.	Trace	S.	Sand	Fl.	Firm
T.	Tailings	C.	Gravel	Sl.	Slidy
F.	Fine	Cl.	Clay	Med.	Medium
C.	Coarse	B.	Boulders	M.	Much
V.	Vicr	So.	Some	L.	Loose

TIME LOG:
 Drilling 24 hrs. Repairs Lost baler
 Pulling 8 hrs. Delays At 29 ft.
 Moving _____ Total Time _____
GOLD at \$250.00/oz.

RECORD OF DRILL HOLE No. Two (2)

LINE NO. One (1)

State Arizona County Yavapai Section 8 T12N R1E
 Name of Property Terrell C. S. Barnes In Charge
 Date Started 5 - 8 - 79 John Lee Driller
 Date Finished 5 - 11 - 79 C. S. Barnes Panner

DEPTH		CORE DATA										Drill'd Ahead	Buck't. Vol.	No. of Colors				Est. Wt. of Gold	FORMATION AND REMARKS
Fl.	In.	Drive		Ms'd. Core		Core Pump'd		Rem. Core		In.	Cu. Ft.			1	2	3	4		
		Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	In.									
0	3	3									No	.5	1	2	4	2 ft. soil			
3	6	3									"	.8	2	2	2	Light clay & boulders			
6	9	3									"	.7				" " "			
9	12	3									"	.5	1	2	3	" " "			
12	15	3									"	.9	1	3	1 3	Clay & boulders			
15	18	3									"	.8	1	2	4 8	" "			
18	21	3									"	.65	1	3	3 4	" & heavy boulders			
21	24	3									"	.8	2	2	4 6	" " "			
24	27	3									"	.65	3	4	6 8	" " "			
27	30	3									"	.8	5	9	11 15	" " "			
30	33	3									"	.3	6	12	15 30	Drilled 1 ft. into bed rock			

Total bucket volume 7.30 Short 1.7 cu. ft.

If full volume theoretical value = \$4.47 per cu. yd.

Measured volume value = \$5.67 per cu. yd.

Average value = \$5.07 per cu. yd.

6" Pipe Volume Per Ft. = .181019 Cu. Ft.

7 1/2" Drive Shoe Vol Per Ft. = .3067968 Cu. Ft.

Dia. of Drive Shoe 7.5

Theoretical Volume 9 cu. ft.

Measured Volume 7.3 cu. ft.

Bucket Volume

Constant Used

Wt. of Gold .210 Grams

Fineness 850

Value of Sample \$1.43

Formula: 37 x Value of Sample

Value Per Cu. Yd. Constant X Depth

Value Per Cu. Yd. \$5.07

DEPTH
 Soil 2 ft.
 Gravel Very Heavy
 Bedrock Schist
 Water Level Dry
 Pay in Bedrock None

ABBREVIATIONS

TR.	Trace	S.	Sand	FL	Firm
T.	Tailings	C.	Clay	SL	Sticky
F.	Fine	CL	Clay	Md.	Medium
C.	Coarse	B.	Boulders	M.	Much
V.	Very	Sm.	Some	L.	Loose

TIDE LOG:

Drilling 24 hrs. Repairs None
 Pulling 2 " Delays
 Moving 2 " Total Time 28 hrs.

GOLD at \$250.00/oz.

RECORD OF DRILL HOLE No. Three (3)

LINE NO. One (1)

State Arizona County Yavapai Section 8 T12N R1E
 Name of Property Terrell C. S. Barnes In Charge
 Date Started 5 - 16 - 79 John Lee Driller
 Date Finished 5 - 19 - 79 C. S. Barnes Penner

DEPTH		CORE DATA								Drill'd Ahead	Buck't. Vol.	No. of Colors				Est. Wt. of Gold	FORMATION AND REMARKS
Fl.	In.	Drive		Ms'd. Core		Core Pump'd		Rem. Core				1	2	3	7.		
		Fl.	In.	Fl.	In.	Fl.	In.	Fl.	In.	In.	Cu. Ft.						
0	3	3								No	.7		2	2		2 ft. soil	
3	8	5								"	1.0	1	2	3		Clay & light boulders	
8	11	3								"	.75		3	6		" " "	
11	13	2								"	.52		3	4		" " "	
13	16	3								"	.75		3	7		" Med. "	
16	18	2								"	.7		4	8		" " "	
18	22	4								"	.85	1	3	5	7	" heavy "	
22	26	4								"	.8	3	5	8	12	" " "	
26	29	3								"	.6	4	9	12	20	" " "	
29	31	2								"	.3	4	4	8	6		
31	33	2								"	.3	7	5	4	10		
33	36	3								"	.3	9	11	9	12	1/2 ft. into schist bed rock	

Bucket measured volume 6.57

Theoretical volume should be 9.72 cu. ft. short 3.15 cu. ft

Theoretical value = \$7.94/cu. yd.

Measured value = \$11.87/cu. yd.

Average of both = \$9.90/cu. yd.

6" Pipe Volume Per Ft. = .18109 Cu. Ft.

7 1/4" Drive Shoe Vol. Per Ft. = .3067963 Cu. Ft.

Dia. of Drive Shoe 7.5 "

Theoretical Volume

Measured Volume

Bucket Volume

Constant Used

Wt. of Gold .420 Grams

Finesness 850

Value of Sample \$2.86

Formula: $\frac{27 \times \text{Value of Sample}}{\text{Constant} \times \text{Depth}}$

Value Per Cu. Yd. \$9.90

Value Per Cu. Yd. \$9.90

DEPTH

Soil 2 ft.

Gravel Very heavy

Bedrock 35.5 schist

Water Level Dry

Pay in Bedrock None

ABBREVIATIONS

TR.	Trace	S.	Sand	FL	Firm
T.	Tailings	G.	Gravel	SL	Slicky
F.	Fine	CL	Clay	MD	Medium
C.	Coarse	B.	Boulders	M.	Much
V.	Very	Sm.	Some	L.	Loose

TIME LOG:

Drilling	<u>20</u> hrs.	Repairs	
Pulling	<u>2</u> "	Delays	
Moving	<u>2</u> "	Total Time	<u>24</u> hours

GOLD at \$250.00/oz.

IRON KING ASSAY OFFICE
ASSAY CERTIFICATE

BOX 247 — PHONE 632-7410
 HUMBOLDT, ARIZONA 86329



ASSAY
 MADE
 FOR

C. S. BARNES
 Western Exploration Inc.
 1355 East Winter Dr.
 Phoenix, Ariz. 85020

June 2, 1979

ef no.	DESCRIPTION	16X/105X/142/16X		% Fe	% Pb	% Zn	% Cu
		Au	Ag				
5-30-1	Placer gold	885.6	Fine				

CHARGES \$5.00

ASSAYER _____

NET WEIGHT OF GOLD

TERRELL

Line 1

P 1 .580 Grams
 P 2 .400 "
 P 3 .480 "

 1.460 Grams

Line 2

P 1 .400 Grams
 P 2 1.100 "
 P 3 1.550 "
 P 4 .235 "

 3.285 Grams

Line 3

P 1 .670 Grams
 P 2 1.700 "
 P 3 1.100 "
 P 4 .040 "

 3.510 Grams

Line 4

P 1 .700 Grams
 P 2 .110 "
 P 3 .395 "

 1.205 Grams

Line 5

P 1 .670 Grams
 P 2 .125 "
 P 3 .093 "

 .888 Grams

Line 6

P 1 .045 Grams
 P 2 .207 "
 P 3 .063 "

 .315 Grams

Line 1

D H 1 .170 Grams
 D H 2 .210 "
 D H 3 .420 "

 .800 Grams

Lower Terrell W. Side of Stream .155 Grams

Terrell Railroad Bridge (center) .070 "

Lower Terrell Mid. Field W. Side .142 "

 .367 Grams

TERRELL TOTAL 11.830 Grams