



## **CONTACT INFORMATION**

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Arizona Geological Survey  
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602-771-1601  
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[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 03/22/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MONARCH

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 69F

LOCATION: TOWNSHIP 23 S RANGE 11 E SECTION 19 QUARTER NE  
LATITUDE: N 31DEG 24MIN 51SEC LONGITUDE: W 111DEG 15MIN 01SEC  
TOPO MAP NAME: ORO BLANCO - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD  
SILVER  
COPPER

BIBLIOGRAPHY:

INDEX OF MINING PROPERTIES IN SANTA CRUZ CO.  
PRIVATE RECORDS  
SANTA CRUZ CO. RECORDER'S RECORDS  
ADMMR MONARCH ~~MINE~~ FILE

MONARCH MINE

SANTA CRUZ COUNTY

MG WR 7/10/87: Vernon Dale reports that he and his family worked the Monarch, Old Soldier and Triangle Mines (Santa Cruz County) during the late 1920's.

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MONARCH MINE

SANTA CRUZ COUNTY

RRB WR 10/23/81: He said that Vernon Dale, P.O. Box 192, Dragoon - 586-2636 owner of the Monarch suggested that Biss Baxter check out the Dragoon area.

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MG WR 9/24/82: U. S. Bureau of Mines Reported Production from Oro Blanco Mining District, Santa Cruz County for the Monarch Mine. In the following years, 1913, 1935-37 111 tons were reported treated. Produced were 41 pounds of copper, 7,500 ounces of silver and 165 ounces of gold.

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ARIZONA DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA

June 5, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Monarch Mine (Santa Cruz County) Gold, silver, lead, manganese, zinc  
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

*Frank P. Knight*

FRANK P. KNIGHT,  
Director.

Enc: Mine Owner's Report



No Such Post Office  
In Arizona 13.

Mr. F.D. Dale

Ruby,

Arizona

QUIT-CLAIM DEED

THIS INDENTURE, Made the 2nd day of December, 1971,  
between L. F. LONG, single, Grantor, and VERNON B. DALE, Grantee.

WITNESSETH; That the said Grantor, for and in  
consideration of the sum of Ten Dollars, (\$10.00), to him in hand  
paid by the said Grantee, the receipt whereof is hereby confessed  
and acknowledged, has, released and quit-claimed, and by these  
presents does release and quit-claim unto the said Grantee, and to  
his heirs and assigns forever, all the right, title, interest,  
claim and demand which the said Grantor has in and to the  
following described property situate in the Oro Blanca Mining  
District, Santa Cruz County, State of Arizona, to-wit:

Unpatented mining claim known as Grub Stake Mining Claim  
No. 1, Notice of Location of which is recorded at Page 175, in  
Book 27 Mining Locations in the Office of County Recorder of Santa  
Cruz County, Nogales, State of Arizona, and being situate a few  
100 feet South East of U. S. M. M. No. 2. Said claim runs from  
the discovery monument, or stake on which the notice is posted,  
Nine Hundred (900) feet in a North West direction to the North  
West center end monument, or stake, and Six Hundred (600) feet in  
a South East direction from the aforesaid monument, or stake, to  
the South East center end monument or stake, and is also by two  
corner monuments, or stakes, at each end of said claim, one on  
each side of and 300 feet from the center end monuments, or stakes,  
making the claim in the form of a parallelogram,

TO HAVE AND TO HOLD the same together with all the appurtenances thereunto belonging, to the grantee, his heirs and assigns forever.

IN WITNESS WHEREOF, the said grantor has hereunto set his hand the day and year first above written.

L. F. Long  
L. F. Long

STATE OF WEST VIRGINIA,

COUNTY OF Braxton, TO-WIT:

On this the 10th day of December, 1971, before me, Mary B. Nichols, the undersigned Notary Public, personally appeared L. F. LONG, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof I hereunto set my hand and official seal.

Mary B. Nichols  
Notary Public

My commission expires:

May 1st 1978

JENIVER JAMES JONES  
ATTORNEY AT LAW  
GIVEN BUILDING  
SUTTON, WEST VIRGINIA,  
26601

\*\*\*\*\*

PREPARED BY:

Jeniver J. Jones  
Attorney at Law  
Given Building  
Sutton, West Virginia 26601

# Affidavit of Labor Performed and Improvements Made

STATE OF ARIZONA,  
County of Cochise } ss.

VERNON B DALE being duly sworn, deposes and  
says that he is a citizen of the United States and more than twenty-one years of age, and  
resides at Dragoon in Cochise County, State of Arizona, and is personally  
acquainted with the mining claim known as Grub stake

mining claim, situate in Oro Blanco  
Mining District, County of santa Cruz, State of Arizona, the location notice of which  
is recorded in the office of the County Recorder of said County, in Book 27 of Records of  
Mines, at page 75; that between the 1<sup>st</sup> day of September, A. D. 1972,  
and the 1<sup>st</sup> day of September, A. D. 1973, at least two  
hundred dollars worth of work and improvements were  
done and performed upon said claim, not including the location work of said claim. Such work  
and improvements were made by and at the expense of VERNON  
Dale for Lawrence F. Long

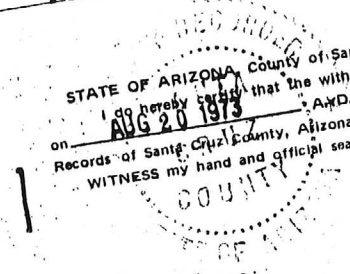
owner of said claim for the purpose of complying with the laws of the United States  
pertaining to assessment of annual work, and VERNON DALE  
Ed Grasmann & Pat Grasmann

were the men employed by said owner and who labored upon said claim, did said work  
and improvements, the same being as follows, to-wit:

<u>Mining - Six - 8-hour shifts</u>	<u>120</u> <sup>00</sup>
<u>Mine Drainage - 3 shifts</u>	<u>60</u> <sup>00</sup>
<u>Tools &amp; Supplies</u>	<u>35</u> <sup>00</sup>
<u>Camp &amp; road improvements</u>	<u>50</u> <sup>00</sup>

FEE NO. 3178  
at the request of Vernon B. Dale  
M. Docket No. 162 Page 202

STATE OF ARIZONA, County of Santa Cruz - SS.  
I do hereby certify that the within instrument was filed and recorded at the request of  
on AUG 20 1973, A.D., 1973 at 8:45 o'clock P. M. Docket No. 162 Page 202  
Records of Santa Cruz County, Arizona.  
WITNESS my hand and official seal the day and year first above written.  
G. ESPINOSA MORENO, COUNTY RECORDER  
By Laura C. Jontes  
Deputy



[Signature]  
Notary Public.



IN REPLY REFER TO:  
DO:GW  
AR 020428, VS-2  
3-SR-60  
Arivaca Area

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
LAND OFFICE  
P. O. BOX 148  
PHOENIX, ARIZONA

MAY 11, 1960

DECISION

Lawrence F. Long  
267 E Blacklidge  
Tucson, Arizona

Termination of Proceedings  
under Section 5, of the Act  
of July 23, 1955

Stipulation Accepted  
Further Proceedings Terminated as to Designated Claims

May 5, 1959, Lawrence F. Long, Claimant, on behalf of himself, and James M. Dale who owns one-half interest in the Triangle claim, filed in this office a verified statement in connection with mining claims designated as the Triangle and Grubstake, in compliance with a "Notice to Mining Claimants" published pursuant to Section 5 of the Act of July 23, 1955 (69 Stat. 367). The subject verified statement was acceptable and was transmitted to the Regional Forester, Albuquerque.

On February 29, 1960, Lawrence F. Long, through the U. S. Forest Service, filed the following stipulation withdrawing the said verified statement:

STIPULATION

Pursuant to the provisions of section 5© of the Act of July 23, 1955 (69, Stat. 367), I LAWRENCE F. LONG, Whose address IS 267 East Blacklidge, Tucson, Arizona, filed a verified statement (AR-020428, VS-2) on or about July 18, 1959 with the Bureau of Land Management in Phoenix, Arizona for the mining claims described below located in the Arivaca Area, Coronado National Forest, Santa Cruz County, Arizona, pursuant to the "Notice to Mining Claimants", published for determination of surface rights for the area in which the said claims are located.

Notice or certificate  
of location recorded indicator or

<u>Name of Claims</u>	<u>Date of Location</u>	<u>Book</u>	<u>Page</u>	<u>Purchaser</u>
Triangle lode	10-1-50	27	170	Locator
Grubstake lode	10-1-50	27	175	Locator

NOW, IT IS HEREBY STIPULATED, by, LAWRENCE F. LONG, mining claimant, and the U. S. FOREST SERVICE, that the said LAWRENCE F. LONG agrees to allow the U. S. FOREST SERVICE the right to manage and dispose of the vegetative surface resources located on the above described mining claims, and to allow the U. S. FOREST SERVICE the right to build roads, trails and communication...

*(The rest of this report was not found in the original file)*

Retyped by Tina Mendoza

April 4, 2002

MM-54

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
OWNERS MINE REPORT

Date October 12, 1940

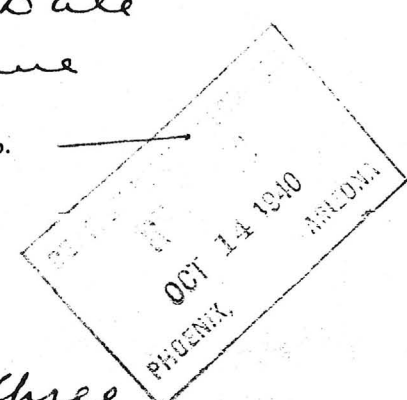
- 1. Mine Monarch Mine
- 2. Mining District & County Oro Blanco Dist.  
Santa Cruz County
- 3. Former name
- 4. Location 75 miles southwest of Tucson  
Via Nogales highway to Kingsley, right  
to Arivaca, left to old Austrility mine  
right hand main traveled road, 4 miles  
southwest of Ruby Post Office.
- 5. Owner F. D. Dale
- 6. Address (Owner)  
Ruby, Arizona
- 7. Operator Same
- 8. Address (Operator)
- 9. President
- 10. Gen. Mgr.
- 11. Mine Supt.
- 12. Mill Supt.
- 13. Principal Metals Gold, Silver, Lead, Manganese,  
Zinc.
- 14. Men Employed Three
- 15. Production Rate Small scale shipping
- 16. Mill: Type & Cap.
- 17. Power: Amt. & Type
- 18. Operations: Present Development work only, sinking, drifting and crosscutting.
- 19. Operations Planned Sinking of shaft 250 feet.  
Drifting and crosscutting on vein.
- 20. Number Claims, Title, etc. Ten unpatented and two patented.  
All in one group. Can send map showing workings, location,  
etc. on request.
- 21. Description: Topography & Geography Is very rough and hilly. Elevation about 4800 ft.  
Property lies mostly between Warsaw Gulch and  
Grubstake Canyon with tips crossing each.
- 22. Mine Workings: Amt. & Condition Shaft 125 ft. deep on lead, silver vein, makes water and  
now is full to collar. Shaft 105 ft. deep on gold, silver vein with small amount of  
stoping each way on veins, also on same vein 300 ft. from this working, tunnel into hill  
and winze 40 ft. deep with small amount of stoping. All in ore. 25 ft. shaft on lead  
gold silver vein also trenching and small holes on all veins. No development done on  
manganese except small cuts.

23. Geology & Mineralization      the two veins where I have seen as andesite and guanajuatite (?)  
foot wall with mostly conglomerate hanging walls. All fisher  
veins apparently all igneous deposit in oxides down to appx.  
60 ft. then going into sulphides and widening.
24. Ore: Positive & Probable, Ore Dumps, Tailings No tailings. Small dumps that is a good milling  
ore and all workings showing a good grade of milling ore also  
some that could be shipped in carload lots.
- 24-A Vein Width, Length, Value, etc. Have never accurately checked amount or value of  
ore blocked.
25. Mine, Mill Equipment & Flow Sheet None
26. Road Conditions, Route      Road from Ruby highway in to mine bad, rough and very hilly.  
Local miners and prospectors keep road up no help from  
county or state. Hauling is being done however,
27. Water Supply      Three permanent water sources on property with running water in  
Warsaw Gulch seven months of the year.
28. Brief History      Practically all of the work and exploration has been done by me. No  
production by anyone that I know of. I ship only the high grade ore  
that I come into while carrying on.
29. Special Problems, Reports Filed      Road help is needed very badly. Costs \$5.00 per ton  
from mine to railroad. If a road were maintained \$15  
ore could be shipped at a profit.
30. Remarks      I need more development mostly, I want to sink 250 ft. more and see what  
happens in the sulphide ore. I have a good portable compressor with some  
other equipment but lack of funds, five to ten thousand dollars will be  
necessary to complete this work.
31. If property for sale: Price, terms and address to negotiate.      Will give reasonable interest  
in return for capital to go ahead  
and develop or sell outright. Just address me  
Ruby , Arizona
32. Signed..... F. Donovan Dale.
33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
MINE OWNER'S REPORT

Date *Oct. 12-1940*

- 1. Mine *Monarch mine*
- 3. Mining District & County *Old Blanco, Santa Cruz County*
- 4. Former name *none*
- 5. Owner *F. D. Dale*
- 7. Operator *same*
- 9. President, Owing Co. \_\_\_\_\_
- 10. Gen. Mgr. \_\_\_\_\_
- 11. Mine Supt. \_\_\_\_\_
- 12. Mill Supt. \_\_\_\_\_
- 13. Men Employed *Three*
- 18. Operations: Present *Development work only, sinking, drifting and cross cutting.*



- 2. Location *75 miles southwest of Tucson, via Nogales highway to Kingley, right to Arivach, left to old Australia mine, right hand main traveled road, 4 miles southwest of Ruby, P.O.*
- 6. Address (Owner) *Ruby, Arizona*
- 8. Address (Operator) " "
- 9A. President, Operating Co. \_\_\_\_\_
- 14. Principal Minerals *Gold, Silver, Lead, manganese, zinc*
- 15. Production Rate *small scale shipping*
- 16. Mill: Type & Cap. *none*
- 17. Power: Amt. & Type *none*

- 19. Operations: Planned *Sinking of shaft two hundred fifty ft. drifting on vein + cross cutting.*

- 20. Number Claims, Title, etc. *ten unpatented and two patented, all in one group, can send map showing workings, location etc on request.*

- 21. Description: Topography & Geography *Is very rough and hilly, elevation about 4800 ft. Property lies mostly between Warsaw gulch and Grubstake Canyon with tips crossing each.*

- 22. Mine Workings: Amt. & Condition *Shaft 125' deep on Lead, Silver vein, water and now is full to collar. Shaft 105' deep on Gold, Silver vein with small amt. of stoping each way on vein. Also on same vein 300' from this workings, tunnel into hill and mine 40' deep with small amt. of stoping. All in all. 25' shaft on Lead, Gold silver vein - also trenching and small holes on all (over) veins. No development done*

23. Geology & Mineralization The 7 veins where I have sunk is andesite and trachodiorite ft. walls with mostly copper - glauconate bearing walls. All these veins apparently all minerals deposit in oxides down to approx. 60' then going in to sulphides and widening.

24. Ore: Positive & Probable, Ore Dumps, Tailings No tailings, small dumps that is a good milling ore and all workings showing a good grade of milling ore also some that could be shipped in car load lots.

24A. Dimensions and Value of Ore body Have never accurately checked amount or value of ore attached.

25. Mine, Mill Equipment & Flow-Sheet none

26. Road Conditions, Route Road from Rulley highway in to mine bad, rough & very hilly. Local miners & prospectors keep road up, no help from Co. or state. hauling is being done however.

27. Water Supply Three permanent water sources on property with running water in Wassau Gulch 7 months of the year.

28. Brief History Practically all of the work & exploration has been done by me, no production by anyone that I know of. I ship only the high grade ore that I come into while carrying on.

29. Special Problems, Reports Filed Road help is needed very badly. costs \$5.00 per ton from mine to P.R. if a road were maintained \$15.00 ore could be shipped at a profit.

30. Remarks I need more development mostly I want to sink 5' more & see what happens in the sulphide zone. I have a good portable compressor with some other equipment, but lack funds. Five to ten thousand dollars will be necessary to complete this work.

31. If property for sale: Price, terms and address to negotiate. will give reasonable interest in return for capital to go ahead & develop or sell outright. just address me Rulley, Ariz.

32. Signature J. Dawson Dale

33. Use additional sheets if necessary.

Last ore shipped from Monarch-

Check Assays Nos. 64010 & 64011 in Miller's Office

Should BE Approx. \$25.00 and \$120.00 per ton

\$25.00 Approx. 5 feet wide

\$120.00 Approx. 2 feet wide

These were cut in floor of Drift, at the bottom of shaft by Modesto M. Cordova, per Dad's instructions.

Signed

Vernon B. Dale

*(This is all that there is to this document).]*

Retyped by Tina Mendoza

April 4, 2002



# Miller's Assay Office

231 Grand Ave.

ASSAYERS

Nogales, Arizona

BUYER OF GOLD, SILVER, COPPER OR LEAD ORES

Established 1913

HUGO W. MILLER, Registered Engineer & Assayer, Owner

Date **February 11, 1937** Class **Gold-Silver** Lab. No. **64009.**

Settlement for **72 sacks of ore** Purchased from  
**Mr. F. C. Dale, Monarch Mine, Oro Blanco District,**  
**Santa Cruz County, Arizona**

**WEIGHTS:—**

Gross weight of shipment as delivered	5585 lbs.
Less tare or empty sacks	179 lbs.
Net weight of shipment	5406 lbs.
MOISTURE <b>18.385%</b> (minimum 1%)	994 lbs.
Net Dry Weight of Shipment	4412 lbs.
NET DRY TONS	<b>2.206</b>

**ASSAYS AND PAYMENTS (Prevailing Smelter Schedule on Carload Lots) Per Ton Ore**

Gold <b>2.54</b> ozs. @ \$ <b>32.30</b> per oz.	\$ <b>82.04</b>
Silver <b>84.0</b> ozs. less <b>0.77</b> c less <b>1.5</b> c	\$ <b>60.24</b>
Lead " less " @ 95% of " c less " c	\$
Copper " less " @ 95% of " c less " c	\$
<b>Total Payments Per Ton of Dry Ore</b>	<b>\$ 142.28</b>

**DEDUCTIONS:—**

Treatment or smelting charges	\$ <b>7.11</b>
Penalty on Sulphur in lead ore:— " @ per unit	\$
Penalty on Insolubles in lead ore:— " @ per unit	\$
Penalty on Zinc, Arsenic, Antimony, Bismuth, etc.:— " @ c per unit	\$
<b>Total deductions per ton dry ore</b>	<b>\$ 7.11</b>

**NET SMELTER VALUE PER TON ORE**

NET SMELTER VALUE PER TON ORE	\$ <b>135.17</b>
Less our 10% margin of purchase	\$ <b>13.52</b>
Value per ton, f. o. b. shipping point	\$ <b>121.65</b>
Less Freight to smelter	\$ <b>6.70</b>
<b>Net payment to shipper per ton dry ore</b>	<b>\$ 114.95</b>

**LIQUIDATION ON SHIPMENTS:—**

Total value of <b>2.206</b> tons @ <b>\$114.95</b> per ton	\$ <b>253.58</b>
Less our sampling charge \$ <b>2.50</b> and assaying \$ <b>2.50</b>	\$ <b>5.00</b>
<b>Balance due shipper</b>	<b>\$ 248.58</b>

Remarks:—

Assays 64010 & 11. \$2.00  
 Balance due. \$246.58





B 217/T @  
 ag = 2.54  
 au = 105

BEN P. JACOBS  
 Phone 1064.W  
 P. O. Box 1889  
 1950

**JACOBS ASSAY OFFICE**  
 REGISTERED ASSAYERS

Tucson, Arizona. April 14<sup>th</sup>

*Vernon B. Dale*

E. A. JACOBS, SR.  
 Phone 130-R  
 30 So. Main

Sample Submitted by Mr.

Sample Marked	OLD Ozs per ton Ore	GOLD Value per ton Ore	SILVER Ozs. per ton Ore	COPPER Per Cent Wet Assay	LEAD Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay
#1	3.05	106.75	3 5/10	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay
#2	1.22	42.70	35.14	From 30 gm of sample	From face of drill (North)	From 40 lb sample	From 1st level above chute	Short
<i>Monarch</i>								

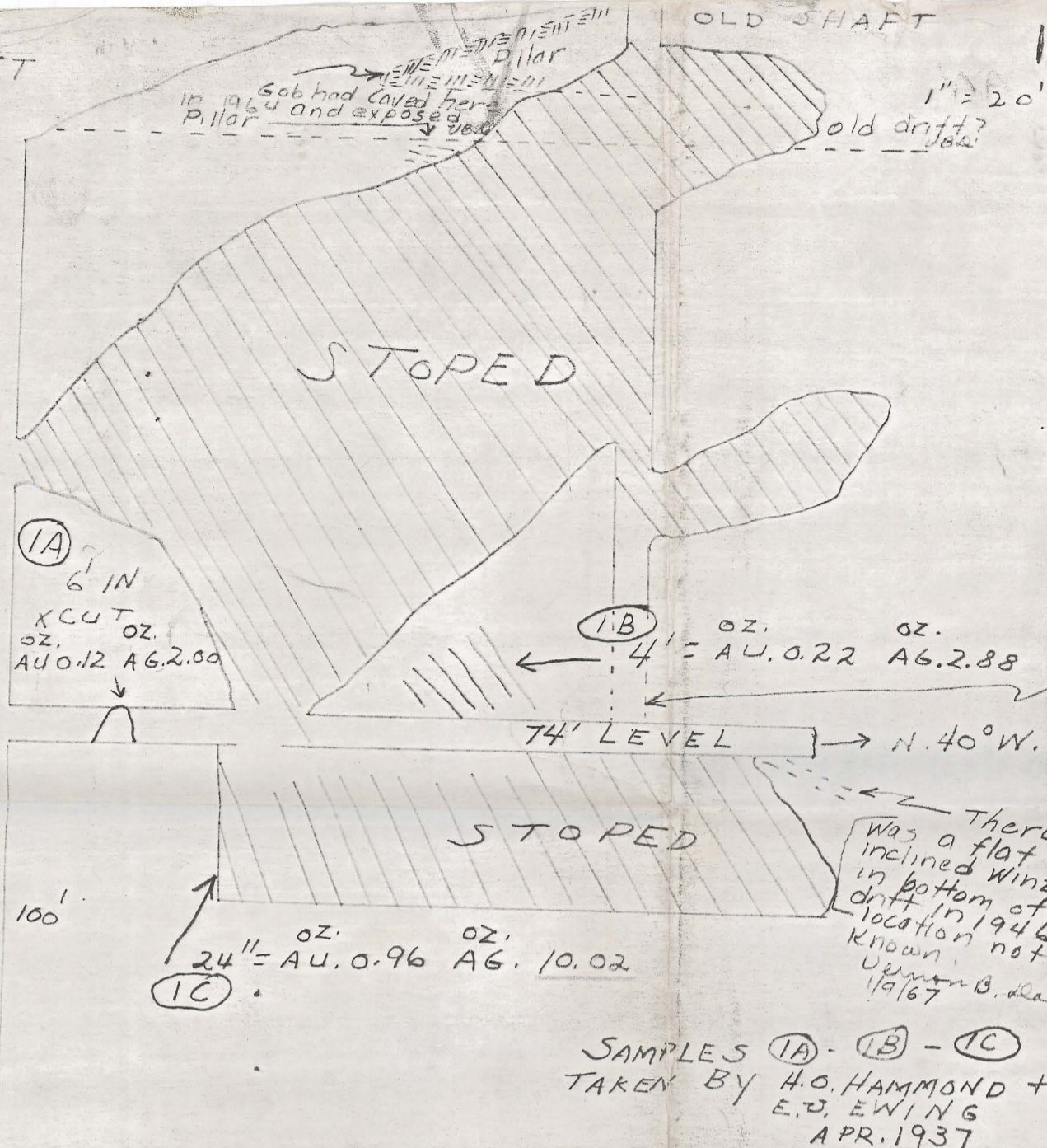
Gold Figure: 35.00  
 Charges \$ 3.00  
 Ben P. Jacobs



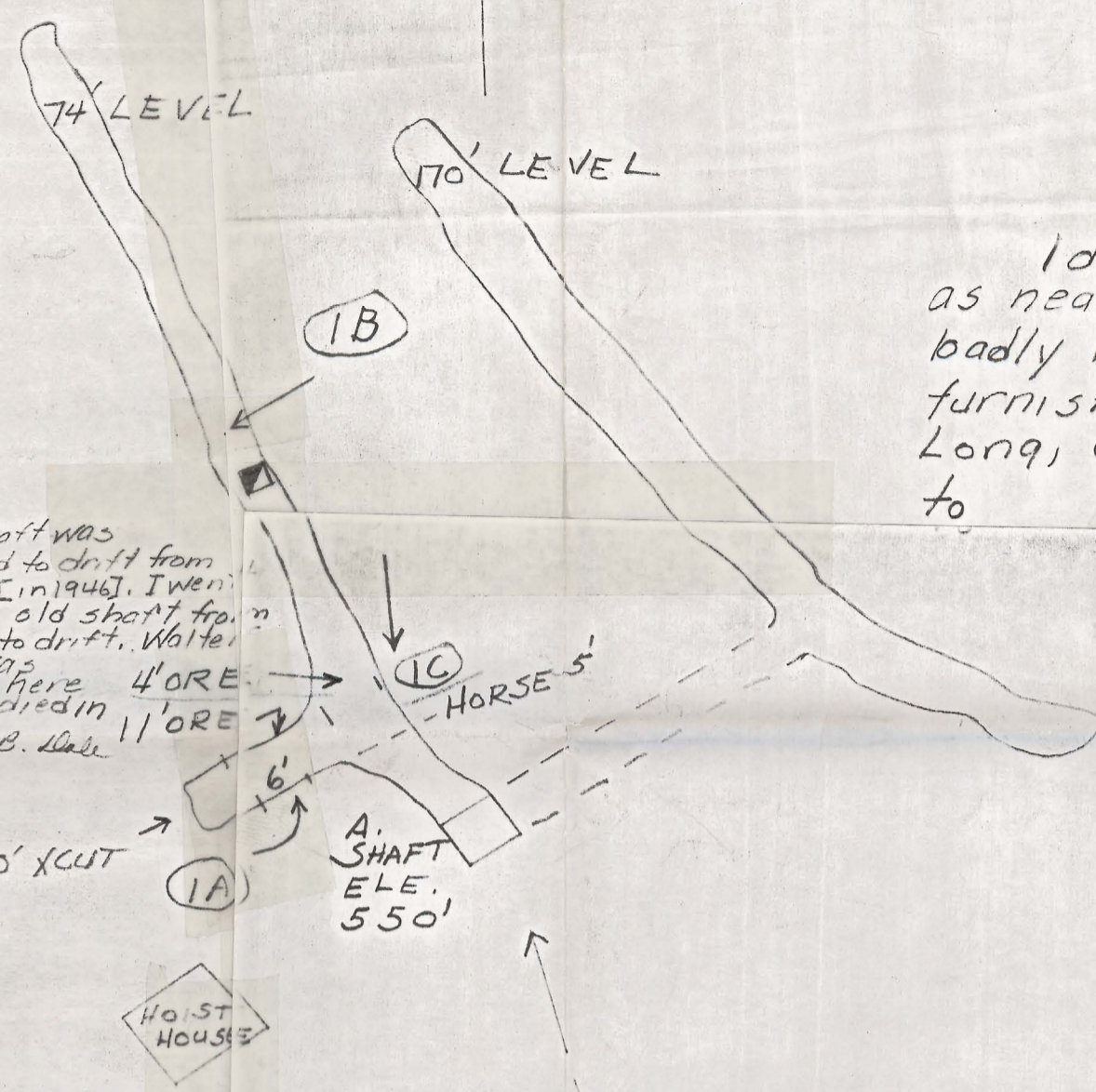
SECTION

A. SHAFT 170'

OLD SHAFT



3. 1" = 20'

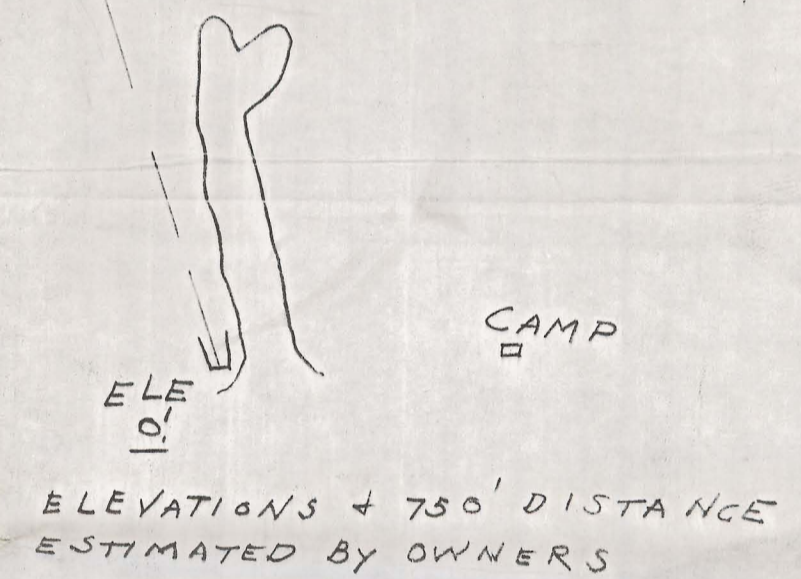


PLAN

1/19/67  
Identical tracing as near as possible from badly worn original furnished by Lawrence F. Long, owner from 10/1/50 to

Vernon B. Dale  
No Legend on map

4. 1" = 200'



LIST OF ORE SHIPMENTS FROM ORIGINAL DOCUMENTS IN OFFICE OF TOM K. RICHEY, TUCSON, ARIZONA

DATE	TONS	OZ. AU.	OZ. AG.	BUYER	CU	FE	LIME	SI.	AL
12/12/36	2.46	0.51	11.38	HUGO MILLER					
5/23/35	26.02	0.77	7.55	MAGMA SMLT.	0.59	5.7	0.8	50.0	16.0
3/20/35	2.81	1.45	13.44						
8/4/35	2.74	0.83	9.2						
8/8/35	2.80	0.82	9.5						
8/9/35	5.60	0.67	8.7						
8/10/35	2.85	0.89	8.9						
8/11/35	3.70	0.375	4.5						
8/13/35	4.44	0.345	4.4						
"	2.50	0.35	5.4						
"	4.75	0.20	3.8						
8/14/35	2.52	0.22	3.9						
8/15/35	2.778	0.53	4.3						
8/17/35	2.21	0.96	9.76						
8/18/35	2.22	0.86	9.7						
8/11/35	2.74	0.97	9.1						
8/1/35	5.60	0.72	6.6						
7/26/35	3.08	0.88	7.0						
7/27/35	3.12	0.34	5.9						
7/28/35	3.00	0.473	5.2						
7/30/35	3.00	0.513	6.7						