



CONTACT INFORMATION

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Arizona Department of Mines and Mineral Resources Mining Collection

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06/28/89

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: RED TOP

ALTERNATE NAMES:

PATENTED CLAIMS MS ~~2149~~ 2419
MINERAL MOUNTAIN CONSOLIDATED

PINAL COUNTY MILS NUMBER: 203B

LOCATION: TOWNSHIP 3 S RANGE 11 E SECTION 8 QUARTER NW
LATITUDE: N 33DEG 11MIN 25SEC LONGITUDE: W 111DEG 14MIN 46SEC
TOPO MAP NAME: MINERAL MTN - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

COPPER
SILVER
LEAD
GOLD LODE

BIBLIOGRAPHY:

BLM MINING DISTRICT SHEET 599
SEE: ADMMR MOON CLAIMS FILE
ADMMR RED TOP GROUP FILE
BLM UNPAT. MINING CLAIMS LEAD FILE 50211
CLAIMS EXTEND INTO SEC. 7

T. 2 S.
3674
T. 3 S.

FLORENCE 17 MI.

3750 III NE NE
(FLORENCE NE)

3671

3670

10'

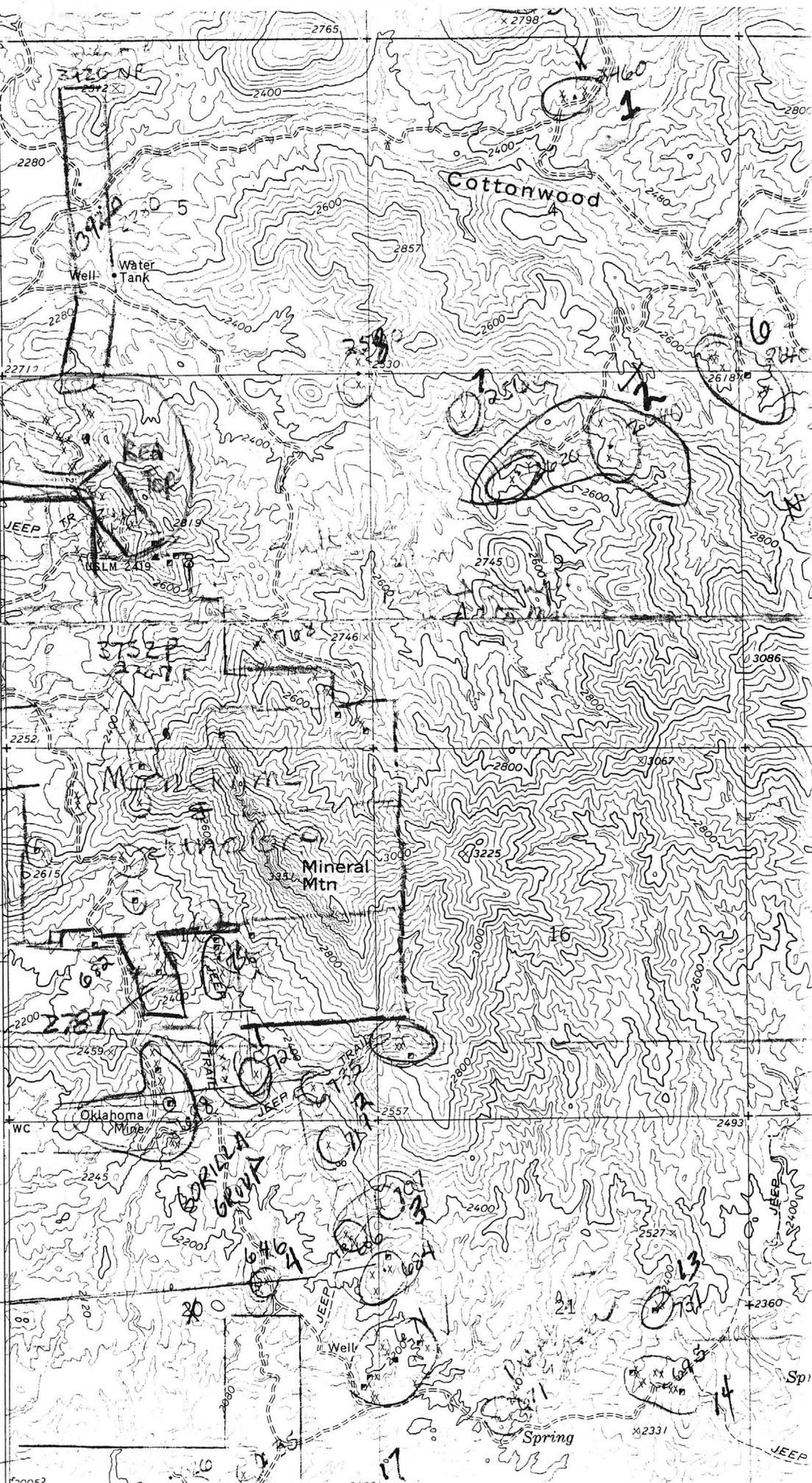
WC

3669

K

3668

Handwritten: 2000



T 3 S
R 18 E
Sec 8

MINERAL
MTN S.S.

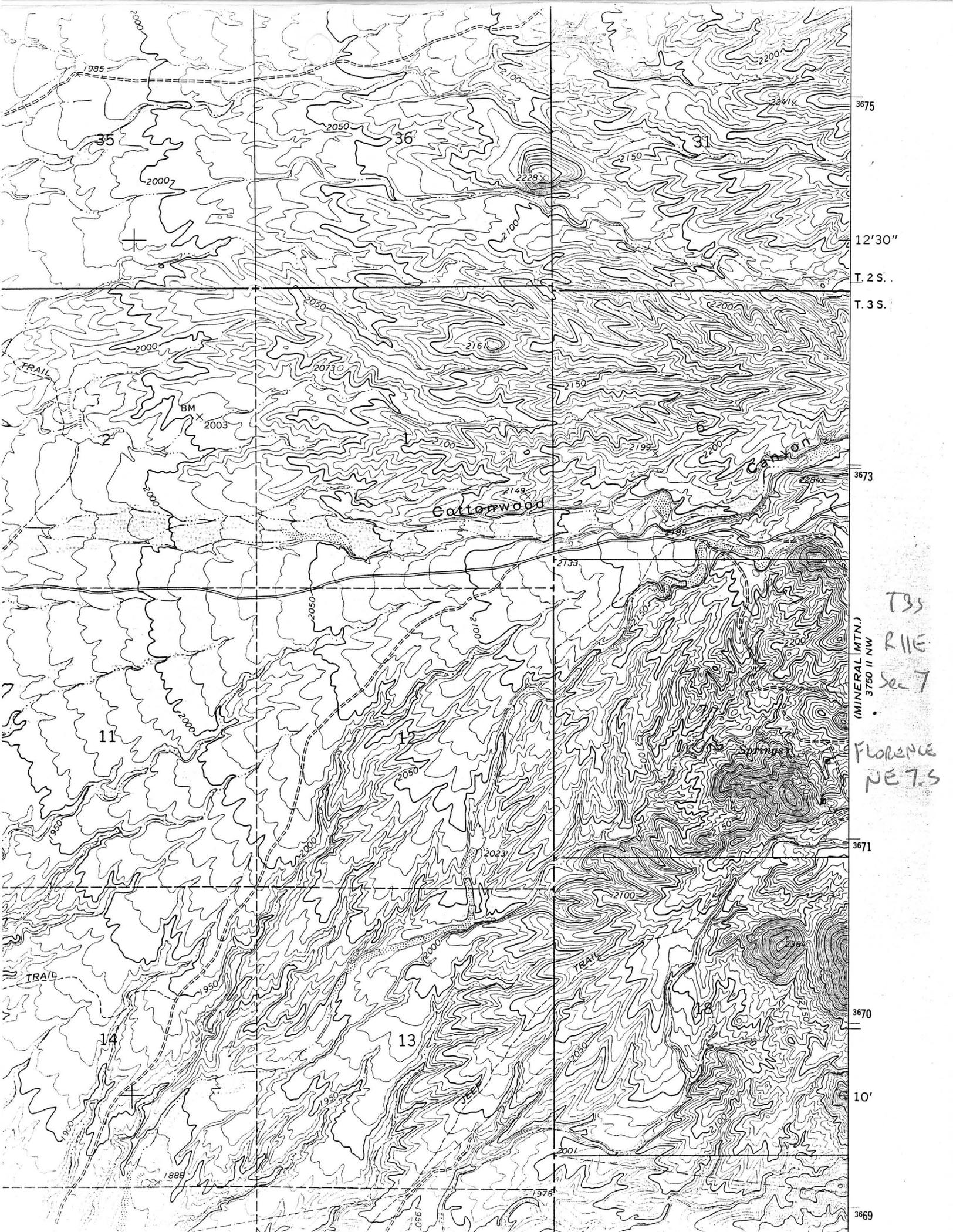
Handwritten: Inspection of water

Handwritten: K Camp

Handwritten: 2005

Handwritten: 2122

Handwritten: JEEP



3675

12'30"

T. 2 S.

T. 3 S.

3673

(MINERAL MTN.)
3750 ft NW

TBS
R11E
Sec 7
FLORENCE
NE 7.5

3671

3670

10'

3669

35

36

31

11

12

14

13

18

1888

1978

BM 2003

Cottonwood

Canyon

Spring

TRAIL

TRAIL

TRAIL

2000

1985

2000

2050

2100

2150

2200

2000

2050

2100

2150

2200

2000

2050

2100

2150

2200

2000

2050

2100

2150

2200

1950

2000

2100

2150

2200

1900

1950

2000

2100

2200

.8 De

Phoenix, Arizona,
Feb. 4, 1947.

CHAS. A. DIEHL

ARIZONA ASSAY OFFICE

Mail: P. O. Box 1148

815 North First Street

Phone 3-4001

CERTIFIES That samples submitted for assay by

Department of Mineral Resources

contains as follows per ton of 2000 lbs. Avair.

MARKS	SILVER		VALUE 90 1/2	GOLD		VALUE (OZ.) 35	TOTAL VALUE Of Gold & Silver	PERCENTAGE				REMARKS
	Ounces	Tenths		Ounces	Hndths			LEAD				
RED TOP												
from face Crosscut/	1.2		\$1.08	Trace					.42			
from face cross 8'	.6		\$.54	.01		\$.35			1.00			
ex	5.6		\$5.06	.01		\$.35			4.71			
orted Ore	10.60		\$9.59	.01		\$.35			33.70			

\$ 8.00

Assayer ARIZONA ASSAY OFFICE

.8 De

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	Ounces	Tenths		Ounces	Hndths			LEAD				
RED TOP												
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from face cross 8'	.6		\$.54	.01		\$.35			1.00			
ex	5.6		\$5.06	.01		\$.35			4.71			
orted Ore	10.60		\$9.59	.01		\$.35			33.70			

\$ 8.00

Assayer ARIZONA ASSAY OFFICE

9 De

Phoenix, Arizona,

CHAS. A. DIEHL

June 19, 1945.

ARIZONA ASSAY OFFICE

Mail: P. O. Box 1148

815 North First Street

Phone 3-4001

CERTIFIES That samples submitted for assay by DEPARTMENT OF MINERAL RESOURCES contain as follows per ton of 2000 lbs. Avoir.
per Mr. A. MacFarlane.

Sample	SILVER		VALUE (OZ.)	GOLD		VALUE (OZ.)	TOTAL VALUE Of Gold & Silver	PERCENTAGE		REMARKS
	Ounces	Tenths		Ounces	Handths			LEAD	COPPER	
Hagler.			712			\$35.00				
Stope	4.9		\$3.47	.03		\$1.05	\$4.52			
Upper Tunnel	2.6		\$1.84	.01		\$.35	\$2.19			
Lower Tunnel	9.1		\$6.46	.01		\$.35	\$6.81	.20		
Stope Tunnel	28.2		\$20.02	.01		\$.35	\$20.37	3.00		Stos. P ← This is fairly good on Hagler's mine

\$ 6.50

Assayer ARIZONA ASSAY OFFICE

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Red Top

Date Nov. 21, 1951

1. Mine: Mineral Mountain Consolidated
2. Location: Sec. 7 & 8 Twp. 3 S Range 11 E Nearest Town
Distance Direction Road Condition Fair
3. Mining District & County: Mineral Hill Pinal
4. Former Name of Mine:
5. Owner: Harry E. Cassavant 4-1306
Address: 2309 Westward Blvd., Phoenix, Ariz
6. Operator: None
Address:
7. Principal Minerals: Pb. Ag. Cu.
8. Number of Claims: 10 Lode Placer
Patented 1 Unpatented 9
9. Type of Surrounding Terrain: High Mountains
10. Geology & Mineralization: Schist intruded by diorite vein
mostly calcite 20' wide
Sakana & Cerrucite
11. Dimension & Value of Ore Body:
20' wide.

CASSAVANT
Mr. Harry E. Cassavant
2309 Westward Boulevard
Phoenix, Arizona
12-10-51
RED TOP (Pinal County)
MINE - MINERAL MOUNTAIN CONSOLIDATED, Mineral Hill Mining Dist.,
Pinal County. (10 claims)

12. Ore "Blocked Out" or "In Sight": *None blocked out.*

Ore Probable:

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts <i>2</i>		
Raises <i>2</i>	<i>100' ea.</i>	
Tunnels	<i>300'</i>	
Crosscuts		
Stopes	<i>alone</i>	

14. Water Supply: *can be developed*

15. Brief History: *Red Top. former owner A. Chigler*

16. Signature:

17. If Property for Sale, List Approximate Price and Terms: *prefer lease. would sell, negotiate.*

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine RED TOP GROUP

Date 12-30-52

District Mineral Hill, Pinal county

Engineer A.L.Flagg

Subject:

One full sizes patented claim and fraction. U.S.Min.Survey 2149

Located in Section 8, T 3 S, R 1 E.

Property owned by H.C.Cassavant, 2309 West Buckeye Road, Phoenix, purchased from A.C.Haigler.

Associated with Cassavant is E.N.Garlock, Apache Junction, Arizona.

Present operations consist of road rebuilding beginning at a point about 4 mi south of Florence Junction on Hwy 80-89 continuing about 7 mi easterly to mine.

Principal adit has been cleaned out an some sampling done

Loading chute built at portal of adit.

A 50-lb sample sent to A.S.&R. smelter at El Paso indicates a possible \$8.30 net over RR freight and smelting charges.

Plan to make a test car-load shipment as soon as road completed.

Recommended careful sampling of available workings before setting up any definite plan of operation.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine RED TOP GROUP

Date 12-30-52

District Mineral Hill, Pinal county

Engineer A.L.Flagg

Subject:

One full sizes patented claim and fraction. U.S.Min.Survey 2149

Located in Section 8, T 3 S, R 11 E.

Property owned by H.C.Cassavant, 2309 West Buckeye Road, Phoenix, purchased from A.C.Haigler.

Associated with Cassavant is E.N.Garlock, Apache Junction, Arizona.

Present operations consist of road rebuilding beginning at a point about 4 mi south of Florence Junction on Hwy 80-89 continuing about 7 mi easterly to mine.

Principal adit has been cleaned out an some sampling done

Loading chute built at portal of adit.

A 50-lb sample sent to A.S.&R. smelter at El Paso indicates a possible \$8.80 net over RR freight and smelting charges.

Plan to make a test car-load shipment as soon as road completed.

Recommended careful sampling of available workings before setting up any definite plan of operation.

*File Lead Top Mine
Pinal Co*

March 11, 1947

Mr. A. C. Haigler
1211 North 1st
Phoenix, Arizona

Dear Chet:

Per our conversation, I recently visited your Red Top mining property on Mineral Mountain in Pinal County.

The formation is a schist with intrusions of diorite and strong, wide calcitic "veins", often over 20 feet wide, carrying principally lead and silver. These "veins" were probably originally limestone beds that have been tilted to near vertical and highly altered and mineralized.

In the shallow work done on the Red Top the lead is in oxidized form, but deeper work at other places in the vein system shows galena, and same would no doubt be encountered at the Red Top at reasonable but unknown depth.

Especially appealing is the size and strength of the veins, the fact that lead values are good and well dissaminated throughout the vein material, and the property excellently situated for economic operation.

I can recommend the property for a more thorough examination with view to development by drilling or underground work.

An added factor is that there are several other similar properties in the district, and some joint plan for the beneficiation of the ores would seem feasible and economical.

Yours very truly,

Chas. H. Dunning
Director

CHD:mh

Mine Development: The present visible mineralization is a sound basis for the extending of the northeast heading of the tunnel and for the deepening of the 50' winze and drifting along the vein at a depth of 100' below the tunnel floor. A few hundred linear feet of exploration on the vein as here proposed may make a profitable mine.

The immediate vicinity of the Red Top is a proven mining belt wherein the vein structure and the ores therein have reached a depth of nearly 400' in both the Reymert and Bell-Martinez mines now in operation.

Topography: Of the terrain within the Red Top claim and ground to the southwest over which road must be made for $3/4$ of a mile to reach the Red Top tunnel portal may be stated as rolling and gradual.

Road: The required road should be made in 3 or 4 days with use of Bulldozer which, together with a small ore bin, will cost in all about \$500.00.

From the mine to Florence rail station or the Magma Smelter the truck transportation of the Red Top ores would be over favorable grades and moderate costs.

Materials: An ore car and 400 feet of mine tracking, together with ties and mine ore chute, planking and timber, would equip the surface for ore shipments. The ore and vein matter is hard but fractured. A small compressor and mountable Jackhammer and stoper is essential.

Geology: Of the Red Top and vicinity the following formations were observed: Pre-Cambrian Pinal schists related to Cambrian conglomerates and shale all intruded by extensive sills of diabase.

Cambrian quartzites and limestones appear to be the casing of the veins, faulted frequently by tertiary dacite flows, all here in tilted positions of 40° to 80° approximately.

The Red Top fracture cuts through the adjoining formations on a north to northeast strike and at the present tunnel heading apparently another vein junctions with the tunnel fissure.

The property as now in prospect stage has merit and justifies further developments.

DEPARTMENT OF MINERAL RESOURCES

Service Report

Date 12-23-52

Nature of Call _____

Place Red Top Group, Mineral Hill

Name mining district, Pinal County

Address H.C. Cassavant, 2309 W. Buckeye Rd.
U.S. Min. Survey 2149.

Subject Review of present condition
of work and proposed plans

Action Recommend sampling of all
workings and exploration by
diamond drilling, statement
prepared for file.

Signed A. L. Stagg

Use other side if necessary

DEPARTMENT OF MINERAL RESOURCES

News Items

Date 1-26-53

Mine Red Top

Location Mineral Hill, Pinal County

Owner H.C. Cassavant, E.N. Sarlock

Address _____

Operating Co. _____

Address _____

Pres. _____

Genl. Mgr. _____

Mine Supt. _____

Mill Supt. _____

Principal Metals _____

Men Employed _____

Production Rate _____

Mill, Type & Capacity _____

Power, Amt. & Type _____

Signed A. L. Stagg
(Over)

The Red Top mine in the Mineral

MIN WORLD 5/1963

DEPARTMENT OF MINERAL RESOURCES

Service Report

Date 12-23-52

Nature of Call

Place Red Top Group, Mineral Hill

Name mining district, Civil County.

Address H.C. Cassavant, 2309 W. Buckeye St.

U.S. Min. Survey 2149.

Subject Review of present condition of rock and proposed plans

Action Recommend sampling of all workings and exploration by diamond drilling. Statement prepared for file.

Signed W. T. Slagg

Use other side if necessary

Misc. Notes
Inspected 150 tons load on ore
loading dock storage station. Saw
instructions for sampling pit.
Rais out team for sampling in the
mine before any more is broken.
Sampling method has been
recommended previously. Operators
have very little knowledge & the
value in the vein. Sampling is a
matter of vital importance.

Present Operations
New Work Planned
Date 1-23-53

No. 218 De

Phoenix, Arizona,
Feb. 4, 1947.

CHAS. A. DIEHL

ARIZONA ASSAY OFFICE

Mail: P. O. Box 1148

815 North First Street

Phone 3-4001

THIS CERTIFIES That samples submitted for assay by

Department of Mineral Resources.

contain as follows per ton of 2000 lbs.

No.	MARKS	SILVER		VALUE	GOLD		VALUE	TOTAL VALUE Of Gold & Silver	%	PERCENTAGE				RE
		Ounces	Tenths	(92.5)	Ounces	Finths	(OZ.)			LEAD				
	RED TOP			90.20			35.							
	210' from face													
	1-20' Crosscut/	1.2		\$1.08	Trace					.42				
	150' from face													
	2-across 8'	.6		\$.54	.01		\$.35			1.00				
	3-Apex	5.6		\$5.06	.01		\$.35			4.71				
	4-Sorted Ore	10.6		\$9.59	.01		\$.35			33.70				

Charges \$ 8.00

Assayer ARIZONA ASSAY OFFICE



No. 218 De

Phoenix, Arizona,
Feb. 4, 1947.

CHAS. A. DIEHL

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		Ounces	Tenths	(\$ ¹ / ₁₀₀)	Ounces	Finths	(\$ ¹ / ₁₀₀)		LEAD				
	RED TOP			90.24			35.						
	210' from face												
	1-20' Crosscut/	1.2		\$1.08	Trace					.42			
	150' from face												
	2-across 8'	.6		\$.54	.01		\$.35			1.00			
	3-Apex	5.6		\$5.06	.01		\$.35			4.71			
	4-Sorted Ore	10.60		\$9.59	.01		\$.35			33.70			

Charges \$ 8.00

Assayer ARIZONA ASSAY OFFICE



Handwritten notes:
AC
Hayden
Red Top
Trace

No. 179 De

Phoenix, Arizona,

CHAS. A. DIEHL

June 19, 1945.

ARIZONA ASSAY OFFICE

Mail: P. O. Box 1148

815 North First Street

Phone 3-4001

THIS CERTIFIES That samples submitted for assay by DEPARTMENT OF MINERAL RESOURCES contain as follows per ton of 2000 lbs.
per Mr. A. MacFarlane.

A. C. MacFarlane ^{Haskler} .	SILVER		VALUE	GOLD		VALUE	TOTAL VALUE Of Gold & Silver	PERCENTAGE		RE
	Ounces	Tenths	(oz.)	Ounces	Handths	(oz.)		%	%	
			712			\$35.00		LEAD	COPPER	
Apex Stope	4.9		\$3.47	.03		\$1.05	\$4.52			
Dump Upper Tunnel	2.6		\$1.84	.01		\$.35	\$2.19			
Middle Tunnel	9.1		\$6.46	.01		\$.35	\$6.81	.20		
Lower Tunnel	28.2		\$20.02	.01		\$.35	\$20.37	3.00		

*Chas. P.
 This is fairly
 on Haskler's*

Charges \$ 6.50

Assayer ARIZONA ASSAY OFFICE



March 11, 1947

Mr. A. C. Haigler
1211 North 1st
Phoenix, Arizona

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The formation is a schist with intrusions of diorite and strong, wide calcitic "veins", often over 20 feet wide, carrying principally lead and silver. These "veins" were probably originally limestone beds that have been tilted to near vertical and highly altered and mineralized.

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I can recommend the property for a more thorough examination with view to development by drilling or underground work.

An added factor is that there are several other similar properties in the district, and some joint plan for the beneficiation of the ores would seem feasible and economical.

Yours very truly,

Chas. H. Dunning
Director

CHD:mh

*John Paul
Pinal Co.
Zinn*

June 18, 1945

Mine Development: The present visible mineralization is a sound basis for the extending of the northeast heading of the tunnel and for the deepening of the 50' winze and drifting along the vein at a depth of 100' below the tunnel floor. A few hundred linear feet of exploration on the vein as here proposed may make a profitable mine.

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STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine RED TOP GROUP

Date 12-30-52

District Mineral Hill, Pinal county

Engineer A.L.Flagg

Subject:

One full sizes patented claim and fraction. U.S.Min.Survey 2149

Located in Section 8, T 3 S, R 11 E.

Property owned by H.C.Cassavant, 2309 West Buckeye Road, Phoenix, purchased from A.C.Haigler.

Associated with Cassavant is E.N.Garlock, Apache Junction, Arizona.

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DEPARTMENT OF MINERAL RESOURCES

Service Report

Date 12-23-52

Nature of Call _____

Place Red Top Group, Mineral Hill

Name mining district, Pinal County

Address H.C. Cassarant, 2309 W. Buckeye St.
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Subject Review of present conditions
of work and proposed plans

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Signed A. L. Flagg

Use other side if necessary



DEPARTMENT OF MINERAL RESOURCES

News Items

Date 1-26-53

Mine Red Top

Location Mineral Hill, Pinal County

Owner H.C. Cassarant, E.N. Sarlock

Address _____

Operating Co. _____

Address _____

Pres. _____

Genl. Mgr. _____

Mine Supt. _____

Mill Supt. _____

Principal Metals _____

Men Employed _____

Production Rate _____

Mill, Type & Capacity _____

Power, Amt. & Type _____

Signed A. L. Flagg
(Over)

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Red Top

Date Nov. 21, 1951

1. Mine: Mineral Mountain Consolidated
2. Location: Sec. 7 & 8 Twp. 3 S Range 11 E Nearest Town.....
Distance..... Direction..... Road Condition Fair
3. Mining District & County: Mineral Hill Pinal
4. Former Name of Mine:.....
5. Owner: Harry E. Cassavant 4-1306
Address: 2309 Westward Blvd, Phoenix, Ariz
6. Operator: None
Address:.....
7. Principal Minerals: Pb. Ag. Cu.
8. Number of Claims: 10 Lode X Placer.....
Patented 1 Unpatented 9
9. Type of Surrounding Terrain: High Mountains
10. Geology & Mineralization: Schist intruded by diorite. vein mostly calcite. 20' wide
Sakno & Cerrucite
11. Dimension & Value of Ore Body:.....
20' wide.

CASSAVANT

Mr. Harry E. Cassavant
2309 Westward Boulevard
Phoenix, Arizona

12-10-51

RED TOP (Pinal County)

MINE - MINERAL MOUNTAIN CONSOLIDATED, Mineral Hill Mining Dist.,
Pinal County. (10 claims)

12. Ore "Blocked Out" or "In Sight": *None blocked out.*

Ore Probable:

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts..... <i>2</i>		
Raises..... <i>2</i>	<i>100' ea</i>	
Tunnels.....	<i>300'</i>	
Crosscuts.....		
Stopes.....	<i>slope</i>	

14. Water Supply: *can be developed*

15. Brief History: *Red Top, former owner A. Chigler*

16. Signature:

17. If Property for Sale, List Approximate Price and Terms: *Prefer lease*

would sell, negotiate.

Nov. 3, 1992

I Carol Ann Cassavant,
and for my Brother Jerry J. +
Karen Cassavant (Wife) would
like to sell the Patent Property
of Red Top (see attached Map.)
of 15945 E. Lonesome Ln.
Chandler, Hts, Ariz.
Phone - 988-3240 -

My address:
Carol Ann Cassavant Phone (H.) 934-6181
10030 N. 43RD. AVE. #2095 Phone (sec. no.)
GLENDALE, AZ. 85302 Br. Joseph 242-1633

(I am Sister of Jerry J. Cassavant)

RED TOP MINING
1 patented 10 claims

NW 1/4, T. 3S., R. 11E.
Mineral Creek District
Mineral Hill District
Sections 5, 6, 7, 8.

DNT 769 PAGE 786

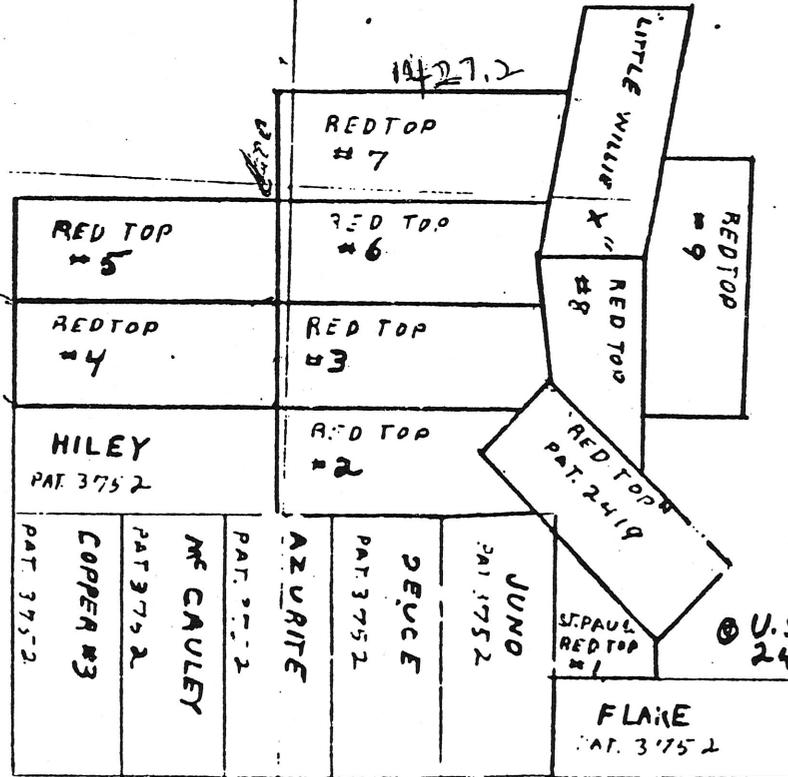
SEC. 6

SEC. 5



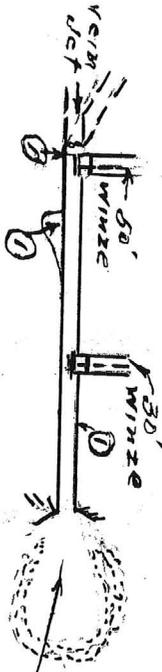
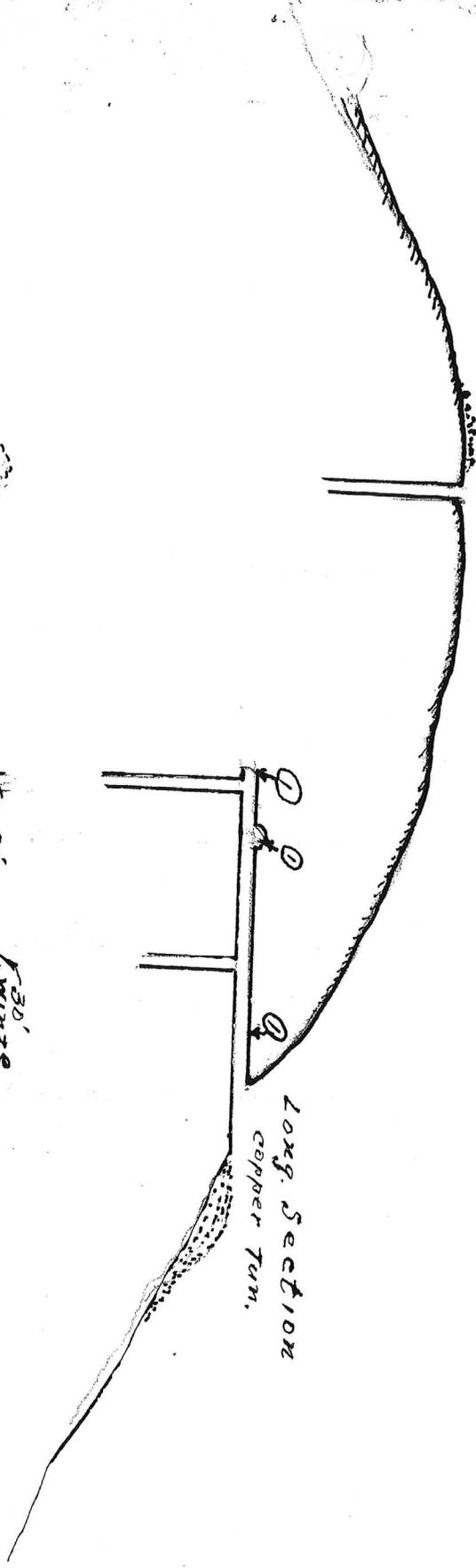
SEC. 7

SEC. 8



RECEIVED
MINERAL HILL DISTRICT OFFICE
ARIZONA DEPARTMENT OF MINES

MAY 21 2 41 PM '91



Long Section
Copper Tan.

PLAN Sketch

RED TOP MINE Patented

Mineral Mountain Dist.

10 miles Easterly of

Florence det Pinal County

ARIZ. Approx. Scale 1/4 to 50'

ASSAY on 0.01 ag 28.2 cu 3.0%

Property of H.C. Haigler

Phoenix, ARIZ.

Field Notes R. Magarlane

Department of Mineral Resources

From June 18th 1945

Nov. 3, 1992

I Carol Ann Cassavant,
and for my Brother Jerry J. &
Karen Cassavant (Wife) would
like to sell the Patent Property
of Red Top (see attached Map.)
of 15945 E. Lonesome Ln.
Chandler, Htes. Ariz.
Phone - 988-3240 -

My address:
Carol Ann Cassavant Phone (H.) 934-6181
10030 N. 43RD. AVE. #2095 Phone (see no.)
GLENDALE, AZ. 85302 242-1633
Bro. Joseph

(I am Sister of Jerry J. Cassavant)

RED TOP MINING
1 patented 10 claims

NW 1/4, T. 3S., R. 11E.
Mineral Creek District
Mineral Hill District
Sections 5, 6, 7, 8.

DNT 769 PAGE 786

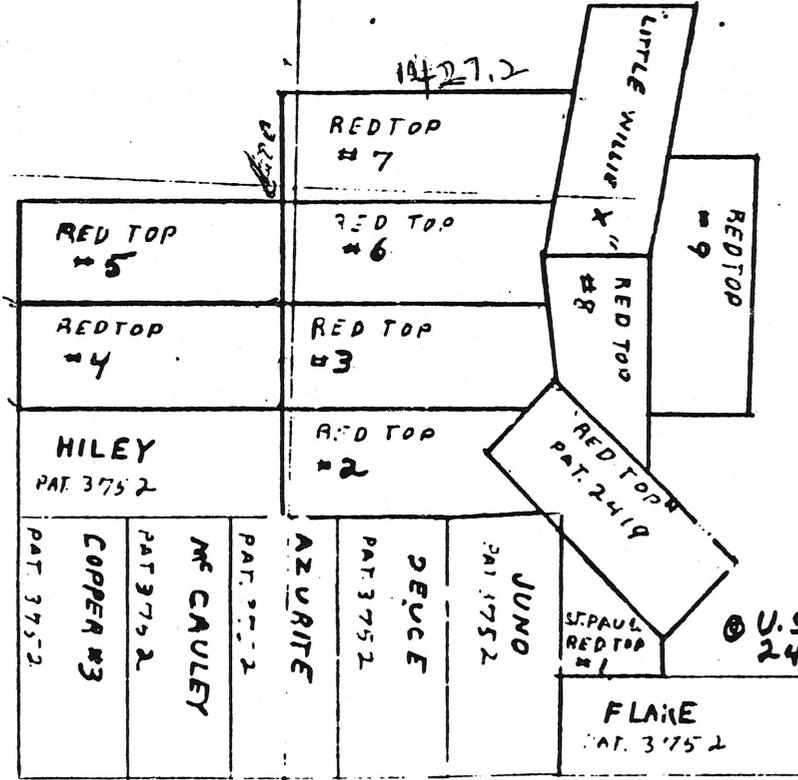
SEC. 6

SEC. 5



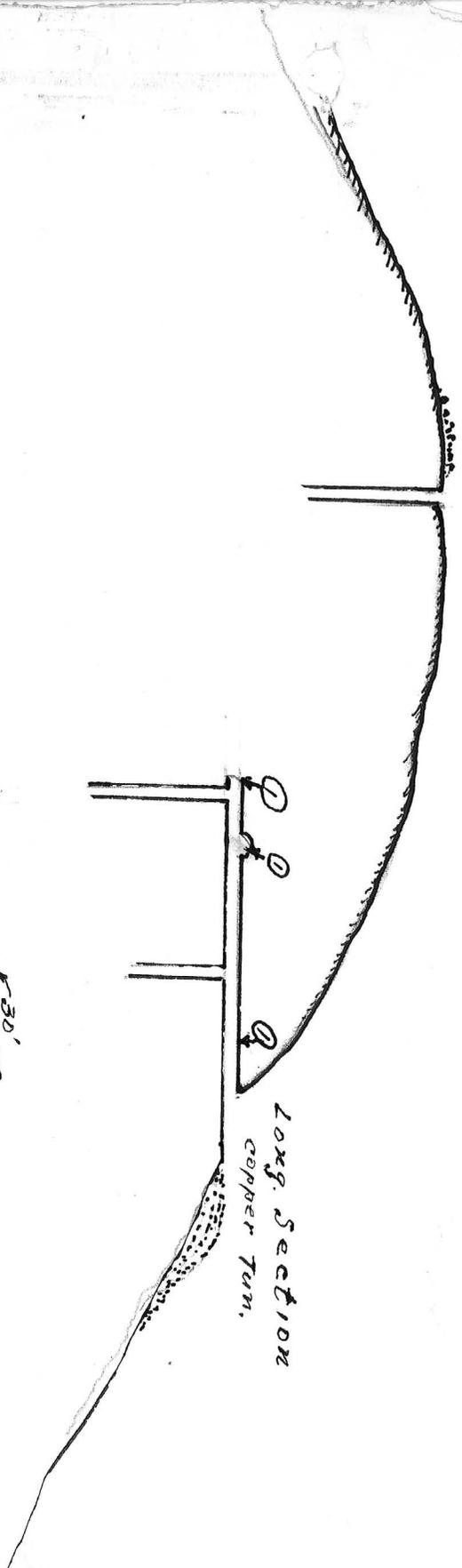
SEC. 7

SEC. 8

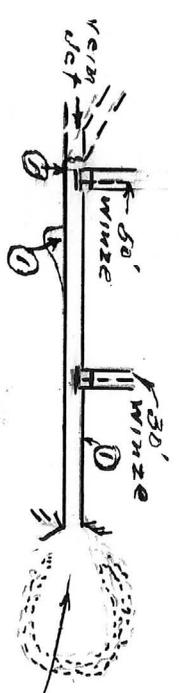


RECEIVED
MINERAL HILL DISTRICT OFFICE
ARIZONA
MAY 21 2 41 PM '91

© U.S.L.M.
2419



Long Section
copper Tum.



PLAN SKETCH

RED TOP MINE Patented

Mineral Mountain Dist.

10 miles Easterly of

Florence det Pinal County

ARIZ. Approx Scale 1/2" to 50'

Assay on 0.01 sq 28.2 Cu 3.0%

Property of A.C. Haigler

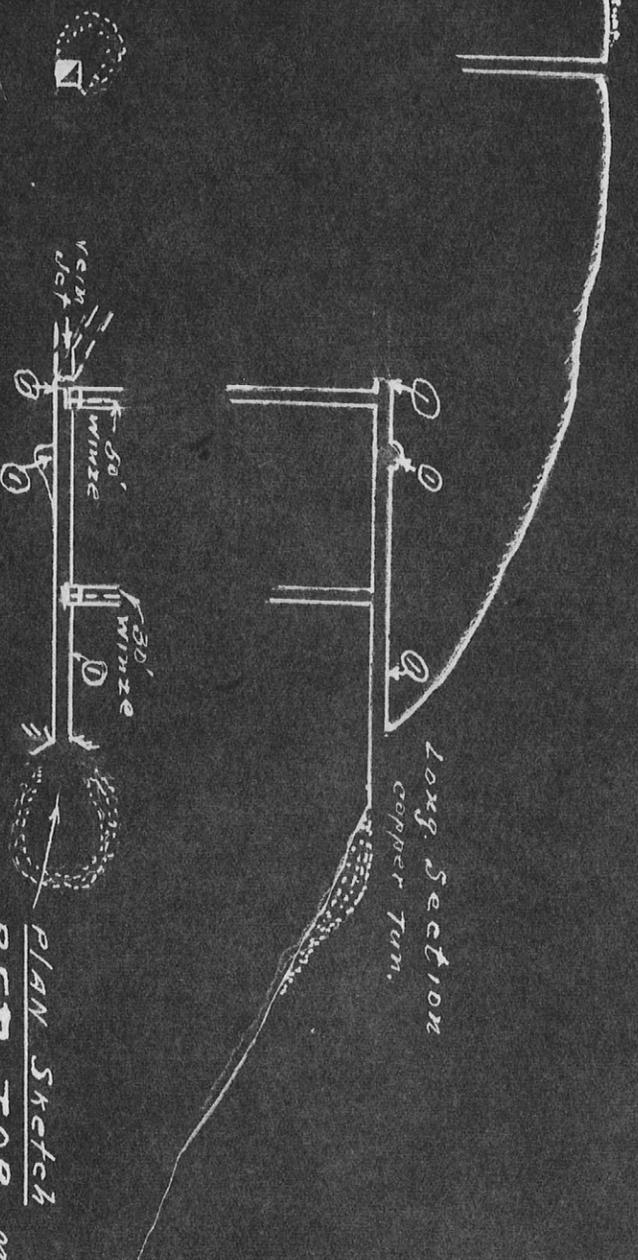
Phoenix, ARIZ.

Field Notes R. MacFarlane

Department of Mineral Resources

From June 18th 1945

N.



PLAN Sketch

RED TOP MINE Patent

Mineral Mountain Dist.

10 miles Easterly of

Florence det. Pinal County

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