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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4392

ARIZONA

Land-District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Clara H. Robertson, 111 Sutter St., San Francisco, California

William H. MacKay, Attorney for Claimant

Known As The

PINNACLE NO. 1 and PINNACLE NO. 2 LODE CLAIMS

Fresnal

Mining District,

Pima

County,

Arizona

Section s 33 and 4 (Approx) Townships 18 & 19 S., , Range 7 E., Unsurveyed

Surveyed under order dated July 8, 19 54.

by T. N. Stevens

Mineral Surveyor.

Claim located July 16, 19 54.

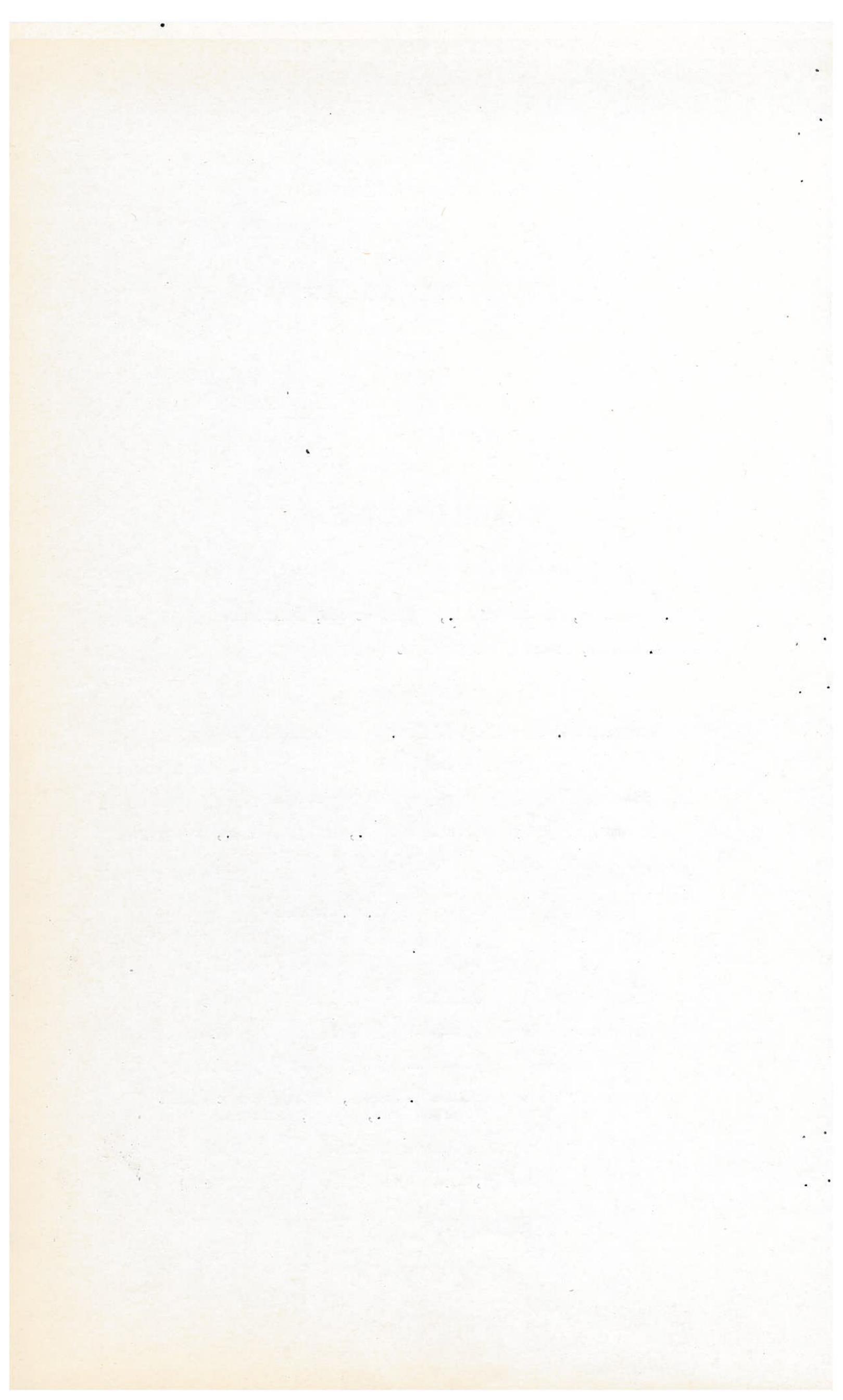
Survey commenced August 17, 19 54.

Survey completed August 21, 19 54.

Address of claimant William H. MacKay, Attorney for claimant  
878 Grant Ave., Novato, California

DATES OF AMENDED LOCATIONS

May 18, 1954



## Survey No. 4392

This survey was made with a C.L. Berger & Son transit with horizontal limb 6 1/4 ins. diam. with vertical circle 5 ins. diam., having two opposite verniers; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation.

Tuesday, August 17, 1954, at Cor. No. 1, Pinnacle No. 1 lode, in latitude 31° 48' 30" N. and longitude 111° 37' 30" W., I made a series of altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, bisecting the sun and reading the horizontal angle SW. to the sun.

Mean time of observation, 105th meridian, standard time 2h 53m P.M.

Declination of sun at mean time of observation 13° 22' 46"

Mean observed vertical angle to sun's center 51° 18' 20"

Mean horizontal angle from reference point 36° 36'

True bearing of reference point N. 73° 12' W.

The lines were measured with a Keuffel & Esser steel tape 300 feet in length, the first foot graduated to tenths and hundredths; and a 100 ft. Lufkin steel tape, graduated to feet, tenths and hundredths; both tapes were compared with a standard and were correct at the time of the survey.

All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 14° E.

Feet

## PINNACLE NO. 1 lode

At Cor. No. 1 of the Pinnacle No. 1 lode, identical with Cor. No. 2 Pinnacle No. 2 lode of this survey.

Set an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top with leaden cap mkd. 1 P-1-2-P 2-4392, from which

U.S.L.M. No. 4063 bears N. 21° 19' W., 4978.54 ft. dist.; an iron pipe, 4 ins. diam. by 14 ft. high, set in mound of stone 6 ft. base by 4 1/2 ft. high, stamped U.S.L.M. No. 4063 F.M.D.

No other bearing objects are available.

Thence S. 73° 12' E.

300.00 Lode line; discovery point bears S. 16° 48' W., 1195. ft. dist.

Set an iron pipe, 2 ins. diam., 3 ft. high, firmly in the ground and surrounded by a mound of stone, mkd. N.E.C. P. 1.

580.00 Wash, 4 ft. wide, course northerly.

600.00 Cor. No. 2.

Set an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top with leaden cap mkd. 2 P 1-4392.

No bearing objects are available.

Thence S. 16° 48' W.

1200.00 Summit of high ridge bears easterly and westerly.

Survey No. 1392

This survey was made with a C.I. Berger's 500 transit with horizon level and 1 1/4 in. diam. with vertical circle 2 in. diam., having two opposite verniers; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observations:

Monday, August 17, 1924, at Cor. No. 1, Pinnacle No. 1 lode, in latitude 37° 51' 30" N. and longitude 111° 37' 30" W., I made a series of altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, bisecting the sun and reading the horizontal angle off to the sun.

Mean time of observation, 10:50 AM, standard time 8:53 AM P.M.  
 Declination of sun at mean time of observation 13° 21' 48"  
 Mean observed vertical angle to sun's center 1° 18' 20"  
 Mean horizontal angle from reference point 6° 50'  
 True bearing of reference point N. 73° 12' W.

The lines were measured with a Keuffel & Esser steel tape 300 feet in length, the first foot graduated to tenths and hundredths; and a 100 ft. lamin steel tape, graduated to feet, tenths and hundredths; both tapes were compared with a standard and were correct at the time of the survey.

All lines and connections of this survey were run by direct methods. The magnetic declination observed at each corner of the survey gave a uniform value of 14' E.

Feet	Pinnacle No. 1 lode
1500.00	Summit of high ridge bears easterly and westerly. Thence S. 15° E. 1/2 N.
600.00	Cor. No. 2. Set an iron post, 4 ft. long, 2 in. diam., 18 in. in the ground surrounded by a mound of stone to top with leaden cap and 2 ft. 1-1/2
580.00	Wash, 4 ft. wide, course northerly. Set an iron pipe, 2 in. diam., 3 ft. high, firmly in the ground and surrounded by a mound of stone, wkd. 10.0. 7. 1.
300.00	Lode line: discovery point bears S. 10° 48' W., 1125. ft. dist. Thence S. 73° 12' E.
	No other bearing objects are available.
	6 ft. base by 4 ft. high, stamped C.I.M. No. 4003 R.M.D. from pipe, 4 in. diam. by 14 in. high, set in mound of stone; an U.S.L.M. No. 4003 bears N. 21° 19' W., 4078.04 ft. dist.; an 2-8-1392, from which
	Set an iron post, 4 ft. long, 2 in. diam., 18 in. in the ground surrounded by a mound of stone to top with leaden cap and 1 ft. 1-1/2
	Pinnacle No. 2 lode of this survey. At Cor. No. 1 of the Pinnacle No. 1 lode, identical with Cor. No. 1

## Survey No. 4392

Feet	
1425.00	Leave cliff 75 ft. high, descend.
1500.00	Cor. No. 3
	Set an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 3 P1-4392.
	No bearing objects are available.
	Thence N. 73° 12' W.
300.00	Lode line; discovery point bears N. 16° 48' E., 305 ft. dist.
	Set an iron post, 4 ft. long, 2 ins. diam., firmly in the ground, surrounded by a mound of stone, mkd. S.E.C. P 1.
380.00	Summit of rocky peak.
600.00	Cor. No. 4, identical with Cor. No. 3 Pinnacle No. 2 lode of this survey.
	Set an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 4 P 1 3 P 2-4392.
	No bearing objects are available.
	Thence N. 16° 48' E.
1500.00	To Cor. No. 1 and place of beginning.
PINNACLE NO. 2 lode.	
At Cor. No. 1 of the Pinnacle No. 2 lode.	
Set an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 2 P 2-4392; from which	
U.S.L.M. No. 4063 bears N. 15° 28' W., 4632.27 ft. dist.	
A cross (X) chiseled on the SW. face of rock outcrop, 20 ft. high, 150 ft. long by 40 ft. high, bears S. 80° E., 7 ft. dist., mkd. 1 P 2-4392 B.R.	
Thence S. 73° 12' E.	
160.00	Wash, 5 ft. wide, bears northeasterly.
300.00	Lode line; discovery point bears S. 16° 48' W., 642 ft. dist.
600.00	Cor. No. 2, identical with Cor. No. 1 Pinnacle No. 1 lode of this survey, heretofore described.
Thence S. 16° 48' W.	
1500.00	Cor. No. 3, identical with Cor. No. 4 Pinnacle No. 1 lode of this survey, heretofore described.
Thence N. 73° 12' W.	

Survey No. 4332

<p>Get an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leader cap mkt. 2 P 1-4332.</p>	<p>no bearing objects are available.</p> <p>Thence N. 72° E. 12'.</p>	<p>1500.00</p> <p>1425.00</p> <p>1500.00</p>
<p>Get an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone, mkt. 2 P 1-4332.</p>	<p>no bearing objects are available.</p> <p>Thence N. 72° E. 12'.</p>	<p>300.00</p> <p>380.00</p> <p>500.00</p>
<p>Get an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leader cap mkt. 2 P 1-4332.</p>	<p>no bearing objects are available.</p> <p>Thence N. 72° E. 12'.</p>	<p>1500.00</p>
<p>At cor. No. 1 of the triangle no. 2 lode.</p> <p>Get an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leader cap mkt. 2 P 2-4332; from which</p>	<p>triangle no. 2 lode.</p>	<p>1500.00</p>
<p>A cross (X) chalked on the SW face of rock on crop, 20 ft. high, 100 ft. long by 40 ft. high, bears S. 80° E., 1 ft. dist. mkt. 1 P 1-4332 B.R.</p>	<p>Thence S. 72° E. 12'.</p>	<p>100.00</p> <p>300.00</p> <p>500.00</p>
<p>Get an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leader cap mkt. 2 P 1-4332.</p>	<p>Thence S. 72° E. 12'.</p>	<p>1500.00</p>
<p>Get an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leader cap mkt. 2 P 1-4332.</p>	<p>Thence N. 72° E. 12'.</p>	<p>1500.00</p>

## Survey No. 4392

Feet	
300.00	Lode line; discovery point bears N. 16° 48' E., 858.0 ft. dist.
600.00	Cor. No. 4  Set an iron post, 4 ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top with leaden cap mkd. 4 P 2-4392.  No bearing objects are available.  Thence N. 16° 48' E.
1082.00	Wash, 9 ft. wide, course northerly.
1500.00	To Cor. No. 1 and place of beginning.

## AREA

	Acres
Total area Pinnacle No. 1 lode - - - - -	20.661
Total area Pinnacle No. 2 lode - - - - -	20.661

## LOCATION

This survey is located approximately in the SE 1/4 Sec. 33, T. 18 S., R. 7 E., and the NE 1/4 Sec. 4, T. 19 S., R. 7 E., unsurveyed, in the Papago Indian Reservation.

The survey is identical with the amended location as staked on the ground.

## EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the location embraced in said mining claim by the claimant or her grantors are as follows:

No. 1	The discovery tunnel of the Pinnacle No. 1 lode, the portal of which being the discovery point is on the center line, 305 ft. from the center of line 3-4, 4 x 7 ft. running S. 27° 30' E., 40 ft. to a point, thence S. 75° E., 100 ft. to breast. Value \$2100.00
No. 2	A shaft, the center of which bears from Cor. No. 1, Pinnacle No. 1 lode, S. 4° 28' W., 815 ft. dist., 4 x 6 ft., 15 ft. deep. Value \$150.00
No. 3	A shaft, the center of which bears from Cor. No. 1, Pinnacle No. 1 lode, S. 9° 18' W., 800 ft. dist., 4 x 6 ft., 15 ft. deep. Value \$150.00
No. 1	The discovery cut of the Pinnacle No. 2 lode, the face of which being the discovery point is on the center line, 642 ft. from the center of line 1-2, 4 ft. wide, 15 ft. face, running north 25 ft. to mouth; from the face is a tunnel 4 x 7 ft. in size running south 125 ft. to breast. Value cut and tunnel \$1975.00

## OTHER IMPROVEMENTS

None

Survey No. 4392

<p>1500.00 To cor. No. 1 and place of beginning.</p> <p>1082.00 Wash, 9 ft. wide, course northerly.</p> <p>Trace N. 10' 48' E.</p> <p>No bearing objects are available.</p> <p>Get an iron post, 4 ft. long, 3 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top with leaden cap mkd. P. N-4392.</p> <p>Cor. No. 4</p> <p>300.00 base line; discovery point bears N. 10' 48' E., 858.0 ft. dist.</p>	<p>1500.00</p> <p>1082.00</p>	<p>1500.00</p> <p>1082.00</p>
AREA		
<p>Acres</p> <p>20.601</p> <p>20.601</p>	<p>Total area Pinnacle No. 1 lode</p> <p>Total area Pinnacle No. 2 lode</p>	<p>20.601</p> <p>20.601</p>
LOCATION		
<p>The survey is identical with the amended location as staked on the ground.</p> <p>This survey is located approximately in the SE 1/4 sec. 33, T. 18 S., R. 7 E., and the NE 1/4 sec. 4, T. 19 S., R. 7 E., unreserved, in the Pappo Indian Reservation.</p>		
EXAMINATIONS		
<p>The improvements and the value of the labor and improvements made upon or for the benefit of the location embraced in said mining claim by the claimant or her grantors are as follows:</p>		
<p>No. 1</p> <p>The discovery tunnel of the Pinnacle No. 1 lode, the portion of which being the discovery point is on the center line, 300 ft. from the center of line 3-4, 4 x 7 ft. running S. 77° 30' E., 40 ft. to a point, thence S. 77° E., 100 ft. to breast.</p> <p>Value \$2100.00</p>	<p>No. 1</p>	<p>No. 1</p>
<p>No. 2</p> <p>A shaft, the center of which bears from Cor. No. 4, Pinnacle No. 1 lode, S. 4° 35' W., 815 ft. dist., 4 x 6 ft., 15 ft. deep.</p> <p>Value \$150.00</p>	<p>No. 2</p>	<p>No. 2</p>
<p>No. 3</p> <p>A shaft, the center of which bears from Cor. No. 4, Pinnacle No. 1 lode, S. 7° 18' W., 800 ft. dist., 4 x 6 ft., 15 ft. deep.</p> <p>Value \$150.00</p>	<p>No. 3</p>	<p>No. 3</p>
<p>No. 4</p> <p>The discovery cut of the Pinnacle No. 2 lode, the face of which being the discovery point is on the center line, 400 ft. from the center of line 1-2, 4 ft. wide, 12 ft. high, running north 25 ft. to mouth; from the face is a tunnel 4 x 7 ft. in size running south 125 ft. to breast.</p> <p>Value cut and tunnel \$1925.00</p>	<p>No. 4</p>	<p>No. 4</p>
OTHER IMPROVEMENTS		
None		

Survey No. 4392

ADJOINING CLAIMS

None

FIELD ASSISTANTS

Name	Capacity
E.H.Jenkins	Chainman
J.J.Walden	Chainman

Survey No. 4332

ADJUTANT GENERAL

None

FIELD ASSISTANTS

Chief

Name

Assistant

A. H. ...

Assistant

...

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Sept. 9, 1954

I, T. N. Stevens,  
 Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the \_\_\_\_\_  
Office Cadastral Engineer, at Phoenix, Arizona  
 dated July 8, 1954, I have faithfully and correctly executed the survey of  
 the mining claim of Clara H. Robertson,  
 known as the Pinnacle No. 1 and Pinnacle No. 2 lode claims  
(Lode, placer, or mill site)  
 situate in Sections 33 and 4 (approximately),  
T.s. 18 & 19 S., R. 7 E., unsurveyed, G. & S.R. Meridian, Arizona, and  
(State)  
 designated as Survey No. 4392, which is represented in the foregoing field notes as having been  
 executed by me and under my direction, and that said survey has been made in strict conformity with said order,  
 the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner  
 described in the foregoing field notes, and I do further certify that the labor expended and improvements made  
 upon or for the benefit of the lode location(s) embraced in the said mining claim by  
(Lode or placer)  
 claimant(s) or her grantors are fully stated in my report therein, and that the character,  
 extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no  
 portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate  
 of expenditures upon any other claim.

Tucson, Arizona  
(Place)

T. N. Stevens  
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office  
(Office)

Phoenix, Arizona May 25, 1955  
(Place) (Date)

The foregoing field notes of mineral survey No. 4392, in Sections 33 and 4 (approximately)  
T.s. 18 & 19 S., R. 7 E., unsurveyed, G. & S.R. Meridian,  
Arizona, executed by T. N. Stevens, Mineral Surveyor,  
(State)  
 under order dated July 8, 1954, having been critically examined and the necessary  
 corrections made prior to their certification by the surveyor, the field notes and the survey therein described  
 are hereby approved.

Everett H. Kimmell  
 Everett H. Kimmell

Office Cadastral Engineer  
(Title)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. 4392  
is a true copy of the original field notes.~~

~~Everett H. Kimmell~~

~~Office Cadastral Engineer~~  
(Title)

