

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4485

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

EDITH IONA DICKIE

Known As The

Ruth Extension, Empire, Partnership, Mascot and Rattan Extension lodes

San Francisco Mining District,

Mohave County, Arizona

Section 29 and 30, Township 20 N., Range 20 W., G&SR Meridian

Surveyed under order dated April 14, 1959

by Olaf Hondrum  
Mineral Surveyor.

Claim located (See reverse), 19

Survey commenced April 15, 1959

Survey completed April 30, 1959

Address of claimant c/o James J. Dwight, Attorney  
7000 E. Camelback  
Scottsdale, Arizona

DATES OF AMENDED LOCATIONS

(See Reverse)

<u>Name of Claim</u>	<u>Date of Location</u>	<u>Date of Amended Location</u>
Ruth Extension	7-2-29	6-27-58
Empire	2-8-31	6-27-58
Partnership	1-1-17	6-27-58
Mascot	7-2-29	6-27-58
Rattan Extension	7-2-29	6-27-58

CHARGE

AMOUNT

This survey was made with a K. & E. transit No. 129403, with horizontal limb 6.2 ins. diam., having two double opposite verniers, and full vertical circle, 5 ins. diam., having one double vernier; the verniers read to one minute of arc; the eyepiece is equipped with a colored glass for making direct observations upon the sun. 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 established by direct observation on the sun April 11, 1959, at Cor. No. 4 of the Ruth Extension lode, latitude 35° 06' N., longitude 114° 26' 40" W., turning from a reference point in a NW direction clockwise to the sun in the SE direction.

True bearing of the reference point: N. 77° 20' W.

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot, with the first and last foot graduated to hundredths of a foot. The tape was compared with a standard of the Arizona Highway Department and found correct.

All lines and connections of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse methods, as shown by the calculation sheets herewith submitted.

The magnetic declination observed at each corner of the survey gave a uniform value of 15° 30' E.

Survey No. 4485

Ruth Extension Lode

At Cor. No. 1 of the Ruth Extension lode.

Set an iron post, 42 ins. long, 1 1/2 ins. diam., 24 ins. in the ground, with aluminum cap mkd. REX-1-4485; from which

The Cor. of Secs. 19, 20, 29 and 30, T. 20 N., R. 20 W., G&SR Mer., bears N. 55° 16' W., 626.5 ft. dist; an iron post, 1 1/2 ins. diam., 12 ins. above the ground, firmly set, marked and witnessed in the official record.

Cor. No. 3, Sur. 790, California Moss lode, claimant herein, bears S. 85° 04' E., 446.2 ft. dist.

Split in Sugar Loaf Mtn., a distant peak, bears N. 51° 05' E.

A rock ledge, 7 ft. above ground, bears N. 61° 25' E., 87.3 ft. dist., mkd. X BO-REX-1-4485.

Thence S. 8° 45' E.

6.0 S. Bank wash, 25 ft. wide, course SW.

300.0 Lode line; discovery point bears N. 77° 17' W., 1010 ft. dist.

345.0 N. bank wash, 65 ft. wide, course SW.

600.0 Cor. No. 2.

CHANGES	
	<p>Set an iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. REX-2-4485; from which</p> <p>A rock ledge, 1 ft. above ground, bears S. 35° 58' W., 184.3 ft. dist., mkd. X BO-REX-2-4485.</p> <p>Thence N. 77° 17' W.</p>
1630.0	E. bank wash, 50 ft. wide, course SW.
802.0	Road, bears NE and SW.
1028.2	Cor. No. 5 of the Empire lode of this survey.
1230.0	Ridge, bears NE and SW.
1335.0	Gully, 5 ft. wide, course S.
1500.0	<p>Cor. No. 3, identical with Cor. No. 1 of the Empire lode of this survey, and with Cor. No. 3, Sur. No. 2213, Ruth lode, a 4 x 4 in. wooden post, rotted at the ground, replaced with</p> <p>An iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. REX-3-4485-E-1-4485-R-3-2213; from which</p> <p>A rock ledge, 5 ft. above ground, bears N. 0° 20' E., 65.2 ft. dist., mkd. X BO-REX-3-4485.</p> <p>Thence N. 8° 45' W.</p>
300.0	Lode line; discovery point bears S. 77° 17' E., 460 ft. dist.
545.0	Gully, 5 ft. wide, course SW.
600.0	<p>Cor. No. 4, identical with Cor. No. 4, Sur. No. 4484, Keystone Wedge lode, and Cor. No. 2, Sur. No. 2213, Ruth lode; an iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. KW-4-4484-R-2-2213-REX-4-4485; from which</p> <p>Cor. No. 3, Sur. No. 182, California Moss lode, identical with Cor. No. 2, Sur. No. 790, California Moss lode, claimant herein, bears S. 79° 36' E., 446.07 ft. dist.</p> <p>A rock ledge, 2 ft. above ground, bears N. 52° 22' E., 138.5 ft. dist., mkd. X BO-REX-4-4485.</p> <p>Thence S. 77° 17' E.</p>
282.0	Ridge, bears NE and SW.
345.0	Road, bears NW and SE
710	Road, bears NW and SE.
1475.0	W. bank wash, 25 ft. wide, course SW.
1500.0	Cor. No. 1, and place of beginning.
	<p style="text-align: center;"><b>Empire Lode</b></p> <p>Beginning at Cor. No. 1 of the Empire lode, identical with Cor. No. 3 of the Ruth Extension lode of this survey, and with Cor. No. 3, Sur. No. 2213, Ruth lode; from which</p>

	<p>The cor. of Secs. 19, 20, 29 and 30, T. 20 N., R. 20 W., bears N. 54° 08' E., 1057.7 ft. dist.</p> <p>Thence S. 81° 45' W.</p> <p>On line 3-4, Sur. No. 2213, Ruth lode.</p>
460.0	Gully, 8 ft. wide, course SW.
775.0	Road, bears NW and SE.
810.0	E. bank wash, 53 ft. wide, course SE.
1035.3	Cor. No. 2, identical with Cor. No. 1 of the Partnership lode of this survey, on line 3-4, Ruth lode, Sur. No. 2213.
	<p>Set an iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. E-2-P-1-4485; from which</p> <p>Cor. No. 4, Sur. No. 2213, Ruth lode bears S. 81° 45' W., 469.9 ft. dist.</p> <p>A boulder, 2 x 2 ft., 1 ft. above ground, bears S. 9° 10' W., 132.7 ft. dist., mkd. X B0-E-2-4485.</p> <p>Thence S. 0° 06' E.</p>
300.0	Lode line; discovery point bears N. 81° 45' E., 78 ft. dist.
515.0	N. bank wash, 75 ft. wide, course SW.
550.0	Road, bears NE and SW.
600.0	Cor. No. 3, identical with Cor. No. 4 of the Partnership lode of this survey.
	<p>Set an iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. E-3-P-4-4485; from which</p> <p>A rock ledge, 4 ft. above ground, bears S. 52° 10' W., 53.4 ft. dist., mkd. X B0-E-3-4485.</p> <p>Thence N. 81° 45' E.</p>
273.0	Road, bears NE and SW.
1195.0	Wash, 15 ft. wide, course SW.
1500.0	Cor. No. 4.
	<p>Set an iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. E-4-4485; from which</p> <p>A rock ledge, even with the ground, bears S. 78° 20' W., 37.7 ft. dist., mkd. X B0-E-4-4485.</p> <p>Thence N. 0° 06' W.</p>
258.0	S. bank wash, 30 ft. wide, course SW.
300.0	Lode line; discovery point bears S. 81° 45' W., 142 ft. dist.
429.4	Cor. No. 5, on line 2-3, Ruth Extension lode of this survey.

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Set an iron post, 42 ins. long,  $1\frac{1}{2}$  ins. diam., 24 ins. in the ground, with aluminum cap mkd. E-5-4485; from which

A rock ledge, 3 ft. above ground, bears N.  $10^{\circ} 23'$  E., 153.5 ft. dist., mkd. X BO-E-5-4485.

Thence N.  $77^{\circ} 17'$  W.

202.0 Ridge, bears NE and SW.

307.0 Gully, 5 ft. wide, course S.

471.8 Cor. No. 1, and place of beginning.

#### Partnership Lode

Beginning at Cor. No. 1 of the Partnership lode, identical with Cor. No. 2 of the Empire lode of this survey; from which

The  $\frac{1}{4}$  Sec. Cor. of Secs. 19 and 30, T. 20 N., R. 20 W., G&SR Mer., bears N.  $44^{\circ} 22'$  W., 1088.3 ft. dist., an iron post  $1\frac{1}{2}$  ins. diam., 30 ins. above ground, mkd. and witnessed as described in the official record.

Thence S.  $81^{\circ} 45'$  W.

134.3 Intersect line 5-7, Rattan lode, of Sur. No. 857; at a point from which Cor. No. 5 bears S.  $0^{\circ} 49'$  E., 297.8 ft. dist.

138.0 Gully, 4 ft. wide, course SW.

469.9 Cor. No. 4, Sur. No. 2213, Ruth lode.

595.0 Gully, course S.

650.0 Cor. No. 2.

Set an iron post, 42 ins. long,  $1\frac{1}{2}$  ins. diam., 24 ins. in the ground, with aluminum cap mkd. P-2-4485; from which

A rock ledge, 4 ft. above ground, bears N.  $56^{\circ} 44'$  E., 181.2 ft. dist., mkd. X BO-P-2-4485.

Cor. No. 5, Sur. No. 857, Rattan lode, bears S.  $66^{\circ} 29' 48''$  E., 561.16 ft.

Thence S.  $0^{\circ} 06'$  E.

8.0 Road, bears NW and SE.

224.7 Cor. No. 1, Mascot lode of this survey, on line 4-5, Rattan lode, Sur. No. 857, at a point from which Cor. No. 5 bears N.  $89^{\circ} 54'$  E., 514.2 ft. dist.

300.0 Lode line; discovery point bears N.  $81^{\circ} 45'$  E., 540 ft. dist.

350.0 Gully, 5 ft. wide, course SW.

600.0 Cor. No. 3, on line 1-2, Mascot lode of this survey.

Set an iron post, 42 ins. long,  $1\frac{1}{2}$  ins. diam., 24 ins. in the ground, with aluminum cap mkd. P-3-4485; from which

A rock ledge, level with the ground, bears S.  $25^{\circ} 11'$  E., 140.6 ft. dist., mkd. X BO-P-3-4485.

	Thence N. 81° 45' E.	
200.0	Road, bears NW and SE.	
350.0	Gully, 5 ft. wide, course SW.	
410.0	W. edge wash, course SW.	
500.0	Road, bears NE and SW.	
575.0	E. edge wash, course SW.	
650.0	Cor. No. 4, identical with Cor. No. 3 of the Empire lode of this survey, previously described.	
	Thence N. 0° 06' W.	
10.0	S. edge wash, 75 ft. wide, course SW.	
50.0	Road, bears NE and SW.	
300.0	Lode line; discovery point bears S. 81° 45' W., 110 ft. dist.	
600.0	Cor. No. 1, and place of beginning.	
-Mascot Lode-		
Beginning at Cor. No. 1, Mascot lode, on line 4-5, Rattan lode, Sur. No. 857, and on line 2-3, Partnership lode of this survey.		
Set an iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. M-1-4485; from which		
	The ¼ Cor. of Secs. 19 and 30 bears N. 6° 09' W., 1102.3 ft. dist.	
	Cor. No. 5, Rattan lode, Sur. No. 857, bears N. 89° 54' E., 514.2 ft. dist.	
	A rock ledge, even with the ground, bears N. 49° 23' E., 78.9 ft. dist., mkd. X BO-M-1-4485.	
	Thence S. 0° 06' E.	
125.3	Gully, 5 ft. wide, course SW.	
300.0	Lode line; discovery point bears S. 89° 54' W., 195 ft. dist.	
375.3	Cor. No. 3, Partnership lode of this survey.	
572.0	N. edge wash, 65 ft. wide, course W.	
600.0	Cor. No. 2.	
	Set an iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. M-2-4485; from which	
	A rock ledge, 5 ft. above ground, bears S. 0° 42' E., 47.1 ft. dist., mkd. X BO-M-2-4485.	
	Thence S. 89° 54' W.	
238.0	Gully, 5 ft. wide, course SW.	

1435.0	Ridge, bears NE and SW.
1500.0	Cor. No. 3. Set an iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. M-3-4485; from which A rock ledge, 2 ft. wide, 1 ft. above ground, bears S. 44° 42' E. 33.2 ft. dist., mkd. X BO-M-3-4485. Thence N. 0° 06' W.
105.0	Ridge, bears NE and SW.
300.0	Lode line; discovery point bears N. 89° 54' E., 1305 ft. dist.
360.0	Gully, 5 ft. wide, course SW.
600.0	Cor. No. 4, on line 1-2, Rattan Extension lode of this survey. Set an iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. M-4-4485; from which A rock ledge, 6 ft. long, 2 ft. above ground, bears N. 69° 00' W., 34.1 ft. dist., mkd. X BO-M-4-4485. Thence N. 89° 54' E.
510.1	Cor. No. 1 of the Rattan Extension lode of this survey.
656.0	Ridge, bears NE and SW.
1450.0	Gully, 5 ft. wide, course S.
1500.0	Cor. No. 1, and place of beginning.
Rattan Extension Lode	
Beginning at Cor. No. 1 of the Rattan Extension lode, identical with Cor. No. 4, Rattan lode, Sur. No. 857, a 2 x 4 in. wooden post, rotted at the ground, replaced with An iron post, 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. R-4-857-REX-1-4485; from which The ¼ Sec. Cor. of Secs. 19 and 30 bears N. 38° 28' E., 1101.8 ft. dist. A rock ledge, 10 ft. above ground, bears N. 0° 31' E., 99.0 ft. dist., mkd. X BO-REX-1-4485. Thence S. 89° 54' W.	
510.1	Cor. No. 4 of the Mascot lode of this survey.
1290.0	Wash, 20 ft. wide, course SW.
1500.0	Cor. No. 2. Set an iron post 42 ins. long, 1½ ins. diam., 24 ins. in the ground, with aluminum cap mkd. REX-2-4485; from which

125.0	A rock ledge, 2 ft. above ground, bears N. 68° 41' E., 77.4 ft. dist., mkd. X BO-REX-2-4485.	
300.0	Thumb of Mitten Mtn., a distant peak, bears S. 6° 13' E. Thence N. 0° 06' W.	
361.0	Lode line; discovery point bears N. 89° 54' E., 1080 ft. dist.	
600.0	Gully, 5 ft. wide, course SW.	
600.0	Cor. No. 3. Set an iron post, 42 ins. long, 1 1/2 in. diam., 24 ins. in the ground, with aluminum cap mkd. REX-3-4485; from which A rock ledge, 15 ft. wide, 4 ft. above ground, bears N. 12° 47' E., 200.0 ft. dist., mkd. X BO-REX-3-4485. Thence N. 89° 54' E.	
115.0	Ridge, bears NE and SW.	No. 1
510.0	Ridge, bears NE and SW.	No. 2
625.0	Gully, 5 ft. wide, course S.	No. 3
1118.4	Cor. No. 3, Omega lode, Sur. No. 4484.	
1310.0	Road, bears N. and S.	
1350.0	Gully, 6 ft. wide, course S.	
1500.0	Cor. No. 4, on line 2-3, Omega lode, Sur. No. 4484.	
	Set an iron post, 42 ins. long, 1 1/2 in. diam., 24 ins. in the ground, with aluminum cap mkd. REX-4-4485; from which Cor. No. 2, Sur. No. 857, Rattan lode, bears S. 31° 51' E., 6.25 ft. dist., 2 x 4 in. wooden post set in rock pile. A rock ledge, 3 ft. above ground, bears S. 13° 26' E., 90.0 ft. dist., mkd. X BO-REX-4-4485. Thence S. 0° 06' E.	
55.0	Gully, 5 ft. wide, course SW.	
300.0	Lode line; discovery point bears S. 89° 54' W., 420 ft. dist.	
402.0	Ridge, bears E. and W.	
554.0	Gully, 5 ft. wide, course NW.	
600.0	Cor. No. 1, and place of beginning.	
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AREAS		
Total area, Ruth Extension lode		Acres 19.228

REMARKS	Acres
Total area, Empire lode	19.551
Total area, Partnership lode	8.863
Area in conflict with--	
Sur. No. 857, Rattan lode	3.074
Total area, Mascot lode	20.661
Total area, Rattan Extension lode	20.661

LOCATION

This survey is located in the NW<sup>1</sup>/<sub>4</sub> of Sec. 29 and the N<sup>1</sup>/<sub>2</sub> of Sec. 30, T. 20 N., R. 20 W., G&SR Mer., Arizona.

The survey of all lodes is identical with the respective amended locations, as marked on the ground.

EXPENDITURES

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

- No. 1 The discovery point of the Ruth Extension lode is on the lode line 460 ft. from the center of line 3-4.
- No. 2 A shaft of the Ruth Extension lode, the center of which bears S. 52° W., 126 ft. dist. from the discovery point, 4 x 6 ft., 8 ft. deep.  
Value, \$150.00
- No. 3 A cut bears S. 70° W., 156 ft. dist. from the discovery point of the Ruth Extension lode, 5 x 20 ft. 12-foot face, with a tunnel 4 x 5 ft., 20 ft. long at the end, runs S. 75° E.  
Value, \$350.00
- No. 4 A cut bears S. 78° W., 267 ft. dist. from the discovery point of the Ruth Extension lode, 5 x 7 ft., 8-foot face, with a tunnel at the end, 4 x 5 ft., 6 ft. long, runs S. 85° W.  
Value, \$125.00
- No. 5 A cut bears S. 74° 40' W., 338 ft. dist. from the discovery point of the Ruth Extension lode, 4 x 15 ft., 8-foot face, runs N. 67° W.  
Value, \$75.00
- No. 6 A cut bears S. 65° 30' W., 324 ft. dist. from the discovery point of the Ruth Extension lode, 6 x 15 ft., 8-foot face, with a tunnel at the end, 4 x 4 ft., 6 ft. long, runs N. 55° W.  
Value, \$125.00
- No. 7 A shaft, the center of which bears N. 30° 54' W., 105 ft. dist. from the discovery point of the Ruth Extension lode, 4 x 12 ft., 5 ft. deep.  
Value, \$100.00
- No. 8 A shaft, the center of which bears N. 51° 30' W., 138 ft. dist. from the discovery point of the Ruth Extension lode, 4 x 12 ft., 5 ft. deep.  
Value, \$100.00
- No. 9 A shaft, the center of which bears N. 16° E., 130 ft. dist. from the discovery point of the Ruth Extension lode, 5 x 10 ft., 5 ft. deep.  
Value, \$100.00

No.	Description
No. 10	A cut bears N. 30° 30' E., 155 ft. dist. from the discovery point, of the Ruth Extension lode, 4 x 12 ft., 6-foot face, runs S. 72° W. Value, \$75.00
No. 1	The discovery point of the Empire lode is on the lode line 78 ft. from the center of line 2-3.
No. 2	A cut of the Empire lode bears N. 77° E., 112 ft. dist. from the center of end line 2-3, 5 x 15 ft., 5-foot face, runs S. 35° W. Value, \$75.00
No. 3	A cut bears N. 10° E., 242 ft. dist. from Cor. No. 3, Empire lode, 5 x 20 ft., 10-foot face, with a tunnel at the end, 4 x 6 ft., 20 ft. long, runs N. 33° E. Value, \$300.00
No. 4	A cut bears N. 8° 30' E., 95 ft. dist. from Cor. No. 3, Empire lode, 5 x 25 ft., 8-foot face, runs S. 80° W. Value, \$150.00
No. 5	A shaft, the center of which bears N. 9° 30' E., 110 ft. dist. from Cor. No. 3, Empire lode, 4 x 5 ft., 5 ft. deep. Value, \$100.00
No. 6	A cut bears S. 50° 40' E., 281 ft. dist. from Cor. No. 2, Empire lode, 5 x 12 ft., 7-foot face, with a tunnel at the end 4 x 6 ft. 8 ft. long, runs S. 16° W. Value, \$150.00
No. 7	A cut bears S. 55° E., 322 ft. dist. from Cor. No. 2, Empire lode, 5 x 14 ft., 10-foot face, runs S. 76° W. Value, \$100.00
No. 8	A cut bears S. 82° 30' E., 735 ft. dist. from Cor. No. 2, Empire lode, 6 x 10 ft., 5-ft. face, runs S. 45° E. Value, \$75.00
No. 9	A cut bears S. 83° 25' E., 780 ft. dist. from Cor. No. 2, Empire lode, 6 x 15 ft., 7-foot face, runs S. 75° E. Value, \$75.00
No. 10	A cut bears S. 83° E., 890 ft. dist. from Cor. No. 2, Empire lode, 4 x 12 ft., 7-foot face, runs S. 9° E. Value, \$60.00
No. 11	A cut bears S. 57° 10' E., 615 ft. dist. from Cor. No. 2, Empire lode, 4 x 10 ft., 6-foot face, with a tunnel at the end, 4 x 5 ft., 6-ft. long, runs S. 37° W. Value, \$100.00
No. 12	A cut bears S. 62° E., 775 ft. dist. from Cor. No. 2, Empire lode, 4 x 12 ft., 7-foot face, runs N. 27° E. Value, \$100.00
No. 13	A cut bears S. 82° W., 318 ft. dist. from Cor. No. 4, Empire lode, 5 x 15 ft., 8-foot face, runs S. 80° W. Value, \$100.00
No. 14	The discovery point of the Partnership lode is on the lode line, 110 ft. from the center of line 4-1.

No.	Description	Value
No. 2	A cut of the Partnership lode bears N. 53° 30' W., 150 ft. dist. from the center of end line 4-1, 5 x 15 ft., 8-foot face, runs N. 80° E.	\$100.00
No. 3	A shaft, the center of which bears N. 16° 30' W., 92 ft. dist. from Cor. No. 4, Partnership lode, 5 x 7 ft., 12 ft. deep.	\$250.00
No. 4	A shaft, the center of which bears N. 19° 30' W., 98 ft. dist. from Cor. No. 4, Partnership lode, 6 x 8 ft., 4 ft. deep.	\$100.00
No. 5	A cut bears N. 35° W., 92 ft. dist. from Cor. No. 4, Partnership lode, 5 x 20 ft., 8-foot face, with a shaft at the end, 5 x 5 ft., 6 ft. deep, runs N. 60° W.	\$220.00
No. 6	A cut bears S. 6° 10' E., 50 ft. dist. from the center of end line 2-3, Partnership lode, 6 x 10 ft., 5-foot face, runs S. 55° E.	\$50.00
No. 7	A cut bears N. 0° 10' W., 185 ft. dist. from Cor. No. 4, Partnership lode, 5 x 15 ft., 12-foot face, runs S. 60° W.	\$100.00
No. 1	The discovery point of the Mascot lode is on the line 195 ft. from the center of line 1-2.	
No. 2	A shaft of the Mascot lode, the center of which bears N. 85° 35' W., 245 ft. dist. from the center of end line 1-2, 4 x 7 ft., 5 ft. deep.	\$100.00
No. 3	A shaft, the center of which bears N. 83° W., 232 ft. dist. from the center of end line 1-2, Mascot lode, 5 x 5 ft., 4 ft. deep.	\$75.00
No. 4	A cut bears S. 82° 30' W., 180 ft. dist. from the center of end line 1-2, Mascot lode, 4 x 12 ft., 4-foot face, runs N. 25° W.	\$30.00
No. 5	A cut bears N. 39° 30' W., 171 ft. dist. from the center of end line 1-2, Mascot lode, 4 x 15 ft., 5-foot face, runs N. 89° W.	\$50.00
No. 6	A cut bears N. 11° 40' W., 123 ft. dist. from the center of end line 1-2, Mascot lode, 4 x 12 ft., 9-foot face, runs N. 65° W.	\$75.00
No. 7	A cut bears S. 75° 10' W., 120 ft. dist. from Cor. No. 1, Mascot lode, 4 x 20 ft., 11-foot face, runs S. 68° E.	\$100.00
No. 8	A cut bears S. 42° W., 70 ft. dist. from Cor. No. 1, Mascot lode, 5 x 6 ft., 5-foot face, runs N. 45° W.	\$30.00
No. 9	A shaft, the center of which bears S. 66° W., 180 ft. dist. from Cor. No. 1, Mascot lode, 6 x 8 ft., 25 ft. deep.	\$500.00

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No. 10	A shaft, the center of which bears S. 77° W., 160 ft. dist. from Cor. No. 1, Mascot lode, 4 x 5 ft., 5 ft. deep. Value, \$75.00
No. 11	A shaft, the center of which bears S. 78° 30' W., 225 ft. dist. from Cor. No. 1, Mascot lode, 6 x 7 ft., 4 ft. deep. Value, \$75.00
No. 12	A shaft, the center of which bears S. 86° W., 300 ft. dist. from Cor. No. 1, Mascot lode, 4 x 7 ft., 5 ft. deep. Value, \$75.00
No. 13	A cut bears N. 52° 10' W., 76 ft. dist. from Cor. No. 2, Mascot lode, 5 x 15 ft., 7-foot face, runs N. 28° W. Value, \$60.00
No. 14	A cut bears N. 67° W., 92 ft. dist. from Cor. No. 2, Mascot lode, 5 x 12 ft., 9-foot face, runs N. 30° E. Value, \$60.00
No. 15	A cut bears S. 58° E., 212 ft. dist. from Cor. No. 4, Mascot lode, 4 x 10 ft., 4-foot face, runs S. 15° E. Value, \$50.00
No. 16	A cut bears S. 86° 30' E., 382 ft. dist. from Cor. No. 4, Mascot lode, 4 x 12 ft., 6-foot face, runs S. 28° E. Value, \$60.00
No. 17	A shaft, the center of which bears N. 44° 15' E., 162 ft. dist. from Cor. No. 3, Mascot lode, 5 x 6 ft., 6 ft. deep. Value, \$100.00
No. 1	The discovery point of the Rattan Extension lode is on the lode line 420 ft. from the center of line 4-1.
No. 2	A shaft of the Rattan Extension lode, the center of which bears N. 89° W., 460 ft. dist. from the center of end line 4-1, 4 x 6 ft., 8 ft. deep. Value, \$125.00
No. 3	A cut bears S. 82° 45' W., 386 ft. dist. from the center of end line 4-1, Rattan Extension lode, 3 x 12 ft., 9-foot face, runs N. 10° W. Value, \$50.00
No. 4	A shaft, the center of which bears S. 78° W., 394 ft. dist. from the center of end line 4-1, Rattan Extension lode, 5 x 5 ft., 25 ft. deep. Value, \$400.00
No. 5	A shaft, the center of which bears S. 74° 15' W., 378 ft. dist. from the center of end line 4-1, Rattan Extension lode, 5 x 8 ft., 6 ft. deep. Value, \$125.00
No. 6	A shaft, the center of which bears S. 69° 25' W., 180 ft. dist. from the center of end line 4-1, Rattan Extension lode, 7 x 10 ft., 6 ft. deep. Value, \$150.00
No. 7	A cut bears N. 64° 25' W., 130 ft. dist. from the center of end line 4-1, Rattan Extension lode, 5 x 15 ft., 5-foot face, with a tunnel at the end, 3 x 4 ft., 6 ft. long, runs east. Value, \$100.00

No. 8	A cut bears N. 45° 35' W., 92 ft. dist. from the center of end line 4-1, Rattan Extension lode, 5 x 1 1/2 ft., 6-foot face, runs N. 25° W. Value, \$50.00
No. 9	A shaft, the center of which bears N. 38° 10' E., 410 ft. dist. from Cor. No. 2, Rattan Extension lode, 5 x 9 ft., 6 ft. deep. Value, \$150.00
No. 10	A shaft, the center of which bears N. 42° 30' E., 478 ft. dist. from Cor. No. 2, Rattan Extension lode, 7 x 10 ft., 6 ft. deep. Value, \$150.00
No. 11	A shaft, the center of which bears N. 50° E., 560 ft. dist. from Cor. No. 2, Rattan Extension lode, 6 x 9 ft., 20 ft. deep. Value, \$400.00
No. 12	A cut bears N. 56° 30' E., 577 ft. dist. from Cor. No. 2, Rattan Extension lode, 5 x 120 ft., 9-foot face, runs N. 3° E. Value, \$100.00
No. 13	A cut bears N. 57° 15' E., 597 ft. dist. from Cor. No. 2, Rattan Extension lode, 6 x 110 ft., 10-foot face, runs N. 4° E. Value, \$100.00
No. 14	A shaft, the center of which bears N. 58° 25' E., 628 ft. dist. from Cor. No. 2, Rattan Extension lode, 7 x 8 ft., 6 ft. deep. Value, \$140.00
No. 15	A shaft, the center of which bears N. 63° 20' E., 875 ft. dist. from Cor. No. 2, Rattan Extension lode, 6 x 8 ft., 8 ft. deep. Value, \$150.00

OTHER CORNER DESCRIPTIONS AND DATA

Sur. No. 2213, Ruth lode: Cors. Nos. 2 and 3, 4 x 4 in. wooden posts, rotted at the ground, were replaced with iron posts 1 1/2 ins. diam. Cor. No. 4 is 4 x 4 in. wooden post. Line 2-3 was found to be S. 8° 45' E., instead of S. 8° 25' E., as approved; line 3-4 was found to be S. 81° 45' W., 1505.2 ft. instead of S. 81° 35' E., 1500 ft., as approved.

Sur. No. 790, California Moss lode: Cor. No. 2 is a rock pile; Cor. No. 3 is a rock pile with a loosely set 2 x 4 in. wooden post; line 2-3 was found to be S. 79° 03' E., 1497.5 ft. instead of S. 77° 30' E., 1500 ft., as approved.

Sur. No. 857, Rattan lode: Cor. No. 2 is a 2 x 4 in. post loosely set in rock pile. Cors. Nos. 4 and 5, 2 x 4 in. wooden posts, rotted at the ground; Cor. No. 4 replaced with an iron post 1 1/2 ins. diam.; Cor. No. 7 is missing; its location was determined from data on plat of Sur. No. 2213, Ruth lode. Line 2-4 was found to be S. 0° 13' W., 594.7 ft. instead of S. 0° 15' E., 600 ft., as approved. Line 4-5 was found to be N. 89° 54' E., 1504.1 ft. instead of N. 89° 45' E., 1500 ft., as approved. Line 5-7 was found to be N. 0° 49' W., 600 ft. instead of N. 0° 15' W., 600 ft., as approved. Line 7-2 was found to be S. 89° 42' W., 1493.4 ft. instead of S. 89° 45' W., 1500 ft., as approved.

FIELD ASSISTANTS

Name	Capacity
Donald C. Hondrum	Head Chainman
S. O. Hondrum	Chainman

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

May 22, 1959

I, Olaf Hondrum,  
 Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the \_\_\_\_\_  
 Office Cadastral Engineer, at Phoenix, Arizona  
 dated April 14, 1959, I have faithfully and correctly executed the survey of  
 the mining claim of Edith Iona Dickie,  
 known as the Ruth Extension, Empire, Partnership, Mascot and Rattan Extension lodes  
(Lode, placer, or mill site)  
 situate in San Francisco Mining District, Mohave County, Sections 29 and 30,  
T. 20 North, R. 20 West, Gila & Salt River Meridian, Arizona, and  
(State)  
 designated as Survey No. 4485, 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.

Phoenix, Arizona  
(Place)

Olaf Hondrum  
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office  
(Office)  
Phoenix, Arizona November 6, 1959  
(Place) (Date)

The foregoing field notes of mineral survey No. 4485, in Sections 29 and 30  
 \_\_\_\_\_, T. 20 North, R. 20 West, Gila & Salt River Meridian,  
Arizona, executed by Olaf Hondrum, Mineral Surveyor,  
(State)  
 under order dated April 14, 1959, 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.

Lester S. Mann  
Lester S. Mann  
Office Cadastral Engineer  
(Title)

CERTIFICATE OF TRANSCRIPT

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

\_\_\_\_\_  
\_\_\_\_\_  
(Title)

