

4-688

MINERAL SURVEY No. 4221

ARIZONA

Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Randolph Jenks

KNOWN AS THE
 CATALINA # 1, CATALINA # 2, CATALINA # 3, CATALINA # 4, SUNNEY
 BROOK and BUCKHORN lodes

Old Hat

Mining District,

PIMA

County,

Arizona

Sections 25 and 36
30

Township 11 S

Range 15 E, Unsur., & 16 E, G&SR M

Surveyed under instructions dated December 13, 19 38

By Ralph L. Motz

U. S. Mineral Surveyor, G. L. O.

Claim located See back of this sheet, 19

Survey commenced December 19, 19 38

Survey completed December 30, 19 38

Address of claimant Randolph Jenks,

Route 1, Box 722,
Tucson, Arizona.

DATES OF AMENDED LOCATIONS

See back of this sheet

	<u>Located</u>	<u>Amended</u>
Catalina #1	July 1, 1929,	November 7, 1938
Catalina #2	" " "	" " "
Catalina #3	" " "	" " "
Catalina #4	" " "	" " "
Sunney Brook	June 18, 1913,	November 9, 1938
Buckhorn	September 25, 1913,	November 9, 1938

Feet

Mineral Survey No. 4221 was made with a Gurley & Sons Precise Transit, Light Mountain Model, with horizontal limb 6.25 inches in diameter, having two double opposite verniers, and full vertical circle 5 inches in diameter, having one double vernier; the verniers read to one minute of arc; the eye piece is equipped with a prismatic eye piece with colored glass slide 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. An a.m. altitude observation of the sun for azimuth, and at noon on the meridian for latitude, were made at Cor. No. 1 of the Sunney Brook lode, the details of which observations are shown in the calculation sheets herewith submitted for examination. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses.

The lines were measured with a Lufkin Steel tape, 25 feet in length, graduated to feet, inches and fractions of inches for the entire length; a Kueffel & Esser steel tape, 100 feet in length, graduated to feet, tenths and hundredths for the entire length; a Kueffel & Esser steel tape, 300 feet in length, graduated to feet, tenths and hundredths for the entire length. All tapes were compared with a Lufkin standard at the time of beginning the survey, and found correct.

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

The magnetic variation observed at each corner of the survey gave a uniform value of $14^{\circ} 00'$ E.

CATALINA # 1

Beginning at Corner No. 1 of the Catalina # 1 lode

Identical with Cor. No. 4 of the Catalina # 2 lode of this survey.

Set a schist rock, 26x13x5 ins., 18 ins. in the ground, mkd. C1-1-4221; C2-4-4221; from which

A pine post, 4 inches in diameter, set in the ground in a mound of rocks bears southerly 3 ft.

A fir tree, 48 inches in diameter, 80 ft. high, mkd. BT x C1-1-4221 bears North 7.3 ft.

A fir tree, 36 ins. diam., 100 ft. high, mkd. BT x C1-1-4221 bears S $54^{\circ} 03'$ E 23.0 ft.

The Sec. Cor. between Sec. 25, T 11 S, R 15 E and Sec. 30, T 11 S, R 16 E bears N $71^{\circ} 24'$ E 725.1 ft.

thence S $8^{\circ} 57'$ W

465.0 Cross road, 10 feet wide, course easterly.

493.0 Cross Sabino Canyon, 25 feet wide, course easterly

585.0 Cross road, 10 feet wide, course northeasterly

650.0 Cross trail, 3 feet wide, course northeasterly

693.0 Cross road, 10 feet wide, course northwesterly

730.0 Cross trail, 3 feet wide, course northerly

853.0 Cross trail, 3 feet wide, course northeasterly

874.0 Cross trail, course northwesterly, 3 feet wide

Feet	
995.0	Cross trail, 3 feet wide, course northeasterly
1230.0	Cross road, 10 feet wide, course easterly
1329.0	Cross trail, 3 feet wide, course southeasterly
1500.0	<p>Cor. No. 2</p> <p>Identical with Cor. No. 3 of the Catalina # 2 lode of this survey and situated on line 3-4 of the Sunney Brook lode of this survey, where I</p> <p>Set a schist rock, 25x13x5 inches, 10 ins. in the ground for Cor. No. 2, mkd. C1-2-4221; C2-3-4221; from which</p> <p>A pine post, 6 inches diam, 4 feet long, set in the ground in a mound of rocks, bears Easterly 3.0 ft.</p> <p>A fir tree 20 ins. diam., 80 ft. high mkd. BT x C1-2-4221 bears S 85° 02' E 30.0 ft.</p> <p>A fir tree, 20 ins. diam, 80 ft. high, mkd. BT x C1-2-4221 bears S 43° 54' W 4.4 ft.</p> <p style="text-align: center;">thence WEST</p>
41.4	to north end center of the Sunney Brook lode of this survey
157.2	To original location for the south end center, being a mound of rocks, 3 ft. high with 3 ft. base
341.4	To Cor. No. 3 of the Sunney Brook lode of this survey
457.2	<p>To Cor. No. 3</p> <p>Set a schist rock 26x12x7 inches, 16 inches in the ground for Cor. No. 3, mkd. C1-3-4221; from which</p> <p>A pine post 5 ins. diam, 4 ft. long, set in the ground in a mound of rocks, bears Easterly 2.8 ft.</p> <p>An aspen tree, 20 ins. diam., 60 ft. high, mkd. BT x C1-3-4221 bears N 85° 06' E 7.6 ft.</p> <p>A fir tree 16 ins. diam, 70 ft. high, mkd. BT x C1-3-4221 bears S 44° 12' W 4.4 ft.</p> <p style="text-align: center;">thence N 3° 30' E</p>
1114.5	To southwest corner of Tract A, the southeast corner of this tract bears S 86° 30' E 200.0 ft. from this point
1150.0	Cross Sabino Canyon, 20 feet wide, course easterly
1180.0	Cross road, 10 feet wide, course easterly
1314.5	<p>To northwest corner of Tract A, the northeast corner of this tract bears S 86° 30' E 200.0 ft. from this point.</p> <p>The northeast corner of this tract bears N 3° 30' E 200.0 ft. from the southeast corner.</p>
1484.50	<p>Cor. No. 4</p> <p>Set a granite rock 25x15x8 ins., 17 ins. in the ground for Cor. No. 4, mkd. C1-4-4221; from which</p> <p>A pine post, 4 ins. diam, 4 feet long, set in the ground in a mound of rocks, bears southerly 3 ft.</p> <p>A fir tree 18 ins. diam, 60 ft. high, mkd. BT x C1-4-4221 bears S 55° 07' E 3.0 ft.</p>

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Feet	
	A fir tree 12 ins. diam, 60 ft. high, mkd. BT x C1-4-4221 bears West 6.6 ft.
	thence EAST
300.0	To the original location for the north end center being a mound of rocks 3 ft. high with 3 ft. base
600.0	Cor. No. 1 and place of beginning.
	CATALINA # 2
	Beginning at Cor. No. 1 of the Catalina # 2 lode,
	Set a schist rock, 25x8x5 ins., 15 ins. in the ground, mkd. C2-1-4221; from which
	A pine post 5 ins. diam, 4 ft. long, set in the ground in a mound of rocks, bears Westerly 3.2 ft.
	A pine tree 24 ins. diam, 80 ft. high, mkd. BT x C2-1-4221 bears S 73° 58' E 57.0 ft.
	A pine tree 20 ins. diam, 60 ft. high, mkd. BT x C2-1-4221 bears N 87° 10' W 31.5 ft.
	The $\frac{1}{4}$ Sec. Cor. between Sec. 25, T 11 S, R 15 E and Sec. 30, T 11 S, R 16 E bears N 19° 06' E 244.7 ft.
	thence S 8° 57' W (8° 57')
371.4	Cor. No. 3 of the Catalina # 3 lode of this survey
774.4	Cross road, 10 feet wide, course southeasterly
811.4	Cross Sabino Canyon, 25 feet wide, course southeasterly
1500.0	Cor. No. 2
	Situated on line 2-3 of the Catalina # 3 lode of this survey
	Set a granite rock, 25x14x4 ins., 15 ins. in the ground, for Cor. No. 2, mkd. C2-2-4221; from which
	A pine post, 4 ins. diam, 4 ft. long, set in the ground in a mound of rocks, bears westerly 5.0 ft.
	A fir tree, 8 ins. diam, 50 ft. high, mkd. BT x C2-2-4221 bears S 4° 08' W 8.4 ft.
	thence WEST
303.6	Original location for the south end center being a mound of rocks, 3 ft. high with 3 ft. base
348.6	Cor. No. 4 of the Sunney Brook lode of this survey
607.2	Cor. No. 3, which is identical with Cor. No. 2 of the Catalina # 1 lode of this survey
	thence N 8° 57' E
171.0	Cross trail, 3 ft. wide, course northwesterly
270.0	Cross road, 10 ft. wide, course easterly
505.0	Cross trail, 3 ft. wide, course northeasterly
626.0	same trail, course northwesterly
647.0	same trail, course northeasterly

Feet	
770.0	same trail, course northerly
307.0	Cross road, 10 feet wide, course northwesterly
850.0	Cross trail, 3 ft. wide, course northeasterly
915.0	Cross road, 10 ft. wide, course northeasterly
1007.0	Cross Sabino Canyon, 25 feet wide, course easterly
1035.0	Cross road, 10 ft. wide, course easterly
1500.0	Cor. No. 4
	Identical with Cor. No. 1 of the Catalina # 1 lode of this survey
	thence EAST
303.6	Original location for the north end center, being a mound of rocks, 3 ft. high with 3 ft. base
607.2	Cor. No. 1 and place of the beginning.
	CATALINA # 3
	Beginning at Cor. No. 1 of the Catalina # 3 lode
	Situated on line 4-1 of the Catalina # 4 lode of this survey
	A granite rock in place, 18x23 ins., 8 inches high above ground, mkd. C3-1-4221; from which
	A pine post, 4 ins. diam, 4 ft. long, set in the ground in a mound of rocks, bears westerly 4.5 ft.
	A pine tree, 10 ins. diam, 40 ft. high, mkd. BT x C3-1-4221 bears S 27° 59' W 9.1 ft.
	A pine tree 12 ins. diam, 40 ft. high, mkd. BT x C3-1-4221 bears N 55° 30' E 11.0 ft.
	The Cor. of Secs. 25 and 36, T 11 S, R 15 E and Secs. 30 and 31, T 11 S, R 16 E, being a granite rock 10x12 ins., 15 ins. above the ground, mkd. 1 on south face, 11111 on north face, bears S 20° 23' W 583.5 ft.
	thence WEST
210.0	Intersect west line of Sec. 30, T 11 S, R 16 E. The northwest corner of the SW 1/4 of the SW 1/4, (or Lot 2) of Sec. 30 bears N 0° 43' W 766.5 ft. from this point.
303.6	Original location for south end center, identical with north end center of the Catalina # 4 lode of this survey being a mound of rocks 3 ft. high with 3 ft. base.
607.2	Cor. No. 2
	Situated on line 4-1 of the Catalina # 4 lode of this survey, where I
	Set a granite rock 26x8x4 ins., 12 ins. in the ground for Cor. No. 2, mkd. C3-2-4221; from which
	A pine post, 4 ins. diam, 4 ft. long, set in the ground in a mound of rocks, bears easterly 5.0 ft.
	A pine tree 24 ins. diam, 70 ft. high, mkd. BT x C3-2-4221 bears S 61° 09' E 10.8 ft.

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Feet	
	thence N 8° 57' E
371.4	Cor. No. 2 of the Catalina # 2 lode of this survey
1060.0	Cross Sabino Canyon, 25 feet wide, course southeasterly
1097.0	Cross road, 10 feet wide, course southeasterly
1500.0	Cor. No. 3
	Situated on line 1-2 of the Catalina # 2 lode of this survey, where I
	Set a sandstone rock, 27x8x6 ins., 19 ins. in the ground for Cor. No. 3, mkd. C3-3-4221; from which
	A sandstone ledge, 48x20 ins., 21 ins. above ground, mkd. BR x C3-3-4221 bears N 22° 22' W 6.4 ft.
	A sandstone ledge, 108x59 ins., 60 ins. above the ground, mkd. BR x C3-3-4221 bears N 74° 06' W 6.3 ft.
	A pine post, 4 ins. diam, 4 ft. long, set in the ground in a mound of rocks, bears easterly 4.0 ft.
	thence EAST
303.6	Original location for the north end center, being a mound of rocks 3 ft. high with 3 ft. base
607.2	Cor. No. 4
	Set a quartzite rock 25x10x8 ins., 15 ins. in the ground for Cor. No. 4, mkd. C3-4-4221; from which
	a quartzite ledge 19x31 ins., 21 ins. above the ground mkd. BR x C3-4-4221 bears N 23° 52' W 31.8 ft.
	A pine post, 6 ins. diam, 4 ft. long, set in the ground in a mound of rocks bears westerly 4.3 ft.
	thence S 8° 57' W
615.0	Cross road, 10 ft. wide, course southeasterly
640.0	Cross Sabino Canyon, 25 ft. wide, course southeasterly
723.1	intersect north line of the SW 1/4 of the SW 1/4 of Sec. 30 at N 89° 50' E 339.8 ft. from the northwest corner thereof (or Lot 2)
1500.0	Cor. No. 1 and place of beginning.
	CATALINA # 4
	Beginning at Cor. No. 1 of the Catalina # 4 lode
	Set a granite rock, 26x15x4 ins., 16 ins. in the ground for Cor. No. 1, mkd. C4-1-4221; from which
	A pine post 5 ins. diam, 4 ft. long, set in the ground in a mound of rocks bears westerly 4.8 ft.
	A pine tree, 10 ins. diam., 40 ft. high, mkd. BTxC4-1-4221 bears N 5° 15' W 10.4 ft.
	A pine tree, 14 ins. diam, 40 ft. high, mkd. BT x C4-1-4221 bears S 13° 12' W 4.4 ft.
	The Cor. of Secs. 25 and 36, T 11 S, R 15 E and Secs. 30 and 31, T 11 S, R 16 E, bears S 22° 11' W 590.7 ft.

Feet	
586.26	<p style="text-align: center;">thence S 22° 22' W the SW$\frac{1}{4}$ SW$\frac{1}{4}$ (or Lot 2), of</p> <p>Intersect west line of Sec. 30 at N 0° 43' W 4.82 ft. from the southwest corner thereof</p>
1358.0	Cross road, 10 feet wide, course easterly
1383.0	Cross Carter Canyon, 20 ft. wide, course easterly
1500.0	Cor. No. 2
	Set a granite rock 25x12x7 ins., 18 ins. in the ground for Cor. No. 2, mkd. C4-2-4221; from which
	A pine post, 4 ins. diam, 4 ft. long, set in the ground in a mound of rocks bears Easterly 3.0 ft.
	A fir tree, 9 ins. diam, 45 ft. high, mkd. BT x C4-2-4221 bears S 48° 02' E 15.5 ft.
	thence WEST
323.5	Original location for the south end center being a mound of rocks 3 ft. high, 3 ft. base
618.57	<p style="text-align: center;">Unsur.</p> <p>Intersect the east line of <i>Knagge MS</i> at S 8° 08' E 260.92 ft. from the northeast corner thereof</p>
647.0	Cor. No. 3
	Set a granite rock 25x7x7 ins., 13 ins. in the ground for Cor. No. 3, mkd. C4-3-4221; from which
	A pine post 6 ins. diam 4 ft. long, set in the ground in a mound of rocks bears easterly 3 ft.
	A fir tree, 18 ins. diam, 60 ft. high, mkd. BT x C4-3-4221 bears WEST 9.0 ft.
	A fir tree, 10 ins. diam, 50 ft. high, mkd. BT x C4-3-4221 bears N 30° 11' E 50.6 ft.
	<p style="text-align: center;">Unsur.</p> <p>The southeast corner of <i>Knagge MS</i> bears S 15° 16' E 226.86 ft.</p>
	Cor. No. 1 of the Sunney Brook lode of this survey bears N 35° 50' E 318.6 ft.
	thence N 22° 22' E
55.44	<p style="text-align: center;">Unsur.</p> <p>Intersect the east line of <i>Knagge MS</i> at S 8° 08' E 209.12 ft. from the northeast corner thereof</p>
175.0	Cross Carter Canyon, 20 ft. wide, course easterly
200.0	Cross road, 10 ft. wide, course easterly
279.31	Intersect line 1-2 of the Sunney Brook lode of this survey at WEST 80.23 ft. from Cor. No. 1 thereof
537.74	Intersect line 4-1 of the Sunney Brook lode of this survey at N 4° 20' E 239.67 ft. from Cor. No. 1 thereof
366.0	Cross trail, 3 ft. wide, course northerly
1500.0	Cor. No. 4
	Set a granite rock, 26x15x4 ins., 16 ins. in the ground for Cor. No. 4, mkd. C4-4-4221; from which
	A pine post, 5 ins. diam, 4 ft. long, set in the ground in a mound of rocks bears easterly 3.0 ft.

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Feet

- A pine tree, 12 ins. diam, 25 ft. high, mkd. BT x C4-4-4221 bears S 87° 12' W 16.0 ft.
- A pine tree 16 ins. diam, 60 ft. high, mkd. BT x C4-4-4221 bears N 9° 56' E 13.0 ft.
- thence EAST
- 19.9 Cor. No. 2 of the Catalina # 3 lode of this survey
- 323.5 North end center, identical with the south end center of the Catalina # 3 lode of this survey
- 417.1 Intersect the west line of the SW 1/4 of the SW 1/4 of Sec. 30, T 11 S, R 16 E at N 0° 43' W 547.0 ft. from the southwest corner thereof (or Lot 2)
- 627.1 Cor. No. 1 of the Catalina # 3 lode of this survey
- 647.0 Cor. No. 1 and place of beginning.
- SUNNEY BROOK
- Beginning at Cor. No. 1 of the Sunney Brook lode
- A granite rock, 25x12x5 ins., set 14 ins. in the ground, mkd. SB-1-4221; from which
- A pine post, 5 ins. diam, 4 ft. long, set in the ground in a mound of rocks, bears Easterly 3.0 ft.
- A fir tree, 7 ins. diam, 35 ft. high, mkd. BT x SB-1-4221 bears S 85° 22' E 21.4 ft.
- A fir tree, 10 ins. diam, 50 ft. high, mkd. BT x SB-1-4221 bears N 30° 15' W 30.5 ft.
- The Cor. of Secs. 25 and 36, T 11 S, R 15 E and Secs. 30 and 31, T 11 S, R 16 E bears N 54° 15' E 995.9 ft.
- thence WEST
- 20.0 Cross trail, 3 ft. wide, course northwesterly
- 80.23 Intersect line 3-4 of the Catalina # 4 lode of this survey at N 22° 22' E 279.31 ft. from Cor. No. 3 thereof
- 195.0 Northeast corner of Knagge Mill Site, Unsur.
- 300.0 Original location for the south end center, being a mound of rocks 3 ft. high, 3 ft. base
- 507.67 Intersect line 1-2 of the Buckhorn lode of this survey, at S 26° 30' E 484.87 ft. from Cor. No. 1 thereof
- 600.0 Cor. No. 2
- Set a granite rock, 26x13x6 ins., 14 ins. in the ground for Cor. No. 2, mkd. SB-2-4221; from which
- Unsur.,
- The northwest corner of Knagge Mill, bears S 33° 00' W 76.0 ft.
- A pine post, 4 ins. diam, 4 ft. long, set in the ground in a mound of rocks bears easterly 3.0 ft.
- A pine tree, 18 ins. diam, 50 ft. high, mkd. BT x SB-2-4221 bears N 35° 12' W 79.2 ft.
- A schist ledge, 18x48 ins., 14 ins. above the ground,

Feet	
	mkd. BR x SB-2-4221 bears S 54° 46' W 6.0 ft.
	Cor. No. 1 of the Buckhorn lode of this survey bears
	N 15° 57' W 451.3 ft.
	thence N 4° 20' E
161.22	Intersect line 1-2 of the Buckhorn lode of this survey
	at S 26° 30' E 305.24 ft. from Cor. No. 1 thereof
365.00	Cross trail, 3 ft. wide, course easterly
1500.00	Cor. No. 3
	Situated on line 2-3 of the Catalina # 1 lode of this
	survey, where I
	Set a granite rock, 24x8x5 ins., 16 ins. in the ground
	for Cor. No. 3, mkd., SB-3-4221; from which
	A pine post, 6 ins. diam, 4 ft. long, set in the
	ground in a mound of rocks, bears westerly 2.7 ft.
	A fir tree, 18 ins. diam, 60 ft. high, mkd. BT x SB-3-
	4221 bears S 69° 00' E 15.2 ft.
	An aspen tree, 14 ins. diam, 60 ft. high, mkd. BT x
	SB-3-4221 bears N 34° 08' W 40.8 ft.
	thence EAST
184.2	South end center of the Catalina # 1 lode of this survey
300.0	Original location for the north end center, being a mound
	of rocks, 3 ft. high, 3 ft. base
341.4	Cor. No. 2 of the Catalina # 1 lode and Cor. No. 3 of the
	Catalina # 2 lode, both of this survey
600.0	Cor. No. 4
	Situated on line 2-3 of the Catalina # 2 lode of this
	survey, where I
	Set a granite rock, 27x12x6 ins., 15 ins. in the ground
	for Cor. No. 4, mkd. SB-4-4221; from which
	A pine post, 4 ins. diam, 4 ft. long, set in the
	ground in a mound of rocks bears Easterly 2.4 ft.
	A fir tree, 24 ins. diam, 100 ft. high, mkd. BT x SB-
	4-4221 bears S 5° 23' E 19.2 ft.
	A pine tree, 30 ins. diam, 100 ft. high, mkd. BT x
	SB-4-4221 bears N 16° 07' E 23.7 ft.
	thence S 4° 20' W
1260.33	Intersect line 3-4 of the Catalina # 4 lode of this sur-
	vey at N 22° 22' E 537.74 ft. from Cor. No. 3 thereof
1500.00	Cor. No. 1 and place of beginning.
	BUCKHORN
	Beginning at Cor. No. 1 of the Buckhorn lode
	A granite rock, 26x13x9 ins., set 16 ins. in the ground,
	mkd. B-1-4221; from which
	A pine post, 4 ins. diam, 4 ft. long, set in the ground

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Feet	
	in a mound of rocks bears Easterly 3.0 ft.
	A pine tree, 12 ins. diam, 30 ft. high, mkd. BT x B-1-4221 bears N 56° 14' W 8.0 ft.,
	A pine tree, 20 ins. diam, 40 ft. high, mkd. BT x B-1-4221 bears S 76° 45' W 29.0 ft.
	The Cor. of Secs. 25 and 36, T11 S, R 15 E and Secs. 30 and 31, T. 11 S, R 16 E bears N 84° 29' E 1539.4 ft.
	thence S 26° 30' E
62.0	Cross trail, 3 ft. wide, course easterly
305.24	Intersect line 2-3 of the Sunney Brook lode of this survey at N 4° 20' E 161.22 ft. from Cor. No. 2 thereof
484.87	Intersect line 1-2 of the Sunney Brook lode of this survey at East 92.33 ft. from Cor. No. 2 thereof
531.48	Intersect the north line of King MS at N 81° 52' E 156.16 ft. from the northwest corner, and S. 81° 52' W. 294.84 ft. from the northeast corner thereof.
584.0	Cross Carter Canyon, 15 ft. wide, course easterly
1039.35	Intersect the south line of King MS, at N' 81° 52' E 316.19 ft. from the southwest corner thereof. The northwest corner of King MS bears N 8° .08' W 482.0 ft. from the southwest corner thereof
1500.0	Cor. No. 2
	Set a granite rock, 27x14x4 ins., 15 ins. in the ground for Cor. No. 2, mkd. B-2-4221; from which
	A pine post, 4 ins. diam, 4 ft. long, set in the ground in a mound of rocks bears Easterly 3.0 ft.
	A fir tree, 8 ins. diam, 35 ft. high, mkd. BT x B-2-4221 bears S 34° 14' E 22.0 ft.
	A fir tree, 12 ins. diam, 60 ft. high, mkd. BT x B-2-4221 bears N 9° 55' E 13.0 ft.
	thence WEST
335.0	Original location for the south end center, being a mound of rocks, 3 ft. high, 3 ft. base
670.0	Cor. No. 3
	Set a granite rock, 28x14x9 ins., 15 ins. in the ground for Cor. No. 3, mkd. B-3-4221; from which
	A pine post, 4 ins. diam, 4 ft. long, set in the ground in a mound of rocks bears easterly 3.0 ft.
	A pine tree, 14 ins. diam, 50 ft. high, mkd. BT x B-3-4221 bears S 8° 13' E 13.5 ft.
	An aspen tree, 9 ins. diam, 40 ft. high, mkd. BT x B-3-4221 bears S 85° 06' E 6.5 ft.
	Unsur., The southwest corner of King MS bears N 22° 24' E 397.5 ft.
	thence N 26° 30' W
946.0	Cross Carter Canyon, 15 ft. wide, course easterly

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Feet		Acres
1500.0	<p>Cor. No. 4</p> <p>Set a granite rock, 30x12x5 ins., 15 ins. in the ground for Cor. No. 4, mkd. B-4-4221; from which</p> <p>A pine post, 4 ins. diam, 4 ft. long, set in the ground in a mound of rocks bears easterly 3.0 ft.</p> <p>A pine tree, 20 ins. diam, 60 ft. high, mkd. BT x B-4-4221 bears N 78° 16' E 10.0 ft.</p> <p>A pine tree, 16 ins. diam, 50 ft. high, mkd. BT x B-4-4221 bears S 65° 46' E 11.6 ft.</p> <p>thence EAST</p>	
335.0	<p>Original location for the north end center, being a mound of rocks, 3 ft. high, 3 ft. base.</p>	
670.0	<p>Cor. No. 1 and place of beginning.</p>	
	<p>LODE LINES</p>	
	<p>The presumed course of the vein of each of the several lode locations embraced in this survey, counted from the respective points of discovery, is as follows:-</p>	
	<p>Catalina # 1 lode, S 3° 30' W 55 ft., and N 3° 30' E 1429.5 ft.</p>	
	<p>Catalina # 2 lode, S 8° 57' W 110 ft., and N 8° 57' E 1390 ft.</p>	
	<p>Catalina # 3 lode, S 8° 57' W 10 ft., and N 8° 57' E 1490 ft.</p>	
	<p>Catalina # 4 lode, N 22° 22' E 10 ft., and S 22° 22' W 1490 ft.</p>	
	<p>Sunney Brook lode, N 4° 20' E 750 ft., and S 4° 20' W 750 ft.</p>	
	<p>Buckhorn lode, N 26° 30' W 30 ft., and S 26° 30' E 1470 ft.</p>	
	<p>AREAS</p>	
	<p>Total area, Catalina # 1 lode - - - - -</p>	17.981
	<p>Area in conflict with</p>	
	<p>Tract A - - - - -</p>	0.918
	<p>Total area, Catalina # 2 lode - - - - -</p>	20.655
	<p>Total area, Catalina # 3 lode - - - - -</p>	20.655
	<p>Area in conflict with</p>	
	<p>(or Lot 2)</p>	
	<p>SW 1/4 SW 1/4 Sec. 30, T 11 S, R 16 E - - - - -</p>	4.839
	<p>Total area, Catalina # 4 lode - - - - -</p>	20.603
	<p>Area in conflict with</p>	
	<p>(or Lot 2)</p>	
	<p>SW 1/4 SW 1/4 Sec. 30, T 11 s, R 16 E - - - - -</p>	1.431
	<p>Sunney Brook lode, this survey - - - - -</p>	0.220
	<p>Maggen Mill site, unsurveyed - - - - -</p>	0.017

MINERAL SURVEY NO. 4221, ARIZONA

	Acres
Total Area, Sunney Brook lode - - - -	20.602
Total area, Buckhorn lode - - - - -	20.648
Area in conflict with	
Sunney Brook lode, this survey - - - - -	0.170
Knagge Mill site, unsurveyed - - - - -	2.614

LOCATION

This survey is located in Secs 25 and 36, T 11 S, R 15E Unsurand Sec. 30, T 11 S, R 16 E, G & S R M & H, Arizona. In the Coronado National Forest.

The survey of each of the lode locations of this survey is identical with the amended location as marked on the ground.

EXPENDITURE OF \$500

I certify that the value of the labor and improvements placed upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or his grantors is not less than \$500, and that said improvements consist of:-

CATALINA #1.

No. 1 The discovery cut of the Catalina # 1 lode, the face of which being the discovery point, is on the center line 55 ft. from the north end center; 5 ft. wide, 13 ft. face, running S 20° E 20 ft. to face; at face is tunnel 5x7 ft. running S 45° E 23 ft. to face.
Value \$545

No. 2 An open cut, the mouth of which bears N 35° 26' W 206 ft. from Cor. No. 2 of the Catalina # 1 lode; 6 ft. wide, 13 ft. face, running S 20° E 28 ft. to face; at face of open cut is tunnel, 5x8 ft., running S 30° E 17 ft. to face
Value \$680

No. 3 An open cut, the mouth of which bears N 22° 53' W 205 ft. from Cor. No. 2 of the Catalina # 1 lode; 5 ft. wide, 10 ft. face, running S 15° E 15 ft. to face
Value \$100

No. 4 An open cut, the mouth of which bears N 14° 41' W 192 ft. from Cor. No. 2 of the Catalina # 1 lode; 6 ft. wide, 15 ft. face, running S 15° E 15 ft. to face, at face of open cut is tunnel 5x7 ft., running S 75° W 6 ft. to face
Value \$275

CATALINA #2

No. 1 The discovery cut of the Catalina # 2 lode, the face of which being the discovery point is on the center line 110 ft. from the south end center; 4 ft. wide, 10 ft. face, running WEST 12 ft. to face.
Value \$75

No. 2 An open cut, the mouth of which bears N 19° 34' E 156 ft. from Cor. No. 3 of the Catalina # 2 lode; 8 ft. wide, 16 ft. face, running S 25° E 25 ft. to face; at face of open cut is tunnel 8x8 ft., running S 35° E 16 ft. to a point; thence 4x6 ft. running S 35° E 12 ft. to breast
Value \$1056

No. 3 An open cut, the mouth of which bears N 27° 27' E 184 ft. from Cor. No. 3 of the Catalina # 2 lode; 5 ft. wide,

- 8 ft. face, running S 30° E 20 ft. to face; at face of cut is tunnel, 4x6 ft., running S 10° E 20 ft. to pt. 1; thence 4x10 ft., running S 20° E 18 ft. to pt. 2; thence 4x6 ft., running S 30° E 16 ft. to pt. 3; thence 4x6 ft., running S 30° E 10 ft. to breast. At pt. 2 is a drift 4x6 ft., running N 70° E 8 ft. to pt. 4; thence 4x6 ft., running S 20° E 13 ft. to face. At pt. 3 is a winze 4x6 ft. 11 ft. deep.
Value \$1526
- No. 4 An open cut, the mouth of which bears N 34° 10' E 234 ft. from Cor. No. 3 of the Catalina # 2 lode; 4 ft. wide, 10 ft. face, running S 20° E 12 ft. to face
Value \$75
- On the Catalina # 1 and Catalina # 2 lodes, there is 1900 feet of graded trail from the road to the main workings
Value \$190
- On the Catalina # 1 and Catalina # 2 lodes, there is 2220 feet of graded road, averaging 8 feet wide, running from the main road in Sabino Canyon to the main mine workings
Value \$888
- The value of Improvements No. 1, 2 and 4 of the Catalina # 1 lode, Improvements No. 2 and 3 of the Catalina # 2 lode, the value of the trail and the road have been included in a common improvement for the entire group. The topography of the surface of these six claims and the nature of the improvements are such that any work done at the above mentioned places tends to develop and explore the ore deposits of the entire group. Therefore a 1/6 interest in the above common improvements has been allotted to each claim of this group.
Total Value \$5160
A 1/6 interest \$860
CATALINA #3
- No. 1 The discovery cut of the Catalina # 3 lode, the face of which being the discovery point is on the center line, 10 ft. from the south end center; 4 ft. wide, 10 ft. face, running WEST 12 ft. to face
Value \$75
CATALINA #4
- No. 1 The discovery cut of the Catalina # 4 lode, the face of which being the discovery point is on the center line, 10 ft. from the north end center; 4 ft. wide, 10 ft. face, running WEST 12 ft. to face
Value \$75
SUNNEY BROOK
- No. 1 The discovery cut of the Sunney Brook lode, the face of which being the discovery point is on the center line, 750 ft. from the south end center; 5 ft. wide, 10 ft. face, running N 30° W 18 ft. to face; at face of open cut is tunnel, 4x6 ft., running N 28° W 33 ft. to pt. 1, thence 4x6 ft. running N 12° W 30 ft. to breast
Value \$806
- No. 2 An open cut, the mouth of which bears S 22° 55' W 728 ft. from Cor. No. 4 of the Sunney Brook lode; 5 ft. wide, 10 ft. face, running N 75° W 15 ft. to face (caved)
Value \$110
- No. 3 An open cut, the mouth of which bears S 21° 39' W 703 ft. from Cor. No. 4 of the Sunney Brook lode; 8 ft. wide, 10 ft. face, running N 75° W 15 ft. to face (caved)
Value \$175
- No. 4 An open cut, the mouth of which bears N 14° 07' E 707 ft. from Cor. No. 2 of the Sunney Brook lode; 6 ft. wide, 10 ft. face, running N 85° W 24 ft. to face
Value \$225

No. 5 An open cut, the mouth of which bears S 54° 00' E 276 ft. from Cor. No. 3 of the Sunney Brook lode; 5 ft. wide, 10 ft. face, running S 30° W 14 ft. to face

Value \$100

BUCKHORN

No. 1 The discovery cut of the Buckhorn lode, the face of which being the discovery point is on the center line, 30 ft. from the north end center; 7 ft. wide, 15 ft. face, running N 15° E 20 ft. to face; at face of open cut is a tunnel 4x6 ft. running N 15° E 14 ft. to face

Value \$430

On the Buckhorn and Sunney Brook lodes, there is 2320 ft. of graded trail, 3 ft. wide, running from the road in Carter Canyon to the main workings on these two lodes.

Value \$232

As the Buckhorn and the Sunney Brook lodes were located prior to the other four claims of this group and the title stood for many years in other ownership, these two claims are treated as a separate group in apportioning the value of the common improvements located on these lodes. Any work that is done in Improvement No. 1 of the Sunney Brook lode and Improvement No. 1 of the Buckhorn lode tends to equally develop the ore deposits of the other claim. Therefore a 1/2 interest in these two improvements and a 1/2 interest in the value of the trail has been allotted to the Buckhorn and Sunney Brook lodes.

Total Value \$ 1468

A 1/2 interest \$734

OTHER IMPROVEMENTS

A log cabin, 32 x 32 feet, one side bearing S 10° E, the northwest corner of which bears S 10° 00' E 271 ft. from Cor. No. 4 of the Catalina No # 1 lode; F.R. Pauli, claimant.

A frame cabin, 10 x 15 feet, long side bearing S 49° 30' E, the northeast corner of which bears S 27° 11' W 697 ft. from Cor. No. 1 of the Catalina # 2 lode. Claimant herein.

OTHER CORNER DESCRIPTIONS.

The Cor. of Secs. 25 and 36, T 11 S, R 15 E and Secs. 30 and 31, T 11 S, R 16 E is a granite rock, 10 x 12 ins., 15 ins. above the ground, marked 1 on south face and 11111 on north face.

The 1/4^{Sec.} corner between Secs. 25, T 11 S, R 15 E and 30, T 11 S, R 16 E, is a quartzite rock 10x15 ins., 6 ins. above the ground mkd. 1/4 on west face with an iron pipe having a brass cap mkd. 1/4, S 25, S 30 alongside.

The corners of the Knagge Mill Site (~~Tract B~~) are pine posts, 4 inches in diameter, set in monuments of rocks. George Knagge, claimant.

Tract A is a lot of F. R. Pauli, not monumented.

The north line of the SW 1/4 SW 1/4 of Sec. 30, T 11 S, R 16 E as determined and monumented by T. N. Stevens, Mineral Surveyor, G.L.O., was accepted as being the correct north line, since the ownership of these lode claims and the SW 1/4 SW 1/4 is the same.

(or Lot 2),

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Ralph L. Motz

United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and

boundaries described in the foregoing field notes of the survey of the mining claim of Randolph

Jenks - - known as the Catalina #1, Catalina #2, Catalina #3, Catalina #4,

~~known as the~~ Sunney Brook, and Buckhorn lodes,

and showing the respective capacities in which they acted.

~~James Chenoweth~~ _____, Chainman.

Homer C. Weed _____, Chainman.

_____, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS

We, James Chenoweth

~~and~~ Homer C. Weed, do solemnly swear that we assisted Ralph L. Motz

_____, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Randolph Jenks - - known as the Catalina #1,

Catalina #2, Catalina #3, Catalina #4, Sunney Brook, and Buckhorn

~~known as the~~ lodes,

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his

direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully

and correctly executed, and the corner and boundary monuments established according to law and the instruc-

tions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.

Homer C. Weed _____, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 9th

day of January, 1939

*My Com. expires:
February 7th 1940*

*J. Paul C. Payne
Notary Public*

FINAL OATH OF ~~U.S.~~ MINERAL SURVEYOR, G.L.O.

I, Ralph L. Motz....., ~~U.S.~~ Mineral Surveyor, G.L.O.

do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona....., dated December 13, 1938.....

I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the mining claim of Randolph Jenks known as the Catalina #1, Catalina # 2, Catalina ~~known as~~ #3 Catalina # 4, Sunney Brook and Buckhorn lodes.....

situate in Old Hat..... Mining District, Pima..... County, Arizona....., in Section s 25, 36..... Township No. 11 S......, Range No. 15 E., Unsur. 30,....., Township No. 11 S......, Range No. 16 E., G & S R M.....

and designated as Survey No. 4221....., as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Office Cadastral Engineer with said instructions, and that all corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or his..... grantors are as therein fully stated, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Ralph L. Motz
(~~U.S.~~ Mineral Surveyor) G.L.O.

Subscribed and sworn to by the said Ralph L. Motz.....
G.L.O.
~~U.S.~~ Mineral Surveyor/ before me W. H. Miescher, Notary Public.....

..... this 12.....
day of January....., 19 39

W. H. Miescher
Notary Public, in and for the
County of Cochise, State of
Arizona. My Commission Expires Feb. 3, 1941.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

March 21, 1939

I, Office Cadastral Engineer, at Phoenix, Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

Randolph Jonks

known as the CATALINA #1, CATALINA #2, CATALINA #3, CATALINA #4,
SUNNEY BROOK, and BUCKHORN lodes

situate in Old Hat

Mining District Pima County Arizona

in Sections 25 & 36, Township No. 11 S., Range No. 15 E., Unsur., &
30, Township No. 11 S., Range No. 16 E., G&SRM., and

designated as Survey No. 4221, has been correctly copied from the originals on file in

this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the *locus* thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant or his grantors,

and that said improvements consist of 16 cuts, 7 tunnels, 1 drift, 1 winze,
4220 ft. of graded trail, and 2220 ft. of graded road, total
value \$7638.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix,
Arizona is correct and in conformity with the foregoing Field Notes.

Sherman C. Fiske

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE PUBLIC SURVEY OFFICE

At Phoenix, Arizona

March 21, 1939

I, Office Cadastral Engineer at Phoenix, Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of

Randolph Jenks

, known as the

CATALINA #1, CATALINA #2, CATALINA #3, CATALINA #4, SUNNEY BROOK, and BUCKHORN lodes

situate in Old Hat mining district,

Pima County, Arizona

in Section s. 25 & 30, Township No. 11 S., Range No. 15 E., Unsur., & 30, Township No. 11 S., Range No. 16 E., G. & S. R. M

, designated as Survey No. 4221

executed by Ralph L. Motz, U. S. Mineral

Surveyor, December 19 - 30, 1938 under my instructions dated

December 13, 1938 have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

Shuman C. Fiske Office Cadastral Engineer.