

Form 4-683  
(January 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Mineral Survey number  
4633

State  
Arizona

Land District  
Arizona

FIELD NOTES

Of the Survey of the Mining Claim of *(name and address of Claimant)*

Magma Copper Company  
c/o Twitty, Sievwright & Mills  
Attorneys at Law  
Title and Trust Building  
Phoenix, Arizona 85003

Known as the *(name of group, if any)*

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
New Lake	2/4/14	
"LIFE SAVER"	5/15/16	
Horseshoe No. 3	10/29/16	
Blackfoot No. 4	10/29/16	
Silver Tip Extension No. 3	10/29/16	
Whitefoot NO. 1	1/26/17	
White Foot No. 2	2/15/17	
White-Foot No. 3	2/15/17	
Oak	2/16/17	
Oak No. 1	2/16/17	
Oak No. 3	2/16/17	
Oak No. 4	2/16/17	
Ash No. 2	4/27/25	
Ash No. 3	4/27/25	
Ash No. 8	4/27/25	
Ash No. 9	4/27/25	

Mining district Pioneer		County Pinal	
Sections 25&36 29,30,31,32	Township 1 South	Range 12 East 13 East	Meridian G&SRB&M
Survey commenced Oct. 11, 1965		Survey completed January 15, 1966	Name of Mineral Surveyor Harvey W. Smith
Survey under order dated Sept. 20, 1965			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Section  
T12N  
Range  
R10E  
County  
Adair

In the State of Missouri  
Kemper Paper Company  
No. 1212, 1213, 1214, 1215  
Adair, Missouri  
Title and Trust Building  
Adair, Missouri 64001

DESCRIPTION OF PLATS AND PLAT NUMBERS

Plat No.	Section	Acres	Remarks
1212	12	36.00	...
1213	13	36.00	...
1214	14	36.00	...
1215	15	36.00	...
1216	16	36.00	...
1217	17	36.00	...
1218	18	36.00	...
1219	19	36.00	...
1220	20	36.00	...
1221	21	36.00	...
1222	22	36.00	...
1223	23	36.00	...
1224	24	36.00	...
1225	25	36.00	...
1226	26	36.00	...
1227	27	36.00	...
1228	28	36.00	...
1229	29	36.00	...
1230	30	36.00	...
1231	31	36.00	...
1232	32	36.00	...
1233	33	36.00	...
1234	34	36.00	...
1235	35	36.00	...
1236	36	36.00	...
1237	37	36.00	...
1238	38	36.00	...
1239	39	36.00	...
1240	40	36.00	...
1241	41	36.00	...
1242	42	36.00	...
1243	43	36.00	...
1244	44	36.00	...
1245	45	36.00	...
1246	46	36.00	...
1247	47	36.00	...
1248	48	36.00	...
1249	49	36.00	...
1250	50	36.00	...

Map No. 1212-1250  
 Section 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50  
 Adair, Missouri  
 Section 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50

SURVEY NO. 4633

1.

F E E T

This survey was made with a W. & L. E. Gurley transit, No. 57289, with horizontal limb  $6\frac{1}{4}$  ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the verniers read to 30 secs. 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: (Performed as per Manual of Surveying Instructions, 1947 Ed., sec. 105.)

October 19, 1965, at Cor. No. 4 of the Oak lode, identical with Cqr. No. 4 Sur. No. 4231 Horseshoe No. 1 lode, and Cor. No. 3 Sur. No. 4231 Horseshoe No. 2 lode, in latitude  $33^{\circ}18'22''$  N., and longitude  $111^{\circ}04'46''$  W., I make a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles from a reference point approximately 1200 feet southward SE. to the sun.

Mean time of observation,  
105th meridian standard time =  $10^h 10^m$  a.m.

Declination of sun at mean  
time of observation =  $10^{\circ}04'40''$  S.

Mean observed vertical angle  
to sun's center =  $37^{\circ}48'36''$

Mean horizontal angle from  
reference point to sun's  
center =  $37^{\circ}16'52''$  S-E.

True bearing to reference  
point = S.  $1^{\circ}55'40''$  E.

The lines were measured with a Lufkin steel tape 500 feet in length, graduated every foot for 500 ft. with an added foot on the zero end graduated in tenths and hundredths; the tape was compared with a standard 100.00 ft. Invar tape at the time of beginning the survey, and found correct.

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  $13\frac{1}{2}^{\circ}$  E.

SURVEY NO. 4633

NEW LAKE LODE

Beginning at Cor. No. 1 of the New Lake Lode, identical with Cor. No. 4 of the "LIFE SAVER" Lode of this survey.

Set a brass tablet, 2 ins. diam.,  $2\frac{1}{2}$  in. stem, grouted into a dacite rock in place, with top marked NL-1-LS-4-4633; from which

The cor. of Secs. 25 and 36, T. 1 S., R. 12 E., and Secs. 30 and 31, T. 1 S., R. 13 E., G&SRM., bears N.  $41^{\circ}16'46''$  E., 1,144.40 ft. dist.; an iron pipe 2 in. diam., 18 ins.



FEET	above ground, firmly set, marked as described in the official record.
	<p>Cor. No. 3 Sur. No. 4150 Spring Lode bears S. <math>64^{\circ}31'</math> W., 300.05 ft. dist.</p> <p>Cor. No. 2 Sur. No. 4502 Magma Lode, identical with Cor. No. 3 Sur. No. 4502 Magma No. 1 Lode, bears S. <math>22^{\circ}16'48''</math> W., 217.15 ft. dist.</p> <p>Cor. No. 3 of the Oak lode, identical with Cor. No. 4 of the Oak No. 3 Lode, both of this survey, bears S. <math>57^{\circ}16'</math> W., 383.84 ft. dist.</p> <p>Thence S. <math>17^{\circ}16'30''</math> E.</p>
3.43	Intersect line 2-3 Sur. No. 4150 Spring Lode, at a point from which Cor. No. 3 bears S. $65^{\circ}10'$ W., 299.58 ft. dist.
15.00	Center of Queen Creek, 20 ft. wide, course S. $45^{\circ}$ W.
94.00	Power line bears N. $61^{\circ}$ E. and S. $61^{\circ}$ W.
164.00	Power line bears N. $2^{\circ}$ E. and S. $2^{\circ}$ W.
234.28	Intersect line 2-3 Oak Lode identical with line 4-1 Oak No. 3 Lode, both of this survey.
301.93	Lode line; discovery point bears S. $65^{\circ}12'50''$ W., 975 ft. dist.
586.85	<p>Cor. No. 2, identical with Cor. No. 3 "LIFE SAVER" Lode of this survey.</p> <p>Set an iron post, 24 ins. long, <math>3/4</math> ins. diam., 18 ins. in the ground and in a concrete base, with brass cap mkd. NL-2-LS-3-4633; from which</p> <p>Cor. No. 3 Sur. No. 4502 Magma lode bears S. <math>39^{\circ}43'</math> W., 310.91 ft. dist.</p> <p>Cor. No. 3 of the Oak No. 3 Lode of this survey bears S. <math>62^{\circ}36'10''</math> W., 537.21 ft. dist.</p> <p>Thence S. <math>64^{\circ}36'</math> W.</p>
234.76	Intersect line 2-3 Sur. No. 4502 Magma Lode at a point from which Cor. No. 2 bears N. $5^{\circ}31'40''$ W., 462.29 ft. dist.
528.78	Intersect line 3-4 Oak No. 3 Lode of this survey.
578.22	Intersect line 3-4 Sur. No. 4502 Magma Lode at a point from which Cor. No. 4 bears S. $88^{\circ}25'48''$ W., 1,176.11 ft. dist.
1502.04	<p>Cor. No. 3</p> <p>Set an iron post, 24 ins. long, <math>3/4</math> in. diam., 18 ins. in the ground and in a concrete base, with brass cap mkd. NL-3-4633.</p> <p>Thence N. <math>17^{\circ}16'30''</math> W.</p>

FEET	
260.00	Center of Queen Creek, 40 ft. wide, course S. 60° W.
301.15	Lode line; discovery point bears N. 65°12'50" E., 524.84 ft. dist.
373.00	Power line, bears N. 85° E. and S. 85° W.
387.72	Intersect line 3-4 Sur. No. 4502 Magma lode at a point from which Cor. No. 4 bears S. 88°25'48" W., 226.10 ft. dist.
601.84	Cor. No. 4  Set an iron post, 24 ins. long, 3/4 in. diam., 15 ins. in the ground and in a concrete base, with brass cap mkd. NL-4-4633; from which  Cor. No. 4 Sur. No. 4502 Magma lode bears S. 37°38' W., 266.01 ft. dist.  Thence N. 65°10' E.
425.00	Pipeline, 10 ins. diam., bears N. 70° W. and S. 70° E.
584.00	Power line, bears S. 79°30' E. and N. 79°30' W.
997.02	Intersect line 1-2 Sur. No. 4502 Magma lode, identical with line 3-4 Sur. No. 4502 Magma No. 1 lode, at a point from which Cors. Nos. 2 and 3 respectively bears N. 88°25'28" E., 374.27 ft. dist.
1142.07	Intersect line 3-4 Oak lode of this survey.
1173.00	Pipeline, 10 ins. diam., bears N. and S.
1202.31	Intersect line 3-4 Sur. No. 4150 Spring lode at a point from which Cor. No. 3 bears S. 9°40'30" W., 4.13 ft. dist.
1392.64	Intersect line 2-3 Sur. No. 4502 Magma No. 1 lode at a point from which Cor. No. 3, identical with Cor. No. 2 Sur. No. 4502 Magma lode bears S. 5°31'40" E., 156.60 ft. dist.
1500.00	Cor. No. 1 and the place of beginning.
<b>"LIFE SAVER" LODE</b>	
Beginning at Cor. No. 1 of the "LIFE SAVER" lode	
Set an iron post, 2 ft. long, 3/4 ins. diam., 11 ins. in the ground and in a concrete base, with brass cap mkd. LS-1-4633; from which	
The cor. of Secs. 25 and 36, T. 1 S., R. 12 E., and Secs. 30 and 31, T. 1 S., R. 13 E., G&SRB&M, bears S. 80°23'21" W., 423.52 ft. dist.; previously described.	
Cor. No. 1 Sur. No. 4231 Silver Tip Extension No. 2 lode, identical with Cor. No. 1 Sur. No. 4231 Horseshoe No. 2 lode, and with Cor. No. 1 of the Horseshoe No. 3 lode of this survey, bears S. 88°38' W., 47.17 ft. dist.	

FEET	
	Cor. No. 5 Sur. No. 4231 Silver Tip Extension No. 2 lode, identical with Cor. No. 1 of the Silver Tip Extension No. 3 lode and Cor. No. 2 of the Horseshoe No. 3 lode, both of this survey, bears N. 88°12'20" E., 100.57 ft. dist. Thence S. 17°16'30" E.
145.00	Center of U. S. Highway No. 60-70, bears N. 64° E. and S. 64° W., average width 36'.
300.23	Lode line; discovery point bears S. 51°30' W., 250 ft. dist.
315.00	Center of Queen Creek, 20 ft. wide, course S. 55° W.
333.00	Power line, bears N. 60°30' E. and S. 60°30' W.
600.46	Cor. No. 2. Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. LS-2-4633; from which Cor. No. 2, Sur. No. 4231 Horseshoe No. 2 lode, identical with Cor. No. 1 Oak lode, Cor. No. 1 Oak No. 1 lode, and Cor. No. 5 Horseshoe No. 3 lode, all of this survey, bears S. 82°34'20" W., 207.23 ft. dist. Thence S. 52°02'48" W.
36.18	Intersect line 4-5 Horseshoe No. 3 lode identical with line 1-2 Oak No. 1 lode, both of this survey.
255.05	Intersect line 1-2 Oak lode, identical with line 4-1 Oak No. 1 lode, both of this survey.
978.93	Intersect line 2-3 Oak lode, identical with line 4-1 Oak No. 3 lode, both of this survey.
1492.22	Cor. No. 3, identical with Cor. No. 2 of the New Lake lode of this survey, previously described. Thence N. 17°16'30" W.
284.92	Lode line; discovery point bears N. 51°30' E., 1247.70 ft. dist.
352.57	Intersect line 2-3 Oak lode, identical with line 4-1 Oak No. 3 lode, both of this survey.
422.85	Power line, bears N. 2° E. and S. 2° W.
492.85	Power line, bears N. 61° E. and S. 61° W.
571.85	Center of Queen Creek, 20 ft. wide, course S. 45° W.
583.42	Intersect line 2-3 Sur. No. 4150 Spring lode, at a point from which Cor. No. 2 bears N. 65°10' E., 300.62 ft. dist.
586.85	Cor. No. 4, identical with Cor. No. 1 of the New Lake



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FEET	
	<p>lode of this survey, previously described.</p> <p>Thence N. 51°33'34" E.</p>
20.00	Enter Queen Creek, 40 ft. wide, course S. 60° W.
150.00	Power line; bears N. 28° E. and S. 28° W.
220.00	Leave Queen Creek, 40 ft. wide, course S. 50° W.
373.37	Intersect line 1-2 Sur. No. 4150 Spring lode at a point from which Cor. No. 2 bears S. 9°40'30" W., 110.73 ft. dist.
577.95	Intersect line 4-1 Oak lode of this survey, identical with line 2-3 Sur. No. 4231 Horseshoe No. 2 lode at a point from which Cor. No. 2 bears S. 87°37'25" E., 693.31 ft. dist.
1040.00	Center of U. S. Highway No. 60-70 bears N. 86° E. and S. 86° W., average width 36'.
1438.37	Intersect line 5-1 Horseshoe No. 3 lode of this survey, identical with line 1-2 Sur. No. 4231 Horseshoe No. 2 lode at a point from which Cor. No. 2 Sur. No. 4231 of the Horseshoe No. 2 lode, identical with Cor. No. 5 of the Horseshoe No. 3 lode, Cor. No. 1 of the Oak lode and Cor. No. 1 of the Oak No. 1 lode, all of this survey, bears S. 1°54'40" E., 563.98 ft. dist.
1497.07	Cor. No. 1 and the place of beginning.
	<p><b>HORSESHOE NO. 3 LODE</b></p>
	<p>Beginning at Cor. No. 1 of the Horseshoe No. 3 lode, identical with Cor. No. 1 Sur. No. 4231 Horseshoe No. 2 lode, and Cor. No. 1 Sur. No. 4231 Silver Tip Extension No. 2 lode</p> <p>An iron post, 1¼ ins. diam., 15 ins. above ground, firmly set, with brass cap properly marked; I stamp the following marks on the brass cap: H 3-1-4633; from which</p> <p>The cor. of Secs. 25 and 36, T. 1 S., R. 12 E., and Secs. 30 and 31, T. 1 S., R. 13 E., G&amp;SRB&amp;M, bears S. 79°21'36" W., 376.90 ft. dist., previously described.</p>
	Thence N. 88°20'38" E.
147.74	Cor. No. 2, identical with Cor. No. 5 Sur. No. 4231 Silver Tip Extension No. 2 lode, and Cor. No. 1 of the Silver Tip Extension No. 3 lode of this survey.
	<p>An iron post; 1¼ ins. diam., 12 ins. above ground, firmly set, with brass cap properly marked; I stamp the following marks on the brass cap: H 3-2-STE 3-1-4633.</p> <p>Thence N. 88°39'52" E.</p>
263.00	Center of U. S. Highway No. 60-70, bears N. 64° E. and S. 64° W., average width 36'.
555.00	Center of Queen Creek, 35 ft. wide, course S. 70° W.
595.00	Power line, bears N. 60°30' E. and S. 60°30' W.

FEET	
1342.18	<p>Cor. No. 3, identical with Cor. No. 5 of the Silver Tip Extension No. 3 lode of this survey.</p> <p>Set an iron post, 2 ft. long, 3/4 ins. diam., 14 ins. in the ground and in a concrete base, with brass cap mkd. H 3-3-STE 3-5-4633.</p> <p>Thence S. 1°54'40" E.</p>
296.84	<p>Lode Line; discovery point bears S. 88°30'40" W., 675 ft. dist.</p>
596.71	<p>Cor. No. 4, identical with Cor. No. 2 of the Oak No. 1 lode of this survey.</p> <p>Set a brass tablet, 2 ins. diam., 2 1/2 ins. stem grouted into dacite ledge rock, with top mkd. H 3-4 OAK 1-2-4633:</p> <p>Thence S. 88°31'48" W.</p>
1312.88	<p>Intersect line 2-3 "LIFE SAVER" lode of this survey.</p>
1489.90	<p>Cor. No. 5, identical with Cor. No. 2 Sur. No. 4231 Horseshoe No. 2 lode, Cor. No. 1 Oak lode and Cor. No. 1 Oak No. 1 lode, both of this survey.</p> <p>An iron post, 1 1/4 ins. diam., 12 ins. above ground, firmly set, with brass cap properly marked; I stamp the following marks on the brass cap: H 3-5-OAK-1-OAK 1-1-4633.</p> <p>Thence N. 1°54'40" W.</p>
185.00	<p>Center of Queen Creek, 40 ft. wide, course S. 50° W.</p>
200.00	<p>Power line, bears N. 60°30' E. and S. 60°30' W.</p>
299.37	<p>Lode line; discovery point bears N. 88°30'40" E., 814.90 ft. dist.</p>
415.00	<p>Center of U. S. Highway No. 60-70, bears N. 64° E. and S. 64° W., average width 36'.</p>
563.98	<p>Intersect line 4-1 "LIFE SAVER" lode of this survey.</p>
599.37	<p>Cor. No. 1 and the place of beginning.</p>
<b>BLACKFOOT NO. 4 LODE</b>	
<p>Beginning at Cor. No. 1 of the Blackfoot No. 4 lode, identical with Cor. No. 4 Sur. No. 4231 Silver Tip Extension No. 2 lode, Cor. No. 4 Sur. No. 4501 Blackfoot No. 3 lode, and Cor. No. 2 of the Silver Tip Extension No. 3 lode of this survey.</p>	



FEET	
	<p>An iron post, <math>1\frac{1}{4}</math> ins. diam., 10 ins. above ground, with brass cap properly marked; I stamp the following marks on the brass cap: B 4-1-STE 3-2-4633; from which</p> <p>The cor. of Secs. 25 and 36, T. 1 S., R. 12 E., and Secs. 30 and 31, T. 1 S., R. 13 E., G&amp;SRB&amp;M, bears S. <math>37^{\circ}08'15''</math> W., 831.53 ft. dist., previously described.</p> <p>Thence N. <math>1^{\circ}36'00''</math> W.</p>
299.88	Lode line; discovery point bears N. $88^{\circ}31'45''$ E., 810 ft. dist.
598.12	<p>Cor. No. 2, identical with Cor. No. 4 of the White-Foot No. 3 lode of this survey, and on line 3-4 Sur. No. 4501 Blackfoot No. 3 lode.</p> <p>Set an iron post, 2 ft. long, <math>\frac{3}{4}</math> ins. diam., 16 ins. in the ground, with brass cap mkd. B 4-2-W 3-4-4633.</p> <p>Thence N. <math>88^{\circ}32'40''</math> E.</p>
1493.60	<p>Cor. No. 3, identical with Cor. No. 3 of the White-Foot No. 3 lode of this survey.</p> <p>Set a brass tablet, 2 ins. diam., <math>2\frac{1}{2}</math> ins. stem, grouted into dacite ledge rock, with top mkd. B 4-3-W 3-3-4633.</p> <p>Thence S. <math>1^{\circ}36'00''</math> E.</p>
297.83	Lode line; discovery point bears S. $88^{\circ}31'45''$ W., 683.60 ft. dist.
550.00	Center of U. S. Highway No. 60-70, bears S. $56^{\circ}$ W. and N. $56^{\circ}$ E., average width 36'.
597.83	<p>Cor. No. 4, identical with Cor. No. 3 of the Silver Tip Extension No. 3 lode of this survey.</p> <p>Set an iron post, 2 ft. long, <math>\frac{3}{4}</math> ins. diam., 20 ins. in the ground and in a concrete base, with brass cap mkd. B 4-4-STE 3-3-4633.</p> <p>Thence S. <math>88^{\circ}32'00''</math> W.</p>
.80.00	Center of U. S. Highway No. 60-70, bears S. $56^{\circ}$ W. and N. $56^{\circ}$ E., average width 36'.
1493.59	Cor. No. 1 and the place of beginning.
<p><b>SILVER TIP EXTENSION NO. 3 LODE</b></p> <p>Beginning at Cor. No. 1 of the Silver Tip Extension No. 3 lode, identical with Cor. No. 5 Sur. No. 4231 Silver Tip Extension No. 2 lode, and Cor. No. 2 of the Horse-shoe No. 3 lode of this survey; previously described, from which</p>	

FEET	
	<p>The Cor. of Secs. 25 and 36, T. 1 S., R. 12 E., and Secs. 30 and 31, T. 1 S., R. 13 E., G&amp;SRB&amp;M, bears S. 81°53'12" W., 523.34 ft. dist., previously described.</p> <p>Thence N. 1°33'50" W.</p>
292.35	<p>Lode line; discovery point bears N. 88°32'00" E., 810 ft. dist.</p>
589.25	<p>Cor. No. 2, identical with Cor. No. 4 Sur. No. 4231 Silver Tip Extension No. 2 lode, Cor. No. 4 Sur. No. 4501 Blackfoot No. 3 lode, and Cor. No. 1 of the Blackfoot No. 4 lode of this survey, previously described.</p> <p>Thence N. 88°32'00" E.</p>
1413.59	<p>Center of U. S. Highway No. 60-70 bears S. 56° W. and N. 56° E., average width 36'</p>
1493.59	<p>Cor. No. 3, identical with Cor. No. 4 of the Blackfoot No. 4 lode of this survey, previously described.</p> <p>Thence S. 1°33'50" E.</p>
125.00	<p>Center of Queen Creek, 30 ft. wide, course S. 45° W.</p>
196.00	<p>Power line, bears N. 66° E. and S. 66° W.</p>
296.90	<p>Lode line; discovery point bears S. 88°32' W., 683.59 ft. dist.</p>
592.29	<p>Cor. No. 4</p> <p>Set an iron post, 2 ft. long, 3/4 ins. diam., 18 ins. in the ground, with brass cap mkd. STE 3-4-4633; from which</p> <p>The Angle Point on the section line between Secs. 29 and 32, T. 1 S., R. 13 E., G&amp;SRB&amp;M, bears S. 81°49'05" E., 532.75 ft. dist.; an iron post, 3 ft. long, 1 in. diam., surrounded by a mound of stone, with brass cap mkd. as described in the official record.</p> <p>Thence S. 88°31'30" W.</p>
151.43	<p>Cor. No. 5, identical with Cor. No. 3 of the Horseshoe No. 3 lode of this survey, previously described.</p> <p>Thence S. 88°39'52" W.</p>
747.18	<p>Power line, bears N. 60°30' E. and S. 60°30' W.</p>
787.18	<p>Center of Queen Creek, 35 ft. wide, course S. 70° W.</p>
1079.18	<p>Center of U. S. Highway No. 60-70; bears N. 64° E. and S. 64° W., average width 36'.</p>
1342.18	<p>Cor. No. 1 and the place of beginning.</p>

FEET	WHITEFOOT NO. 1 LODE
	<p>Beginning at Cor. No. 1 of the Whitefoot NO. 1 lode, identical with Cor. No. 3 of the Ash No. 2 lode and Cor. No. 4 of the White Foot No. 2 lode, all of this survey,</p> <p>Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. W 1-1-W 2-4-ASH 2-3-4633; from which</p> <p>The ¼ sec. cor. of Sec. 25, T. 1 S., R. 12 E., and Sec. 30, T. 1 S., R. 13 E., G&amp;SRB&amp;M, bears N. 52°26' E., 1295.76 ft. dist.; an iron post, 2 ins. diam., 15 ins. above ground, surrounded by a mound of stone, with brass cap marked as described in the official record.</p> <p>Thence S. 1°34'20" E.</p>
300.00	<p>Lode line; discovery point bears S. 88°25'06" W., 1386.47 ft. dist.</p>
500.19	<p>Cor. No. 2, identical with Cor. No. 3 Sur. No. 4501 Blackfoot No. 2 lode, Cor. No. 2 Sur. No. 4501 Blackfoot No. 3 lode, and Cor. No. 3 of the White Foot No. 2 lode of this survey.</p> <p>An iron post, ¾ ins. diam., 8 ins. above ground, firmly set, with brass cap properly marked; I stamp the following marks on the brass cap: W 1-2-W 2-3-4633.</p> <p>Thence S. 88°46'43" W.</p>
1480.76	<p>Intersect Cor. No. 2 Sur. No. 4501 Blackfoot No. 2 lode.</p>
1486.50	<p>Cor. No. 3</p> <p>Set a brass tablet, 2 ins. diam., 2½ ins. stem grouted into ledge rock, with top mkd. W 1-3-4633.</p> <p>Thence N. 1°34'20" W.</p>
190.84	<p>Lode line; discovery point bears N. 88°25'06" E., 100 ft. dist.</p>
488.65	<p>Cor. No. 4</p> <p>Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. W 1-4-4633.</p> <p>Thence N. 88°20' E.</p>
1486.47	<p>Cor. No. 1 and the place of beginning.</p>



FEET	OAK LODGE
	Beginning at Cor. No. 1 of the Oak Lode, identical with Cor. No. 2 Sur. No. 4231 Horseshoe No. 2 lode, Cor. No. 5 of the Horseshoe No. 3 lode, and Cor. No. 1 of the Oak No. 1 lode, both of this survey; previously described, from which The cor. of Secs. 25 and 36, T. 1 S., R. 12 E., and Secs. 30 and 31, T. 1 S., R. 13 E., G&SRB&M, bears N. 36°24' 14" W., 657.82 ft. dist., previously described. Thence S. 1°55'40" E.
130.15	Intersect line 2-3 "LIFE SAVER" lode of this survey.
299.77	Lode line; discovery point bears N. 87°38'15" W., 35 ft. dist.
599.77	Cor. No. 2, identical with Cor. No. 4 of the Oak No. 1 lode, Cor. No. 1 of the Oak No. 3 lode, and Cor. No. 1 of the Oak No. 4 lode, all of this survey. Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. OAK-2-OAK 1-4-OAK 3-1-OAK 4-1-4633. Thence N. 87°38'29" W.
587.05	Intersect line 2-3 "LIFE SAVER" lode of this survey.
1096.93	Intersect line 3-4 "LIFE SAVER" lode, identical with line 1-2 New Lake lode, both of this survey.
1128.00	Power line, bears N. 30° E. and S. 30° W.
1200.00	Center of Queen Creek, 40 ft. wide, course South.
1247.37	Intersect line 2-3 Sur. No. 4502 Magma lode at a point from which Cor. No. 2 bears N. 5°31'40" W., 16.67 ft. dist.
1360.00	Power line, bears N. 61° E. and S. 61° W.
1469.00	Pipe line, 10 ins. diam., bears N. and S.
1489.74	Cor. No. 3, identical with Cor. No. 4 of the Oak No. 3 lode of this survey. On line 1-2 Sur. No. 4502 Magma lode, identical with line 3-4 Sur. No. 4502 Magma No. 1 lode. Set an iron post, 2 ft. long, ¾ ins. diam., 15 ins. in the ground, and in a concrete base, with brass cap mkd. OAK 3-4-OAK-3-4633; from which Cor. No. 3, Sur. No. 4150 Spring lode bears N. 33°31'15" E., 94.14 ft. dist. Cor. No. 2 Sur. No. 4502 Magma lode, identical with Cor. No. 3 Sur. No. 4502 Magma No. 1 lode bears N. 88°25'28" E., 240.65 ft. dist. Thence N. 1°55'40" W.

FEET	
57.26	Intersect line 4-1 of the New Lake lode of this survey.
300.10	Lode line; discovery point bears S. $87^{\circ}38'15''$ E., 1454.75 ft. dist.
510.00	Centerline of Tunnel on U. S. Highway No. 60-70, course S. $69^{\circ}$ W. and N. $69^{\circ}$ E., average width 36', tunnel adit bears N. $69^{\circ}$ E., 40 ft. dist.
600.23	<p>Cor. No. 4, identical with Cor. No. 4 Sur. No. 4231                      Horseshoe No. 1 lode and Cor. No. 3 Sur. No. 4231                      Horseshoe No. 2 lode, and on line 1-2 Sur. No. 4502                      Magma No. 1 lode.</p> <p>An iron post 2 ins. diam., 18 ins. above ground,                      with brass cap properly marked; 1 stamp the fol-                      lowing marks on the brass cap; OAK 4-4633; from                      which</p> <p>Cor. No. 2 Sur. No. 4502 Magma No. 1 lode                      bears N. <math>88^{\circ}27'</math> E., 202.87 ft. dist.</p> <p>A dacite ledge, 37 x 48 ins., 22 ins. above                      ground, bears S. <math>87^{\circ}35'</math> E., 5.1 ft. dist.,                      mkd. X BR H1-4-4231.</p> <p>A dacite ledge, 50 x 145 ins., 72 ins. above                      ground, bears S. <math>61^{\circ}52'</math> W., 25 ft. dist.,                      mkd. X BR H1-4-4231.</p> <p>Thence S. <math>87^{\circ}37'25''</math> E.</p>
160.12	Intersect line 3-4 Sur. No. 4150 Spring lode at a point from which Cor. No. 3 bears S. $9^{\circ}40'30''$ W., 522.23 ft. dist.
204.32	Intersect line 2-3 Sur. No. 4502 Magma No. 1 lode at a point from which Cor. No. 3 bears S. $5^{\circ}31'40''$ E., 587.54 ft. dist.
217.00	Center of U. S. Highway No. 60-70, bears N. $69^{\circ}$ E. and S. $69^{\circ}$ W., average width 36'.
320.00	Pipe line, 10 ins. diam., bears N. $60^{\circ}$ E. and S. $55^{\circ}$ W.
490.00	Culvert, 108 in. corrugated metal, carrying 10 ins. diam. pipeline and electrical conduit under U. S. High- way No. 60-70, bears N. $21^{\circ}$ W. and S. $21^{\circ}$ E.
658.75	Intersect line 1-2 Sur. No. 4150 Spring lode at a point from which Cor. No. 2 bears S. $9^{\circ}40'30''$ W., 245.55 ft. dist.
796.45	Intersect line 4-1 "LIFE SAVER" lode of this survey.
950.00	Enter Queen Creek, Course East and West.
1150.00	Powerline, bears N. $61^{\circ}$ E. and S. $61^{\circ}$ W.
1225.00	Leave Queen Creek, Course S. $80^{\circ}$ W. and N. $70^{\circ}$ E.
1489.76	Cor. No. 1 and the place of beginning.

FEET	
	<b>OAK NO. 1 LODE</b>
	Beginning at Cor. No. 1 of the Oak No. 1 lode, identical with Cor. No. 2 Sur. No. 4231 Horseshoe No. 2 lode, Cor. No. 5 of the Horseshoe No. 3 lode, and Cor. No. 1 of the Oak lode, both of this survey, previously described.
	Thence N. 88°31'48" E.
177.02	Intersect line 2-3 "LIFE SAVER" lode of this survey.
1489.90	Cor. No. 2, identical with Cor. No. 4 of the Horseshoe No. 3 lode of this survey, previously described.
	Thence S. 1°55'40" E.
298.51	Lode line; discovery point bears S. 88°28'54" W., 150 ft. dist.
596.70	Cor. No. 3, identical with Cor. No. 2, Oak No. 4 lode of this survey.
	Set an iron post, 2 ft. long, 3/4 ins. diam., 12 ins. in the ground and in a concrete base, with brass cap mkd. OAK 1-3-OAK 4-2-4633; from which
	The Angle Point on the section line between Secs. 31 and 32, T. 1 S., R. 13 E., G&SRB&M, bears N. 72°26'07" W., 573.82 ft. dist.; an iron post, 3 ft. long, 1 in. diam., surrounded by a mound of stone, with brass cap mkd. as described in the official record.
	Thence S. 88°24'43" W.
1489.87	Cor. No. 4 identical with Cor. No. 2 Oak lode, Cor. No. 1 Oak No. 3 lode, and Cor. No. 1 Oak No. 4 lode of this survey, previously described.
	Thence N. 1°55'40" W.
300.00	Lode line; discovery point bears N. 88°28'54" E., 1339.89 ft. dist.
469.62	Intersect line 2-3 "LIFE SAVER" lode of this survey.
599.77	Cor. No. 1 and the place of beginning.
	<b>OAK NO. 3 LODE</b>
	Beginning at Cor. No. 1 of the Oak No. 3 lode, identical with Cor. No. 2 Oak lode, Cor. No. 4 Oak No. 1 lode, and Cor. No. 1 Oak No. 4 lode of this survey, previously described, from which
	The cor. of Secs. 25 and 36, T. 1 S., R. 12 E., and Secs. 30 and 31, T. 1 S., R. 13 E., G&SRB&M, bears N. 19°59'13" W., 1201.22 ft. dist., previously described.
	Thence S. 1°55'40" E.



FEET	
300.00	Lode line; discovery point bears N. 87°38'30" W., 60 ft. dist.
600.00	Cor. No. 2 identical with Cor. No. 4 Oak No. 4 lode of this survey.  Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. OAK 3-2-OAK 4-4-4633.  Thence N. 87°39'20" W.
1489.70	Cor. No. 3  Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. OAK 3-3-4633; from which  Cor. No. 3 Sur. No. 4502 Magma lode bears N. 88°20'45" E., 278.41 ft. dist.  Thence N. 1°55'40" W.
0.41	Intersect line 3-4 Sur. No. 4502 Magma lode at a point from which Cor. No. 3 bears N. 88°25'48" E., 278.41 ft. dist.
20.39	Intersect line 2-3 New Lake lode of this survey.
70.00	Center of Queen Creek, 20 ft. wide, course S. 85° W.
150.00	Powerline, bears N. 49° E. and S. 49° W.
300.37	Lode line; discovery point bears S. 87°38'30" E., 1429.74 ft. dist.
510.00	Pipeline, 10 ins. diam., bears N. 15° E. and S. 15° W.
520.00	Power line bears N. 61° E. and S. 61° W.
600.37	Cor. No. 4, identical with Cor. No. 3 of the Oak lode of this survey, and on line 1-2 Sur. No. 4502 Magma lode, identical with line 3-4 Sur. No. 4502 Magma No. 1 lode, from which Cors. Nos. 2 and 3, respectively, bears N. 88°25'28" E., 240.65 ft. dist.  Thence S. 87°38'29" E.
20.74	Pipeline, 10 ins. diam., bears N. and S.
129.74	Power line, bears N. 61° E. and S. 61° W.
242.37	Intersect line 2-3 Sur. No. 4502 Magma lode at a point from which Cor. No. 3 bears S. 5°31'40" E., 584.73 ft. dist.
289.74	Center of Queen Creek, 40 ft. wide, course S.
361.74	Power line, bears N. 30° E. and S. 30° W.
392.81	Intersect line 1-2 New Lake lode, identical with line 3-4 "LIFE SAVER" lode, both of this survey.
902.69	Intersect line 2-3 "LIFE SAVER" lode of this survey.
1489.74	Cor. No. 1 and the place of beginning.

FEET	
	<b>OAK NO. 4 LODE</b>
	Beginning at Cor. No. 1 of the Oak No. 4 lode, identical with Cor. No. 2 Oak lode, Cor. No. 4 Oak No. 1 lode, and Cor. No. 1 Oak No. 3 lode of this survey, previously described.
	Thence N. $88^{\circ}24'43''$ E.
1489.87	Cor. No. 2, identical with Cor. No. 3 of the Oak No. 1 lode of this survey, previously described.
	Thence S. $1^{\circ}55'40''$ E.
297.64	Lode line; discovery point bears S. $88^{\circ}19'16''$ W., 200 ft. dist.
597.69	Cor. No. 3
	Set an iron post, 2 ft. long, $\frac{3}{4}$ ins. diam., $\frac{1}{4}$ ins. in the ground and in a concrete base, with brass cap mkd. OAK 4-3-4633.
	Thence S. $88^{\circ}19'23''$ W.
1489.86	Cor. No. 4, identical with Cor. No. 2 of the Oak No. 3 lode of this survey, previously described.
	Thence N. $1^{\circ}55'40''$ W.
300.00	Lode line; discovery point bears N. $88^{\circ}19'16''$ E., 1289.86 ft. dist.
600.00	Cor. No. 1 and the place of beginning.
<hr/> <b>WHITE FOOT NO. 2 LODE</b>	
	Beginning at Cor. No. 1 of the White Foot No. 2 lode, identical with Cor. No. 1 White-Foot No. 3 lode, Cor. No. 2 Ash No. 2 lode, and Cor. No. 4 Ash No. 3 lode, all of this survey.
	Set a brass tablet, 2 ins. diam., $2\frac{1}{2}$ ins. stem, grouted into dacite ledge rock, with top mkd. W 2-1W 3-1-ASH 2-2-ASH 3-4-4633; from which
	The $\frac{1}{4}$ cor. of Sec. 25, T. 1 S., R. 12 E., and Sec. 30, T. 1 S., R. 13 E., G&SRB&M, bears N. $31^{\circ}34'39''$ W., 888.29 ft. dist., previously described.
	Thence S. $1^{\circ}34'20''$ E.
300.00	Lode line; discovery point bears S. $88^{\circ}48'$ W., 1192.51 ft. dist.
596.50	Cor. No. 2, identical with Cor. No. 3 Sur. No. 4501 Blackfoot No. 3 lode, and on line 4-1 of the White-Foot No. 3 lode of this survey.
	An iron post, $\frac{3}{4}$ ins. diam., 12 ins. above ground, with brass cap properly marked; 1 stamp the

FEET	
	<p>following marks on the brass cap: W 2-2-4633.</p> <p>Thence N. 87°26' W.</p>
1496.33	<p>Cor. No. 3; identical with Cor. No. 3 Sur. No. 4501 Blackfoot No. 2 lode, Cor. No. 2 Sur. No. 4501 Blackfoot No. 3 lode, and Cor. No. 2 Whitefoot No. 1 lode of this survey, previously described:</p> <p>Thence N. 1°34'20" W.</p>
200.19	<p>Lode line; discovery point bears N. 88°48' E., 300 ft. dist.</p>
500.19	<p>Cor. No. 4, identical with Cor. No. 1 Whitefoot No. 1 lode, and Cor. No. 3 of the Ash No. 2 lode, both of this survey, previously described.</p> <p>Thence N. 88°48' E.</p>
1492.51	<p>Cor. No. 1 and place of beginning.</p>
<p>WHITE-FOOT NO. 3 LODE</p>	
	<p>Beginning at Cor. No. 1 of the White-Foot No. 3 lode, identical with Cor. No. 1 White Foot No. 2 lode, Cor. No. 2 Ash No. 2 lode, and Cor. No. 4 Ash No. 3 lode, all of this survey, previously described.</p> <p>Thence N. 88°30'34" E.</p>
1493.61	<p>Cor. No. 2, identical with Cor. No. 3 of the Ash No. 3 lode of this survey.</p> <p>Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. W 3-2-ASH 3-3-4633.</p> <p>Thence S. 1°34'20" E.</p>
300.00	<p>Lode line; discovery point bears S. 88°30'34" W., 25 ft. dist.</p>
600.00	<p>Cor. No. 3, identical with Cor. No. 3 of the Blackfoot No. 4 lode of this survey; previously described.</p> <p>Thence S. 88°32'40" W.</p>
1493.60	<p>Cor. No. 4, identical with Cor. No. 2 of the Blackfoot No. 4 lode of this survey, and on line 3-4 Sur. No. 4501 Blackfoot No. 3 lode; previously described.</p> <p>Thence N. 1°34'20" W.</p>
3.50	<p>Intersect Cor. No. 3 Sur. No. 4501 Blackfoot No. 3 lode, identical with Cor. No. 2 of the White Foot No. 2 lode of this survey.</p>
300.00	<p>Lode line; discovery point bears N. 88°30'34" E., 1468.61 ft. dist.</p>
600.00	<p>Cor. No. 1 and the place of beginning.</p>



FEET	
	ASH NO. 2 LODE
	Beginning at Cor. No. 1 of the Ash No. 2 lode, identical with Cor. No. 1 Ash No. 3 lode, Cor. No. 1 Ash No. 8 lode, and Cor. No. 1 Ash No. 9 lode, all of this survey.
	Set an iron pipe, 2 ft. long, 3/4 ins. diam., 15 ins. in the ground in a concrete base, with brass cap mkd. ASH 2-1-ASH 3-1-ASH 8-1-ASH 9-1-4633; from which
	The 1/4 sec. Cor. of Sec. 25, T. 1 S., R. 12 E., and Sec. 30, T. 1 S., R. 13 E., G&SRB&M, bears N. 70°32'41" W., 475.90 ft. dist., previously described.
	Thence S. 1°34'20" E.
298.51	Lode line; discovery point bears S. 88°47' W., 1312.51 ft. dist.
598.47	Cor. No. 2, identical with Cors. Nos. 1 of the White Foot No. 2 and the White-Foot No. 3 lodes, and Cor. No. 4 of the Ash No. 3 lode of this survey; previously described.
	Thence S. 88°48' W.
1492.51	Cor. No. 3, identical with Cor. No. 1 of the Whitefoot No. 1 lode and Cor. No. 4 of the White Foot No. 2 lode of this survey; previously described.
	Thence N. 1°34'20" W.
299.79	Lode line; discovery point bears N. 88°47' E., 180 ft. dist.
599.71	Cor. No. 4, identical with Cor. No. 2 of the Ash No. 9 lode of this survey.
	Set a brass tablet, 2 ins. diam., 2 1/2 ins. stem, grouted into dacite ledge rock, with top mkd. ASH 2-4-ASH 9-2-4633.
	Thence N. 88°46'10" E.
1492.51	Cor. No. 1 and the place of beginning.
	ASH NO. 3 LODE
	Beginning at Cor. No. 1 of the Ash No. 3 lode, identical with Cor. No. 1 of the Ash No. 2 lode, Cor. No. 1 of the Ash No. 8 lode, and Cor. No. 1 of the Ash No. 9 lode, all of this survey; previously described.
	Thence N. 88°27'08" E.
1493.60	Cor. No. 2, identical with Cor. No. 4 of the Ash No. 8 lode of this survey.

FEET	
	<p>Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. ASH 3-2-ASH 8-4-4633.</p> <p>Thence S. 1°34'20" E.</p>
299.97	Lode line; discovery point bears S. 88°30'28" W., 50 ft. dist.
599.97	<p>Cor. No. 3, identical with Cor. No. 2 of the White-Foot No. 3 lode of this survey; previously described.</p> <p>Thence S. 88°30'34" W.</p>
1493.61	<p>Cor. No. 4, identical with Cor. Nos. 1 of the White Foot No. 2 and the White-Foot No. 3 lodes and Cor. No. 2 of the Ash No. 2 lode, all of this survey; previously described.</p> <p>Thence N. 1°34'20" W.</p>
299.96	Lode line; discovery point bears N. 88°30'28" E., 1443.61 ft. dist.
598.47	Cor. No. 1 and the place of beginning.
ASH NO. 8 LODE	
	<p>Beginning at Cor. No. 1 of the Ash No. 8 lode, identical with Cor. No. 1 Ash No. 2 lode, Cor. No. 1 Ash No. 3 lode and Cor. No. 1 Ash No. 9 lode, all of this survey; previously described.</p> <p>Thence N. 1°34'20" W.</p>
299.97	Lode line; discovery point bears N. 88°27'10" E., 1443.60 ft. dist.
599.31	Cor. No. 2, identical with Cor. No. 4 of the Ash No. 9 lode of this survey.
	<p>Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. ASH 8-2-ASH 9-4-4633.</p> <p>Thence N. 88°25'52" E.</p>
1493.60	Cor. No. 3
	<p>Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, with top mkd. ASH 8-3-4633.</p> <p>Thence S. 1°34'20" E.</p>
299.90	Lode line; discovery point bears S. 88°27'10" W., 50 ft. dist.
599.86	Cor. No. 4, identical with Cor. No. 2 of the Ash No. 3 lode of this survey; previously described.
	Thence S. 88°27'08" W.
1493.60	Cor. No. 1 and the place of beginning.

FEET	ASH NO. 9 LODE
	Beginning at Cor. No. 1 of the Ash No. 9 lode, identical with Cor. No. 1 Ash No. 2 lode, Cor. No. 1 Ash No. 3 lode, and Cor. No. 1 Ash No. 8 lode, all of this survey; previously described.
	Thence S. 88°46'10" W.
1492.51	Cor. No. 2, identical with Cor. No. 4 of the Ash No. 2 lode of this survey; previously described.
	Thence N. 1°34'20" W.
297.79	Lode line; discovery point bears N. 88°38' E., 50 ft. dist.
592.93	Cor. No. 3
	Set a brass tablet, 2 ins. diam., 2½ ins. stem, grouted into dacite ledge rock, mkd. ASH 9-3-4633.
	Thence N. 88°28'19" E.
1492.51	Cor. No. 4, identical with Cor. No. 2 of the Ash No. 8 lode of this survey; previously described.
	Thence S. 1°34'20" E.
299.34	Lode line; discovery point bears S. 88°38' W., 1442.51 ft. dist.
599.31	Cor. No. 1 and the place of beginning.
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SURVEY NO. 4633	
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AREAS	
	Acres
	Total area, New Lake lode 20.289
	Area in conflict with:
	Sur. No. 4150 Spring lode 0.023
	Sur. No. 4502 Magma lode 13.262
	Sur. No. 4502 Magma No. 1 lode 0.671
	Sur. No. 4502 Magma No. 1 lode, exclusive of its conflict with Sur. No. 4150 Spring lode 0.656
	Total area, "LIFE SAVER" lode 19.026
	Area in conflict with:
	Sur. No. 4150 Spring lode 0.329
	Sur. No. 4231 Horseshoe No. 2 lode 4.476
	Total area, Horseshoe No. 3 lode 20.467
	Area in conflict with:
	"LIFE SAVER" lode of this survey 1.756



FEET	AREAS	Acres
	Total area, Blackfoot No. 4 lode	20.504
	Total area, Silver Tip Extension No. 3 lode	20.262
	Total area, Whitefoot NO. 1 lode	16.872
	Total area, Oak lode.	20.462
	Area in conflict with:	
	Sur. No. 4150 Spring lode	4.359
	Sur. No. 4502 Magma lode	0.046
	Sur. No. 4502 Magma No. 1 lode	3.023
	Sur. No. 4502 Magma No. 1 lode, exclusive of its conflict with Sur. No. 4150 Spring lode	1.858
	New Lake lode of this survey	1.212
	New Lake lode of this survey, exclusive of its conflict with Sur. No. 4150 Spring lode	1.188
	New Lake lode of this survey, exclusive of its conflict with Sur. No. 4502 Magma lode	11.166
	New Lake lode of this survey, exclusive of its conflict with Sur. No. 4502 Magma No. 1 lode	0.628
	New Lake lode of this survey, exclusive of its conflict with Sur. No. 4150 Spring lode and Sur. No. 4502 Magma lode	1.142
	New Lake lode of this survey, exclusive of its conflict with Sur. No. 4150 Spring lode and Sur. No. 4502 Magma No. 1 lode	0.620
	New Lake lode of this survey, exclusive of its conflict with Sur. No. 4502 Magma and Magma No. 1 lodes	0.583
	New Lake lode of this survey, exclusive of its conflict with Sur. No. 4150 Spring lode and Sur. No. 4502 Magma and Magma No. 1 lodes	0.574
	"LIFE SAVER" lode of this survey	10.587
	"LIFE SAVER" lode of this survey, exclusive of its conflict with Sur. No. 4150 Spring lode.	10.258
	Total area, Oak No. 1 lode	20.461
	Area in conflict with:	
	"LIFE SAVER" lode of this survey	0.264

FEET		Acres
	Total area, Oak No. 3 lode	20.469
	Area in conflict with:	
	Sur. No. 4502 Magma lode	3.529
	New Lake lode of this survey	4.726
	New Lake Lode of this survey, exclusive of its conflict with	
	Sur. No. 4502 Magma lode	1.703
	"LIFE SAVER" lode of this survey	1.943
	Total area, Oak No. 4 lode	20.482
	Total area, White Foot No. 2 lode	18.753
	Total area, White-Foot No. 3 lode	20.573
	Total area, Ash No. 2 lode	20.526
	Total area, Ash No. 3 lode	20.546
	Total area, Ash No. 8 lode	20.559
	Total area, Ash No. 9 lode	20.424
	<b>LOCATION.</b>	
	This survey is located in the E $\frac{1}{2}$ Sec. 25 and NE $\frac{1}{4}$ Sec. 36 of T. 1 S., R. 12 E., and in the W $\frac{1}{2}$ Sec. 29, fractional Secs. 30 and 31, and in NW $\frac{1}{4}$ Sec. 32 of T. 1 S., R. 13 E., Gila and Salt River Base and Meridian, Pinal County, Arizona.	
	The survey of the New Lake, "LIFE SAVER," Horseshoe No. 3, Blackfoot No. 4, Silver Tip Extension No. 3, Whitefoot NO. 1, White Foot.No..2, White-Foot No. 3, Oak, Oak Nos. 1, 3 and 4, and Ash Nos. 2, 3, 8 and 9 lodes is identical with the respective location as marked on the ground.	
	<b>EXPENDITURES</b>	
	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 its grantors are as follows:	
No. 1	The discovery point of the New Lake lode is on the lode line 975 ft. from a point on line 1-2, 301.93 ft. from Cor. No. 1.	No value.
No. 1	The discovery point of the "LIFE SAVER" lode is on the lode line 250 ft. from a point on line 1-2, 300.23 ft. from Cor. No. 1.	No value.
No. 1	The discovery point of the Horseshoe No. 3 lode is on the lode line 675 ft. from a point on line 3-4, 296.84 ft. from Cor. No. 3.	No value.

FEET		
No. 2	A shaft, the center of which bears S. 72°28' W., 661 ft. from Cor. No. 3. Horseshoe No. 3 lode; 4x6 ft., 12 ft. deep.	Value \$150.
No. 1	The discovery shaft of the Blackfoot No. 4 lode, the center of which being the discovery point, is on the lode line 810 ft. from a point on line 1-2, 299.88 ft. from Cor. No. 1; 4x7 ft., 8 ft. deep.	Value \$110.
No. 1	The discovery point of the Silver Tip Extension No. 3 lode, being on the lode line 810 ft. from a point on line 1-2, 292.35 ft. from Cor. No. 1.	No value.
No. 2	A shaft, the center of which bears S. 79°25' E., 672 ft. from Cor. No. 2. Silver Tip Extension No. 3 lode; 4x6 ft., 8 ft. deep.	Value \$100.
No. 1	The discovery point of the Whitefoot NO. 1 lode is on the lode line 100 ft. from a point on line 3-4, 190.84 ft. from Cor. No. 3.	No value.
No. 2	A shaft, the center of which bears S. 75°30' W., 338 ft. from Cor. No. 1 Whitefoot NO. 1 lode; 5x5 ft., 8 ft. deep.	Value \$100.
No. 1	The discovery shaft of the Oak lode, the center of which being the discovery point, is on the lode line 35 ft. from a point on line 1-2, 299.77 ft. from Cor. No. 1; 5x6 ft., 8 ft. deep.	Value \$120.
No. 1	The discovery point of the Oak No. 1 lode is on the lode line 150 ft. from a point on line 2-3, 298.51 ft. from Cor. No. 2.	No value.
No. 2	A shaft, the center of which bears S. 37°40' W., 394 ft. from Cor. No. 2 Oak No. 1 lode; 8x8 ft., 7 ft. deep.	Value \$225.
No. 1	The discovery shaft of the Oak No. 3 lode, the center of which being the discovery point, is on the lode line 60 ft. from a point on line 1-2, 300.00 ft. from Cor. No. 1; 6x6 ft., 6 ft. deep.	Value \$100.
No. 1	The discovery point of the Oak No. 4 lode is on the lode line 200 ft. from a point on line 2-3, 297.64 ft. from Cor. No. 2.	No value.



FEET		
No. 2	A cut 6 ft. wide, the face of which bears N. 55°20' W., 365 ft. from Cor. No. 3 Oak No. 4 lode; runs W. 10 ft. to 6 ft. face.	Value \$100.
No. 1	The discovery point of the White Foot No. 2 lode is on the lode line 300 ft. from a point on line 3-4, 200.19 ft. from Cor. No. 3.	No value.
No. 2	A shaft, the center of which bears N. 66°50' E., 380 ft. from Cor. No. 3 White Foot No. 2 lode; 5x6 ft., 8 ft. deep.	Value \$120.
No. 1	The discovery point of the White-Foot No. 3 lode is on the lode line 25 ft. from a point on line 2-3, 300 ft. from Cor. No. 2.	No value.
No. 2	A cut, 4 ft. wide, the face of which bears S. 8° W., 280 ft. from Cor. No. 2 White-Foot No. 3 lode; runs S. 7 ft. to 7 ft. face.	Value \$100.
No. 1	The discovery point of the Ash No. 2 lode is on the lode line 180 ft. from a point on line 3-4, 299.79 ft. from Cor. No. 3.	No value.
No. 2	A shaft, the center of which bears N. 33° E., 347 ft. from Cor. No. 3 Ash No. 2 lode; 4x5 ft., 10 ft. deep.	Value \$100.
No. 1	The discovery shaft of the Ash No. 3 lode, the center of which being the discovery point, is on the lode line 50 ft. from a point on line 2-3, 299.97 ft. from Cor. No. 2; 12x12 ft., 5 ft. deep.	Value \$360.
No. 1	The discovery shaft of the Ash No. 8 lode, the center of which being the discovery point, is on the lode line 50 ft. from a point on line 3-4, 299.90 ft. from Cor. No. 3; 6x4 ft., 8 ft. deep.	Value \$100.
No. 1	The discovery shaft of the Ash No. 9 lode, the center of which being the discovery point, is on the lode line 50 ft. from a point on line 2-3, 297.79 ft. from Cor. No. 2; 4x5 ft., 10 ft. deep.	Value \$100.
	<p>An interest in a common improvement described as follows:</p> <p>The development work from the 2250. level to the 3000 level consists of numerous drifts and crosscuts, 6x8 ft. in size, with interconnecting raises, 4x6 ft. in size, for orderly mining by various stoping methods, usually variations of square-set or cut and fill. The workings are so numerous and complicated that a verbal description is inadequate. See included plat for general mining layout.</p>	

F E E T

Value of drifts, crosscuts, raises and stopes \$90,000.  
Value of one-sixteenth interest \$ 5,625.

These improvements are constantly progressing for orderling mining at the sixteen lodes, New Lake, "LIFE SAVER," Horseshoe No. 3, Blackfoot No. 4, Silver Tip Extension No. 3, Oak, Oak No. 1, Oak No. 3, Oak No. 4, Whitefoot NO. 1, White Foot No. 2, White-Foot No. 3, Ash No. 2, Ash No. 3, Ash No. 8 and Ash No. 9, which are all contiguous lode claims owned by Magma Copper Company

Five Hundred Dollars or over has been expended in this improvement in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore an undivided one-sixteenth interest in its value is hereby credited to each of said lodes.

No portion of or interest in these improvements has been credited heretofore as patent expenditure to any lode claim.

OTHER IMPROVEMENTS

None

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 4150 Spring lode: Cor. No. 3 is an iron pin,  $\frac{1}{2}$  in. diam., driven flush with the pavement of now-abandoned Miami-Superior Hwy., witnessed by a 4x4 post and a bearing rock as approved; Cors. Nos. 1, 2, and 4 could not be found. All lines shown as approved.

Sur. No. 4231 Horseshoe No. 2 lode: Cors. Nos. 1, 2, and 3 are iron posts,  $1\frac{1}{4}$  ins. diam., firmly set with brass caps properly marked. Line 1-2 was found to be S.  $1^{\circ}54'40''$  E., 599.37 ft. instead of S.  $1^{\circ}54'$  E., 600 ft. as approved. Line 2-3 was found to be N.  $87^{\circ}37'25''$  W., 1489.76 ft. instead of N.  $87^{\circ}35'$  W., 1489.3 ft. as approved. The cor. of Secs. 25, 30, 31 and 36 bears S.  $79^{\circ}21'36''$  W., 376.90 ft. instead of S.  $79^{\circ}19'$  W., 377 ft. as approved.

Sur. No. 4231 Silver Tip Extension No. 2 lode: Cors. Nos. 1, 4, and 5 are iron posts  $1\frac{1}{4}$  ins. diam., firmly set, with brass caps properly marked. Line 4-5 was found to be S.  $1^{\circ}33'50''$  E., 589.25 ft. instead of S.  $1^{\circ}33'$  E., 590 ft. as approved. Line 5-1 was found to be S.  $88^{\circ}20'38''$  W., 147.74 ft. instead of S.  $88^{\circ}30'$  W., 148.2 ft. as approved.

Sur. No. 4501 Blackfoot No. 2 lode: Cors. Nos. 2 and 3 are iron posts,  $3/4$  ins. diam., firmly set, with brass caps properly marked. Line 2-3 was found to be N.  $88^{\circ}46'43''$  E., 1480.76 ft. instead of N.  $88^{\circ}45'37''$  E., 1480.94 ft. as approved.

FEET

Sur. No. 4501 Blackfoot No. 3 lode: Cors. Nos. 2 and 3 are iron posts  $\frac{3}{4}$  ins. diam., firmly set, with brass caps properly marked: Cor. No. 4 is identical with Cor. No. 4 Sur. No. 4231 Silver Tip Extension No. 2 lode, described above. Line 2-3 was found to be S.  $87^{\circ}26'$  E., 1496.33 ft. instead of S.  $87^{\circ}24'$  E., 1496.33 ft. as approved; line 3-4 was found to be S.  $1^{\circ}36'00''$  E., 601.62 ft. instead of S.  $1^{\circ}34'30''$  E., 601.62 ft. as approved.

Sur. No. 4502 Magma lode: Cors. Nos. 1, 3 and 4 are iron posts,  $\frac{3}{4}$  ins. diam., firmly set, with brass caps properly marked; Cor. No. 2 could not be found. Cor. No. 2 was re-established by retracement of the line connecting Cor. No. 3 with Cor. No. 2 Sur. No. 4502 Magma No. 1 lode, and re-establishing Cor. No. 2 at the approved distance 601.40 ft. from Cor. No. 3. Line 1-2, common with line 3-4, Magma No. 1 lode of the same survey, was found to be N.  $88^{\circ}25'28''$  E., 1499.89 ft. instead of N.  $88^{\circ}24'$  E., 1500 ft. as approved. Line 3-4 was found to be S.  $88^{\circ}25'48''$  W., 1499.89 ft. instead of S.  $88^{\circ}24'$  W., 1500 ft. as approved.

Sur. No. 4502 Magma No. 1 lode: Cor. No. 2 is an iron post,  $\frac{3}{4}$  ins. diam., firmly set, with brass cap properly marked; Cors. Nos. 3 and 4 are identical with Cors. Nos. 2 and 1 Sur. No. 4502 Magma lode, described above. Line 2-3 was found to be S.  $5^{\circ}31'40''$  E., 601.56 ft. instead of S.  $5^{\circ}31'40''$  E., 601.40 ft. as approved. Line 3-4 described above. From Cor. No. 2 of the Magma No. 1 lode, Cor. No. 4 Sur. No. 4231 Horseshoe No. 1 lode, identical with Cor. No. 3 Sur. No. 4231 Horseshoe No. 2 lode, bears S.  $88^{\circ}27'$  W., 202.87 ft. instead of S.  $88^{\circ}24'$  W., 201.38 ft. as approved; from Cor. No. 3 of the Magma No. 1 lode, Cor. No. 3 Sur. No. 4150 Spring lode bears N.  $69^{\circ}08'30''$  W., 201.75 ft. instead of N.  $68^{\circ}55'58''$  W., 201.41 ft. as approved.

The  $S\frac{1}{2}$  of the line between Secs. 25 & 30, T. 1 S., Rs. 12 and 13 E., G&SRB&M, was found to be N.  $0^{\circ}04'55''$  E., 2617.31 ft. instead of N.  $0^{\circ}05'$  E., 2640 ft as approved. The  $N\frac{1}{2}$  of the line between Secs. 25 & 30 is shown as approved.

A diligent search was made for the witness corner of Secs. 29, 30, 31 and 32, and the  $\frac{1}{4}$  Cor. of Secs. 29 and 30, T. 1 S., R. 13 E., G&SRB&M, but these could not be found. Consequently, no ties are shown. The line between Secs. 29 and 30 is shown as approved.

The lines between Secs. 31 & 36, T. 1 S., Rs. 12 and 13 E., between Secs. 25 & 36, T. 1 S., R. 12 E., and between Secs. 29 & 32, 30 & 31 and 31 & 32, T. 1 S., R. 13 E., G&SRB&M, are shown as approved.

## FIELD ASSISTANTS

Name	Capacity
Travis L. Gant	Instrumentman
Wilburn H. Martin	Chainman



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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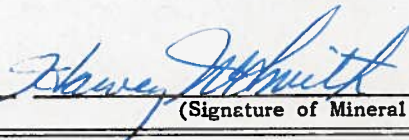
CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
Harvey W. Smith	May 25, 1966

I HEREBY CERTIFY That in pursuance of an order received from the Acting Chief, Division of Engineering, Bureau of Land Management, at Phoenix, Arizona, dated Sept. 20, 1965, I have carefully executed the survey of the claim of Magma Copper Company, known as the (lode, placer, or mill site) see reverse side situated in Pioneer Mining District, Pinal County, Secs. 25, 36, 29, 30, 31, 32 Township 1 S., Range 12 & 13 E., G&SRBE Meridian, in the State of Arizona

This survey, designated as number 4633, has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in the specific manner described in the foregoing field notes.

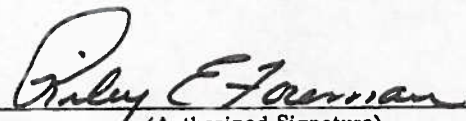
I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) lode location(s) embraced in the said mining claim by claimant(s) or their grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. 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.

Scottsdale, Arizona (Location)	 (Signature of Mineral Surveyor)	Harvey W. Smith
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CERTIFICATE OF APPROVAL

Bureau of Land Management Office Arizona State Office Location Phoenix, Arizona Date October 27, 1966
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The foregoing field notes of mineral survey number 4633, in Sections 25, 36, 29, 30, 31 and 32, Township 1 S., Range 12 & 13 E., Gila and Salt River Meridian, in the State of Arizona, executed by Harvey W. Smith, Mineral Surveyor, under order dated September 20, 1965, 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.

 (Authorized Signature) Riley E. Foreman	Acting State Director (Title)
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CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of field notes of the above described mineral survey number is a true copy of the original field notes.

(Authorized Signature)	(Title)
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Title 18, U. S. C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

- New Lake
- "LIFE SAVER"
- Horseshoe No. 3
- Blackfoot No. 4
- Silver Tip Extension No. 3
- Whitefoot NO. 1
- White Foot No. 2
- White-Foot No. 3
- Oak
- Oak No. 1
- Oak No. 3
- Oak No. 4
- Ash No. 2
- Ash No. 3
- Ash No. 8
- Ash No. 9





# United States Department of the Interior

IN REPLY REFER TO  
9183.1 (942)  
M.S. #4633

BUREAU OF LAND MANAGEMENT

Arizona State Office  
3022 Federal Building  
Phoenix, Arizona 85025

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August 2, 1971

## Memorandum

To : Chief, Division of Management Services, ASO  
(Att'n. Branch of Records & Data Management)

From : State Director, Arizona

Subject: Mineral Survey No. 4633

This memorandum cancels the survey of the OAK No. 3 lode claim of Mineral Survey No. 4633.

The following notation should be made on the plat of Mineral Survey No. 4633:

"Survey of OAK No. 3 lode claim canceled by State Director's memorandum dated August 2, 1971."

The plat and field notes should remain in the files. This memorandum should be made a part of the original field notes of Mineral Survey No. 4633.

By Relinquishment of Mining Claims, dated April 25, 1971, the claimant, Magma Copper Company, relinquished all their right, title and interest in the Oak No. 3 lode claim.

A portion of the land embraced by the Oak No. 3 lode claim is scheduled for disposal under Forest Exchange Application A 4338.

cc: Director





United States Department of the Interior

Division of Reclamation

Washington, D.C.

June 15, 1915

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Mr. J. M. [Name] [Address]

Dear Sir: [Text]

[Text]

[Text]

[Text]

[Text]

[Text]

*[Handwritten signature]*