

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4290

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

George L. Machris

Known as the PACK OVER, GO BY, IONE, TITANIC, NATIVE, LONGUS,
RAINBOW, JASPER, LALLAPALOOSA, HARD LUCK, LOLLIPOP, BLACK JACK
No.6, SUNNYSIDE No.5, SULPHIDE No.1, IRON BUTTE No.2, SILVER
BUTTE No.3, SILVER TIP No.4, QUICKSILVER No.1, QUICKSILVER No.2,
QUICKSILVER No.3, QUICKSILVER No.4, WABASH, ANACONDA, SULPHIDE,
MERCURY, RED ROCK, BLACK ROCK, CORNICOPIA, CORNICOPIA EXTENSION,
RED ROCK EXTENSION and BIG DIKE lodes.

Sunflower Mining District.

Maricopa County, Arizona

Sec.13 and uns'd. Secs.11,12 &14, T.7 N., R.8 E., and approx. uns'd.
Sections 6 and 7, Township 7 North, Range 9 East, G. & S.R. M.

Surveyed under instructions dated January 22, 1945.

by Edward L. Haff,
Mineral Surveyor.

Claim located (See back of this sheet), 19

Survey commenced June 9, 1945

Survey completed November 1, 1945

Address of claimant's attorney: Herbert Mallamo
Title and Trust Bldg., Phoenix, Arizona.

DATES OF AMENDED LOCATIONS

(See back of this page)

<u>LODE</u>	<u>LOCATED</u>
Pack Over	Oct. 2, 1912 ✓
Go By	Oct. 5, 1912 ✓
Ione	Oct. 2, 1912 ✓
Titanic	Oct. 2, 1912 ✓
Native	Oct. 2, 1912 ✓
Longus	July 1, 1937 ✓
Rainbow	July 1, 1937 ✓
Jasper	Oct. 5, 1912 ✓
Lallapaloosa	April 2, 1913 ✓
Hard Luck	April 2, 1913 ✓
Lollipop	April 2, 1913 ✓
Black Jack No. 6	Oct. 7, 1912 ✓
Sunnyside No. 5	Oct. 7, 1912 ✓
Sulphide No. 1	Oct. 7, 1912 ✓
Iron Butte No. 2	Oct. 7, 1912 ✓
Silver Butte No. 3	Oct. 7, 1912 ✓
Silver Tip No. 4	Oct. 7, 1912 ✓
Quicksilver No. 1	Nov. 16, 1928 ✓
Quicksilver No. 2	Nov. 16, 1928 ✓
Quicksilver No. 3	Dec. 15, 1928 ✓
Quicksilver No. 4	Dec. 15, 1928 ✓
Wabash	Jan. 7, 1916 ✓
Anaconda	Jan. 7, 1916 ✓
Sulphide	July 5, 1921 ✓
Mercury	July 5, 1921 ✓
Red Rock	July 1, 1937 ✓
Black Rock	Jan. 13, 1916 ✓
Cornicopia	Jan. 13, 1916 ✓
Cornicopia Extension	June 2, 1944 ✓
Red Rock Extension	July 1, 1939 ✓
Big Dike	July 2, 1941 ✓

Cornicopia Extension and Big Dike Lodes not amended. All others amended July 5, 1944.

Survey No. 4290

Feet

Mineral Survey No. 4290 was made with a C. L. Berger and Sons No. 2 Transit, with horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., edge graduation, having two double opposite verniers; the verniers read to one minute of arc.

The instrument was in good condition at the time of the survey and all adjustments were in good order. An a.m. altitude observation of the sun for azimuth, and at noon on the meridian for latitude, were made at the point of beginning, 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 500 feet in length, graduated every foot, the first two feet of which are graduated to tenths and hundredths; and a Keuffel and Esser steel tape 100 feet in length, graduated to feet, tenths and hundredths; both tapes were known to be correct at the time of the survey.

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 variation observed at each corner of the survey gave a uniform value of 15° 00' E.

PACK OVER LODE

Beginning at Cor. No. 1 of the Pack Over lode, where I -

Set an iron post, 48 ins. long, 2 ins. diam., 22 ins. in the ground, and in a mound of earth and stone, for Cor. No. 1, mkd. G.B. 1-4290-P.O. 1; from which

The Cor. of Secs. 11-12, 13 and 14, T. 7 N., R. 8 E., Gila and Salt River meridian bears N. 63° 39' 30" E. 669.50 ft. dist.; a Rhyolite stone 9 x 14 x 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

Thence S. 42° 42' E.

188.44 Intersect line 1-2 Jasper lode of this survey.

250.0 North-east end center monument and stake.

350. Dry Gulch, 10 ft. wide, course S. 30° E.

550.0 Cor. No. 2

Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap mkd. P.O. 2, G.B.-4, I-1, T. 1, -4290.

No local bearing trees or bearing objects available.

Thence S. 52° 16' W.

60. Mill Canon Creek 10' wide; course S. 60° E.

1500.0 Cor. No. 3.

Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. P.O. 3 - T. 4 - 4290.

No local bearing trees or bearing objects available.

Survey No. 4290

Feet	
	Thence N. 42° 42' W.
209.10	Intersect line 1-2 Native lode of this survey.
300.0	S. W. end center monument and stake.
550.0	Cor. No. 4. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone, for Cor. No. 4, with a brass cap mkd. P. O.-4-4290 from which Saddle Mountain bears N. 15° W. Pine Mountain bears N. 66° E. No local bearing trees or bearing objects available. Thence N. 52° 16' E.
680.	Mill Canon Creek 8 ft. wide, course S. 43° E.
733.0	Intersect lines 4-1 and 3-2 Native and Jasper lodes of this Survey.
1500.	Cor. No. 1 and place of beginning. GO BY LODE Beginning at Cor. No. 1 of the Go By lode, which is identical with Cor. No. 1 Pack Over lode of this Survey, previously described, Thence N. 58° 55' E.
70.	Dry Gulch 10 ft. wide, course S. 28° E.
632.68	Cor. No. 1 Sulphide No. 1, and intersect line 4-1 Jasper lodes of this Survey.
1435.21	Cor. No. 2, which is on line 4-1 Sunnyside No. 5 and line 4-1 Sulphide No.1 lodes of this survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2 with a brass cap, mkd. - G. B.-2-4290. No local bearing trees or bearing objects available. Thence S. 42° 42' E.
300.0	N. E. end center monument and stake.
550.0	Cor. No. 3. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. G.B.-3, - I.-2, -B.J. 6, - 3, - S. 5, -4 - 4290. No local bearing trees or bearing objects available. Thence S. 58° 55' W.
1435.21	Cor. No. 4 which is identical with Cor. No. 2 Pack Over lode of this Survey previously described. Thence N. 42° 42' W.
200.	Dry gulch, 10 ft. wide, course S. 30° E.
250.0	S.W. end center monument and stake.
361.56	Intersect line 1-2 Jasper lode of this Survey.

Survey No. 4290

Feet 550.0	Cor. No. 1 and place of beginning. IONE LODE Beginning at Cor. No. 1 which is identical with Cor. Nos. 2 and 4, Pack Over and Go By lodes of this Survey, previously described, from which The Cor. of Sections 11, 12, 13 and 14, T. 7 N., R. 8 E., G. and S.R.M. bears N. 17° 56' 10" E., 737.09 ft. dist.; previously described. Thence N. 58° 55' E.
1435.21	Cor. No. 2 which is identical with Cor. No. 3, Go By lode, of this Survey previously described. Thence S. 42° 42' E.
75.	Automobile mine road, bears N. 40° E. and S. 40° W.
225.	N.E. end center monument and stake.
270.	Automobile road, bears S. 59° W. and N. 59° E., also Sycamore Creek, 10 ft. wide, course S. 27° W.
525.0	Cor. No. 3 which is on line 4-1 Lollipop lode of this Survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. I. 3- B.J. 6-2-4290, from which A black oak, 8 ins. diam., blazed and scribed B.T. I.-3, B.J. 6-2-4290, bears S. 40° E., 5.10 ft. dist. Thence S. 58° 55' W.
337.83	Cor. Nos. 2-4, Hard Luck and Lollipop lodes of this Survey.
368.	Sycamore Creek, 10 ft. wide, course S. 34° E.
390.	Automobile road, bears S. 14° E. and N. 14° W.
495.	Automobile road, bears S. 26° E. and N. 26° W.
580.	Automobile mine road bears S. 16° E. and N. 16° W.
937.83	Cor. Nos. 1-1 Hard Luck and Lallapaloosa lodes of this Survey.
1435.21	Cor. No. 4 which is on line 4-1 Lallapaloosa lode of this Survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap mkd. I.-4, - T. -2-4290. No local bearing objects or bearing trees available. Thence N. 42° 42' W.
300.0	S.W. end center monument and stake.
525.0	Cor. No. 1 and place of beginning. TITANIC LODE Beginning at Cor. No. 1 of the Titanic lode which is

Survey No. 4290

Feet	
	<p>identical with Cor. Nos. 1, 2 and 4, Ione, Pack Over and Go By lodes of this Survey, previously described.</p> <p>Thence S. 42° 42' E. ✓</p>
225.0	N. E. end center monument and stake.
525.00	Cor. No. 2 which is identical with Cor. No. 4 Ione lode of this Survey, previously described, and on line 4-1-Lallapaloosa lode of this Survey, at a point from which Cor. No. 4, bears S. 58° 55' W. 102.62 ft. dist.
45.	Mill Canon Creek Thence S. 52° 16' W. ✓
45.	Mill Canon Creek, 10 ft. wide, course S. 59° E.
101.52	Intersect line 3-4 Lallapaloosa lode of this Survey.
1500.0	Cor. No. 3.
	<p>Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. T.-3-4290.</p> <p>No local bearing trees or bearing objects available.</p> <p>Thence N. 42° 42' W. ✓</p>
300.0	S.W. end center monument and stake.
525.	Cor. No. 4, which is identical with Cor. No. 3 Pack Over lode of this Survey, previously described.
	Thence N. 52° 16' E. ✓
1440.	Mill Canon Creek, 10 ft. wide, course S. 60° E.
1500.0	Cor. No. 1, and place of beginning.
	<p style="text-align: center;">NATIVE LODE</p> <p>Beginning at Cor. No. 1 of the Native lode, where I -</p> <p>Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap mkd. N-1, - J-2, - 4290, from which</p> <p>The Cor. of Sections 11, 12, 13 and 14, T. 7 N., R. 8 E., G. & S.R.M., bears N. 46° 50' E. 1406.58 ft. dist.; previously described.</p> <p>Cor. No. 4, Pack Over lode of this Survey, bears S. 71° 36' 30" W., 801.30 ft. dist.</p> <p>Thence S. 46° 26' W. ✓</p>
730.34	Intersect line 3-4 Pack Over lode of this Survey.
1500.0	Cor. No. 2,
	<p>Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2 with a brass cap mkd. N. 2-4290.</p> <p>No local bearing trees or bearing objects available.</p> <p>Thence N. 42° 42' W. ✓</p>
300.0	S. W. end center monument and stake.

Survey No. 4290

Feet 600.0	Cor. No. 3. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. N. -3, L. -2-4290. No local bearing trees or bearing objects available. Thence N. 46° 26' E.
1340.	Mill Canon Creek, 6 ft. wide, course S. 79° E.
1500.0	Cor. No. 4, Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap mkd. N.-4, J.-3, R.-2, L.-1, -4290. No local bearing trees or bearing objects available. Thence S. 42° 42' E.
300.0	N.E. end center monument and stake.
333.61	Intersect line 4-1-Pack Over lode of this Survey.
480.	Mill Canon Creek 6 ft. wide, course N. 89° E.
600.0	Cor. No. 1 and place of beginning. LONGUS LODE Beginning at Cor. No. 1 of the Longus lode which is identical with Cor. No. 4 Native lode of this Survey, previously described, from which The Cor. to Sections 11, 12, 13 and 14, T. 7 N., R. 8 E., G. & S.R.M. bears N. 70° 00' 30" E., 1524.69 ft. dist., previously described. Thence S. 46° 26' W.
160.	Mill Canon Creek 6 ft. wide, course S. 79° E.
1500.0	Cor. No. 2 which is identical with Cor. No. 3, Native lode of this Survey, previously described. Thence N. 42° 42' W.
300.	S.W. end center monument and stake.
600.0	Cor. No. 3. Set an iron post, 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and rock for Cor. No. 3, with a brass cap mkd. L-3-4290. No local bearing trees or bearing objects available. Thence N. 46° 26' E.
960.	Mill Canon Creek 6 ft. wide, course S. 49° E.
1500.0	Cor. No. 4. Set an iron post, 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap mkd. L.-4, -R. 3 - 4290.

Survey No. 4290.

Feet	
	No local bearing trees or bearing objects available. Thence S. 42° 42' E.
300.0	N.E. end center monument and stake.
600.0	Cor. No. 1 and place of beginning.
	RAINBOW LODE
	Beginning at Cor. No. 1 of the Rainbow lode where I - Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap mkd. R. 1 - J. 4, S. No. 1, - 2, I. B. No. 2 - 1 - 4290, from which The Cor. of Sections 11, 12, 13 and 14, T. 7 N., R. 8 E., G. & S.R.M. bears S. 44° 49' 50" E., 609.92 ft. dist., previously described. Thence S. 46° 26' W.
265.	Dry gulch, 10 ft. wide, course S. 11° E.
1384.0	Cor. No. 2 which is identical with Cor. Nos. 4 and 1 Native and Longus lodes of this Survey, previously described. Thence N. 42° 42' W.
300.0	S.W. end center monument and stake.
600.00	Cor. No. 3 which is identical with Cor. No. 4 Longus lode of this Survey, previously described. No local bearing trees or bearing objects available. Thence N. 46° 26' E.
1384.0	Cor. No. 4. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap mkd. R. 4, - I.B.No.2,-2- 4290. No local bearing trees or bearing objects available. Thence S. 42° 42' E.
300.0	N.E. end center monument and stake.
430.	Dry gulch, 10 ft. wide, course S. 20° W.
600.0	Cor. No. 1, and place of beginning.
	JASPER LODE
	Beginning at Cor. No. 1 of Jasper lode where I - Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap, mkd. J.-1-4290 from which The Cor. of Secs. 11, 12, 13 and 14, T. 7 N., R. 8 E., G. and S.R.M., bears N. 70° 01' E., 24.58 ft. dist.; previously described. Cor. Nos. 1-1, Pack Over and Go By lodes of this Survey bears S. 63° 25' W. 645.07 ft. dist. Thence S. 46° 26' W.
570.	Dry Gulch, 10 ft. wide, course S. 30° E.

Survey No. 4290

Feet 619.79	Intersect line 1-2 and 4-1 Pack Over and Go By lodes of this Survey.
930.	Mill Canon Creek 10 ft. wide, course S. 58° E.
1384.0	Cor. No. 2 which is identical with Cor. No. 1 Native lode of this Survey, previously described. Thence N. 42° 42' W.
120.	Mill Canon Creek, 6 ft. wide, course N. 89° E.
266.39	Intersect line 4-1 Pack Over lode of this Survey.
300.0	S. W. end center monument and stake.
600.0	Cor. No. 3 which is identical with Cor. Nos. 4-1-2 Native Longus and Rainbow lodes of this Survey, previously described. Thence N. 46° 26' E.
1119.	Dry gulch 10 ft. wide, course S. 11° E.
1384.0	Cor. No. 4 which is identical with Cor. No. 1 Rainbow lode of this Survey, previously described. Thence S. 42° 42' E.
300.0	N.E. end center monument and stake.
548.33	Cor. No. 1 Sulphide No. 1 and intersect line 1-2 Go By lodes of this Survey, previously described.
600.0	Cor. No. 1, and place of beginning. LALLAPALOOSA LODE Beginning at Cor. No. 1 which is on line 3-4 Lone lode of this Survey, where I Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap, mkd. LA.-1, - H.L. -1-4290 from which The Cor. of Secs. 11, 12, 13 and 14, T. 7 N., R. 8 E. G. & S.R.M. bears N. 33° 45' 35" W. 998.74 ft. dist. previously described. No local bearing objects or bearing trees available. Thence S. 39° 44' E.
110.	Automobile mine road, on curve, 15 ft. wide, bears N. 85° E. and S. 8° E.
600.	Automobile mine road, on curve, bears N. 30° E. and S. 12° W.
690.	Sycamore Creek, 20 ft. wide, course S. 14° W.
1500.0	Cor. No. 2. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap, mkd. LA. 2, - H.L. 4-4290 from which The confluence of Mill Canon and Sycamore Creeks

Survey No. 4290

Feet	
	bears N. 66° W. 520. ft. dist. Thence S. 58° 55' W.
300.0	South end center monument and stake.
450.	Sycamore Creek 20 ft. wide, course S. 20° E.
485.	Automobile mine road to Sunflower and Phoenix, 20 ft. wide bears S. 18° E. and N. 18° W.
600.0	Cor. No. 3. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap, mkd. LA.-3-4290. No local bearing objects or bearing trees available. Thence N. 39° 44' W.
1488.11	Intersect line 2-3 Titanic lode of this Survey.
1500.00	Cor. No. 4. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap, mkd. LA.-4-4290. No local bearing objects or bearing trees available. Thence N. 58° 55' E.
60.	Mill Canon Creek, course S. 59° E.
102.62	Cor. Nos. 2 and 4, Titanic and Ione lodes of this Survey.
300.	North end center monument and stake.
600.0	Cor. No. 1 and place of beginning. HARD LUCK LODE Beginning at Cor. No. 1 of the Hard Luck lode which is identical with Cor. No. 1, Lallapaloosa and on line 3-4 Ione lodes of this Survey, previously described, from which The Cor. of Secs. 11, 12, 13 and 14, T. 7 N., R. 8 E., G. & S.R.M. bears N. 33° 45' 35" W. 998.74 ft. dist. previously described. Thence N. 58° 55' E.
300.0	North end center monument and stake.
357.83	Automobile mine road, bears S. 16° E. and N. 16° W.
442.83	Automobile mine road, bears S. 26° E. and N. 26° W.
547.83	Automobile mine road, bears S. 14° E. and N. 14° W.
569.83	Sycamore Creek, 10 ft. wide, course S. 34° E.
600.0	Cor. No. 2. Set an iron post, 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap, mkd. H.L.-2, LO.-4-4290 from which A sycamore tree 10 ins. diam. bears N. 55° W. 14.60 ft. dist., and

Survey No. 4290

Feet	
	A sycamore tree 18 ins. diam., bears S. 61° W. 27.70 ft., each blazed and scribed a x (cross) and H.L. 2, L.O. 4-4290.
	Thence S. 39° 44' E.
690.	Bed of Dry Gulch, course N. 75° W.
1500.0	Cor. No. 3.
	Set an iron post, 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. H.L. 3 - L.O. 3-4290.
	No local bearing objects or bearing trees available.
	Thence S. 58° 55' W.
300.	South end center monument and stake.
600.	Cor. No. 4 which is identical with Cor. No. 2 Lallapaloosa lode of this Survey, previously described.
	Thence N. 39° 44' W.
810.	Sycamore Creek 20 ft. wide, course S. 14° W.
900.	Automobile road on curve bears S. 12° W. and N. 30° E.
1390.	Automobile mine road on curve, bears S. 8° E. and N. 85° E.
1500.0	Cor. No. 1 and place of beginning.
	LOLLIPOP LODGE
	Beginning at Cor. No. 1 of the Lollipop lode where I
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap mkd. L.O.-1-4290 from which
	The N ¹ / ₄ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears N. 74° 02' 55" E. 1141.05 ft. dist., a porphyry stone showing 5x9 ins. 12 ins. above ground, marked and witnessed as described in the official record.
	Thence S. 39° 44' E.
1500.0	Cor. No. 2.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap mkd. L.O-2-4290.
	No local bearing objects or bearing trees available.
	Thence S. 58° 55' W.
300.0	South end center monument and stake.
600.0	Cor. No. 3, which is identical with Cor. No. 3 Hard Luck lode of this Survey, previously described.
	Thence N. 39° 44' W.
810.	Bed of Dry Gulch, course N. 75° W.
1500.0	Cor. No. 4, which is on line 3-4 Ione lode and identical with Cor. No. 2 Hard Luck lodes of this Survey, previous-

Survey No. 4290

Feet	ly described.
	Thence N. 58° 55' E.
300.0'	North end center monument and stake.
337.83'	Cor. No. 3 Ione lode and Cor. No. 2, Black Jack No. 6 lode, both of this survey.
600.	Cor. No. 1 and place of beginning.
	BLACK JACK NO. 6 LODE
	Beginning at Cor. No. 1 of the Black Jack No. 6 lode where
	I
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap mkd.- B.J. 6-1-4290 from which
	The North $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 8° 50' E. 321.84 ft. dist., previously described.
	Thence S. 58° 55' W.
1223.35'	Cor. No. 1 Lollipop lode of this Survey.
1485.52'	Cor. No. 2, which is on line 4-1 Lollipop and identical with Cor. No. 3, Ione lodes of this Survey, previously described.
	Thence N. 42° 42' W.
255.	Automobile road, bears S. 59° W. and N. 59° E., also bed of Sycamore Creek 10 ft. wide, course S. 27° W.
300.	S. W. end center monument and stake.
450.	Automobile mine road, bears N. 40° E. and S. 40° W.
525.0'	Cor. No. 3, which is identical with Cor. Nos. 3-2 Go By and Ione lodes of this Survey, previously described.
	Thence N. 58° 55' E.
230.	Automobile mine road at angle, bearing S. 40° W. and N. 58° E.
635.52'	Sycamore Creek, 15 ft. wide, course S. 20° E. and N. 20° W. 150 ft. to its confluence with Carrol Creek.
685.52'	Automobile road, bears S. 20° W. and N. 20° E.
935.52'	Automobile mine road, bears S. 86° W. and N. 86° E.
985.52'	Sycamore Creek, 15 ft. wide, course S. 88° W.
1300.52'	Sycamore Creek, 15 ft. wide, course S. 42° W.
1385.52'	Automobile mine road, bears S. 40° W. and N. 40° E.
1485.52'	Cor. No. 4.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone, for Cor. No. 4, with a brass cap, mkd. B.J. No. 6-4, S. No. 5-3, 4290.
	No local bearing trees or bearing objects available.

Survey No. 4290

Feet	
	Thence S. 42° 42' E.
225.	N.E. end center monument and stake.
297.90	Cor. No. 1 Anaconda lode of this Survey:
525.0	Cor. No. 1 and place of beginning.
	SUNNYSIDE NO. 5 LODE
	Beginning at Cor. No. 1 of the Sunnyside No. 5 lode, where
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap, mkd. S. No. 5, -1-4290, from which
	The Cor. of Secs. 11, 12, 13 and 14, T. 7 N. R. 8 E., G. & S.R.M. bears S. 51° 04' 50" W. 765.07 ft. dist. previously described.
	Thence N. 58° 55' E.
510.	Intersect line 3-4 Sulphide No. 1 lode at Cor. No. 1 Silver Tip No. 4 lode, both of this survey.
820.	Bed of Carrol Creek, 10 ft. wide, course S. 25° E.
1485.52	Cor. No. 2.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap, mkd. S. No. 5-2-4290.
	No local bearing trees or bearing objects available.
	Thence S. 42° 42' E.
297.9	Cors. Nos. 1 and 2 Wabash and Anaconda lodes of this survey.
300.	N. E. end center monument and stake.
525.	Bed of Sycamore Creek, 10 ft. wide, course S. 42° W.
560.	Automobile mine road bears S. 40° W. and N. 40° E.
600.0	Cor. No. 3 which is identical with Cor. No. 4 Black Jack No. 6 lode of this Survey, previously described.
	Thence S. 58° 55' W.
100.	Automobile mine road, bears S. 40° W. and N. 40° E.
185.	Sycamore Creek, 15 ft. wide, course S. 42° W.
500.	Sycamore Creek, 15 ft. wide, course S. 88° W.
550.	Automobile mine road, bears S. 86° W. and N. 86° E.
800.	Automobile mine road, bears S. 20° W. and N. 20° E.
850.	Sycamore Creek, 15 ft. wide, course S. 20° E.
1255.52	Automobile mine road, bears S. 40° W. and N. 58° E.
1485.52	Cor. No. 4 which is identical with Cor. Nos. 3-2-3 Go By, Ione and Black Jack No. 6 lodes of this Survey, previously described.
	Thence N. 42° 42' W.
300.	S. W. end center monument and stake.

Survey No. 4290

Feet	
550.0	Cor. No. 2 Go By and intersect line 4-1 Sulphide No. 1 lodes of this Survey.
600.0	Cor. No. 1 and place of beginning.
	SULPHIDE NO. 1 LODE
	Beginning at Cor. No. 1 which is on line 1-2 Go By, and 4-1 Jasper lodes of this Survey.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor.No.1 mkd. S. No. 1-1-4290, from which
	The Cor. to Secs. 11, 12, 13 and 14, T. 7 N., R. 8 E., G. & S.R.M., bears S. 63° 02' 30" E. 65.23 ft. dist.; previously described.
	Thence N. 42° 42' W.
248.33	S. W. end center monument and stake.
548.33	Cor. No. 2 which is identical with Cor. Nos. 4 and 1, Jasper and Rainbow lodes of this Survey, previously described.
	No local bearing trees or bearing objects available.
	Thence N. 58° 55' E.
1312.53	Cor. No. 3.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap, mkd. S. No. 1-3-4290-I.B.No.2-4.
	No local bearing trees or bearing objects available.
	Thence S. 42° 42' E.
300.0	N. E. end center monument and stake.
498.33	Intersect line 1-2 Sunnyside No. 5 lode at Cor. No. 1 Silver Tip No. 4 lode, both of this survey.
548.33	Cor. No. 4.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap, mkd. S. No. 1-4-4290.
	No local bearing trees or bearing objects available.
	Thence S. 58° 55' W.
510.0	Cor. No. 2 Go By and intersect line 4-1 Sunnyside No. 5 lodes of this Survey.
1312.53	Cor. No. 1 and place of beginning.
	IRON BUTTE NO. 2 LODE
	Beginning at Cor. No. 1 of the Iron Butte No. 2 lode, which is identical with Cor. Nos. 1, -4, - 2, Rainbow, Jasper, and Sulphide No. 1 lodes of this Survey, previously described, from which
	The Cor. to Secs. 11, 12, 13 and 14, T. 7 N., R. 8 E., G and S.R.M., bears S. 44° 49' 50" E., 609.92 ft. dist.; previously described.
	Thence N. 42° 42' W.
170.	Bed of dry gulch, 4 ft. wide, course S. 20° W.

Survey No. 4290

Feet	
300.	S. W. end center monument and stake.
600.	Cor. No. 2, which is identical with Cor. No. 4, Rainbow lode of this survey, previously described. Thence N. $58^{\circ} 55'$ E.
440.	Bed of dry gulch, 4 ft. wide, course S. $3^{\circ} 00'$ W.
1312.53	Cor. No. 3. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap, mkd. I.B. No. 2-3- S.B. No. 3-2 - 4290. No local bearing trees or bearing objects available. Thence S. $42^{\circ} 42'$ E.
300.0	N. E. end center monument and stake.
521.49	Cors. Nos. 1 and 2 Silver Butte No. 3 and Silver Tip No. 4 lodes, both of this survey.
600.0	Cor. No. 4 which is identical with Cor. No. 3 Sulphide No. 1 lode of this survey, previously described. Thence S. $58^{\circ} 55'$ W.
1312.53	Cor. No. 1 and place of beginning. SILVER BUTTE NO. 3 LODE Beginning at Cor. No. 1, on line 3-4 Iron Butte No. 2 lode of this Survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone, for Cor. No. 1, with a brass cap mkd. S.B. No. 3-1, S.T. No. 4-2 - 4290 from which The Cor. of Secs. 11, 12, 13 and 14, T. 7 N., R. 8 E. G. & S.R.M. bears S. $28^{\circ} 45' 10''$ W. 1332.13 ft. dist. previously described. Thence N. $42^{\circ} 42'$ W.
300.	S. W. end center monument and stake.
521.49	Cor. No. 2 which is identical with Cor. No. 3, Iron Butte No. 2 lode, of this Survey, previously described. Thence N. $58^{\circ} 55'$ E.
770.	Carroll Creek 10 ft. wide, course S. 63° E.
1281.76	Cor. No. 3. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. S.B. No. 3-3 - 4290. No local bearing trees or bearing object available. Thence S. $42^{\circ} 42'$ E.
93.40	Cor. No. 2, Quicksilver No. 4 lode of this Survey.
221.49	N. E. end center monument.
521.49	Cor. No. 4.

Survey No. 4290

Feet	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone, for Cor. No. 4, with a brass cap, mkd. S.B. No. 3-4, S.T. No. 4-3, Q. No. 1-2 - Q. No. 4-1-4290. No local bearing trees or bearing objects available. Thence S. 58° 55' W.
381.76	Bed of Carroll Creek, 10 ft. wide, course S. 5° E.
1281.76	Cor. No. 1 and place of beginning. SILVER TIP NO. 4 LODE Beginning at Cor. No. 1 which is on line 1-2 Sunnyside No. 5 and line 3-4 Sulphide No. 1 lodes of this Survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap, mkd. S.T. No. 4-1-4290, from which The Cor. of Secs. 11, 12, 13 and 14, T. 7N., R. 8E., G. and S.R.M., bears S. 54° 12' 50" W., 1272.20 ft. dist. previously described. Thence N. 42° 42' W.
276.84	S. W. end center monument and stake.
498.33	Cor. Nos. 3-4, Sulphide No. 1 and Iron Butte No. 2 lodes of this Survey.
576.84	Cor. No. 2 which is identical with Cor. No. 1 Silver Butte No. 3 lode of this Survey, previously described. Thence N. 58° 55' E.
900.	Bed of Carroll Creek, 10 ft. wide, course S. 5° E.
1281.76	Cor. No. 3 which is identical with Cor. No. 4 Silver Butte No. 3 lode of this Survey, previously described. Thence S. 42° 42' E.
300.	N. E. end center monument and stake.
378.80	Cor. No. 1 Quicksilver No. 1 and intersect line 2-3-Wabash lodes of this Survey.
576.84	Cor. No. 4 Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap, mkd. S.T. No. 4,-4 - 4290. No local bearing trees or bearing objects available. Thence S. 58° 55' W.
306.24	Cor. No. 2 Sunnyside No. 5 and intersect line 1-2 Wabash lodes of this Survey.
971.76	Bed of Carroll Creek, 10 ft. wide, bears S. 25° E.
1281.76	Cor. No. 1 and place of beginning. QUICKSILVER NO. 1 LODE Beginning at Cor. No. 1 which is on line 3-4 Silver Tip No. 4 and line 2-3 Wabash lodes of this Survey.

Survey No. 4290

Feet	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap, mkd. Q. No. 1-1-4290, from which The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 25° 17' 30" E. 1602.00 ft. dist., previously described. No local bearing trees or bearing objects available. Thence N. 42° 42' W.
254.80	S. W. end center monument and stake.
378.80	Cor. No. 2 which is identical with Cor. Nos. 4-3, Silver Butte No. 3 and Silver Tip No. 4, lodes of this Survey, previously described. Thence N. 46° 29' E.
897.33	Cor. No. 3. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3 with a brass cap mkd. Q. No. 1-3, Q. No. 2-2, Q. No. 3-1 and Q. No. 4-4-4290. No local bearing trees or bearing objects available. Thence S. 42° 42' E.
124.0	N. E. end center monument and stake.
378.80	Cor. No. 4, which is on line 2-3 Mercury lode of this Survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone, for Cor. No. 4 with a brass cap mkd. Q. No. 1-4, Q. No. 2-1-4290. No local bearing trees or bearing objects available. Thence S. 46° 29' W.
31.98	Cor. No. 3 Wabash lode and Cor. No. 2 Mercury lode, both of this survey.
87.33	Bed of dry gulch 4 ft. wide, course S. 10° E.
897.33	Cor. No. 1 and place of beginning. QUICKSILVER NO. 2 LODE Beginning at Cor. No. 1 which is identical with Cor. No. 4, Quicksilver No. 1 lode of this survey, previously described, from which The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 0° 56' E. 2066.60 ft. dist., previously described. Thence N. 42° 42' W.
254.80	S. W. end center monument and stake.
378.80	Cor. No. 2, which is identical with Cor. Nos. 3 and 4 Quicksilver Nos. 1 and 4 lodes of this Survey, previously described. Thence N. 46° 29' E.
1467.44	Cor. No. 3 which is on line 1-2 Red Rock lode of this Survey.

Survey No. 4290

Feet	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap, mkd. Q. No. 2-3, Q. No. 3-4 - 4290.
	No local bearing trees or bearing objects available.
	Thence S. 42° 42' E.
124.0	N. E. end center monument and stake.
378.80	Cor. No. 4.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap, mkd. Q. No. 2-4, M-3, R.R.-1, B.R.-2 - 4290.
	No local bearing trees or bearing rocks available.
	Thence S. 46° 29' W.
1467.44	Cor. No. 1 and place of beginning.
	QUICKSILVER NO. 3 LODE
	Beginning at Cor. No. 1 which is identical with Cor. Nos. 3, 2, Quicksilver Nos. 1 and 2 lodes of this Survey, previously described, from which
	The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E.; G. & S.R.M. bears S. 7° 03' 50" E., 2362.64 ft. dist., previously described.
	Thence N. 42° 42' W.
128.09	S. W. end center monument and stake.
428.09	Cor. No. 2.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap mkd. Q. No. 3-2, Q. No. 4-3 - 4290.
	No local bearing trees or bearing objects available.
	Thence N. 46° 29' E.
1467.44	Cor. No. 3.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3 with a brass cap mkd. Q. No. 3-3 - 4290.
	No local bearing trees or bearing objects available.
	Thence S. 42° 42' E.
236.89	Cor. No. 2 Red Rock lode of this survey.
300.0	N. E. end center monument and stake; and summit of a high rocky ridge, bears N. 50° E. and S. 50° W.
428.09	Cor. No. 4, which is identical with Cor. No. 3 Quicksilver No. 2 lode of this Survey, previously described.
	Thence S. 46° 29' W.
1467.44	Cor. No. 1 and place of beginning.

Survey No. 4298

Feet

QUICKSILVER NO. 4 LODE

Beginning at Cor. No. 1, which is identical with Cor. Nos. 2, 3 and 4, Quicksilver No. 1, Silver Tip No. 4 and Silver Butte No. 3 lodes of this Survey, previously described, from which

The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. $28^{\circ} 35' 40''$ E. 1966.72 ft. dist., previously described.

Thence N. $42^{\circ} 42'$ W.

128.09 S. W. end center monument and stake.

428.09 Cor. No. 2, which is on line 3-4 Silver Butte No. 3 lode of this Survey.

Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap mkd. Q. No. 4-2 - 4290.

No local bearing trees or bearing objects available.

Thence N. $46^{\circ} 29'$ E.

897.33 Cor. No. 3, which is identical with Cor. No. 2 Quicksilver No. 3 lode of this Survey, previously described.

Thence S. $42^{\circ} 42'$ E.

300. N. E. end center monument and stake.

428.09 Cor. No. 4, which is identical with Cor. Nos. 3, 2, and 1, Quicksilver No. 1, Quicksilver No. 2 and Quicksilver No. 3 lodes of this Survey, previously described.

Thence S. $46^{\circ} 29'$ W.

897.33 Cor. No. 1 and place of beginning.

WABASH LODE

Beginning at Cor. No. 1 which is on line 2-3 Sunnyside No. 5 lode of this Survey.

Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1 with a brass cap mkd. W.-1, -A-2, - 4290, from which

The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. $33^{\circ} 23' 30''$ E., 1108.92 ft. dist., previously described.

No local bearing trees or bearing objects available.

Thence N. $42^{\circ} 42'$ W.

215.0 S. W. end center monument and stake.

297.90 Cor. No. 2 Sunnyside No. 5 and intersect line 4-1 Silver Tip No. 4, lodes of this Survey.

430.0 Cor. No. 2.

Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap mkd. W-2 - 4290.

No local bearing trees or bearing objects available.

Survey No. 4290

Feet	
	Thence N. 46° 29' E.
300.0	Cor. No. 1 Quicksilver No. 1 and intersect line 3-4 Silver Tip No. 4, lodes of this Survey.
1110.	Bed of dry gulch 4 ft. wide, course S. 10° E.
1165.35	Cor. No. 3, which is on line 4-1 Quicksilver No. 1 lode of this Survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. W-3, - M.-2 - 4290. No local bearing trees or bearing objects available.
	Thence S. 42° 42' E.
180.	Bed of dry gulch, 5 ft. wide, course S. 74° 50' E.
215.0	N. E. end center monument and stake.
430.0	Cor. No. 4. On line 1-2 Mercury lode of this survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone, for Cor. No. 4, with a brass cap mkd. W.-4; - A.-3; - 4290. Thence S. 46° 29' W.
1165.35	Cor. No. 1 and place of beginning.
	ANACONDA LODE Beginning at Cor. No. 1 which is on line 4-1 Black Jack No. 6 lode of this Survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap mkd. A-1 - 4290, from which The N. $\frac{1}{4}$ Cor. Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 22° 45' 20" E. 525.85 ft. dist., previously described. Thence N. 42° 42' W.
297.90	Cor. Nos. 4 and 3 Black Jack No. 6 and Sunnyside No. 5 lodes of this Survey.
300.0	S. W. end center monument and stake.
337.90	Automobile mine road bears S. 40° W. and N. 40° E.
372.90	Bed of Sycamore Creek, 10 ft. wide, course S. 42° W.
600.0	Cor. No. 2 which is identical with Cor. No. 1, Wabash lode of this Survey, previously described. Thence N. 46° 29' E.
1165.35	Cor. No. 3, which is identical with Cor. No. 4 Wabash lode of this Survey, previously described. Thence S. 42° 42' E.
49.60	Bed of Sycamore Creek, 10 ft. wide, course S. 36° W.
69.60	Pack trail 4 ft. wide, bears S. 36° W. and N. 36° E.
94.60	Cors. Nos. 1 and 2 Mercury and Sulphide lodes of this survey.

Survey No. 4290

Feet	
300.	N. E. end center monument and stake.
600.0	Cor. No. 4. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4 with a brass cap mkd. A-4 - 4290. No local bearing objects available. Thence S. 46° 29' W.
1165.35	Cor. No. 1 and place of beginning. SULPHIDE LODGE Beginning at Cor. No. 1 of the Sulphide Lode, where I- Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 1, with a brass cap mkd. S. -1 - 4290, from which The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 30° 05' 40" W. 1407.56 ft. dist., previously described. No local bearing objects available. Thence N. 42° 42' W.
94.60	Cor. No. 4 Anaconda lode of this Survey.
300.0	S. W. end center monument and stake.
600.0	Cor. No. 2 which is on line 3-4 Anaconda lode of this Survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap mkd. S. 2, - M.-1 - 4290. No local bearing objects available. Thence N. 46° 29' E.
60.	Pack Trail, 4 ft. wide, bears N. 87° E. and S. 87° W.
120.	Bed of Sycamore Creek, 10 ft. wide, course N. 50° W.
1499.42	Cor. No. 3. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. S.-3; - M.-4; - B.R.-1; - C.-2; - 4290, from which A juniper tree 20 ins. diam., bears S. 59° 33' E. 57.05 ft. dist. A cottonwood tree 17 ins. diam., bears N. 42° 18' E. 24.65 ft. dist., each blazed and scribed across (x) and B.T.; S.-3; M.-4; B.R.-1; C.-2 - 4290. Thence S. 42° 42' E.
46.	Bed of Sycamore Creek 10 ft. wide, course S. 41° W.
65.	Pack Trail 4 ft. wide, bears S. 42° W. and N. 42° E.
300.0	N. E. end center monument and stake.

Survey No. 4290

Feet 600.0	Cor. No. 4. Set an iron post 48 ins. long, 2 ins. diam.; 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap mkd. S-4; C.-1; - 4290. No local bearing objects available. Thence S. 46° 29' W.
1499.42	Cor. No. 1 and place of beginning. MERCURY LODE Beginning at Cor. No. 1 of the Mercury lode, which is identical with Cor. No. 2 Sulphide lode of this Survey, previously described; from which The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 10° 12' 50" W. 1685 ft. dist., previously described. Thence N. 42° 42' W.
25.	Pack Trail 4 ft. wide, bears S. 36° W. and N. 36° E.
45.	Bed of Sycamore Creek 10 ft. wide, course S. 36° W.
94.60	Cor. Nos. 3-4 Anaconda and Wabash lodes of this Survey.
254.60	S. W. end center monument and stake.
344.60	Bed of dry gulch, 5 ft. wide, course S. 74° 50' E.
524.60	Cor. No. 2, which is identical with Cor. No. 3 Wabash lode of this Survey, previously described. Thence N. 46° 29' E.
31.98	Cor. Nos. 4-1 Quicksilver No. 1 and Quicksilver No. 2 lodes of this Survey.
1499.42	Cor. No. 3 which is identical with Cor. No. 4 Quicksilver No. 2 lode of this Survey, previously described. Thence S. 42° 42' E.
270.0	N. E. end center monument and stake.
524.60	Cor. No. 4, which is identical with Cor. No. 3 Sulphide lode of this Survey, previously described. Thence S. 46° 29' W.
1379.42	Bed of Sycamore Creek, 10 ft. wide, course N. 50° W.
1439.42	Pack Trail, 4 ft. wide, bears N. 87° E. and S. 87° W.
1499.42	Cor. No. 1 and place of beginning. RED ROCK LODE Beginning at Cor. No. 1 of the Red Rock lode, which is identical with Cor. Nos. 4-3 Quicksilver No. 2, and Mercury lodes of this Survey, previously described, from which The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 18° 31' W. 3244.74 ft. dist., previously described. Thence N. 42° 42' W.
270.	S. W. end center monument and stake.

Survey No. 4290

Feet	
378.80	Cor. Nos. 3-4 Quicksilver No. 2 and Quicksilver No. 3 lodes of this Survey.
506.89	Summit of high rocky ridge bears N. 50° E. and S. 50° W.
570.0	Cor. No. 2, which is on line 3-4 Quicksilver No. 3 lode of this Survey. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 2, with a brass cap mkd. R.R. 2 - 4290. No local bearing objects available. Thence N. 50° 11' E.
700.	Base of mountain bears North and South.
1020	Bed of creek 4 ft. wide, course S. 3° E. 40 ft. to confluence with Sycamore Creek, course S. 27° W.
1500.	Cor. No. 3- Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. R.R.-3; - B.D.-2; - 4290, from which A black oak 8 ins. diam., bears S. 25° E. 24 ft. dist., mkd. R.R.-3; B.D.-2 - 4290 x-B.T. No other bearing objects available. Thence S. 42° 42' E.
200.	Bed of Sycamore Creek, 8 ft. wide, course S. 55° W.
230.	Pack Trail, 4 ft. wide, bears S. 66° W. and N. 66° E.
300.	N. E. end center monument and stake.
570.0	Cor. No. 4. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap mkd. R.R.-4; B.R.-3. R.R. Ext. 2; - B.D.-1 - 4290. No local bearing objects available. Thence S. 50° 11' W.
1130.	Bed of Sycamore Creek, 10 ft. wide, course S. 42° E.
1160.	Pack Trail, 4 ft. wide, bears S. 51° E. and N. 51° W.
1500.0	Cor. No. 1, and place of beginning. BLACK ROCK LODGE
	Beginning at Cor. No. 1 of the Black Rock lode which is identical with Cor. Nos. 3-4 Sulphide and Mercury lodes of this Survey, previously described, from which The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 27° 15' 10" W. 3027.26 ft. dist., previously described. Thence N. 42° 42' W.
224.60	S. W. end center monument and stake.

Survey No. 4290

Feet	
524.60	Cor. No. 2, which is identical with Cor. Nos. 3-4-1, Mercury, Quicksilver No. 2 and Red Rock lodes of this Survey, previously described. Thence N. 50° 11' E.
340	Pack Trail, 4 ft. wide, bears S. 51° E. and N. 51° W.
370.	Bed of Sycamore Creek, 10 ft. wide, course S. 42° E.
1500.	Cor. No. 3, which is identical with Cor. No. 4, Red Rock lode of this Survey, previously described. Thence S. 42° 42' E.
300.	N. E. end center monument and stake.
524.60	Cor. No. 4. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap mkd. B. R.-4; C-3; C. Ext.-2; R.R. Ext. 1 - 4290. No local bearing objects available. Thence S. 50° 11' W.
1435.	Pack Trail, 4 ft. wide, bears S. 37° E. and N. 37° W.
1460.	Bed of Sycamore Creek, 10 ft. wide, course S. 26° E.
1500.	Cor. No. 1 and place of beginning. CORNICOPIA LODE Beginning at Cor. No. 1 of the Cornicopia lode, which is identical with Cor. No. 4 Sulphide lode of this Survey, previously described; from which The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 38° 33' W. 2877.36 ft. dist., previously described. No other local bearing objects available. Thence N. 42° 42' W.
300.0	S. W. end center monument and stake.
535.	Pack Trail, 4 ft. wide, bears S. 42° W. and N. 42° E.
554.	Bed of Sycamore Creek, 10 ft. wide, course S. 41° W.
600.	Cor. No. 2, which is identical with Cor. Nos. 3, 4 and 1, Sulphide, Mercury and Black Rock lodes of this Survey, previously described. Thence N. 50° 11' E.
40.	Bed of Sycamore Creek, 10 ft. wide, course S. 26° E.
65.	Pack Trail, 4 ft. wide, bears S. 37° W. and N. 37° E.
1500.0	Cor. No. 3, which is identical with Cor. No. 4 Black Rock lode of this Survey, previously described.

Survey No. 4290

Feet	Thence S. 42° 42' E.
300.0	N. E. end center monument and stake.
350.	Summit of ridge bears N. 61° W. and S. 61° E.
600.0	Cor. No. 4. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 4, with a brass cap mkd. C.-4; C. Ext.-1 - 4290. No local bearing objects available.
	Thence S. 50° 11' W.
550.0	Bed of dry gulch, 4 ft. wide, course S. 16° W.
1050.	Pack Trail, 4 ft. wide, bears N. 71° W. and S. 71° E.
1100.	Bed of dry gulch, 6 ft. wide, course S. 88° W.
1400.	Pack Trail, 6 ft. wide, bears N. 37° W. and S. 37° E.
1500.	Cor. No. 1, and place of beginning.
CORNICOPIA EXTENSION LODE	
Beginning at Cor. No. 1 of the Cornicopia Extension lode, which is identical with Cor. No. 4 Cornicopia lode of this Survey, previously described, from which The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. and S.R.M. bears S. 42° 31' 50" W. 4357.05 ft. dist., previously described. Thence N. 42° 42' W.	
250.	Summit of ridge, bears N. 61° W. and S. 61° E.
300.	S. W. end center monument and stake.
600.0	Cor. No. 2, which is identical with Cor. Nos. 4 and 3, Black Rock and Cornicopia lodes of this Survey, previously described. Thence N. 52° 36' E.
680.	Bed of dry gulch, 4 ft. wide, course N. 67° W.
1500.0	Cor. No. 3. Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. C. Ext. 3; R.R. Ext. -4; -4290. No local bearing objects available.
	Thence S. 42° 42' E.
300.0	N. E. end center monument and stake.
600.0	Cor. No. 4 Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor.

Survey No. 4290

Feet	
	No. 4, with a brass cap mkd. C. Ext.-4, - 4290.
	No local bearing objects available.
	Thence S. 52° 36' W.
1500.	Cor. No. 1 and place of beginning.
	RED ROCK EXTENSION LODE
	Beginning at Cor. No. 1 of the Red Rock Extension lode, which is identical with Cor. Nos. 4, 3 and 2 Black Rock, Cornicopia and Cornicopia Extension lodes of this Survey, previously described, from which
	The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. 34° 48' 15" W., 4447.32 ft. dist., previously described.
	Thence N. 42° 42' W.
224.60	S. W. end center monument and stake.
524.60	Cor. No. 2 which is identical with Cor. Nos. 4 and 3 Red Rock, and Black Rock lodes of this Survey, previously described.
	Thence N. 52° 36' E.
220.	Bed of dry gulch, 6 ft. wide, course S. 73° W.
230.	Pack Trail, 4 ft. wide, bears S. 75° W. and N. 75° E.
1500.0	Cor. No. 3
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap mkd. R. R. Ext.-3, B.D.-4 - 4290.
	No local bearing objects available.
	Thence S. 42° 42' E.
300.	N. E. end center monument and stake.
524.60	Cor. No. 4, which is identical with Cor. No. 3 Cornicopia Extension lode, previously described.
	Thence S. 52° 36' W.
820.	Bed of dry gulch 4 ft. wide, course N. 67° W.
1500.0	Cor. No. 1 and place of beginning.
	BIG DIKE LODE
	Beginning at Cor. No. 1 of the Big Dike lode, which is identical with Cor. Nos. 4, 3 and 2, Red Rock, Black Rock and Red Rock Extension lodes of this Survey, previously described, from which

Survey No. 4290

Feet	The N. $\frac{1}{4}$ Cor. of Sec. 13, T. 7 N., R. 8 E., G. & S.R.M. bears S. $28^{\circ} 23' 50''$ W. 4589.52 ft. dist., previously described.
	Thence N. $42^{\circ} 42'$ W.
270.0	S. W. end center monument and stake.
340.	Pack Trail, 4 ft. wide, bears S. 66° W. and N. 66° E.
370.	Bed of Sycamore Creek, 8 ft. wide, course S. 55° W.
570.	Cor. No. 2, which is identical with Cor. No. 3, Red Rock lode of this Survey, previously described.
	Thence N. $52^{\circ} 36'$ E.
430.	Bed of Sycamore Creek, 6 ft. wide, course S. 8° E.
1500.0	Cor. No. 3.
	Set an iron post 48 ins. long, 2 ins. diam., 24 ins. in the ground and in a mound of earth and stone for Cor. No. 3, with a brass cap, mkd. B.D. 3 - 4290, from which
	Saddle Mountain bears S. $71^{\circ} 30'$ W.
	No other local bearing objects available.
	Thence S. $42^{\circ} 42'$ E.
300.	N. E. end center monument and stake.
570.	Cor. No. 4, which is identical with Cor. No. 3 Red Rock Extension lode of this Survey, previously described.
	Thence S. $52^{\circ} 36'$ W.
1270.	Pack Trail, 4 ft. wide, bears S. 75° W. and N. 75° E.
1280.	Bed of dry gulch, 6 ft. wide, course S. 73° W.
1500.	Cor. No. 1 and place of beginning.

LODE LINES

The presumed course of the vein of each of the several locations embraced in this Survey, counted from the respective points of discovery, is as follows:

Pack Over lode, S. $52^{\circ} 16'$ W. 1180. ft.; and N. $52^{\circ} 16'$ E. 320 ft.

Go By lode, S. $58^{\circ} 55'$ W. 60. ft.; and N. $58^{\circ} 55'$ E. 1375.21 ft.

Ione lode, S. $58^{\circ} 55'$ W. 50. ft.; and N. $58^{\circ} 55'$ E. 1385.21 ft.

Titanic lode, S. $52^{\circ} 16'$ W. 1215. ft.; and N. $52^{\circ} 16'$ E. 285. ft.

Native lode, S. $46^{\circ} 26'$ W. 1445. ft.; and N. $46^{\circ} 26'$ E. 55. ft.

Longus lode, S. $46^{\circ} 26'$ W. 1075 ft.; and N. $46^{\circ} 26'$ E. 425. ft.

Rainbow lode, S. $46^{\circ} 26'$ W. 230. ft.; and N. $46^{\circ} 26'$ E. 1154. ft.

Jasper lode, S. $46^{\circ} 26'$ W. 5. ft.; and N. $46^{\circ} 26'$ E. 1379. ft.

Lallapaloosa lode, S. $39^{\circ} 44'$ E. 720. ft.; and N. $39^{\circ} 44'$ W. 780. ft.

Hard Luck lode, S. $39^{\circ} 44'$ E. 1040. ft.; and N. $39^{\circ} 44'$ W. 460. ft.

Survey No. 4290

Lollipop lode, S.39°44'E. 700. ft.; and N.39°44'W. 800. ft.
 Black Jack No. 6 lode, S.58°55'W. 12 ft.; and N.58°55'E. 1473.52 ft.
 Sunnyside No. 5 lode, S.58°55'W. 1110.52 ft.; and N.58°55'E. 375.00 ft.
 Sulphide No. 1 lode, S.58°55'W. 130.00 ft.; and N.58°55'E. 1182.53 ft.
 Iron Butte No. 2 lode, S.58°55'W. 350.00 ft.; and N.58°55'E. 962.53 ft.
 Silver Butte No. 3 lode, S.58°55'W. 1041.76 ft.; and N.58°55'E. 240.00 ft.
 Silver Tip No. 4 lode, S.58°55'W. 711.76 ft.; and N.58°55'E. 570.00 ft.
 Quicksilver No. 1 lode, S.46°29'W. 887.33 ft.; and N.46°29'E. 10.00 ft.
 Quicksilver No. 2 lode, S.46°29'W. 215.00 ft.; and N.46°29'E. 1252.44 ft.
 Quicksilver No. 3 lode, S.46°29'W. 30.00 ft.; and N.46°29'E. 1437.44 ft.
 Quicksilver No. 4 lode, S.46°29'W. 817.33 ft.; and N.46°29'E. 80.00 ft.
 Wabash lode, S.46°29'W. 1065.35 ft.; and N.46°29'E. 100.00 ft.
 Anaconda lode, S.46°29'W. 270.00 ft.; and N.46°29'E. 895.35 ft.
 Sulphide lode, S.46°29'W. 810.00 ft.; and N.46°29'E. 689.42 ft.
 Mercury lode, S.46°29'W. 540.00 ft.; and N.46°29'E. 959.42 ft.
 Red Rock lode, S.50°11'W. 580. ft.; and N.50°11'E. 920. ft.
 Black Rock lode, S.50°11'W. 1430. ft.; and N.50°11'E. 70. ft.
 Cornicopia lode, S.50°11'W. 440. ft.; and N.50°11'E. 1060. ft.
 Cornicopia Extension lode, S.52°36'W. 50 ft.; and N.52°36'E. 1450. ft.
 Red Rock Extension lode S.52°36'W. 850. ft.; and N.52°36'E. 650 ft.
 Big Dike lode, S.52°36'W. 60. ft.; and N.52°36'E. 1440. ft.

AREAS

	Acres
Total area, Pack Over lode	18.868
Total area, Go By lode	17.750
Total area, Ione lode	16.943
Total area, Titanic lode	18.011
Total area, Native lode	20.659
Area in conflict with -	
Pack Over lode of this Survey	5.090
Total area, Longus lode	20.659
Total area, Rainbow lode	19.061

Survey No. 4290

	Acres
Total area, Jasper lode	19.061
Area in conflict with -	
Pack Over lode of this Survey	3.989
Go By lode of this survey	1.708
Total area, Lallapaloosa lode	20.426
Area in conflict with -	
Titanic lode of this survey	0.014
Total area, Hard Luck lode	20.426
Total area, Lollipop lode	20.426
Total area, Black Jack No. 6 lode	17.537
Total area, Sunnyside No. 5 lode	20.043
Total area, Sulphide No. 1 lode	16.184
Area in conflict with -	
Sunnyside No. 5 lode of this survey	0.573
Total area, Iron Butte No. 2 lode	17.709
Total area, Silver Butte No. 3 lode	15.030
Total area, Silver Tip No. 4 lode	16.626
Total area, Quicksilver No. 1 lode	7.802
Total area, Quicksilver No. 2 lode	12.760
Total area, Quicksilver No. 3 lode	14.420
Total area, Quicksilver No. 4 lode	8.818
Total area, Wabash lode	11.503
Area in conflict with -	
Silver Tip No. 4 lode of this survey	1.137
Total area, Anaconda lode	16.050
Total area, Sulphide lode	20.651
Total area, Mercury lode	18.056
Total area, Red Rock lode	19.603
Total area, Black Rock lode	18.042
Total area, Cornicopia lode	20.635
Total area, Cornicopia Extension lode	20.573
Total area, Red Rock Extension lode	17.988
Total area, Big Dike lode	19.544
LOCATION	
<p>This survey is located in the NW$\frac{1}{4}$ of Sec. 13, T. 7 N., R. 8 E., in unsurveyed Secs. 11-12 and 14, T. 7 N., R. 8 E., and in unsurveyed Secs. 6 and 7 (approximately) T. 7 N., R. 9 E., G. & S.R. M.</p> <p>The survey of each of the 31 lodes of this survey is identical with the respective location or amended location as marked on the ground.</p>	
EXPENDITURE OF \$500.	
<p>I certify that 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 is not less than \$500, and that said improvements consist of:</p>	
PACK OVER LODE	
No. 1.	The discovery cut of the Pack Over lode, the mouth of which is on the lode line, 320 ft. from a point on line 1-2,

Survey No. 4290

- 300 ft. from Cor. No. 2, 5 ft. wide, runs S. 52°W. 13 ft. to a 14 ft. face. At face of cut a tunnel 5 x 7 ft. runs S. 52°W. 20 ft. to a winze 4x6 ft. 50 ft. deep, and 40 ft. to breast of tunnel on a quartz vein, in rock.
Value of cut, tunnel and winze, \$1000.
- No. 2. A cut, the mouth of which is on the lode line 190 ft. from a point on line 1-2, 300 ft. from Cor. No. 2, 5 ft. wide, runs N. 52°E. 12 ft. to portal of tunnel 5 x 7 ft. running N. 52°E. 35 ft. to face.
Value of cut and tunnel, \$400.
- No. 3. A cross cut tunnel, the portal of which bears S. 38°10'W. 592 ft. from Cor. No. 1, Pack Over lode 4½ x 6½ ft., runs S. 36°E. 90 ft. to breast on a quartz vein.
Value, \$900.
- No. 4. A cut, the mouth of which bears S. 22°50'W. 462 ft. from Cor. No. 1 Pack Over lode, 5 ft. wide, runs S. 52°W., 15 ft. to a 12 ft. face and portal of tunnel 4 x 7 ft. running S. 52°W., 58 ft. to breast on a quartz vein.
Value, \$540.
- GO BY LODE
- No. 1. The discovery cut of the Go By lode, the mouth of which is on the lode line 60 ft. from a point on line 4-1, 300 ft. from Cor. No. 1, 20 ft. wide, runs N. 58°55'E., 62 ft. to 20 ft. face, on a quartz ore body.
Value, \$300.
- No. 2. A cut, the mouth of which bears S. 78°30'E. 470 ft. from Cor. No. 1 Go By lode, 5 ft. wide, runs N. 58°E., 16 ft. to a 9 ft. face, on a quartz vein.
Value, \$60.
- No. 3. A cut, the mouth of which bears S. 88°50'E., 740 ft. from Cor. No. 1 Go By lode, 5 ft. wide, runs S. 60°E., 16 ft. to a 6 ft. face, on a quartz vein.
Value, \$50.
- No. 4. A tunnel, the portal of which bears S. 43°E., 350 ft. from Cor. No. 2 Go By lode, 5 x 6½ ft., runs N. 83°30'W. 80 ft. to Sta. A, 150 ft. to Sta. B, and 210 ft. to face, from Sta. A, drifts on a vein, run N. 40°30'E., 70 ft. to face, and S. 40°30'W., 20 ft. to face from Sta. B, drifts on a vein, run N. 42°E., 90 ft. to face, and S. 42°W., 30 ft. to face.
Value of tunnel and drifts, \$5880.
- IONE LODE
- No. 1. The discovery cut of the Ione lode, the face of which is on the lode line, 50 ft. from a point on line 4-1, 300 ft. from Cor. No. 4, 6 ft. wide, 11 ft. face, on a quartz vein, runs S. 9°W., 12 ft. to mouth, in rock.
Value, \$70.
- No. 2. A cut, the mouth of which bears S. 74°E., 160 ft. from Cor. No. 1 Ione lode, 6 ft. wide, runs N. 61°E., 15 ft. to a 10 ft. face and portal of tunnel 5 x 7 ft., 10 ft. long, on a quartz vein.
Value of cut and tunnel, \$175.
- No. 3. A tunnel, the portal of which bears S. 44°55'E., 134 ft. from Cor. No. 1 Ione lode, 6 x 7 ft., bears N. 56°10'E., 382 ft.; thence N. 39°E., 20 ft. to face in rock; partially timbered.
Value, \$6000.
- No. 4. A tunnel, the portal of which bears S. 26°W., 192 ft. from Cor. No. 2 Ione lode, 6 x 7 ft., bears S. 86°30'W., 490 ft. to breast; timbered first 200 ft.
Value, \$7350.

Survey No. 4290

- No. 5 A tunnel, the portal of which bears S. 17°W., 154 ft. from Cor. No. 2 Lone lode, 5 x 7 ft., bears N. 42°W., 47 ft. to breast, in rock.
Value, \$658.
- TITANIC LODE
- No. 1 The discovery cut of the Titanic lode, the mouth of which is on the lode line, 285 ft. from a point on line 1-2, 225 ft. from Cor. No. 1, 5 ft. wide, bears S. 52°16'W., 13 ft. to a 10 ft. face on a quartz vein.
Value, \$65.
- No. 2 A cut, the mouth of which bears S. 6°40'E., 230 ft. from Cor. No. 1 Titanic lode, 5 ft. wide, bears S. 44°W. 26 ft. to a 10 ft. face and portal of tunnel 5 x 6½ ft., bears S. 67°20'W., 142 ft. to breast, in rock.
Value of cut and tunnel, \$2000.
- NATIVE LODE
- No. 1 The discovery cut of the Native lode, the mouth of which is on the lode line, 55 ft. from a point on line 4-1, 300 ft. from Cor. No. 1, 7 ft. wide, bears S. 46°26'W. 15 ft. to a 10 ft. face and portal of tunnel 5 x 6½ ft. bears S. 46°26'W. 2 ft. to breast, on a quartz vein, in rock.
Value of cut and tunnel, \$100.
- No. 2 A cut, the mouth of which bears N. 86°35'W., 342 ft. from Cor. No. 1 Native lode, 6 ft. wide, bears S. 55°W. 16 ft. to a 11 ft. face and portal of tunnel 4 x 6½ ft., bears S. 55°W., 3 ft. to breast, on a quartz vein, in rock.
Value of cut and tunnel, \$125.
- LONGUS LODE
- No. 1 The discovery monument of the Longus lode, which is on the lode line, 425 ft. from a point on line 4-1, 300 ft. from Cor. No. 1.
No value.
- No. 2 A cut, the mouth of which bears S. 86°30'W., 542 ft. from Cor. No. 1 Longus lode; 5 ft. wide, bears S. 24°W., 10 ft. to a 7 ft. face on a quartz vein, in rock.
Value, \$40.
- No. 3 A cut, the mouth of which bears S. 83°45'W., 460 ft. from Cor. No. 1 Longus lode; 5 ft. wide, bears S. 67°W., 13 ft. to a 10 ft. face, on a quartz vein, in rock.
Value \$75.
- RAINBOW LODE
- No. 1 The discovery cut of the Rainbow lode, the mouth of which is on the lode line 230 ft. from a point on line 2-3, 300 ft. from Cor. No. 2; 5 ft. wide, bears N. 46°E. 15 ft. to a 12 ft. face, on a quartz vein in rock.
Value, \$75.
- JASPER LODE
- No. 1 The discovery cut of the Jasper lode, the mouth of which is on the lode line, 5 ft. from a point on line 2-3, 300 ft. from Cor. No. 2; 6 ft. wide, bears N. 46°E., 8 ft. to a 10 ft. face on a quartz vein, in rock.
Value, \$75.
- LALLAPALOOSA LODE
- No. 1 The discovery cut of the Lallapaloosa lode, the mouth of which is on the lode line, 780 ft. from a point on line 4-1, 300 ft. from Cor. No. 1; 5 ft. wide, bears N. 5°E. 14 ft. to a 10 ft. face, on a quartz vein outcrop.
Value, \$75.
- HARD LUCK LODE
- No. 1 The discovery cut of the Hard Luck lode, the mouth of which is on the lode line, 460 ft. from a point on line 1-2, 300 ft. from Cor. No. 1; 5 ft. wide, bears N. 40°W.

Survey No. 4290

- 15 ft. to a 10 ft. face.
Value, \$75.
- No. 2 A cut, the mouth of which bears N. 22° 30' W., 440 ft. from Cor. No. 4 Hard Luck lode; 5 ft. wide, bears N. 68°30'E. 15 ft. to a 10 ft. face, on a quartz vein, in rock.
Value, \$75.
- LOLLIPOP LODE
- No. 1 The discovery cut of the Lollipop lode, the mouth of which is on the lode line, 700 ft. from a point on line 2-3, 300 ft. from Cor. No. 2; 6 ft. wide, bears N. 40°W., 12 ft. to a 10 ft. face, on a quartz vein in rock.
Value, \$75.
- BLACK JACK NO. 6 LODE
- No. 1 The discovery cut of the Black Jack No. 6 lode, the mouth of which is on the lode line, 12 ft. from a point on line 2-3, 300 ft. from Cor. No. 2; 5 ft. wide, bears N. 45°W. 12 ft. to a 10 ft. face on a quartz vein in rock.
Value, \$75.
- No. 2 A cut, the mouth of which bears N. 67°30'E., 420 ft. from Cor. No. 3 Black Jack No. 6 lode, 5 ft. wide, bears N. 45°W., 15 ft. to a 10 ft. face on a quartz vein in rock.
Value, \$100.
- No. 3 A cut, the mouth of which bears S. 36°10'W., 140 ft. from Cor. No. 4 Black Jack No. 6 lode; 6 ft. wide, bears S. 62°E., 15 ft. to a 10 ft. face, and portal of tunnel 5 x 6½ ft., bears S. 62°E., 20 ft. to breast.
Value of cut and tunnel, \$324.
- No. 4 A cut, the mouth of which bears S. 56°E., 60 ft. from Cor. No. 3 Black Jack No. 6 lode; 20 ft. wide, bears N. 56°W. 25 ft. to a 15 ft. face. At face of cut a shaft 5 x 7, 12 ft. deep, in a vein.
Value of cut and shaft, \$250.
- SUNNYSIDE NO. 5 LODE
- No. 1 The discovery shaft, of the Sunnyside No. 5 lode, the center of which is on the lode line, 375 ft. from a point on line 2-3, 300 ft. from Cor. No. 2; 4 x 7 ft. 35 ft. deep to top of a stope on a quartz vein in rock.
Value, \$350.
- No. 2 A tunnel, the portal of which bears S. 84°15'W. 547. ft. from Cor. No. 3 Sunnyside No. 5 lode; 5 x 7 ft., bears N. 6°45'W., 72 ft. to Sta. A and 97 ft. to breast. From Sta. A a drift 5 x 7 ft. bears N. 83°30'E., 31 ft. to Sta. B, and west end of stope; thence N. 48°30'E. 35 ft. to center of winze 4½ x 9 ft. 120 ft. deep; timbered and 47 ft. to breast and east end of stope.
Value of tunnel, drift, \$2625.
Value of winze, \$3000.
- No. 3 A cross cut tunnel, the portal of which bears S. 71°W. 587 ft. from Cor. No. 3 Sunnyside No. 5 lode, 5 x 7 ft., bears N. 35°E. 25 ft.; thence N. 10°E. 60 ft.; thence N. 6°E. 50 ft.; thence N. 20°E. 89 ft.; thence N. 15°W. 32 ft. to Sta. 5 on the vein; thence N. 20°W. 35 ft. to breast of cross cut, and S. 50°E. 18 ft. to center of raise and stope up to No. 2 tunnel level, and 27 ft. to breast of drift on vein.
Value of tunnel and drift, \$4770.
- No. 4 A cut, the mouth of which bears S. 77°20'W. 857 ft. from Cor. No. 3 Sunnyside No. 5 lode, 6 ft. wide, bears N. 47°E. 18 ft. to a 10 ft. face, and portal of tunnel

Survey No. 4290

- 5' x 6 ft., bears N. 48° E. 20 ft. to breast.
Value of cut and tunnel \$350.
- No. 5 A cross cut tunnel, the portal of which bears N. 15° 30' E., 90 ft. from Cor. No. 4, Sunnyside No. 5 lode, 5 x 7 ft., bears N. 83° 20' W., 310 ft. to Sta. 1, 350 ft. to Sta. 2; and 410 ft. to bend; thence N. 47° W., 60 ft. to breast. At Sta. 1 drifts 4 x 6 ft. run S. 38° W., 20 ft. to breast and N. 38° E., 15 ft. to breast on a vein. At Sta. 2 drifts 4 x 6 ft. run S. 33° W., 60 ft. to breast and N. 33° E., 30 ft. to breast on a vein.
Value of tunnel and drifts, \$8610.
- SULPHIDE NO. 1 LODE
No. 1 The discovery cut of the Sulphide No. 1 lode, the mouth of which is on the lode line 130 ft. from a point on line 1-2, 300 ft. from Cor. No. 2, 5 ft. wide, bears N. 59° E. 11 ft. to a 10 ft. face and portal of tunnel 4 x 6 ft. bears N. 59° E. 4 ft. to breast, on a quartz vein in rock.
Value of cut and tunnel \$100.
- IRON BUTTE NO. 2 LODE
No. 1 The discovery monument of the Iron Butte No. 2 lode, which is on the lode line 350 ft. from a point on line 1-2, 300 ft. from Cor. No. 1, 4 ft. at base and 3 ft. high.
No Value.
- No. 2 A cut, the mouth of which bears N. 17° 25' E., 390 ft. from Cor. No. 1, of the Iron Butte No. 2 lode, 5 ft. wide, bears N. 59° E. 12 ft. to a 10 ft. face on a quartz vein.
Value, \$75.
- SILVER BUTTE NO. 3 LODE
No. 1 The discovery cut of the Silver Butte No. 3 lode, the mouth of which is on the lode line 240 ft. from a point on line 3-4, 300 ft. from Cor. No. 4, 5 ft. wide, bears N. 59° E. 13 ft. to a 10 ft. face, on a quartz vein.
Value, \$75.
- SILVER TIP NO. 4 LODE
No. 1 The discovery cut of the Silver Tip No. 4 lode, which is on the lode line 570 ft. from a point on line 3-4, 300 ft. from Cor. No. 3; 5 ft. wide, bears S. 59° W. 13 ft. to a 12 ft. face and portal of a tunnel 4 x 6 ft., bears S. 59° W., 25 ft. to breast, on a quartz vein.
Value of cut and tunnel, \$370.
- QUICKSILVER NO. 1 LODE
No. 1 The discovery cut of the Quicksilver No. 1 lode, the face of which is on the lode line, 10 ft. from a point on line 3-4, 124.00 ft. from Cor. No. 3, 5 ft. wide, 14 ft. face, bears S. 24° E. 15 ft. to mouth; at face of cut, a tunnel 4 x 6 ft. bears N. 24° W. 5 ft. to breast, in a quartz vein.
Value of cut and tunnel, \$150.
- No. 12 A cross cut tunnel, the portal of which bears S. 54° 40' W. 270 ft. from Cor. No. 4 Quicksilver No. 1 lode, 5 x 6½ ft. bears N. 41° W., 190 ft. to breast.
Value, \$2660.
- QUICKSILVER NO. 2 LODE
No. 1 The discovery cut of the Quicksilver No. 2 lode, the face of which is on the lode line 215 ft. from a point on line 1-2, 254.8 ft. from Cor. No. 1, 5 ft. wide, 10 ft. face, bears S. 42° E. 13 ft. to mouth.
Value, \$75.
- QUICKSILVER NO. 3 LODE
No. 1 The discovery cut of the Quicksilver No. 3 lode, the face of which is on the lode line, 30 ft. from a point on line 1-2, 128.09 ft. from Cor. No. 1; 6 ft. wide, 12 ft. face, bears S. 28° W. 20 ft. to mouth, in a quartz vein.
Value, \$100.

Survey No. 4290

QUICKSILVER NO. 4 LODE

- No. 1 The discovery cut of the Quicksilver No. 4 lode, the face of which is on the lode line, 80 ft. from a point on line 3-4, 300 ft. from Cor. No. 3, 6 ft. wide, 10 ft. face, bears S. 42°E. 15 ft. to mouth, in a quartz vein.
Value, \$75.

WABASH LODE

- No. 1 The discovery monument of the Wabash lode which is on the lode line, 100 ft. from a point on line 3-4, 215 ft. from Cor. No. 4, a monument of stone 4 ft. at base and 3 ft. high.
No value.

- No. 2 A cut, the mouth of which bears S. 25°E., 175 ft. from Cor. No. 3, Wabash lode, 5 ft. wide, bears S. 48°W. 10 ft. to a 9 ft. face on a quartz vein.
Value, \$65.

ANACONDA LODE

- No. 1 The discovery cut of the Anaconda lode which is on the lode line 270 ft. from a point on line 1-2, 300 ft. from Cor. No. 1, 6 ft. wide, bears N. 58° 35'E. 13 ft. to a 10 ft. face, and portal of tunnel 5 x 7 ft., bears N. 58° 35'E. 9 ft. to breast, on a quartz vein.
Value of cut and tunnel, \$186.

- No. 2 A cut, the mouth of which bears N. 81° 30'E. 430 ft. from Cor. No. 2 Anaconda lode; 5 ft. wide; bears N. 41°E. 14 ft. to an 8 ft. face, in rock.
Value, \$80.

- No. 3 A tunnel, the portal of which bears N. 60° E. 305 ft. from Cor. No. 2 of the Anaconda lode, 4 x 6½ ft. bears S. 43°E. 31 ft. to breast, in rock.
Value, \$372.

SULPHIDE LODE

- No. 1 The discovery cut of the Sulphide lode, the mouth of which is on the lode line, 810 ft. from a point on line 1-2, 300 ft. from Cor. No. 1, 5 ft. wide; bears N. 46°E. 17 ft. to a 10 ft. face on a quartz vein.
Value \$80.

MERCURY LODE

- No. 1 The discovery cut of the Mercury lode, the mouth of which is on the lode line, 540 ft. from a point on line 1-2, 254.60 ft. from Cor. No. 1, 5 ft. wide; bears N. 46°E. 14 ft. to a 10 ft. face on a quartz vein.
Value, \$75.

- No. 2 A cut, the mouth of which bears N. 4°E. 405 ft. from Cor. No. 1, Mercury lode, 5 ft. wide, bears N. 26°E. 18 ft. to an 8 ft. face.
Value, \$65.

RED ROCK LODE

- No. 1 The discovery cut of the Red Rock lode, the mouth of which is on the lode line, 580 ft. from a point on line 1-2, 270 ft. from Cor. No. 1, 5 ft. wide; bears S. 54°E., 12 ft. to a 10 ft. face on a quartz vein in rock.
Value, \$75.

- No. 2 A cut, the mouth of which bears N. 35°20'E. 460 ft. from Cor. No. 1 Red Rock lode, 5 ft. wide, bears N. 48°E. 18 ft. to a 10 ft. face, on a quartz vein.
Value, \$75.

- No. 3 A cut, the mouth of which bears N. 43°20'E. 650 ft. from Cor. No. 1 Red Rock lode, 5 ft. wide, bears N. 48°E. 24 ft. to a 12 ft. face on a quartz vein.
Value, \$110.

- No. 4 A cut, the mouth of which bears S. 64°W., 470 ft. from Cor.

Survey No. 4290

No. 4 Red Rock lode, 5 ft. wide, bears S. 45°E., 14 ft. to a 6 ft. face, in a quartz vein.
Value, \$75.

BLACK ROCK LODE

No. 1 The discovery cut of the Black Rock lode, the face of which is on the lode line 70 ft. from a point on line 3-4, 300 ft. from Cor. No. 3; 6 ft. wide; 15 ft. face; bears N. 43°W., 20 ft. to mouth, on a quartz vein.
Value, \$100.

No. 2 A tunnel, the portal of which bears S. 88° 30'W. 342 ft. from Cor. No. 4 Black Rock lode; 5 x 7 ft., bears N. 47° E. 120 ft. to face,
Value, \$1600.

No. 3 A cut, the mouth of which bears N. 64°E., 280 ft. from Cor. No. 2 Black Rock lode, 5 ft. wide, bears S. 63°W., 20 ft. to a 14 ft. face.
Value, \$120.

No. 4 A cut, the mouth of which bears N. 56°30'E., 406 ft. from Cor. No. 2 Black Rock lode, 5 ft. wide, bears N. 50°E. 15 ft. to an 8 ft. face and portal of tunnel 4 x 6 ft. bears N. 52°E. 50 ft. to face on a quartz vein.
Value, \$740.

No. 5 A cut, the mouth of which bears N. 54°30'E. 580 ft. from Cor. No. 2 Black Rock lode, 5 ft. wide, bears N. 54°E. 40 ft. to a 10 ft. face, at face of cut a shaft, 4 x 6 ft. 20 ft. deep, all on a quartz vein.
Value of cut and shaft, \$400.

No. 6 A cut, the mouth of which bears N. 54°40'E., 930 ft. from Cor. No. 2, 5 ft. wide, bears N. 55°E., 15 ft. to a 10 ft. face, on a quartz vein.
Value, \$85.

No. 7 A cut, the mouth of which is on the lode line 490 ft. from a point on line 1-2, 224.60 ft. from Cor. No. 1, 5 ft. wide, bears S. 41°E., 12 ft. to an 8 ft. face.
Value, \$65.

CORNICOPIA LODE

No. 1 The discovery tunnel of the Cornicopia lode, the portal of which is on the lode line 440 ft. from the center of line 1-2, 300 ft. from Cor. No. 1, 5 x 7 ft.; bears N. 51° 40'E. 130 ft. to Sta. 1. Thence N. 55°30'E., 240 ft. to breast, on a quartz vein; at Sta. 1, cross cuts 5 x 7 ft. bear N. 32°W., 20 ft. to breast and S. 40°E. 15 ft. to breast.
Value of tunnel and cross cuts, \$5670.

No. 2 A tunnel, the portal of which bears S. 85°25'E., 280 ft. from Cor. No. 1 Cornicopia lode, 5 x 7 ft., bears S. 82° 15'E. 130 ft.; thence N. 67°30'E. 180 ft.; thence N. 55° 40'E. 120 ft.; thence N. 75°30'E. 60 ft. to Sta. 4; thence N. 35°30'E. 100 ft. to Sta. 5; thence N. 50°E. 40 ft. to Sta. 6, 70 ft. to Sta. 7, 100 ft. to Sta. 8 and 170 ft. to breast of tunnel on a quartz vein. At Sta. 4 a raise 5 x 7, 85 ft. and stopes both ways. At Sta. 6, a cross cut, 5 x 7 ft. bears N. 18°W. 50 ft. to breast; at Sta. 7, a cross cut, 5 x 7 ft., bears S. 43°E., 30 ft. to breast; and at Sta. 8, a cross cut, 5 x 7 ft. bears N. 16° W. 30 ft. to breast, all in rock.
Value of tunnel, raise and cross cuts, \$13,370.

No. 3 A cut, the mouth of which bears N. 70° 30'E., 734 ft. from Cor. No. 1 Cornicopia lode, 5 ft. wide, bears N. 54°E. 23 ft. to a 10 ft. face; at face of cut a shaft, 4 x 7 ft.

Survey No. 4290

- 10 ft. deep, all on a quartz vein.
Value of cut and shaft, \$220.
- CORNICOPIA EXTENSION LODE
- No. 1 The discovery cut of the Cornicopia Extension lode, the mouth of which is on the lode line, 50 ft. from a point on line 1-2, 300 ft. from Cor. No. 1, 5 ft. wide, bears S. 10°W. 14 ft. to an 8 ft. face, on a quartz vein.
Value, \$85.
- RED ROCK EXTENSION LODE
- No. 1 The discovery cut of the Red Rock Extension lode, the mouth of which is on the lode line, 850 ft. from a point on line 1-2, 300 ft. from Cor. No. 2, 5 ft. wide, bears N. 53° E., 14 ft. to a 9 ft. face, on a quartz vein.
Value, \$85.
- No. 2 A tunnel, the portal of which bears S. 54°30'E., 168 ft. from Cor. No. 2 Red Rock Extension lode; 5 x 7 ft., bears S. 28°E. 40 ft. Thence S. 31°E. 90 ft. to Sta. 1, 140 ft., Sta. 2 and 200 ft. to breast; at Sta. 1 a drift 4 x 7 ft. bears S. 53°W. 20 ft. to breast, and at Sta. 2 a drift 4 x 7 ft. bears S. 54°W. 30 ft. to breast.
Value of tunnel and drifts, \$4060.
- No. 3 A tunnel, the portal of which bears N. 56° 20'E. 150 ft. from Cor. No. 2 Red Rock Extension lode, 5 x 7 ft., bears S. 25°E. 157 ft. to breast.
Value, \$2198.
- BIG DIKE LODE
- No. 1 The discovery monument of the Big Dike lode, which is on the lode line 60 ft. from a point on line 1-2, 270 ft. from Cor. No. 1, a monument of stone 4 ft. at base and 3 ft. high.
No value.
- No. 2 A cut, the mouth of which bears S. 68°40'E., 335 ft. from Cor. No. 2, Big Dike lode, 5 ft. wide, bears S. 60° E. 15 ft. to a 10 ft. face on a quartz vein.
Value, \$85.
- No. 3 A cut, the mouth of which bears N. 43° E., 400 ft. from Cor. No. 1 Big Dike lode, 5 ft. wide, bears N. 30°E. 20 ft. to a 10 ft. face.
Value, \$100.
- An interest in a common improvement described as follows:
- A shaft, the center of which bears N. 50°15' W. 196 ft. from Cor. No. 2 Pack Over lode, 4½ x 9 ft., 300 ft. deep, timbered.
- At the 50 ft. level in said shaft, a cross cut, 5 x 7 ft. in size, runs N. 31°30'W. 7 ft. to Sta. 1, 55 ft. to Sta. 2, and 60 ft. to breast. At Sta. 1 a drift 5 x 7 ft. in size, runs N. 48°E. 20 ft. to Sta. 3 in Haulage Tunnel; at Sta. 2 a drift 5 x 7 ft. in size, runs N. 54°E., 22 ft. to Sta. 4 in haulage tunnel; and S. 54°W., 20 ft. to breast; at Sta. 3 in haulage tunnel, 8 x 7 ft. in size, the tunnel runs S. 34°45'E. 32 ft. to pt. A, 155 ft. to portal of tunnel, and N. 34°45'W. 47 ft. to Sta. 4 in haulage tunnel. From Sta. 4, a cross cut, 5 x 7 ft. in size, runs N. 48°15'W. 26 ft. to pt. B and a stope drift 7 x 7 ft. in size, runs N. 53°30'E., 52 ft. to pt. C. Thence S. 71°15'E., 25 ft. to breast.
- From pt. A, a drift 5 x 7 ft. runs N. 30°40'E. 27 ft.; Thence N. 6°45'W. 18 ft.; thence N. 14°E. 23 ft. to pt. A-1; at pt. A-1 a drift 5 x 7 ft. runs S. 59°W., 30 ft. to breast and N. 59°E. 47 ft. to pt. A-2; at pt. A-2 the

Survey No. 4290

drift runs N. $40^{\circ}30'E$. 52 ft. to pt. A-3, and a cross cut 5 x 7 ft. runs N. $39^{\circ}W$., 20 ft. to pt. A-4, 31 ft. to a center of a raise 4 x 8 ft. up 40 ft., and 45 ft. to breast.

At pt. A-4 drifts 5 x 7 ft. run S. $61^{\circ}30'W$. 27 ft. to breast and N. $61^{\circ}E$. 23 ft. to breast and east end of raise 4 x 8 ft. 50 ft. high into stope.

At pt. A-3 the drift runs N. $17^{\circ}40'E$. 7 ft. to west end of raise 4 x 8 ft. up 50 ft. into stope, 26 ft. to pt. A-5; thence N. $40^{\circ}W$. 31 ft. to face of a cross cut, 17 ft. to center of a raise 4 x 8 ft. up 40 ft. into stope, and N. $29^{\circ}45'E$. 30 ft. to pt. A-6; thence N. $32^{\circ}20'W$. 77 ft. to breast of a cross cut, and N. $63^{\circ}10'E$. 15 ft. to pt. A-7.

At pt. A-7 the drift runs N. $63^{\circ}10'E$. 73 ft. to breast, and a cross cut 4 x 7 ft. runs S. $27^{\circ}E$. 43 ft. to breast.

At pt. B, a drift 5 x 7 ft. runs S. $73^{\circ}W$. 141 ft. to pt. B-1 and 160 ft. to pt. B-2; thence S. $40^{\circ}20'W$. 53 ft. to pt. B-3; thence S. $50^{\circ}30'W$. 57 ft. to breast.

At pt. B-1 a cross cut 5 x 7 ft. runs south 28 ft. to center of a raise 4 x 7 ft. 40 ft. high, and 38 ft. to breast.

At pt. B-3 a cross cut 4 x 7 ft. runs N. $68^{\circ}W$. 20 ft. to breast and S. $42^{\circ}E$. 14 ft. to pt. B-4.

At pt. B-4 a drift 5 x 7 ft. runs N. $40^{\circ}E$. 11 ft. to breast and east end of stope, and S. $39^{\circ}45'W$. 47 ft. to pt. B-5; thence S. $53^{\circ}W$. 87 ft. to breast, west end of stope and raise 90 ft. into Pack Over discovery tunnel.

On the 100 ft. level of said shaft a cross cut 5 x 7 ft. runs N. $33^{\circ}E$. 10 ft. to Sta. 1, and 52 ft. to Sta. 2; thence N. $39^{\circ}W$. 17 ft. to Sta. 3, and 37 ft. to breast.

At Sta. 1 drifts 5 x 7 ft., run N. $52^{\circ}30'E$. 20 ft. to breast, and S. $52^{\circ}30'W$. 52 ft. to Sta. 4 and 73 ft. to breast.

At Sta. 4, a cross cut, 5 x 7 ft. runs S. $30^{\circ}E$. 7 ft. to breast and N. $30^{\circ}W$. 38 ft. to drift from Sta. 2.

At Sta. 2, drifts 5 x 7 ft., run S. $60^{\circ}W$. 70 ft.; thence S. $88^{\circ}W$. 45 ft. to breast, and N. $53^{\circ}E$. 89 ft.; thence N. $56^{\circ}20'E$. 94 ft. to breast, and raise 4 x 8 ft. up 50 ft. to 50 ft. level.

At Sta. 3, a drift 5 x 7 ft. runs S. $60^{\circ}W$. 31 ft. to breast.

At the 150 ft. level in said shaft, a cross cut 5 x 7 ft. runs N. $31^{\circ}30'W$. 15 ft. to pt. 1, 53 ft. to pt. 2, 75 ft. to pt. 3 and 105 ft. to breast.

At pt. 1 a drift 5 x 7 ft. runs N. $49^{\circ}E$. 25 ft. to breast, and S. $50^{\circ}30'W$. 63 ft. to pt. 4; thence N. $89^{\circ}W$. 20 ft. to pt. 5.

At pt. 5 a cross cut, 5 x 7 ft. runs S. $44^{\circ}E$. 10 ft. to breast and N. $44^{\circ}W$. 57 ft. to pt. 6.

At pt. 2 a drift, 5 x 7 ft., runs N. $47^{\circ}E$. 50 ft. to pt. 7 at junction of veins.

Survey No. 4290

At pt. 3 a drift 5 x 7 ft., runs S. $56^{\circ}25'W$. 82 ft. to pt. 6 and N. $73^{\circ}E$. 50 ft. to pt. 7, beginning of stope, 8 to 10 ft. wide; thence N. $72^{\circ}E$. 58 ft. to breast of drift, 10 ft. wide, east end of stope and beginning of raise 4 x 8 ft., 100 ft. up to 50 ft. level.

At pt. 6 a drift 5 x 7 ft. runs S. $52^{\circ}10'W$. 15 ft. to pt. 8 and 55 ft. to pt. 9.

At pt. 8 a cross cut 5 x 7 ft. runs N. $58^{\circ}W$. 17 ft. to pt. 10, 38 ft. to pt. 11, and 66 ft. to breast.

At pt. 10, a drift 5 x 7 ft. runs S. $47^{\circ}W$. 40 ft. to breast.

At pt. 11 a drift 4 x 7 ft. runs S. $44^{\circ}W$. 31 ft. to breast.

At pt. 9 a drift 5 x 7 ft., runs S. $71^{\circ}30'W$. 19 ft. to pt. 12 and 57 ft. to pt. 13; thence S. $60^{\circ}W$. 97 ft.; thence S. $45^{\circ}W$. 36 ft. to breast and raise 4 x 8 ft., 100 ft. up to 50 ft. level.

At pt. 12, a cross cut 5 x 7 ft., runs N. $28^{\circ}20'W$. 51 ft. to breast.

At pt. 13 a cross cut 5 x 7 ft. runs N. $30^{\circ}W$. 20 ft. to breast.

At the 200 ft. level in said shaft a cross cut 5 x 7 ft., runs N. $31^{\circ}W$. 15 ft. to pt. 1, 54 ft. to pt. 2, 70 ft. to pt. 3, and 82 ft. to breast.

At pt. 1, drifts 5 x 7 ft., run N. $54^{\circ}E$. 44 ft. to breast and S. $54^{\circ}W$. 66 ft. to breast and raise 50 ft. to 150 ft. level.

At pt. 2 drifts 5 x 7 ft., run S. $54^{\circ}W$. 80 ft. to center of raise, up 50 ft. to 150 ft. level and 105 ft. to breast, and N. $52^{\circ}30'E$. 115 ft. to pt. 4; thence N. $58^{\circ}E$. 170 ft. to breast.

At pt. 4 a raise 4 x 8 ft. up 50 ft. to 150 ft. level.

At pt. 3, a drift 5 x 7 ft., runs S. $65^{\circ}W$. 96 ft. to center of raise 4 x 8 ft., up 50 ft. to 150 ft. level and 110 ft. to breast.

At the 250 ft. level in said shaft, a cross cut 5 x 7 ft., runs N. $31^{\circ}30'W$. 50 ft. to pt. 1 and 185 ft. to breast.

At pt. 1, drifts 5 x 7 ft., run S. $59^{\circ}30'W$. 155 ft. to breast and N. $57^{\circ}30'E$. 145 ft.

Value of shaft, drifts, cross cuts, raises and tunnel; \$60,760.

Value of a one thirty-first interest \$1960.

This improvement is in course of construction for the joint development of all of the lodes of this survey, which are all of the contiguous lode claims owned in common within the range of benefit from said shaft.

This shaft is situated on the hillside 50 ft. above the bed of Mill Canon Creek, and the portal of the haulage tunnel is connected with a level tram track running around the mountain side to the ore bins a few feet above the large milling plant on the Lallapaloosa lode of this survey, where the ores from the entire group are processed.

Survey No. 4290

The ground rises rapidly to the north, southwest and northeast of the collar of this shaft, and the extension of the several levels in their present course, with necessary laterals and cross cuts, affords a practical and economical means of developing each of the stated lodes at depth.

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-thirty-first interest in its value is hereby credited to each of said lodes.

No portion of or interest in this improvement has been credited heretofore as patent expenditure to any other lode claim.

OTHER IMPROVEMENTS

A frame and iron hoist room, the S.W. corner of which bears N. $33^{\circ}55'$ W. 182 ft. from Cor. No. 4 Go By lode, 14 x 16 ft. in size; course of long sides, N. 60° E.

A frame and iron machine shop, the S.W. Cor. of which bears S. $44^{\circ}55'$ E. 75 ft. from Cor. No. 1 Lone lode, 14x20 ft. in size; course of long sides S. $62^{\circ}30'$ E.

A frame and iron tool house, the N.W. Cor. of which bears S. 26° E. 20 ft. from Cor. No. 1 Titanic lode, 12 x 14 ft. in size; course of long sides S. 52° E.

A frame and iron shower and change room, the N. W. Cor. of which bears S. 47° W. 60 ft. from Cor. No. 1 Titanic lode, 20 x 34 ft. in size; course of long sides, S. $56^{\circ}40'$ E.

A plank and timber ore bin, the S.W. Cor. of which bears S. $80^{\circ}20'$ E. 210 ft. from Cor. No. 4 Lone lode, 20 x 24 ft., 8 ft. high and 16 ft. deep; course of long sides S. $85^{\circ}40'$ E.

A frame and iron Mercury mill building, the S.W. Cor. of which bears S. $62^{\circ}40'$ E. 292 ft. from Cor. No. 4 Lone lode, 44 x 100 ft. in size; course of long sides S. $49^{\circ}40'$ E.

A frame and iron office and assay room, the N.E. Cor. of which bears S. $5^{\circ}30'$ W. 275 ft. from Cor. No. 1 Lallapaloosa lode, 20 x 58 ft. in size; course of long sides S. 58° E.

A frame and iron power plant building, the N.E. Cor. of which bears S. $8^{\circ}40'$ E. 348 ft. from Cor. No. 1 Lallapaloosa lode, 20 x 40 ft. in size; course of long sides S. 46° W. with an ell on the S.E. side 20 x 36 ft. in size; course of long sides, S. 44° E.

A frame and iron mess hall, the N.E. Cor. of which bears S. $34^{\circ}55'$ E. 825 ft. from Cor. No. 1 Lallapaloosa lode, 22 x 48 ft. in size; course of long sides S. 29° E., with an addition at the S.E. Cor. 14 x 16 ft. in size; course of long sides S. 29° E.

A frame and iron bunk house, the S. E. Cor. of which bears N. $67^{\circ}40'$ W. 578 ft. from Cor. No. 2 Lallapaloosa lode, 12 x 16 ft. in size; course of long side N. 1° W.

A frame and iron bunk house, the S. E. Cor. of which bears N. 67° W. 627 ft. from Cor. No. 2 Lallapaloosa lode, 16x34 ft. in size; course of long sides N. $58^{\circ}20'$ W.

Survey No. 4290

A frame and iron bunk house, the S.E. Cor. of which bears N. $66^{\circ}10'W$. 666 ft. from Cor. No. 2 Lallapaloosa lode, 12 x 20 ft. in size; course of long sides N. $58^{\circ}W$.

A frame and iron bunk house, the S. E. Cor. of which bears N. $66^{\circ}W$. 690 ft. from Cor. No. 2 Lallapaloosa lode, 14 x 16 ft. in size; course of long sides, N. $58^{\circ}W$.

A frame and iron house, the N. E. Cor. of which bears S. $34^{\circ}50'E$. 704 ft. from Cor. No. 1 Lallapaloosa lode, 14 x 18 ft. in size; course of long sides, S. $5^{\circ}E$.

A frame and iron bunk house, the N.W. Cor. of which bears S. $37^{\circ}50'E$. 728 ft. from Cor. No. 1 Lallapaloosa lode, 10 x 18 ft.; course of long sides S. $8^{\circ}30'W$.

A frame and iron bunk house, the N.W. Cor. of which bears S. $39^{\circ}05'E$. 713 ft. from Cor. No. 1 Lallapaloosa lode, 10 x 18 ft.; course of long side S. $8^{\circ}30'W$.

A frame and iron bunk house, the N.W. Cor. of which bears S. $42^{\circ}10'E$. 638 ft. from Cor. No. 1 Hard Luck lode, 12x16 ft. in size; course of long sides S. $23^{\circ}30'W$.

A frame and iron bunk house, the N.W. Cor. of which bears S. $45^{\circ}05'E$. 614 ft. from Cor. No. 1 Hard Luck lode, 12x14 ft. in size; course of long sides S. $37^{\circ}W$.

A frame and iron bunk house, the N.W. Cor. of which bears S. $48^{\circ}E$. 615 ft. from Cor. No. 1 Hard Luck lode, 12 x 16 ft. in size; course of long sides, S. $30^{\circ}W$.

A frame and iron house, the N.W. Cor. of which bears S. $52^{\circ}10'E$. 608 ft. from Cor. No. 1 Hard Luck lode, 14x30 ft. in size; course of long sides S. $27^{\circ}W$.

A frame and iron house, the N.W. Cor. of which bears S. $56^{\circ}40'E$. 610 ft. from Cor. No. 1 Hard Luck lode, 14x30 ft. in size; course of long sides S. $26^{\circ}W$.

A frame and log cabin, the S.E. Cor. of which bears N. $19^{\circ}20'W$. 130 ft. from Cor. No. 1, Black Rock lode, 12x20 ft. in size; course of long sides N. $60^{\circ}W$.

Claimant of each herein:

OTHER CORNER DESCRIPTIONS

A diligent search was made for the $W\frac{1}{4}$ Cor. and the N.E. Cor. of Sec. 13, T. 7 N., R. 8 E., Gila and Salt River Meridian, but no evidence of said corners could be found.

NOTE: The discrepancies between these field notes and the location and amended location certificates in regard to the courses and distances of the boundary lines and ties, are due to errors in the latter.

The north boundary of the $NW\frac{1}{4}$ Sec. 13, T. 7 N., R. 8 E., was found to be S. $87^{\circ}48'12''W$. 2681.8 ft., instead of N. $89^{\circ}58'W$. 39.89 chs., as approved.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
BUREAU OF LAND MANAGEMENT

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Edward L. Haff

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 _____

George L. Machris ; Known as the

PACK OVER, GO BY, IONE, TITANIC, NATIVE, LONGUS, RAINBOW, JASPER, LALLAPALOOSA, HARD LUCK, LOLLIPOP, BLACK JACK NO. 6, SUNNYSIDE NO. 5, SULPHIDE NO. 1, IRON BUTTE NO. 2, SILVER BUTTE NO. 3, SILVER TIP NO. 4, QUICKSILVER NO. 1, QUICKSILVER NO. 2, QUICKSILVER NO. 3, QUICKSILVER NO. 4, WABASH, ANACONDA, SULPHIDE, MERCURY, RED ROCK, BLACK ROCK, CORNICOPIA, CORNICOPIA EXTENSION, RED ROCK EXTENSION, and BIG DIKE lodes.

_____, Chairman.
_____, Axman.
_____, Flagman.

FINAL OATHS OF ASSISTANTS

~~We~~, I, Roy A. Mathewson

~~and~~ _____, do solemnly swear that we assisted _____

Edward L. Haff, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of George L. Machris

known as the _____ (See , Above)

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

Roy A Mathewson, Chairman.

_____, Chairman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 1st

day of November, 1945

Anne M. Young
Notary Public

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
BUREAU OF LAND MANAGEMENT

FINAL OATH OF MINERAL SURVEYOR

I, Edward L. Haff, Mineral Surveyor,

do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated January 22, 1945,

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 George L. Machris;

Known as the

PACK OVER, GO BY, IONE, TITANIC, NATIVE, LONGUS, RAINBOW, JASPER, LALLAPALOOSA, HARD LUCK, LOLLIPOP, BLACK JACK NO. 6, SUNNYSIDE NO. 5, 4, SULPHIDE NO. 1, IRON BUTTE NO. 2, SILVER BUTTE NO. 3, SILVER TIP NO. 4, QUICKSILVER NO. 1, QUICKSILVER NO. 2, QUICKSILVER NO. 3, QUICKSILVER NO. 4, WABASH, ANACONDA, SULPHIDE, MERCURY, RED ROCK, BLACK ROCK, CORNICOPIA, CORNICOPIA EXTENSION, RED ROCK EXTENSION, and BIG DIKE lodes.

11, 12 and 14, Township No. 22 N., Range No. 10 E. and unsurveyed Secs. 6 & 7, T.7 N., R.9 E. and designated as Survey No. 4290, 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.

Edward L. Haff
(Mineral Surveyor)

Subscribed and sworn to by the said Edward L. Haff

Mineral Surveyor, before me Anne M. Young

this ninth

day of July, 1946

Anne M. Young
Notary Public in and for Los Angeles County, State of California

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

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

At Phoenix, Arizona

October 8, 1946

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 George L. Machris, known as the PACK OVER, GO BY, IONE, TITANIC, NATIVE, LONGUS, RAINBOW, JASPER, LALLAPALOOSA, HARD LUCK, LOLLIPOP, BLACK JACK No. 6, SUNNYSIDE No. 5, SULPHIDE No. 1, IRON BUTTE No. 2, SILVER BUTTE No. 3, SILVER TIP No. 4, QUICKSILVER No. 1, QUICKSILVER No. 2, QUICKSILVER No. 3, QUICKSILVER No. 4, WABASH, ANACONDA, SULPHIDE, MERCURY, RED ROCK, BLACK ROCK, CORNICOPIA, CORNICOPIA EXTENSION, RED ROCK EXTENSION and BIG DIKE lodes

situate in Sunflower mining district,

Maricopa County, Arizona

Sec. 13 and uns'd. Secs. 11, 12 & 14, T. 7 N., R. 8 E., and approx. uns'd. Sections 6 and 7, Township No. 7 North, Range No. 9 East, G. & S.R.M.

, designated as Survey No. 4290

executed by Edward L. Haff, Mineral

Surveyor, June 9th to November 1, 1945, under my instructions dated

January 22, 1945, 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.

Frank W. Chapin Office Cadastral Engineer.

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)
BUREAU OF LAND MANAGEMENT M.S. 4290
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Pack Over, Go By, Ione, Titanic, Native, Longus, Rainbow, Jasper, Lallapaloosa, Hard Luck, Lollipop, Black Jack No. 6, Sunnyside No. 5, Sulphide No. 1, Iron Butte No. 2, Silver Butte No. 3, Silver Tip No. 4, Quicksilver No. 1, Quicksilver No. 2, Quicksilver No. 3, Quicksilver No. 4, Wabash, Anaconda, Sulphide, Mercury, Red Rock, Black Rock, Cornicopia, Cornicopia Extension, Red Rock Extension and Big Dike lodes, Mineral Survey No. 4290, located in protracted sections 6 and 7 of Township 7 North, Range 9 East and protracted sections 11, 12 and 14 and section 13 of Township 7 North, Range 8 East, Gila and Salt River Meridian, Arizona, are hereby cancelled.

These claims have not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

The Pack Over, Go By, Ione, Titanic, Native, Longus, Rainbow, Jasper, Lallapaloosa, Hard Luck, Lollipop, Black Jack No. 6, Sunnyside No. 5, Sulphide No. 1, Iron Butte No. 2, Silver Butte No. 3, Silver Tip No. 4, Quicksilver No. 1, Quicksilver No. 2, Quicksilver No. 3, Quicksilver No. 4, Wabash, Anaconda, Sulphide, Mercury, Red Rock, Black Rock, Cornicopia, Cornicopia Extension, Red Rock Extension and Big Dike lodes, M.S. 4290 were cancelled December 8, 2005, by memo 9605 (956) M.S. 4290, which is now a part of the original field notes."

December 8, 2005
Date

Stephen K. Hansen
Chief Cadastral Surveyor of Arizona