

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4402

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

PIMA MINING COMPANY

Known As The

Alpha No. 1, Alpha No. 2, Alpha No. 9, Alpha No. 10, Alpha No. 11, Alpha No. 16, Alpha No. 24, Alpha No. 25, Alpha No. 26, Alpha No. 27, Alpha No. 28, Alpha No. 29, Alpha No. 30 and Alpha Fraction Lodes

PIMA Mining District,

Pima County, Arizona

Section 31, Township 16 South, Range 13 East,

Section 1, T. 17 S., R. 12 E., and Sec. 6, T. 17 S., R. 13 E.

Surveyed under order dated February 13, 1956

by Harlow D. Phelps  
Mineral Surveyor.

Claim located See back of this page, 19

Survey commenced February 15, 19 56

Survey completed April 30, 19 56

Address of claimant 3407 S. Park Ave., Tucson, Arizona

DATES OF AMENDED LOCATIONS

See back of this page

	Claim Located	Date of Amended Location
Alpha No. 1	May 31, 1951	January 6, 1956
Alpha No. 2	June 1, 1951	"
Alpha No. 9	August 3, 1951	"
Alpha No. 10	"	"
Alpha No. 11	"	"
Alpha No. 16	August 6, 1951	"
Alpha No. 24	May 4, 1953	"
Alpha No. 25	"	"
Alpha No. 26	"	"
Alpha No. 27	"	"
Alpha No. 28	October 29, 1953	"
Alpha No. 29	"	"
Alpha No. 30	"	"
Alpha Fraction	May 16, 1952	January 20, 1956

This survey was made with a Gurley No. 92 Precise transit No. 241014 with horizontal limb 5.65 ins. diam., having two double opposite verniers and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc; also two attachable eye pieces, both equipped with colored glass shade set in the dust shutter and one equipped with a prism for making direct observation upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by an observation made by me May 23, 1952 and submitted with Survey No. 4371, which adjoins this survey, having certain identical corners and being a projection of the same end line and side line as shown on the map and described in the field notes.

The lines were measured with a Lufkin steel tape 500 ft. in lengths, graduated every foot for the entire length, each end foot being graduated to tenths and hundredths; the tape was compared with a Lufkin standard at a time before the beginning of the survey and found to be correct.

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

The geographic position of the corner of Ts. 16 and 17 S., Rs. 12 and 13 E., G. & S.R.Mer., as furnished by the Office Cadastral Engineer, is Latitude  $31^{\circ} 59' 10''$  N., and Longitude  $111^{\circ} 03' 45''$  W.

The magnetic declination observed at each corner of the survey gave a uniform value of  $14^{\circ} 30'$  E.

ALPHA NO. 1 LODGE

Feet

At cor. No. 1 of the Alpha No. 1 lode of this survey, identical with cor. No. 4 Sur. No. 4371, Union No. 2 lode

Found a small iron pin 4 ins. below the surface of road, for this corner from which

Witness cor. No. 4 Sur. No. 4371, Union No. 2 lode, bears N.  $11^{\circ} 36'$  W., 17.21 ft.

Found an iron post, 1 in. diam., with concrete base and brass cap mkd. U.S.M.S. X W.C. U2-4-4371. To the post I fastened, with copper wire, an aluminum tag mkd. U.S.M.S. W.C. A1-1-4402.

The cor. of secs. 1, 2, 35 and 36, Ts. 16 and 17 S., R. 12 E., G. & S.R.M., Arizona, bears N.  $52^{\circ} 32'$  W., 1987.0 ft. dist.; a limestone rock set in concrete and marked as described in the official record.

No local bearing objects or bearing trees available.

Thence S.  $89^{\circ} 41'$  E.

50.2

Intersect line 3-4 Sur. No. 3726, Plumed Knight No. 2 lode, at a point from which cor. No. 4 bears N.  $0^{\circ} 48'$  W., 264.09 ft. dist.

Feet	
532.0	Road bears S. 30° W. and N. 30° E.
980.	Road and power line, bear N. 49° W. and S. 49° E.
1400.	Center of drainage trench, 40 ft. wide, bears N. 44° W. and S. 44° E.
1500.0	Cor. No. 2, identical with cor. No. 3 Sur. No. 4371, Union No. 2 lode, Cor. No. 3 Sur. No. 4371 Alpha No. 3 lode, and cor. No. 3 Alpha No. 2 lode of this survey. Found an iron post, 1 in. diam., with concrete base and brass cap mkd. U.S.M.S. X U2-3-A3-3-4371. On concrete base I chiseled A1-2-A2-3-4402.
	No local bearing objects or bearing trees available. Thence S. 11° 36' E.
100.	Power line bears East and West.
130.	Center of drainage ditch, bears NW and SE.
306.61	Point on lode line, marked by 4 x 4 in. post standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 750 ft. dist.
480.	Wash, 80 ft. wide, drains N. 85° E.
545.	Power line and road bears N. 49° W. and S. 49° E.
613.22	Cor. No. 3, identical with cor. No. 2 Alpha No. 2, cor. No. 3 Alpha No. 11, and cor. No. 4 Alpha No. 16 lodes, all of this survey. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground and with 14 x 14 in. concrete base, 6 ins. to top, with brass cap mkd. U.S.M.S. X A1-3-A2-2-A11-3-A16-4-4402. No local bearing object or bearing trees available. Thence N. 89° 41' W.
1410.	Road, bears S. 30° W. and N. 30° E.
1500.0	Cor. No. 4, identical with cor. No. 3 Alpha No. 16 lode of this survey. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground and with 14 x 14 in. concrete base, 6 ins. to top, with brass cap mkd. U.S.M.S. X A1-4-A16-3-4402. No local bearing objects or bearing trees available. Thence N. 11° 36' W.
306.61	Point on lode line, marked by 4 x 4 in. post standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 750 ft. dist.
330.	Wash, 40 ft. wide, drains East.
345.72	Intersect line 3-4 Sur. No. 3726 Plumed Knight No. 2 lode, at a point from which cor. No. 3 bears S. 0° 48' E., 97.05 ft. dist., and its intersection with line 1-2 of this lode bears N. 0° 48' W., 261.98 ft. dist.
613.22	Cor. No. 1 and place of beginning.



Feet	ALPHA NO. 2 LODE
	At cor. No. 1 of the Alpha No. 2 lode, identical with cor. No. 1 Alpha No. 9 lode, cor. No. 2 Alpha No. 10 lode and cor. No. 4 Alpha No. 11 lode of this survey.
	Set an iron post, 3 ft. long, 1 in. diam., in ground to bedrock, and with 14 x 14 in. concrete base, about 14 ins. to top, with brass cap mkd. U.S.M.S. X A2-1-A9-1-A10-2-A11-4-4402.
	The $\frac{1}{4}$ sec. cor. of secs. 1 and 6, Ts. 17 S., Rs. 12 and 13 E., G. & S.R.M., Arizona, bears S. 35° 37' E., 1026.9 ft. dist., a 2 in. lead capped pipe, 6 ins. above ground with concrete base about 2 ins. to top and mkd. $\frac{1}{4}$ 1-6.
	No local bearing objects or bearing trees available.
	Thence N. 89° 41' W.
810.	Power line transformer station.
995.	Diversion dike bears N. 35° W. and S. 35° E.
1150.	Drainage trench, bears NW and SE.
1270.	Wash, 70 ft. wide, drains N. 57° E., 30 ft. dist. to drainage trench.
1430.	Power line and road, bears NW and SE.
1500.0	Cor. No. 2, identical with cor. No. 3 Alpha No. 1 lode, cor. No. 4 Alpha No. 16 lode, and cor. No. 3 Alpha No. 11 lode, all of this survey.
	Thence N. 11° 36' W.
68.22	Road and power line, bears N. 49° W. and S. 49° E.
133.22	Wash, drains N. 85° E.
306.61	Point on lode line, marked by 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 275 ft. dist.
483.22	Center of drainage trench, bears NW and SE.
513.22	Power line, bears E. and W.
613.22	Cor. No. 3, identical with cor. No. 3 Sur. No. 4371 Union No. 2 lode, cor. No. 3 Sur. No. 4371 Alpha No. 3 lode; and cor. No. 2 Alpha No. 1 lode of this survey.
	Thence S. 89° 41' E.
205.	Diversion dike, bears NW and SE.
1500.0	Cor. No. 4, identical with cor. No. 2 Sur. No. 4371 Alpha No. 3 lode, cor. No. 3 Sur. No. 4371 Herrick No. 2 lode; and cor. No. 2 Alpha No. 9 lode of this survey.
	Found an iron post, 1 in. diam., with concrete base and brass cap, mkd. U.S.M.S. X A3-2-H2-3-4371. On the concrete base I chiseled A2-4-A9-2-4402.
	Thence S. 11° 36' E.
150.	Power line, bears S. 85° W. and N. 85° E.



Feet	
306.61	Point on lode line, marked by 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 1225 ft. dist.
613.22	Cor. No. 1 and place of beginning.
<b>ALPHA NO. 9 LODE</b>	
	Beginning at cor. No. 1 of the Alpha No. 9 lode, identical with cor. No. 1 of the Alpha No. 2 lode, cor. No. 4 Alpha No. 11 lode, and cor. No. 2 Alpha No. 10 lode, all of this survey.
	Thence N. 11° 36' W.
306.61	Point on lode line, marked by 4 x 4 in. post standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 1400 ft. dist.
463.22	Power line, bears N. 85° E. and S. 85° W.
613.22	Cor. No. 2, identical with cor. No. 2 Sur. No. 4371 Alpha No. 3 lode, cor. No. 3 Sur. No. 4371 Herrick No. 2 lode; and cor. No. 4 Alpha No. 2 lode of this survey.
	Thence S. 89° 41' E.
505	Power line, bears N. 52° W. and S. 52° E.
1500.0	Cor. No. 3, identical with cor. No. 2 Sur. No. 4371 Herrick No. 2 lode, and cor. No. 4 Alpha No. 27 lode, and cor. No. 2 Alpha No. 29 lode, both of this survey.
	Found an iron post, 1 in. diam., with concrete base and brass cap mkd. U.S.M.S. X H2-2-4371. To the post I fastened with copper wire an aluminum tag mkd. A9-3-A29-2-A27-4-4402.
	Thence S. 11° 36' E.
306.61	Point on lode line, marked by 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 100 ft. dist.
613.22	Cor. No. 4, identical with cor. No. 1 Alpha No. 29 lode, cor. No. 1 Alpha No. 30 lode, and cor. No. 3 Alpha No. 10 lode, all of this survey.
	Set an iron post, 3 ft. long, 1 in. diam., 2 1/2 ins. in ground and with 1 1/4 x 1 1/4 in. concrete base, about 4 in. to top, with brass cap mkd. U.S.M.S. X A9-4-A29-1-A30-1-A10-3-4402.
	No local bearing objects or bearing trees available.
	Thence N. 89° 41' W.
620	Power line, bears N. 21° W. and S. 21° E.
1500.0	Cor. No. 1 and place of beginning.
<b>ALPHA NO. 10 LODE</b>	
	At cor. No. 1 Alpha No. 10 lode, identical with Cor. No. 1 of the Alpha No. 11 lode of this survey.
	Thence S. 11° 36' E.
	Power line, bears S. 85° W. and N. 85° E.



Survey No. 4402

	<p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground, and with 14 x 14 in. concrete base, 10 ins. to top, with brass cap mkd. U.S.M.S. X A10-1-A11-1-4402, from which</p> <p>The <math>\frac{1}{4}</math> sec. cor. of secs. 1 and 6, Ts. 17 S., Rs. 12 and 13 E., G. &amp; S.R.M., Arizona, bears S. 63° 46' E., 529.4 ft. dist., heretofore described.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 11° 36' W.</p>
306.61	Point on lode line, marked by a 4 x 4 in. post standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 1400 ft. dist.
613.22	Cor. No. 2, identical with cor. No. 1 Alpha No. 2 lode, cor. No. 1 Alpha No. 9 lode, and cor. No. 4 Alpha No. 11 lode, all of this survey.
	Thence S. 89° 41' E.
880	Power line, bears N. 21° W. and S. 21° E.
1500.0	Cor. No. 3, identical with cor. No. 4 Alpha No. 9 lode, cor. No. 1 Alpha No. 29 lode, and cor. No. 1 Alpha No. 30 lode, all of this survey.
	Thence S. 11° 36' E.
306.61	Point on lode line, marked by 4 x 4 in. post standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 100 ft. dist.
513.22	Set an iron pin, 3 ft. long, 3/4 in. diam., 24 ins. in ground and with 14 x 14 in. concrete base, 6 ins. to top for witness cor. Nos. 4 of the Alpha Nos. 10 and 30 lodes, of this survey, with brass cap mkd. U.S.M.S. X W.C. A10-4-A30-4-4402.
583	Diversion dike, 15 ft. high, 20 ft. wide at top, with 1 to 1 $\frac{1}{4}$ slope, bears S. 88° W., and N. 88° E.
613.22	Cor. No. 4, identical with cor. No. 4 Alpha No. 30 lode of this survey.
	This corner falls on the south slope of diversion dike, where a permanent monument cannot be established.
	No local bearing objects or bearing trees available.
	Thence N. 89° 41' W.
525	Power line, bears North and South.
1500.0	Cor. No. 1 and place of beginning.
ALPHA NO. 11 LODE	
	Beginning at cor. No. 1 Alpha No. 11 lode, identical with cor. No. 1 Alpha No. 10 lode of this survey.
	Thence N. 89° 41' W.
860	Power line, bears NW. and SE., road bears NW. and SE.
910	Drainage trench, bears NNW. and SSE.

Feet	
1500.0	Cor. No. 2, identical with cor. No. 1 Alpha No. 16 lode of this survey.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground and with 14 x 14 in. concrete base, 6 ins. to top, with brass cap mkd. U.S.M.S. X All-2-Al6-1-4402.
	No local bearing objects or bearing trees available.
	Thence N. 11° 36' W.
306.61	Point on lode line, mkd. by 4 x 4 in. post standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 100 ft. dist.
480	Wash, 60-ft. wide, drains N. 57° E.
613.22	Cor. No. 3, identical with cor. No. 2 Alpha No. 2 lode, cor. No. 3 Alpha No. 1 lode, and cor. No. 4 Alpha No. 16 lode, all of this survey.
	Thence S. 89° 41' E.
.70	Road and power line, bears NW. and SE.
230	Wash, 70 ft. wide, drains N. 57° E.
350	Center of drainage trench, bears NW. and SE.
505	Diversion dike, bears N. 35° W. and S. 35° E.
690	Transformer station.
1500.0	Cor. No. 4, identical with cor. No. 1 Alpha No. 2 lode, cor. No. 1 Alpha No. 9 lode, and cor. No. 2 Alpha No. 10 lode, all of this survey.
	Thence S. 11° 36' E.
306.61	Point on lode line, marked by a 4 x 4 in. post standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 1400 ft. dist.
613.22	Cor. No. 1 and place of beginning.
	<b>ALPHA NO. 16 LODE</b>
	Beginning at cor. No. 1 Alpha No. 16 lode, identical with cor. No. 2 Alpha No. 11 lode of this survey.
	The $\frac{1}{4}$ sec. cor. of secs. 1 and 6, Ts. 17 S., Rs. 12 and 13 E., G. & S.R.M., Arizona, bears S. 83° 00' E., 1989.7 ft. dist., heretofore described.
	No local bearing objects or bearing trees available.
	Thence N. 89° 41' W.
820	Wash, 50 ft. wide, drains ENE.
1500.0	Cor. No. 2.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground with 14 x 14 in. concrete base, 4 ins. to top, with brass cap mkd. U.S.M.S. X A16-2-4402.



Survey No. 4402

	No local bearing objects or bearing trees available.
	Thence N. 11° 36' W.
160.54	Cor. No. 3 Alpha Fraction lode of this survey.
306.61	Point on lode line marked by a 4 x 4 in. post standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 1100 ft. dist.
490	Road, bears N. 30° E. and S. 30° W.
613.22	Cor. No. 3, identical with cor. No. 4 Alpha No. 1 lode of this survey.
	Thence S. 89° 41' E.
90	Road, bears N. 30° E. and S. 30° W.
1500.0	Cor. No. 4, identical with cor. No. 3 Alpha No. 1 lode, cor. No. 2 Alpha No. 2 lode, and cor. No. 3 Alpha No. 1 lode, all of this survey.
	Thence S. 11° 36' E.
133.22	Wash, 60 ft. wide, drains N. 57° E.
306.61	Point on lode line, marked by a 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 100 ft. dist.
613.22	Cor. No. 1 and place of beginning.

ALPHA NO. 24 LODE

	At cor. No. 1 Alpha No. 24 lode, identical with cor. No. 2 Alpha No. 25 lode of this survey.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground and with 14 x 14 in. concrete base, about 4 ins. to top, with brass cap mkd. U.S.M.S. X, A24-1-A25-2-4402.
	The cor. of secs. 1, 6, 31 and 36, Ts. 16 and 17 S., Rs. 12 and 13 E., G. & S.R.M., Arizona, bears S. 0° 44' W., 600 ft. dist.; a regulation iron post, firmly set, with brass cap marked as described in the official record.
	No local bearing objects or bearing trees available.
	Thence N. 0° 44' E.
300.	Point on lode line, marked by 4 x 4 in. post standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 100 ft. dist.
350	Road, bears S. 80° W. and N. 80° E.
600.0	Cor. No. 2.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground, with 14 x 14 in. concrete base, about 4 ins. to top, and with brass cap mkd. U.S.M.S. X A24-2-4402.
	No local bearing objects or bearing trees available.
	Thence S. 89° 41' E.

Feet	
1500.0	Cor. No. 3 Set an iron post, 3 ft. long, 1 in. diam., 2 1/2 ins. in ground and with 1 1/4 x 1 1/4 in. concrete base, about 4 ins. to top, with brass cap mkd. U.S.M.S. X A24-3-4402. No local bearing objects or bearing trees available. Thence S. 0° 44' W.
300.	Point on lode line, marked by a 4 x 4 in. post standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 1400 ft. dist.
600.0	Cor. No. 4, identical with cor. No. 3 Alpha No. 25 lode and cor. No. 2 Alpha No. 28 lode, both of this survey. Set an iron post, 3 ft. long, 1 in. diam., 2 1/2 ins. in ground and with 1 1/4 x 1 1/4 in. concrete base, about 4 ins. to top, with brass cap mkd. U.S.M.S. X A24-4-A25-3-A28-2-4402. No local bearing objects or bearing trees available. Thence N. 89° 41' W.
1400	Road bears N. 10° E. and S. 10° W.
1500.0	Cor. No. 1 and place of beginning.

ALPHA NO. 25 LODE

	Cor. No. 1 of the Alpha No. 25 lode, on line 4-1 of Sur. No. 4371 Herrick No. 1 lode, is identical with the cor. of secs. 1, 6, 31 and 36, Ts. 16 and 17 S., Rs. 12 and 13 E., heretofore described. I fastened to post, with copper wire, an aluminum tag mkd. U.S.M.S. A25-1-4402. Thence N. 0° 44' E.
300.	Point on lode line, marked by 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 100 ft. dist.
600.0	Cor. No. 2, identical with cor. No. 1 Alpha No. 24 lode of this survey. Thence S. 89° 41' E.
100	Road, bears N. 10° E., and S. 10° W.
1500.0	Cor. No. 3, identical with cor. No. 4 Alpha No. 24 lode and cor. No. 2 Alpha No. 28 lode of this survey. Thence S. 0° 44' W.
300	Point on lode line, marked by 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 1400 ft. dist.
-575-	Road bears East and West. Thence S. 89° 41' E.

## Survey No. 4402

Feet	
600.0	Cor. No. 4, identical with cor. No. 1 Alpha No. 28 lode, and on line 1-2 of the Alpha No. 26 lode, of this survey.  Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground with 14 x 14 in. concrete base, about 4 ins. to top, with brass cap mkd. U.S.M.S. X A25-4-A28-1-4402;  This corner falls in loose sand of an old wash.  No local bearing objects or bearing trees available. Thence N. 89° 41' W.
48.35	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground and with 14 x 14 in. concrete base, 3 ins. to top, for witness cor. No. 4, with brass cap mkd. U.S.M.S. X W. C. A25-4-4402.
938.95	Cor. No. 1 Sur. No. 4371 Herrick No. 1 lode, and cor. No. 1 Alpha No. 26 lode of this survey.
1420	Road, bears North and South.
1500.0	Cor. No. 1 and place of beginning.

## ALPHA NO. 26 LODE

	Beginning at cor. No. 1 of the Alpha No. 26 lode, identical with cor. No. 1 Sur. No. 4371 Herrick No. 1 lode, on line 4-1 of the Alpha No. 25 lode of this survey.  Found an iron post, 1 in. diam. with concrete base and brass cap mkd. U.S.M.S. X H1-1-4371. I fastened to post, with copper wire, an aluminum tag mkd. U.S.M.S. X A26-1-4402.  Thence S. 89° 41' E.
890.60	Witness cor. No. 4 Alpha No. 25 lode of this survey.
938.95	Cor. No. 4 Alpha No. 25 lode, and cor. No. 1 Alpha No. 28 lode of this survey.
1500.0	Cor. No. 2.  On line 4-1 of the Alpha No. 28 lode of this survey.  Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground, and with 14 x 14 in. concrete base, 3 ins. to top with brass cap mkd. U.S.M.S. X A26-2-4402.  No local bearing objects or bearing trees available. Thence S. 11° 36' E.
306.61	Point on lode line, marked by a 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 1390 ft. dist.
595.32	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground and with 14 x 14 in. concrete base, 4 ins. to top, for witness cor. No. 3 Alpha No. 26 lode of this survey, with brass cap mkd. U.S.M.S. X WC A26-3-4402.
613.22	Cor. No. 3, identical with cor. No. 2 Alpha No. 27 lode of this survey



Feet	<p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and with 14 x 14 in. concrete base, 4 ins. to top, with brass cap mkd. U.S.M.S. X A26-3-A27-2-4402.</p> <p>This cor. falls in loose sand of a small wash.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 89° 41' W.</p>
1500.0	<p>Cor. No. 4, identical with cor. No. 1 Sur. No. 4371 Herrick No. 2 lode, cor. No. 2 Sur. No. 4371 Herrick No. 1 lode; and cor. No. 1 Alpha No. 27 lode of this survey.</p>
306.61	<p>Found an iron post, 1 in. diam. with concrete base and brass cap mkd. U.S.M.S. X H1-2-H2-1-4371. It fastened to post, with copper wire, -an aluminum tag mkd. U.S.M.S. X A27-1-A26-4-4402.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 11° 36' W.</p>
613.22	<p>Point on lode line marked by a 4 x 4 in. post standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 110 ft. dist.</p> <p>Cor. No. 1 and place of beginning.</p>

ALPHA NO. 27 LODE

<p>ALPHA NO. 27 LODE.</p> <p>Beginning at cor. No. 1 Alpha No. 27 lode, identical with cor. No. 1 Sur. No. 4371 Herrick No. 2 lode, cor. No. 2 Sur. No. 4371 Herrick No. 1 lode; and cor. No. 4 Alpha No. 26 lode of this survey, from which</p> <p>The cor. of secs. 1, 6, 31 and 36, Ts. 16 and 17 S., Rs. 12 and 13 E., G. &amp; S.R.M., Arizona, bears N. 48° 35' W., 912.6 ft. dist., heretofore described.</p> <p>Thence S. 89° 41' E.</p>	
1500.0	<p>Cor. No. 2, identical with cor. No. 3 Alpha No. 26 lode of this survey.</p> <p>Thence S. 11° 36' E.</p>
306.61	<p>Point on lode line marked by 4 x 4 in. post standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 100 ft. dist.</p>
613.22	<p>Cor. No. 3, identical with cor. No. 3 Alpha No. 29 lode of this survey.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and with 14 x 14 in. concrete base, 4 ins. to top, with brass cap mkd. U.S.M.S. X A27-3-A29-3-4402.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 89° 41' W.</p>
1500.0	<p>Cor. No. 4, identical with cor. No. 2 Sur. 4371 Herrick No. 2 lode; cor. No. 3 Alpha No. 9 lode, and cor. No. 2 Alpha No. 29 lode, of this survey.</p>

Feet	
	Thence N. 11° 36' W.
306.61	Point on lode line, marked by a 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 1400 ft. dist.
613.22	Cor. No. 1 and place of beginning.
	Thence N. 11° 30' W.
	ALPHA NO. 28 LODE
	Beginning at cor. No. 1 Alpha No. 28 lode, identical with cor. No. 4 Alpha No. 25 lode, and on line 1-2 of the Alpha No. 26 lode, all of this survey; from which
	The cor. of secs. 1, 6, 31 and 36, Ts. 16 and 17 S., Rs. 12 and 13 E., G. & S.R.M., Arizona, heretofore described, bears N. 89° 41' W., 1500.0 ft. dist.
	Thence N. 0° 44' E.
25	Road, bears E. and W.
300.	Point on lode line, marked by a 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 50 ft. dist.
600.0	Cor. No. 2, identical with cor. No. 3 Alpha No. 25 lode and cor. No. 4 Alpha No. 24 lode, both of this survey.
	Thence S. 89° 41' E.
1500.0	Cor. No. 3.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and with 14 x 14 in. concrete base, about 4 ins. to top, with brass cap mkd. U.S.M.S. X A28-3-4402.
	No local bearing objects or bearing trees available.
	Thence S. 0° 44' W.
300	Point on lode line, marked by a 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears N. 89° 41' W., 1450 ft. dist.
575	Road, bears E. and W.
600.0	Cor. No. 4
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and with 14 x 14 in. concrete base, about 4 ins. to top, with brass cap mkd. U.S.M.S. X A28-4-4402.
	No local bearing objects or bearing trees available.
	Thence N. 89° 41' W.
938.95	Cor. No. 2 Alpha No. 26 lode of this survey.
1500.0	Cor. No. 1 and place of beginning.
	ALPHA NO. 29 LODE
	At cor. No. 1 Alpha No. 29 lode, identical with cor. No. 4 Alpha No. 9 lode, cor. No. 3 Alpha No. 10 lode and cor. No. 1 Alpha No. 30 lode, all of this survey, from which



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Survey No. 4402

Feet	
	<p>The <math>\frac{1}{4}</math> sec. cor. of secs. 1 and 6, Ts. 17 S., Rs. 12 and 13 E., G. &amp; S.R.M., Arizona, heretofore described, bears S. <math>47^{\circ}30'</math> W., 1223.2 ft. dist.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. <math>11^{\circ}36'</math> W.</p>
306.61	Point on lode line, marked by a 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears S. $89^{\circ}41'$ E., 50 ft. dist.
613.22	Cor. No. 2, identical with cor. No. 2 Sur. No. 4371 Herrick No. 2 lode, and cor. No. 3 Alpha No. 9 lode and cor. No. 4 Alpha No. 27 lode, both of this survey.
1500.0	<p>Cor. No. 3, identical with cor. No. 3 Alpha No. 27 lode of this survey.</p> <p>Thence S. <math>11^{\circ}36'</math> E.</p>
306.61	Point on lode line, marked by 4 x 4 in. post, standing 4 ft. above ground. Discovery point bears N. $89^{\circ}41'$ W., 1150 ft. dist.
613.22	<p>Cor. No. 4, identical with cor. No. 2 Alpha No. 30 lode of this survey.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground with 14 x 14 in. concrete base, 4 ins. to top, with brass cap mkd. U.S.M.S. X A29-4-A30-2-4402.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. <math>89^{\circ}41'</math> W.</p>
1500.0	Cor. No. 1 and place of beginning.
	<p><b>ALPHA NO. 30-LODE</b></p> <p>Beginning at cor. No. 1 Alpha No. 30 lode, identical with cor. No. 4 Alpha No. 9 lode, cor. No. 3 Alpha No. 10 lode, and cor. No. 1 Alpha No. 29 lode, all of this survey.</p> <p>Thence S. <math>89^{\circ}41'</math> E.</p>
1500.0	<p>Cor. No. 2, identical with cor. No. 4 Alpha No. 29 lode of this survey.</p> <p>Thence S. <math>11^{\circ}36'</math> E.</p>
306.61	Point on lode line, marked by 4 x 4 in. post standing 4 ft. above ground. Discovery point bears N. $89^{\circ}41'$ W., 1150 ft. dist.
540	Diversion dike, 18 ft. high, 20 ft. wide at top, with a 1 to $1\frac{1}{4}$ slope to sides, bears S. $88^{\circ}$ W. and N. $88^{\circ}$ E.
613.22	Cor. No. 3.
	<p>Set an iron pipe, 3 ft. long, 1 in. diam., 24 ins. in the ground, and with 14 x 14 in. concrete base, 6 ins. to top, with brass cap mkd. U.S.M.S. X A30-3-4402.</p>



Feet

This corner may be removed by future construction work, therefore a witness corner which bears S. 11° 36' E., 161.9 ft. dist. was established as follows:

Set an iron post, 3 ft. long, 7/8 in. diam., 24 ins. in the ground, with 14 x 14 in. concrete base, about 6 ins. to top, with aluminum tag fastened with copper wire to iron post and mkd.

U.S.M.S. W.C. A30-3-4402.

No local bearing objects or bearing trees available.

Thence N. 89° 41' W. 19.90

1500.0 Cor. No. 4, identical with cor. No. 4 Alpha No. 10 lode of this survey.

Thence N. 11° 36' W. 017

30.22 Diversion dike, bears N. 88° E. and S. 88° W. 52.49

100 Witness cor. No. 4, identical with witness cor. No. 4 Alpha No. 10 lode of this survey.

306.61 Point on lode line, marked by a 4 x 4 in. post standing 4 ft. above ground. Discovery point bears S. 89° 41' E., 50 ft. dist.

613.22 Cor. No. 1 and place of beginning.

ALPHA FRACTION LODE

At Cor. No. 1 of the Alpha Fraction lode of this survey.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and with 14 x 14 in. concrete base, 6 ins. to top, with brass cap mkd. U.S.M.S. X AF-1-4402, from which

The cor. of secs. 1, 2, 35 and 36, Ts. 16 and 17 S., R. 12 E., G. & S.R.M., Arizona, heretofore described, bears N. 60° 28' W., 1413.3 ft. dist.

No local bearing objects or bearing trees available.

Thence S. 70° 16' E.

138.91 Point on lode line, marked by a 4 x 4 in. post standing 4 ft. above ground. Discovery point bears S. 11° 36' E., 92.07 ft. dist.

277.82 Cor. No. 2, identical with cor. No. 2 Sur. No. 1649 Surprise lode, and on line 4-1 Sur. No. 4371 Union No. 2 lode.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground with 14 x 14 in. concrete base, 5 ins. to top, with brass cap mkd. U.S.M.S. X S-2-1649-AF-2-4402; from which

Cor. No. 4 Sur. No. 3726 Plumed Knight No. 2 lode, bears S. 40° 35' E., 203.45 ft. dist.

No local bearing objects or bearing trees were found.

Feet	Description
117.95	Intersect line 1-4 Sur. No. 3726 Plumed Knight No. 2 lode at a point from which cor. No. 4 bears S. 70° 16' E., 115.44 ft. dist.
	<p>At point of intersection</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and with 14 x 14 in. concrete base, about 6 ins. to top, with brass cap mkd. U.S.M.S. X AF-4402.</p>
409.81	Witness cor. No. 4 Sur. No. 4371 Union No. 2 lode.
427.02	Cor. No. 4 Sur. No. 4371 Union No. 2 lode, identical with cor. No. 1 Alpha No. 1 lode of this survey.
710	Wash, 40 ft. wide, drains E.
694.52	Intersect line 3-4 Sur. No. 3726 Plumed Knight No. 2 lode at a point from which cor. No. 3 bears S. 0° 48' E., 97.05 ft. dist.
	<p>At point of intersection</p> <p>Set an iron post, 3 ft. long to bed rock of wash, with concrete base 2 x 2 ft., 2 ft. high, 6 ins. to top, with brass cap mkd. U.S.M.S. X AF-4402.</p>
1040.24	Cor. No. 4, Alpha No. 1 lode, identical with cor. No. 3 Alpha No. 16 lode of this survey.
1163	Road, bears N. 30° E. and S. 30° W.
1492.92	Cor. No. 3 Alpha Fraction, on line 2-3 Alpha No. 16 lode of this survey; from which
	<p>Cor. No. 2 Alpha No. 16 lode bears S. 11° 36' E., 160.54 ft. dist.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground with 14 x 14 in. concrete base, 2 ins. to top, with brass cap mkd. U.S.M.S. X AF-4402.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 70° 16' W.</p>
138.91	Point on lode line, marked by a 4 x 4 in. post standing 4 ft. above ground. Discovery point bears N. 11° 36' W., 1400.85 ft. dist.
277.82	Cor. No. 4, identical with cor. No. 3 Sur. No. 3726 Lake George No. 2 lode.
	<p>I fastened with copper wire, to iron post, cor. No. 3 Sur. No. 3726 Lake George No. 2 lode, an aluminum tag mkd. U.S.M.S. AF-4402; from which</p> <p>Cor. Nos. 4 and 3 Sur. No. 3726 Lake George No. 2, and Plumed Knight No. 2 lodes, bears N. 9° 50' E., 600.0 ft. dist.</p> <p>Thence N. 11° 36' W.</p>



Survey No. 4402

Feet

650

Wash, 40 ft. wide, drains N. 82° E.

692.0

Intersect line 4-1 Sur. No. 3726 Lake George No. 2 lode at a point from which cor. No. 4 bears S. 70° 16' E., 256.5 ft. dist.

1348.45

Intersect line 2-3 Sur. No. 1649 Surprise lode at a point from which cor. No. 2 bears N. 78° 24' E., 237.3 ft. dist., and its intersection with line 4-1 Sur. No. 3726 Plumed Knight No. 2 lode bears N. 78° 24' E., 43.56 ft. dist.

1374.97

Intersect line 4-1 Sur. No. 3726 Plumed Knight No. 2 lode at a point from which cor. No. 4 bears S. 70° 16' E., 393.26 ft. dist.; its intersection with line 2-3 Alpha Fraction lode, bears S. 70° 16' E., 277.82 ft. dist.; and its intersection with line 2-3 Sur. No. 1649 Surprise lode bears S. 70° 16' E., 51.0 ft. dist.

1492.92

Cor. No. 1 and place of beginning.

AREAS

Acres

Total area, Alpha No. 1 lode ----- 20.661

Area in conflict with-

Sur. No. 3726 Plumed Knight No. 2 lode ----- 0.151

Total area, Alpha No. 2 lode ----- 20.661

Total area, Alpha No. 9 lode ----- 20.661

Total area, Alpha No. 10 lode ----- 20.661

Total area, Alpha No. 11 lode ----- 20.661

Total area, Alpha No. 16 lode ----- 20.661

Total area, Alpha No. 21 lode ----- 20.661

Total area, Alpha No. 25 lode ----- 20.661

Total area, Alpha No. 26 lode ----- 20.661

Total area, Alpha No. 27 lode ----- 20.661

Total area, Alpha No. 28 lode ----- 20.661

Total area, Alpha No. 29 lode ----- 20.661

Total area, Alpha No. 30 lode ----- 20.661

Total area, Alpha Fraction lode ----- 8.133

Area in conflict with-

Sur. No. 1649 Surprise lode ----- 0.394

Sur. No. 3726 Plumed Knight No. 2 lode ----- 3.698

Sur. No. 3726 Plumed Knight No. 2 lode, exclusive of its conflict with Sur. No. 1649 Surprise lode ----- 3.685

Sur. No. 3726 Lake George No. 2 lode ----- 1.740



LOCATION

This survey is located in the SW $\frac{1}{4}$  and the SE $\frac{1}{4}$  Sec. 31, T. 16 S., R. 13 E.; the NW $\frac{1}{4}$  and the NE $\frac{1}{4}$  Sec. 1, T. 17 S., R. 12 E.; and the NW $\frac{1}{4}$  Sec. 6, T. 17 S., R. 13 E., Gila and Salt River Meridian, Arizona

The survey of the fourteen lode claims is identical with the respective amended locations as marked on the ground.

EXPENDITURES

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

No. 1	The discovery point of the Alpha No. 1 lode marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, S. 89° 41' E., 750 ft. from the center of line 1-4. No value.
No. 2	The discovery bulldozer pit, 10 x 12 ft., 8 ft. deep, the center of which bears East, 12 ft. from the discovery point of the Alpha No. 1 lode. Value, \$100.00.
No. 3	A core drill hole, the center of which bears West, 15 ft. from the discovery point of the Alpha No. 1 lode, 4 $\frac{1}{2}$ ins. diam. to 3 $\frac{1}{2}$ ins. diam., 244 ft. deep. Value \$985.70.
No. 1	The discovery point of the Alpha No. 2 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, S. 89° 41' E., 275-ft. from the center of line 2-3. No value.
No. 2	The discovery bulldozer pit, 10 x 12 ft., 8 ft. deep, the center of which bears East, 9 ft. from the discovery point of the Alpha No. 2 lode. Value, \$100.00.
No. 3	A core drill hole, the center of which bears West, 110 ft. from the discovery point of the Alpha No. 2 lode, 4 $\frac{1}{2}$ ins. diam. to 3 $\frac{1}{2}$ ins. diam., 358 ft. deep. Value, \$1,455.70.
No. 1	The discovery point of the Alpha No. 9 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, N. 89° 41' W., 100 ft. from the center of line 3-4. No value.



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No. 2	A discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears N. 30° W., 25 ft. from the discovery point of the Alpha No. 9 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears West 250 ft. and South 50 ft. from the discovery point of the Alpha No. 9 lode, 3½ ins. diam., 201 ft. deep. Value, \$1,065.30
No. 4	A core drill hole, the center of which bears S. 81° W., 568 ft. from cor. No. 3 Alpha No. 9 lode, 3½ ins. diam., 200 ft. deep. Value, \$1,060.00
No. 5	A churn drill hole, the center of which bears S. 66° W., 490 ft. from cor. No. 3 Alpha No. 9 lode, 12 ins. diam. to 8 ins. diam., 200 ft. deep. Value, \$1,240.00
No. 6	A churn drill hole, the center of which bears S. 40° W., 255 ft. from cor. No. 3 Alpha No. 9 lode, 12 ins. diam. to 10 ins. diam., 205 ft. deep. Value, \$1,947.50
No. 1	The discovery point of the Alpha No. 10 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, N. 89° 41' W., 100 ft. from the center of line 3-4. No value
No. 2	The discovery bulldozer pit 8 x 12 ft., 8 ft. deep, the center of which bears N. 10° W., 30 ft. from the discovery point of the Alpha No. 10 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears West 600 ft. from the discovery point of the Alpha No. 10 lode, 4½ ins. diam. to 3½ ins. diam., 309 ft. deep. Value, \$1,850.00
No. 1	The discovery point of the Alpha No. 11 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, S. 89° 41' E., 100 ft. from the center of line 2-3. No value.
No. 2	The discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears East 20 ft. and South 10 ft. from the discovery point of the Alpha No. 11 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears East 18 ft. from the discovery point of the Alpha No. 11 lode, 4½ ins. diam., to 3½ ins. diam., 399 ft. deep. Value, \$1,919.20
No. 1	The discovery point of the Alpha No. 16 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, N. 89° 41' W., 100 ft. from the center of line 1-4. No value.
No. 2	The discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears East 30 ft. from the discovery point of the Alpha No. 16 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears East 10 ft. from the discovery point of the Alpha No. 16 lode, 4½ ins. diam. to 3½ ins. diam., 309 ft. deep. Value, \$1,851.47



No. 1	The discovery point of the Alpha No. 24 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, S. 89° 41' E., 100 ft. from the center of line 1-2. No value
No. 2	The discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears West 35 ft. from the discovery point of the Alpha No. 24 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears East 140 ft. and South 15 ft. from the discovery point of the Alpha No. 24 lode, 4½ ins. diam. to 3½ ins. diam., 495 ft. deep. Value, \$2,689.80
No. 1	The discovery point of the Alpha No. 25 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, S. 89° 41' E., 100 ft. from the center of line 1-2. No value.
No. 2	The discovery bulldozer pit, 10 x 12 ft., 8 ft. deep, the center of which bears North 15 ft. from the discovery point of the Alpha No. 25 lode. Value, \$100.00.
No. 3	A core drill hole, the center of which bears East 30 ft. from the discovery point of the Alpha No. 25 lode, 4½ ins. diam. to 2 ¾ ins. diam., 506 ft. deep. Value, \$2,604.10.
No. 1	The discovery point of the Alpha No. 26 lode, marked by a 4 x 4 in. post, 4 ft. above ground on the lode line, S. 89° 41' E., 110 ft. from the center of line 1-4. No value.
No. 2	The discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears North 12 ft. from the discovery point of the Alpha No. 26 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears East 75 ft. and South 40 ft. from the discovery point of the Alpha No. 26 lode, 4½ ins. diam. to 3½ ins. diam., 410 ft. deep. Value, \$2,340.40
No. 1	The discovery point of the Alpha No. 27 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, N. 89° 41' W., 100 ft. from the center of line 2-3. No value.
No. 2	The discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears East 15 ft. and North 15 ft. from the discovery point of the Alpha No. 27 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears West 115 ft. and North 10 ft. from the discovery point of the Alpha No. 27 lode, 4½ ins. diam. to 3½ ins. diam., 395 ft. deep. Value, \$2,008.70.
No. 1	The discovery point of the Alpha No. 28 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, S. 89° 41' E., 50 ft. from the center of line 1-2. No value.



No. 2	The discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears East 10 ft. from the discovery point of the Alpha No. 28 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears East 60 ft. and North 15 ft. from the discovery point of the Alpha No. 28 lode, 1 1/2 ins. diam. to 3 1/2 ins. diam., 421 ft. deep. Value, \$2,577.80
No. 1	The discovery point of the Alpha No. 29 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, S. 89° 41' E., 50 ft. from the center of line 1-2. No value
No. 2	The discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears S. 60° E., 14 ft. from the discovery point of the Alpha No. 29 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears East 150 ft. and North 10 ft. from the discovery point of the Alpha No. 29 lode, 1 1/2 ins. diam. to 3 1/2 ins. diam., 401 ft. deep. Value, \$1,978.10
No. 1	The discovery point of the Alpha No. 30 lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, S. 89° 41' E., 50 ft. from the center of line 1-4. No value
No. 2	The discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears North 12 ft. from the discovery point of the Alpha No. 30 lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears S. 27° W., 310 ft. from cor. No. 2 Alpha No. 30 lode; 1 1/2 ins. diam. to 3 1/2 ins. diam., 457.5 ft. deep. Value, \$2,444.70
No. 1	The discovery point of the Alpha Fraction lode, marked by a 4 x 4 in. post, 4 ft. above ground, on the lode line, S. 11° 36' E., 92.07 ft. from the center of line 1-2. No value
No. 2	The discovery bulldozer pit, 8 x 12 ft., 8 ft. deep, the center of which bears S. 15° W., 10 ft. from the discovery point of the Alpha Fraction lode. Value, \$100.00
No. 3	A core drill hole, the center of which bears S. 20° W., 58 ft. from cor. No. 2 Alpha Fraction lode, 1 1/2 ins. diam. to 3 1/2 ins. diam., 338 ft. deep. Value, \$1,555.80
No. 4	A shaft, partly caved, the center of which bears S. 3° W., 80 ft. from cor. No. 2 Alpha Fraction lode, 6 x 6 ft., 6 ft. deep. Value, \$100.00

## OTHER IMPROVEMENTS

A shaft, 6 x 6 ft., 8 ft. deep, the center of which bears N. 89° 41' W., 470 ft. and North 30 ft. from cor. No. 1 Alpha No. 11 lode.

Claimant unknown.

A shaft, 6 x 6 ft., over 100 ft. deep, the center of which bears N. 59° E., 545 ft. from cor. No. 1 Alpha No. 10 lode.

Claimant unknown.

A drainage trench, 40 ft. wide, 5 to 10 ft. deep, the center of which bears N. 89° 41' W., 100 ft. from cor. No. 2 Alpha No. 1 lode, thence runs in a southeasterly direction across the Alpha No. 1, Alpha No. 2 and Alpha No. 11 lodes.

Claimant herein.

A diversion dike 20 ft. wide at top, 30 to 60 ft. wide at base, and 7 to 15 ft. in height, the center of which bears S. 89° 41' E., 205 ft. from cor. No. 3 Alpha No. 2 lode, thence runs S. 35° E., 1250 ft.

Claimant herein.

A diversion dike 20 ft. wide at the top, 40 to 75 ft. wide at base, 10 to 20 ft. in height, the center of which bears N. 11° 36' W., 70 ft. from cor. No. 3 Alpha No. 30 lode, thence S. 88° 30' W., 1930 ft. to an angle point, thence N. 83° W., 600 ft.

Claimant herein.

## OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 1649 cor. No. 2 Surprise lode was a limestone rock marked and in place when Sur. No. 4371 was made. At the time of the present survey the rock corner was found displaced.

The corner was reestablished with an iron post properly set and marked as stated in these field notes. The bearings and ties were found to be approximately correct as shown in the record.

Sur. No. 3726 cor. No. 4 Plumer Knight No. 2 lode is an iron post, with square-headed brass cap properly marked.

Sur. No. 3726 cor. Nos. 3 and 4 Lake George No. 2 lode were found to be 1½ in. iron pipes, firmly set in mounds of rock with square-headed brass caps properly marked. Line 3-4 was found to be approximately correct as approved.

The ¼ sec. cor. of secs. 1 and 6, Ts. 17 S., Rs. 12 and 13 E., monumented with a 1½ in. iron pipe at a fence intersection, 6 ins. above ground, in concrete base, 2 ins. to top, with lead cap mkd. ¼. 1-6, accepted as the best available evidence of the original corner, and bears S. 0° 138' E., 2631.7 ft. dist. from cor. of secs. 1, 6, 31 and 36, Ts. 16 and 17 S., Rs. 12 and 13 E., G. & S.R.M., Arizona.

Cor. No. 4 Alpha No. 30 lode, identical with cor. No. 4 Alpha No. 10 lode of this survey, was not used for the tie to the ¼ sec. cor. of secs. 1 and 6 because a permanent cor. could not be established.

No evidence could be found of either the ¼ sec. cor. of secs. 1 and 36, Ts. 16 and 17 S., R. 12 E., or the ¼ sec. cor. of secs. 6 and 31, Ts. 16 and 17 S., R. 13 E.

All the bulldozer pits were cut with a 12 ft. blade. The other dimension, such as 10 for a 10 x 12 ft., is the approximate measurement of the cut at a depth of 8 ft.

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FIELD ASSISTANTS

<u>Name</u>	<u>Capacity</u>
Leo Bachmier	Chainman
William Duncan	"
Clair Lukehart	"
Robert Mellin	"
Richard McGee	Axeman



3URVEY NO. 1102

11

All the millbores give more or less 18 in. blade. The  
of dimensions, such as 10 for a 10 in. blade, in the approximate  
measurement of the cut at a depth of 5 ft.

FIELD ASSISTANTS

<u>Name</u>	<u>Capacity</u>
Leo Bachman	Operator
William Dugan	"
Clay Matthews	"
Robert Mallin	"
Richard McGee	Asst.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

April 30, 19 56

I, Harlow D. Phelps  
 Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the \_\_\_\_\_  
Bureau of Land Management, at Phoenix, Arizona  
 dated February 13, 1956, I have faithfully and correctly executed the survey of  
 the mining claim of the Pima Mining Company  
Alpha Nos. 1, 2, 9, 10, 11, 16, 24, 25, 26, 27, 28, 29, and 30, and Alpha Fraction  
 known as the lodes  
(Lode, placer, or mill site)  
 situate in Sec. 31, T. 16 S., R. 13 E.; Sec. 1, T. 17 S., R. 12 E., and Sec. 6,  
T. 17 S., R. 13 E., G. & S.P. Meridian, Arizona, and  
(State)  
 designated as Survey No. 4402, which is represented in the foregoing field notes as having been  
 executed by me and under my direction, and that said survey has been made in strict conformity with said order,  
 the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner  
 described in the foregoing field notes, and I do further certify that the labor expended and improvements made  
 upon or for the benefit of the Lode location(s) embraced in the said mining claim by  
(Lode or placer)  
 claimant(s) or its grantors are fully stated in my report therein, and that the character,  
 extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no  
 portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate  
 of expenditures upon any other claim.

Tucson, Arizona  
(Place)

*Harlow D. Phelps*  
 \_\_\_\_\_  
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office  
(Office)

Phoenix, Arizona August 14, 19 56  
(Place) (Date)

The foregoing field notes of mineral survey No. 4402, in Sec. 31, T. 16 S., R. 13 E.,  
Sec. 1, T. 17 S., R. 12 E., and  
Sec. 6, T. 17 S., R. 13 E., G. & S.P. Meridian,  
Arizona, executed by Harlow D. Phelps, Mineral Surveyor,  
(State)

under order dated February 13, 1956, having been critically examined and the necessary  
 corrections made prior to their certification by the surveyor, the field notes and the survey therein described  
 are hereby approved.

*Everett H. Kimmell*  
 \_\_\_\_\_  
Everett H. Kimmell  
 \_\_\_\_\_  
Office Cadastral Engineer  
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. 4402  
 is a true copy of the original field notes.

Everett H. Kimmell  
 \_\_\_\_\_  
Office Cadastral Engineer  
(Title)



