

Form 4-683
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number

4639

State

Arizona

Land District

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

PIMA MINING COMPANY, % Verity & Smith, Attorneys at Law, Suite 902,
Phoenix Title Building, Tucson, Arizona
85701

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Alpha No. 12	8/6/51	6/20/56 11/13/57 1/13/66
Alpha No. 13	8/6/51	11/13/57 1/13/66 3/23/66
Alpha No. 14	8/6/51	11/13/57 1/13/66
Alpha No. 20	8/7/51	11/13/57 1/13/66
Alpha No. 21	8/7/51	11/13/57 11/13/66 3/23/66
Alpha No. 22	8/7/51	11/13/57 1/13/66
Alpha No. 31	11/2/53	12/15/53 11/13/57 1/13/66
Alpha No. 32	11/2/53	12/15/53 11/13/57 1/13/66
Alpha No. 33	11/2/53	12/15/53 11/13/57 1/13/66
Alpha No. 34	11/2/53	12/15/53 11/13/57 1/13/66
Alpha No. 37	11/2/53	11/14/57 1/13/66
Alpha No. 38	11/2/53	12/15/53 11/14/57 1/13/66

(cont. next page)

Mining district Pima			County Pima	
Section 1 6	Township 17 South 17 South	Range 12 East 13 East	Meridian Gila & Salt River	Survey under order dated February 1, 1966 and Amended March 30, 1966
Survey commenced February 15, 1966		Survey completed May 23, 1966	Name of Mineral Surveyor JOHN H. STITZER	

4433
4434

FIELD NOTES

1952

IN THE DISTRICT COURT OF THE STATE OF ARIZONA

WILLIAM L. ALLEN, Plaintiff, vs. THE ARIZONA POWER & LIGHT COMPANY, Defendant.

Case No. 100-1000

STATEMENTS OF WITNESSES

Witness Name	Address	Occupation	Statement
Alpha No. 10			
Alpha No. 11			
Alpha No. 12			
Alpha No. 13			
Alpha No. 14			
Alpha No. 15			
Alpha No. 16			
Alpha No. 17			
Alpha No. 18			
Alpha No. 19			
Alpha No. 20			
Alpha No. 21			
Alpha No. 22			
Alpha No. 23			
Alpha No. 24			
Alpha No. 25			
Alpha No. 26			
Alpha No. 27			
Alpha No. 28			
Alpha No. 29			
Alpha No. 30			

(cont. next page)

Subscribed and sworn to before me this _____ day of _____ 1952.	Notary Public for Arizona
My commission expires _____	

Name of Location	Date	
	Located	Amended
Alpha No. 39	11/2/53	12/15/53 11/14/57 1/13/66
Alpha No. 40	11/2/53	11/14/57 1/13/66
Alpha No. 43	11/2/53	11/13/57 1/13/66

CONFIDENTIAL

Date		Name of location
Issued	Received	
11/18/58	11/18/58	Alpha No. 10
11/18/58	11/18/58	Alpha No. 11
11/18/58	11/18/58	Alpha No. 12

MILITARY PAPER

OLD DEFENSE FIELD

CONFIDENTIAL

MINERAL SURVEY #4639

1

FEET

This survey was made with a K & E 6 E optical reading theodolite No. 624161 reading directly to one minute of arc with interpolation to one tenth of a minute of arc, using a solar eyepiece with colored glass for making direct observations of the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

May 15, 1966 at Cor. No. 3 of the Alpha No. 14 lode, at latitude $31^{\circ}58'43''$ N., and longitude $111^{\circ}04'33''$ W., I made a series of six altitude observations upon the sun at equal time intervals, three each with the telescope in the erect and inverted position and reading the horizontal angle from Cor. No. 3 of Alpha No. 13 lode. From these observations I obtain a bearing of $N. 10^{\circ}00'36''$ E., which I adjusted to $N. 10^{\circ}01'03''$ E., to agree with the mine coordinate system bearings of the Pima Mining Company which were established from solar observations.

The lines were measured with Lufkin steel tape, 300 ft. in length graduated every foot, there being an added foot graduated in tenths and hundredths of a foot. A spring balance was used to maintain the proper tension on the tape and all distances were compensated for temperature.

All lines of this survey were run by direct methods as all lines were accessible. The magnetic declination in the area of the survey was of a uniform value of $14^{\circ}30'$ E.

SURVEY NO. 4639

ALPHA NO. 12 LODE

At Cor. No. 1 of the Alpha No. 12 lode of this survey.

Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 1 ALPHA 12 4639; from which

The reestablished Cor. of Secs. 1, 6, 7 and 12, T 17S., Rs. 12 and 13E., G.& S.R.M.; an iron post 2 ins. diam., 10 ins. above the ground, with lead cap, firmly set and accepted as the sec. cor. for the purpose of this survey bears $S. 41^{\circ}13'34''$ E., 2777.82 ft. dist.

Cor. No. 4 of the Alpha No. 20 lode, Cor. No. 4 of the Alpha No. 21 lode and Cor. No. 4 of the Alpha No. 13 lode, all of this survey bears $N. 46^{\circ}21'13''$ W., 769.03 ft. dist.

No local bearing objects or bearing trees available.

Thence $N. 70^{\circ}15'$ W.

FEET	
649.68	Intersect lines 4-1 of Alpha No. 13 and Alpha No. 21 lodes, both of this survey.
1500.00	<p>Cor. No. 2.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 2 ALPHA 12 4639;</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 10°01'03" E.</p>
281.98	Intersect line 1-2 of Sur. No. 4402 Alpha No. 16 lode, claimant herein, at a point from which Cor. No. 2 bears N. 89°41'22" W., 310.65 ft. dist.
300.00	<p>Lode line; discovery point bears S. 70°15' E., 1459 ft. dist.</p> <p>Set a redwood post, 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. WEST END CTR ALPHA 12 4639.</p>
316.08	Intersect line 3-4 Alpha No. 13 lode of this survey.
600.00	<p>Cor. No. 3.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 3 ALPHA 12 4639;</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 70°15' E.</p>
850.32	Intersect line 3-4 Alpha No. 20 lode of this survey.
941.88	Intersect line 1-2 Sur. No. 4402 Alpha No. 16 lode at a point from which Cor. No. 1, identical with Cor. No. 2, Sur. No. 4402 Alpha No. 11 lode, claimant herein, bears S. 89° 41'22" E., 339.31 ft. dist.
1500.00	<p>Cor. No. 4.</p> <p>This corner falls on the steep slope of a mining dump, where a permanent monument cannot be established; from which</p> <p>Witness corner, a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. W C COR 4 ALPHA 12 4639, bears N. 10°01'03" E., 25.49 ft. dist.</p>

FEET	
	Thence S. 10°01'03" W.
283.92	Intersect line 4-1 of Alpha No. 20 lode and line 3-4 of Alpha No. 21 lode, both of this survey.
300.00	Lode line; discovery point bears N. 70°15' W., 41 ft. dist. Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. EAST END CTR ALPHA 12 4639.
600.00	Cor. No. 1, and place of beginning.
	ALPHA NO. 13 LODE
	At Cor. No. 1 of the Alpha No. 13 lode, identical with Cor. No. 1 of the Alpha No. 21 lode, Cor. No. 1 of the Alpha No. 22 lode, and Cor. No. 1 of the Alpha No. 14 lode, all of this survey.
	Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 1 ALPHA 13 COR 1 ALPHA 21 COR 1 ALPHA 22 COR 1 ALPHA 14 4639; from which
	The Cor. of Secs. 1, 6, 7, and 12, T 17S., Rs. 12 and 13E., G.& S.R.M., bears S. 50°50'51" E., 3213.04 ft. dist.; previously described.
	No local bearing objects or bearing trees available.
	Thence N. 70°15' W.
1497.25	Intersect line 3-4 Sur. No. 3726 Sunny Side No. 2 lode at a point from which Cor. No. 4 Sur. No. 3726 Sunny Side No. 2 lode, identical with Cor. No. 3 Sur. No. 3726 South Side No. 2 lode, bears N. 9°48'51" E., 0.67 ft. dist.
1498.97	Cor. No. 2, identical with Cor. No. 2 of the Alpha No. 14 lode of this survey. This corner falls on the steep slope of a mine haulage road where a permanent monument cannot be established; from this point Cor. No. 4 Sur. No. 3726 Sunny Side No. 2 lode, identical with Cor. No. 3 Sur. No. 3726 South Side No. 2 lode, bears N. 87°29'30" E., 1.74 ft. dist. No local bearing objects or bearing trees available.
	Thence N. 10°01'03" E.

FEET	
0.67	Intersect line 4-1 Sur. No. 3726 Sunny Side No. 2 lode, identical with line 2-3 Sur. No. 3726 South Side No. 2 lode at a point from which Cor. No. 4 Sur. No. 3726 Sunny Side No. 2 lode, identical with Cor. No. 3 Sur. No. 3726 South Side No. 2 lode, bears S. 70°15' E., 1.72 ft. dist.
54.22	Witness corner for Cor. No. 2, identical with Cor. No. 2 of the Alpha No. 14 lode of this survey. Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. W C COR 2 ALPHA 13 COR 2 ALPHA 14 4639. No local bearing objects or bearing trees available.
300.26	Lode line; discovery point bears S. 70°15' E., 50 ft. dist. Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. WEST END CTR ALPHA 13 4639.
600.52	Cor. No. 3, identical with Cor. No. 4 Sur. No. 3726 South Side No. 2 lode, Cor. No. 3 Sur. No. 3726 Lake George No. 2 lode, and Cor. No. 4 Sur. No. 4402 Alpha Fraction lode. Fd. an iron pipe, 1 in. diam., with a brass cap, 2 ins. sq., 18 ins. above ground, firmly set and properly marked as described in the official record of Sur. No. 4402, to which I attach a stainless steel tag mkd. COR 3 ALPHA 13 4639; from which Cor. No. 2 Sur. No. 4402 Alpha No. 16 lode, claimant herein, bears S. 49°29'34" E., 386.55 ft. dist. No local bearing objects or bearing trees available.
	Thence S. 70°15' E.
278.06	Cor. No. 3 Sur. No. 4402 Alpha Fraction lode claimant herein, and intersect line 2-3 Sur. No. 4402 Alpha No. 16 lode claimant herein at a point from which Cor. No. 2, bears S. 11° 35' E., 160.39 ft. dist.
648.65	Intersect line 2-3 Alpha No. 12 lode of this survey.
749.64	Intersect line 1-2 Sur. No. 4402 Alpha No. 16 lode claimant herein, at a point from which

FEET	
	Cor. No. 2, bears N. 89°41'22" W., 411.64 ft. dist.
1498.97	Cor. No. 4, identical with Cor. No. 4 of the Alpha No. 20 lode, and Cor. No. 4 of the Alpha No. 21 lode, both of this survey. This corner falls on the steep slope of a mine dump where a permanent monument cannot be established. No local bearing objects or bearing trees available. Thence S. 10°01'03" W.
29.61	Witness corner for Cor. No. 4, identical with Cor. No. 4 of the Alpha No. 20 lode, and Cor. No. 4 of the Alpha No. 21 lode, both of this survey. Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. W C COR 4 ALPHA 13 COR 4 ALPHA 20 COR 4 ALPHA 21 4639. No local bearing objects or bearing trees available.
300.26	Lode line; discovery point bears N. 70°15' W., 1448.97 ft. dist. Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, surrounded by a mound of stone mkd. EAST END CTR ALPHA 13 WEST END CTR ALPHA 21 4639.
316.08	Intersect line 1-2 Alpha No. 12 lode of this survey.
600.52	Cor. No. 1, and place of beginning.
ALPHA NO. 14 LODE	
	Beginning at Cor. No. 1 of the Alpha No. 14 lode, identical with Cor. No. 1 of the Alpha No. 13 lode, Cor. No. 1 of the Alpha No. 21 lode, and Cor. No. 1 of the Alpha No. 22 lode, all of this survey, previously described. Thence N. 70°15' W.
1497.25	Intersect line 3-4 Sur. No. 3726 Sunny Side No. 2 lode at a point from which Cor. No. 3 Sur. No. 3726 Sunny Side No. 2 lode, identical with Cor. No. 4, Sur. No. 3726 Outside No. 2 lode, bears S. 9°48'51" W., 599.14 ft. dist.
1498.97	Cor. No. 2, identical with Cor. No. 2 of the Alpha No. 13 lode of this survey, previously described. Thence S. 10°01'03" W.

<p>F E E T</p> <p>300.00</p> <p>598.77</p> <p>600.00</p> <p>3.89</p> <p>1498.97</p> <p>94.27</p> <p>300.00</p> <p>600.00</p>	<p>Lode line; discovery point bears S. 70°15' E., 1478.97 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. WEST END CTR ALPHA 14 4639.</p> <p>Intersect line 2-3 Sur. No. 3726 Sunny Side No. 2 lode, identical with line 4-1 Sur. No. 3726 Outside lode at a point from which Cor. No. 3 Sur. No. 3726 Sunny Side No. 2 lode, identical with Cor. No. 4 Sur. No. 3726 Outside lode bears S. 70°15' E., 3.88 ft. dist.</p> <p>Cor. No. 3.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 3 ALPHA 14 4639; from which</p> <p>Cor. No. 3, Sur. No. 3726 Sunny Side No. 2 lode, identical with Cor. No. 4 Sur. No. 3726 Outside No. 2 lode, bears S. 88°27'E., 3.87 ft. dist.</p> <p>Thence S. 70°15' E.</p> <p>Intersect line 3-4 Sur. No. 3726 Outside No. 2 lode at a point from which Cor. No. 4 Sur. No. 3726 Outside No. 2 lode, identical with Cor. No. 3 Sunny Side No. 2 lode, bears N. 9°48'51" E., 1.23 ft. dist.</p> <p>Cor. No. 4, identical with Cor. No. 4 Alpha No. 22 lode of this survey.</p> <p>This corner falls on the steep slope of a rock dump where a permanent monument cannot be established.</p> <p>Thence N. 10°01'03" E.</p> <p>Witness Cor. for Cor. No. 4, identical with Cor. No. 4 of the Alpha No. 22 lode of this survey.</p> <p>Set a redwood post, 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. W C COR 4 ALPHA 14 COR 4 ALPHA 22 4639.</p> <p>Lode line; discovery point bears N. 70°15' W., 20 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. E END CTR ALPHA 14 W END CTR ALPHA 22 4639.</p> <p>Cor. No. 1, and place of beginning.</p>
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FEET	ALPHA NO. 43 LODE
	At Cor. No. 1 of the Alpha No. 43 lode of this survey.
	Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 1 ALPHA 43 4639; from which
	The Cor. of Secs. 1, 6, 7 and 12, T 17S., Rs 12 and 13E. G. & S.R.M., bears S. 20°12'46" E., 2637.85 ft. dist.; previously described.
	No local bearing objects or bearing trees available.
	Thence N. 10°01'03" E.
88.94	Lode line of Alpha No. 31 lode of this survey, hereinafter described.
232.15	Cor. No. 2 of Alpha No. 20 lode of this survey, hereinafter described.
300.00	Lode line; discovery point bears N. 70°15' W., 10 ft. dist.
	Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. E END CTR ALPHA 43 4639.
391.62	Intersect line 1-2 Sur. No. 4402 Alpha No. 11 lode claimant herein, at a point from which Cor. No. 2 Sur. No. 4402 Alpha No. 11 lode, identical with Cor. No. 1 Sur. No. 4402 Alpha No. 16 lode, bears N. 89°41'22" W., 1160.58 ft. dist.
600.00	Cor. No. 2.
	Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 2 ALPHA 43 4639; from which
	Pima Mining Company triangulation station No. 904 a 1/2 in. steel pin, bears S. 79° 45'32" E., 313.86 ft. dist.
	Thence N. 70°15' W.
1185.85	Intersect line 3-4 Sur. No. 4402 Alpha No. 11 lode, identical with line 1-2 Sur. No. 4402 Alpha No. 2 lode claimant herein, at a point from which Cor. No. 3 Sur. No. 4402 Alpha No. 11 lode, identical with Cor. No. 2 Sur. No. 4402 Alpha No. 2 lode, Cor. No. 4 Sur. No. 4402 Alpha No. 16 lode and Cor. No. 3 Sur. No. 4402 Alpha No. 1 lode, bears N. 89°41'22" W., 203.85 ft. dist.
1419.38	Intersect line 2-3 Sur. No. 4402 Alpha No. 2 lode, identical with line 2-3 Sur. No. 4402 Alpha No. 1 lode claimant herein, at a point

FEET	
	<p>from which Cor. No. 2 Sur. No. 4402 Alpha No. 2 lode, identical with Cor. No. 3 Sur. No. 4402 Alpha No. 11 lode, Cor. No. 4 Sur. No. 4402 Alpha No. 16 lode and Cor. No. 3 Sur. No. 4402 Alpha No. 1 lode, bears S. 11°35' E., 79.43 ft. dist.</p>
1500.00	<p>Cor. No. 3.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 3 ALPHA 43 4639.</p> <p>No local bearing trees or bearing objects available.</p> <p>Thence S. 10°01'03" W.</p>
106.07	<p>Intersect line 3-4 Sur. No. 4402 Alpha No. 1 lode, identical with line 3-4 Sur. No. 4402 Alpha No. 16 lode claimant herein, at a point from which Cor. No. 4 Sur. No. 4402 Alpha No. 16 lode, identical with Cor. No. 3 Sur. No. 4402 Alpha No. 1 lode, Cor. No. 2 Sur. No. 4402 Alpha No. 2 lode and Cor. No. 3 Sur. No. 4402 Alpha No. 11 lode, bears S. 89°41'22" E. 110.27 ft. dist.</p>
300.00	<p>Lode line; discovery point bears S. 70°15' E., 1490 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. W END CTR ALPHA 43 4639.</p>
367.85	<p>Cor. No. 3 Alpha No. 20 lode of this survey, hereinafter described.</p>
600.00	<p>Cor. No. 4.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 4 ALPHA 43 4639;</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 70°15' E.</p>
339.21	<p>Intersect line 4-1 Sur. No. 4402 Alpha No. 16 lode, identical with line 2-3 Sur. No. 4402 Alpha No. 11 lode claimant herein, at a point from which Cor. No. 3 Sur. No. 4402 Alpha No. 11 lode, identical with Cor. No. 4 Sur. No. 4402 Alpha No. 16 lode Cor. No. 3 Sur. No. 4402 Alpha No. 1 lode and Cor. No. 2 Sur. No. 4402 Alpha No. 2 lode bears N. 11°35' W., 612.91 ft. dist.</p>
340.13	<p>Intersect line 1-2 Sur. No. 4402 Alpha No. 11 lode claimant herein, at a point from which Cor. No. 2 Sur. No. 4402 Alpha No. 11 lode, identical with Cor. No. 1 Alpha No. 16 lode</p>

FEET	
1500.00	<p>bears N, 89°41'22" W., 0.80 ft. dist. Cor. No. 1, and place of beginning.</p>
	<p>ALPHA NO. 20 LODGE</p>
	<p>At Cor. No. 1 of the Alpha No. 20 lode identical with Cor. No. 3 Alpha No. 21 lode of this survey.</p>
	<p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 1 ALPHA 20 COR 3 ALPHA 21,4639; from which</p>
	<p>The Cor. of Secs. 1, 6, 7, and 12, T 17S., R 12 and 13E. G. & S.R.M., bears S. 24°46'38" E., 2327.41 ft. dist., previously described.</p>
	<p>No local bearing trees or bearing objects available.</p>
	<p>Thence N. 10°01'03" E.</p>
152.85	<p>Cors. No. 2 of Alpha No. 31 and Alpha No. 32, hereinafter described.</p>
300.00	<p>Lode line; discovery point bears N. 70°15' W., 47 ft. dist.</p>
	<p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. E END CTR ALPHA 20.</p>
367.85	<p>Cor. No. 1 Alpha No. 43 lode of this survey, previously described.</p>
456.79	<p>Lode line of Alpha No. 31 lode of this survey, hereinafter described.</p>
600.00	<p>Cor. No. 2.</p>
	<p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 2 ALPHA 20 4639;</p>
	<p>No local bearing trees or bearing objects available.</p>
	<p>Thence N. 70°15' W.</p>
472.32	<p>Intersect line 1-2 Sur. No. 4402 Alpha No. 11 lode claimant herein, at a point from which Cor.No.2 Sur. No.4402 Alpha No.11 lode, identical with Cor. No. 1 Sur. No.4402 Alpha No. 16 lode bears N.89°41'22"W., 688.30 ft. dist.</p>
1260.84	<p>Intersect line 2-3 Sur. No.4402 Alpha No.11 lode, identical with line 4-1 Sur. No.4402 Alpha No. 16 lode claimant herein, at a point from which Cor. No. 2 Sur. No.4402 Alpha No. 11 lode, identical with Cor. No.1 Sur. No.4402 Alpha No. 16 lode bears S.11°35'E., 268.19 ft. dist.</p>
1500.00	<p>Cor. No. 3.</p>

FEET	
	<p>Set a redwood post 5 ft. long, 4 ins. sq. 24 ins. in the ground mkd. COR 3 ALPHA 20 4639;</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S. 10°01'03" W.</p>
232.15	Cor. No. 4 Alpha No. 43 lode of this survey, previously described.
300.00	Lode line; discovery point bears S. 70°15' E., 1453 ft. dist.
	<p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. W END CTR ALPHA 20 4639.</p>
316.08	Intersect line 3-4 Alpha No. 12 lode of this survey.
346.99	Intersect line 1-2 Sur. No. 4402 Alpha No. 16 lode claimant herein, at a point from which Cor. No. 1 Sur. No. 4402 Alpha No. 16 lode, identical with Cor. No. 2 Sur. No. 4402 Alpha No. 11 lode bears S. 89°41'22"E., 339.31 ft. dist.
600.00	Cor. No. 4, identical with Cor. No. 4 of Alpha No. 13 lode and Cor. No. 4 of Alpha No. 21 lode both of this survey, previously described and witnessed.
	Thence S. 70°15' E.
649.68	Intersect line 4-1 Alpha No. 12 lode of this survey.
1500.00	Cor. No. 1 and the place of beginning.
	ALPHA NO. 21 LODE
	<p>Beginning at Cor. No. 1 of the Alpha No. 21 lode, identical with Cor. No. 1 of the Alpha No. 13 lode, Cor. No. 1 of the Alpha No. 14 lode and Cor. No. 1 of the Alpha No. 22 lode all of this survey, previously described.</p> <p style="text-align: center;">Thence S. 70°15' E.</p>
1500.00	Cor. No. 2, identical with Cor. No. 2 Alpha No. 22 lode of this survey.
	<p>This corner falls on the steep slope of a mine dump where a permanent monument cannot be established.</p> <p>From this point set a witness corner S. 70°15' E. 70.0 ft. dist., a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. WIT COR COR 2 ALPHA 21 COR 2 ALPHA 22 4639;</p>

FEET	
	Thence N. 10°01'03" E.
146.87	Cor. No. 3 of the Alpha No. 32 lode and Cor. No. 3 of the Alpha No. 33 lode both of this survey, hereinafter described.
300.26	Lode line; discovery point bears N. 70°15' W., 200.00 ft. dist. This corner falls on the steep slope of a mine dump where a permanent monument cannot be established. From this point set a witness corner S. 70°15' E., 70.0 ft. dist., a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. WIT COR E END CTR ALPHA 21 4639.
450.12	Lode line Alpha No. 32 lode, hereinafter described.
600.52	Cor. No. 3, identical with Cor. No. 1 of the Alpha No. 20 lode of this survey, previously described.
	Thence N. 70°15' W.
850.32	Intersect line 4-1 of the Alpha No. 12 lode of this survey.
1500.00	Cor. No. 4, identical with Cor. No. 4 of Alpha No. 20 lode and Cor. No. 4 of Alpha No. 13 lode, both of this survey, previously described.
	Thence S. 10°01'03" W.
29.61	Witness corner to Cor. No. 4, previously described.
300.26	Lode line monument, previously described, discovery point bears S. 70°15' E., 1300 ft. dist.
316.08	Intersect line 1-2 Alpha No. 12 lode of this survey.
600.52	Cor. No. 1 and the place of beginning.
	ALPHA NO. 22 LODE
	Beginning at Cor. No. 1 of the Alpha No. 22 lode, identical with Cor. No. 1 of the Alpha No. 13 lode, Cor. No. 1 of the Alpha No. 14 lode, and Cor. No. 1 of the Alpha No. 21 lode, all of this survey, previously described.
	Thence S. 70°15' E.

FEET	
1500.00	<p>Cor. No. 2 identical with Cor. No. 2 of the Alpha No. 21 lode of this survey, previously described and witnessed.</p> <p style="text-align: center;">Thence S. 10°01'03" W.</p>
156.37	<p>Lode line, west end center of Alpha No. 33 lode of this survey, hereinafter described.</p>
300.00	<p>Lode line, discovery point bears N. 70°15' W., 1480 ft. dist.</p> <p>This corner falls on the steep slope of a mine dump where a permanent monument cannot be established.</p> <p>From this point set a witness corner S. 70°15'E., 70.0 ft. dist., a redwood post 5 ft, long, 4 ins. sq., 24 ins. in the ground, mkd. WIT COR E END CTR ALPHA 22 4639.</p>
459.62	<p>Cor. No. 2 of the Alpha No. 33 lode identical with Cor. No. 2 Alpha No. 34 lode of this survey, hereinafter described.</p>
600.00	<p>Cor. No. 3.</p> <p>This corner falls on the steep slope of a mine dump where a permanent monument cannot be established.</p> <p>From this point set a witness corner S. 70°15'E., 70.0 ft. dist., a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. WIT COR 3 ALPHA 22 4639.</p> <p style="text-align: center;">Thence N. 70°15' W.</p>
1500.00	<p>Cor. No. 4 identical with Cor. No. 4 of Alpha No. 14 lode of this survey, previously described.</p> <p style="text-align: center;">Thence N. 10°01'03" E.</p>
94.27	<p>Witness corner to Cor. No. 4, previously described.</p>
300.00	<p>Lode line monument, previously described, discovery point bears S. 70°15' E., 20 ft. dist.</p>
600.00	<p>Cor. No. 1 and the place of beginning.</p>
<p>ALPHA NO. 31 LODE</p>	
<p>At Cor. No. 1 of the Alpha No. 31 lode, identical with Cor. No. 1 Alpha No. 32 lode, Cor. No. 1 Alpha No. 37 lode, and Cor. No. 1 Alpha No. 38 lode all of this survey.</p>	

FEET	
	<p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 1 ALPHA 31 COR 1 ALPHA 32 COR 1 ALPHA 37 COR 1 ALPHA 38 4639; from which</p> <p>The Cor. of Secs. 1, 6, 7, and 12, T 17S., Rs. 12 and 13E., G. & S.R.M. bears S.13°41'01" W., 2320.84 ft. dist., previously described.</p> <p>Thence N. 89°40' W.</p>
1497.85	<p>Cor. No. 2, identical with Cor. No. 2 Alpha No. 32 lode of this survey.</p>
	<p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 2 ALPHA 31 COR 2 ALPHA 32 4639;</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 10°01'03" E.</p>
147.15	<p>Lode line monument for Alpha No. 20 lode of this survey, previously described.</p>
215.00	<p>Cor. No. 1 Alpha No. 43 lode of this survey previously described.</p>
303.97	<p>Lode line; discovery point bears S. 89°40' E., 15 ft. dist.</p>
	<p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. W END CTR ALPHA 31 4639.</p>
447.15	<p>Cor. No. 2 Alpha No. 20 lode of this survey, previously described.</p>
515.00	<p>Lode line monument for Alpha No. 43 lode of this survey, previously described.</p>
606.62	<p>Cor. No. 3.</p> <p>This corner falls on line 1-2 Sur. No. 4402 Alpha No. 11 lode claimant herein, at a point from which Cor. No. 1 Sur. No. 4402 Alpha No. 11 lode, identical with Cor. No. 1 Sur. No. 4402 Alpha No. 10 lode, bears S. 89°41'22" E., 339.64 ft.</p>
	<p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 3 ALPHA 31 4639.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 89°41'22" E.</p>
339.64	<p>Cor. No. 1 Sur. No. 4402 Alpha No. 11 lode, identical with Cor. No. 1 Sur. No. 4402 Alpha No. 10 lode, claimant herein.</p>

<p>1497.95^{FEEET}</p> <p>123.00</p> <p>152.00</p> <p>303.26</p> <p>607.23</p>	<p>Cor. No. 4; identical with Cor. No. 4 Alpha No. 37 of this survey.</p> <p>This corner falls on line 4-1 of Sur. No. 4402 Alpha No. 10 lode claimant herein, at a point from which Cor. No. 4 Sur. No. 4402 Alpha No. 10 lode, identical with Cor. No. 4 Sur. No. 4402 Alpha No. 30 lode, bears S. 89°41'22" E. 341.93 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 4 ALPHA 31 COR 4 ALPHA 37 4639;</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 10°01'03" W.</p> <p>Enter a sand wash, course easterly.</p> <p>Leave sand wash.</p> <p>Lode line; discovery point bears N. 89°40' W., 1482.85 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. E END CTR ALPHA 31 W END CTR ALPHA 37 4639.</p> <p>Cor. No. 1 and the place of beginning.</p>
	<p>ALPHA NO. 32 LODE</p> <p>Beginning at Cor. No. 1 of the Alpha No. 32 lode, identical with Cor. No. 1 Alpha No. 31 lode, Cor. No. 1 Alpha No. 37 lode, and Cor. No. 1 Alpha No. 38 lode, all of this survey, previously described.</p> <p>Thence N. 89°40' W.</p> <p>1497.85 Cor. No. 2, identical with Cor. No. 2 of the Alpha No. 31 lode of this survey, previously described.</p> <p>Thence S. 10°01'03" W.</p> <p>152.85 Cor. No. 1 of the Alpha No. 20 lode, identical with Cor. No. 3 of the Alpha No. 21 lode, both of this survey, previously described.</p> <p>303.25 Lode line; discovery point bears S. 89°40' E., 70 ft. dist.</p> <p>This corner falls on the steep slope of a mine dump where a permanent monument cannot be</p>

FEET	
	<p>established.</p> <p>From this point a witness corner which is also the discovery point bears S. 89°40' E., 70 ft. dist. set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. W C W END CTR ALPHA 32 4639.</p>
453.11	<p>Lode line, Alpha No. 21 lode of this survey, monumented by a witness corner previously described.</p>
606.50	<p>Cor. No. 3, identical with Cor. No. 3 Alpha No. 33 lode of this survey.</p> <p>This corner falls on the steep slope of a mine dump where a permanent monument cannot be established.</p> <p style="text-align: center;">Thence S. 89°40' E.</p>
70.00	<p>Witness corner to Cor. No. 3, a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. W C COR 3 ALPHA 32 COR 3 ALPHA 33 4639.</p>
1497.85	<p>Cor. No. 4 identical with Cor. No. 4 Alpha No. 33 lode, Cor. No. 4 Alpha No. 38 lode, and Cor. No. 4 Alpha No. 39 lode, all of this survey.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. COR 4 ALPHA 32 COR 4 ALPHA 33 COR 4 ALPHA 38 COR 4 ALPHA 39 4639;</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N. 10°01'03" E.</p>
303.25	<p>Lode line; discovery point bears N. 89°40' W., 1427.85 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. E END CTR ALPHA 32 W END CTR ALPHA 38 4639.</p>
606.50	<p>Cor. No. 1 and the place of beginning.</p> <hr/> <p style="text-align: center;">ALPHA NO. 33 LODE</p> <p>At Cor. No. 1 of the Alpha No. 33 lode, identical with Cor. No. 1 Alpha No. 34 lode, Cor. No. 1 Alpha No. 39 lode and Cor. No. 1 Alpha No. 40 lode, all of this survey.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. COR 1 ALPHA 33 COR 1 ALPHA 34 COR 1 ALPHA 39 COR 1 ALPHA 40 4639; from which</p> <p>The cor. of secs. 1, 6, 7 and 12, T 17S., Rs 12 and 13E., G. & S.R.M., bears S. 17°40' 47" W. 1113.03 ft. dist., previously described.</p> <p style="text-align: center;">Thence N. 89°40' W.</p>

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1427.85	<p>Witness corner to Cor. No. 2 Alpha No. 33 lode and Cor. No. 2 Alpha No. 34 lode, both of this survey.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. W C COR 2 ALPHA 33 COR 2 ALPHA 34 4639;</p>
1497.85	<p>Cor. No. 2 identical with Cor. No. 2 Alpha No. 34 lode of this survey.</p> <p>This corner falls on the steep slope of a mine dump where a permanent monument cannot be established.</p> <p>Thence N. 10°01'03" E.</p>
159.62	<p>Lode line of Alpha No. 22 lode of this survey, previously described.</p>
303.25	<p>Lode line, discovery point bears S. 89°40' E., 70 ft. dist.</p> <p>This corner falls on the steep slope of a mine dump where a permanent monument cannot be established.</p> <p>From this point set a witness corner which is also the location monument, S. 89°40' E., 70 ft. dist., a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. W C W END CTR ALPHA 33 4639.</p>
459.62	<p>Cor. No. 2 Alpha No. 21 lode identical with Cor. No. 2 Alpha No. 22 lode, both of this survey, previously described.</p>
606.50	<p>Cor. No. 3 identical with Cor. No. 3 Alpha No. 32 lode of this survey, previously described.</p> <p>Thence S. 89°40' E.</p>
70.00	<p>Witness corner to Cor. No. 3, previously described.</p>
1497.85	<p>Cor. No. 4, identical with Cor. No. 4 Alpha No. 32 lode, Cor. No. 4 Alpha No. 39 lode and Cor. No. 4 Alpha No. 38 lode, all of this survey, previously described.</p> <p>Thence S. 10°01'03" W.</p>
303.25	<p>Lode line; discovery point bears N. 89°40' W., 1427.85 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. E END CTR ALPHA 33 W END CTR ALPHA 39 4639.</p>

FEET	
606.50	<p>Cor. No. 1 and the place of beginning.</p> <hr/> <p style="text-align: center;">ALPHA NO. 34 LODE</p> <p>Beginning at Cor. No. 1 of the Alpha No. 34 lode of this survey, identical with Cor. No. 1 of Alpha No. 33 lode, Cor. No. 1 of Alpha No. 39 lode and Cor. No. 1 of Alpha No. 40 lode, all of this survey, previously described.</p> <p style="text-align: center;">Thence N. 89°40' W.</p>
1427.85	<p>Witness corner to Cor. No. 2, previously described.</p>
1497.85	<p>Cor. No. 2, identical with Cor. No. 2 of Alpha No. 33 lode of this survey, previously described.</p> <p style="text-align: center;">Thence S. 10°01'03" W.</p>
140.38	<p>Cor. No. 3 of Alpha No. 22 lode of this survey, previously described.</p>
304.30	<p>Lode line; discovery point bears S. 89°40' E. 70 ft. dist.</p> <p>This corner falls on the steep slope of a mine dump where a permanent monument cannot be established.</p> <p>From this point a witness corner which is also the location monument bears, S. 89°40' E., 70 ft. dist., a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. W C W END CTR ALPHA 34 4639.</p>
608.60	<p>Cor. No. 3.</p> <p>This corner falls on the steep slope of a mine dump where a permanent monument cannot be established.</p> <p style="text-align: center;">Thence S. 89°40' E.</p>
70.00	<p>Witness corner to Cor. No. 3, set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. W C COR 3 ALPHA 34 4639.</p>
1497.85	<p>Cor. No. 4, identical with Cor. No. 4 Alpha No. 40 lode of this survey.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 4 ALPHA 34 COR 4 ALPHA 40 4639.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N. 10°01'03" E.</p>
304.30	<p>Lode line; discovery point bears N. 89°40' W., 1427.85 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. E END CTR ALPHA 34 W END CTR ALPHA 40 4639.</p>

FEEET 608.60	Cor. No. 1 and the place of beginning.
	<p style="text-align: center;">ALPHA NO. 37 LODE</p> <p>Beginning at Cor. No. 1 of the Alpha No. 37 lode, identical with Cor. No. 1 of Alpha No. 31 lode, Cor. No. 1 of Alpha No. 32 lode and Cor. No. 1 of Alpha No. 38 lode all of this survey, previously described.</p> <p style="text-align: center;">Thence S. 89°40' E.</p>
1500.00	<p>Cor. No. 2, identical with Cor. No. 2 of Alpha No. 38 lode of this survey.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 2 ALPHA 37 COR 2 ALPHA 38 4639.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N. 10°01'03" E.</p>
303.97	<p>Lode line; discovery point bears N. 89°40' W., 20 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. E END CTR ALPHA 37 4639.</p>
455.00	Enter a sand wash, course easterly.
511.00	Leave sand wash.
607.83	<p>Cor. No. 3.</p> <p>This corner falls on line 3-4 of Sur. No. 4402 Alpha No. 30 lode claimant herein, at a point from which Cor. No. 3 Sur. No. 4402 Alpha No. 30 lode bears S. 89°41'22" E., 342.13 ft. dist.</p> <p>Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. COR 3 ALPHA 37 4639.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N. 89°41'22" W.</p>
1158.07	Cor. No. 4 Sur. No. 4402 Alpha No. 30 lode, identical with Cor. No. 4 Sur. No. 4402 Alpha No. 10 lode, claimant herein.
1500.00	Cor. No. 4, identical with Cor. No. 4 Alpha No. 31 lode of this survey, previously described.

FEET	
	Thence S. 10°01'03" W.
123.00	Enter a sand wash, course easterly.
152.00	Leave sand wash.
303.26	Lode line monument, previously described, discovery point bears S. 89°40' E., 1480 ft. dist.
607.23	Cor. No. 1 and the place of beginning.
ALPHA NO. 38 LODGE	
Beginning at Cor. No. 1 of the Alpha No. 38 lode, identical with Cor. No. 1 of Alpha No. 31 lode, Cor. No. 1 of Alpha No. 32 lode, and Cor. No. 1 of Alpha No. 37 lode, all of this survey, previously described.	
Thence S. 89°40' E.	
1500.00	Cor. No. 2, identical with Cor. No. 2 of Alpha No. 37 lode of this survey, previously described.
Thence S. 10°01'03" W.	
70.00	Enter sand wash, course northeasterly.
128.00	Leave sand wash.
303.25	Lode line; discovery point bears N. 89°40' W., 30 ft. dist.
	Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. E-END CTR ALPHA 38 4639.
606.50	Cor. No. 3, identical with Cor. No. 3 Alpha No. 39 lode of this survey.
	Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. COR 3 ALPHA 38 COR 3 ALPHA 39 4639.
	No local bearing objects or bearing trees available.
Thence N. 89°40' W.	
859.00	Enter sand wash, course northeasterly.
883.00	Leave sand wash.
1500.00	Cor. No. 4, identical with Cor. No. 4 Alpha No. 32 lode, Cor. No. 4 Alpha No. 33 lode, and Cor. No. 4 Alpha No. 39 lode, all of this survey, previously described.
Thence N. 10°01'03" E.	

FEET	
303.25	Lode line monument, previously described, discovery point bears S. 89°40'E., 1470 ft. dist.
606.50	Cor. No. 1 and the place of beginning.
ALPHA NO. 39 LODE	
Beginning at Cor. No. 1 of the Alpha No. 39 lode, identical with Cor. No. 1 of Alpha No. 33 lode, Cor. No. 1 of Alpha No. 34 lode and Cor. No. 1 of Alpha No. 40 lode, all of this survey, previously described.	
Thence S. 89°40' E.	
1303.00	A wash 3 ft. wide, course northeasterly.
1500.00	Cor. No. 2, identical with Cor. No. 2 of Alpha No. 40 lode of this survey.
Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. COR 2 ALPHA 39 COR 2 ALPHA 40 4639.	
No local bearing objects or bearing trees available.	
Thence N. 10°01'03" E.	
131.00	A wash 4 ft. wide course northeasterly.
303.25	Lode line; discovery point bears N. 89°40' W., 20 ft. dist.
Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. E.END CTR ALPHA 39.	
440.00	A wash 1 ft. wide, course northeasterly.
531.00	A wash 1 ft. wide, course easterly.
606.50	Cor. No. 3, identical with Cor. No. 3 Alpha No. 38 lode, previously described.
Thence N. 89°40' W.	
859.00	Enter a sand wash, course northeasterly.
883.00	Leave sand wash.
1500.00	Cor. No. 4, identical with Cor. No. 4 of Alpha No. 32 lode, Cor. No. 4 of Alpha No. 33 lode and Cor. No. 4 of Alpha No. 38 lode, all of this survey, previously described.
Thence S. 10°01'03" W.	

FEET	
303.25	Lode line monument, previously described, discovery point bears S. 89°40' E., 1480 ft. dist.
606.50	Cor. No. 1 and the place of beginning.
ALPHA NO. 40 LODE	
1303.00	Beginning at Cor. No. 1 of the Alpha No. 40 lode, identical with Cor. No. 1 of Alpha No. 33 lode, Cor. No. 1 of Alpha No. 34 lode and Cor. No. 1 of Alpha No. 39 lode, all of this survey, previously described.
	Thence S. 89°40' E.
1500.00	A wash 3 ft. wide, course northeasterly.
83.00	Cor. No. 2, identical with Cor. No. 2 of Alpha No. 39 lode, previously described. Thence S. 10°01'03" W.
304.30	A wash 3 ft. wide, course northeasterly.
608.60	Lode line; discovery point bears N. 89°40' W., 20 ft. dist. Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground mkd. E END CTR ALPHA 40 4639.
608.60	Cor. No. 3. Set a redwood post 5 ft. long, 4 ins. sq., 24 ins. in the ground, mkd. COR 3 ALPHA 40 4639. No local bearing objects or bearing trees available. Thence N. 89°40' W.
1500.00	Cor. No. 4; identical with Cor. No. 4 of Alpha No. 34 lode, previously described. Thence N. 10°01'03" E.
304.30	Lode line monument, previously described, discovery point bears S. 89°40' E., 1480 ft. dist.
608.60	Cor. No. 1 and place of beginning.

FEET	AREAS
	Total area, Alpha No. 12 lode 20.364
	Area in conflict with--
	Sur. No. 4402 Alpha No. 16 lode. . . . 3.389
	Alpha No. 13 lode of this survey 6.081
	Alpha No. 13 lode of this survey, exclusive of its conflict with: Survey No. 4402 Alpha No. 16 lode 6.042
	Alpha No. 20 lode of this survey 4.174
	Alpha No. 20 lode of this survey, exclusive of its conflict with: Survey No. 4402 Alpha No. 16 lode 4.142
	Alpha No. 21 lode of this survey 4.646
	Total area, Alpha No. 13 lode 20.367
	Area in conflict with--
	Sur. No. 3726 South Side No. 2 lode . . . 0.012
	Sur. No. 3726 Sunny Side No. 2 lode . . . 0.000
	Sur. No. 4402 Alpha No. 16 lode 0.742
	Sur. No. 4402 Alpha No. 16 lode, exclusive of its conflict with: Alpha No. 12 lode of this survey. 0.703
	Total area, Alpha No. 14 lode 20.350
	Area in conflict with--
	Sur. No. 3726 Sunny Side No. 2 lode . . . 0.038
	Sur. No. 3726 Outside No. 2 lode 0.000
	Total area Alpha No. 43 lode 20.364
	Area in conflict with--
	Sur. No. 4402 Alpha No. 1 lode 0.195
	Sur. No. 4402 Alpha No. 2 lode 0.182
	Sur. No. 4402 Alpha No. 11 lode 12.193
	Sur. No. 4402 Alpha No. 11 lode, exclusive of its conflict with: Alpha No. 20 lode of this survey 10.120
	Sur. No. 4402 Alpha No. 16 lode 2.655
	Sur. No. 4402 Alpha No. 16 lode, exclusive of its conflict with: Alpha No. 20 lode of this survey 1.136
	Alpha No. 20 lode of this survey 7.879
	Alpha No. 20 lode of this survey, exclusive of its conflict with: (1) Sur. No. 4402 Alpha No. 11 lode 5.806
	(2) Sur. No. 4402 Alpha No. 16 lode 6.360
	(3) Surs. Nos. 4402 Alpha No. 11 & Alpha No. 16 lodes 4.287
	Total area Alpha No. 20 lode 20.364
	Area in conflict with--
	Sur. No. 4402 Alpha No. 11 lode 2.073
	Sur. No. 4402 Alpha No. 11 lode, exclusive of its conflict with: Alpha No. 43 lode this survey 0.000

FEET	
	Sur. No. 4402 Alpha No. 16 lode 1.961
	Sur. No. 4402 Alpha No. 16 lode, exclusive of its conflict with:
	(1) Alpha No. 43 lode 0.442
	(2) Alpha No. 12 lode 1.929
	(3) Alpha No. 43 and Alpha No. 12 lodes 0.410
	Total area Alpha No. 21 lode 20.381
	Total area Alpha No. 22 lode 20.364
	Total area Alpha No. 31 lode 20.572
	Total area Alpha No. 32 lode 20.558
	Total area Alpha No. 33 lode 20.558
	Total area Alpha No. 34 lode 20.629
	Total area Alpha No. 37 lode 20.622
	Total area Alpha No. 38 lode 20.587
	Total area Alpha No. 39 lode 20.587
	Total area Alpha No. 40 lode 20.659
	LOCATION
	This survey is located in th NW $\frac{1}{4}$, NE $\frac{1}{4}$, and S $\frac{1}{2}$ Sec. 1, T. 17S., R. 12E., G. & S. R. M., and in the NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 6, T. 17S., R. 13E., G. & S. R. M.
	The survey of the Alpha No. 12, Alpha No. 13, Alpha No. 14, Alpha No. 20, Alpha No. 21, Alpha No. 22, Alpha No. 31, Alpha No. 32, Alpha No. 33, Alpha No. 34, Alpha No. 37, Alpha No. 38, Alpha No. 39, Alpha No. 40, Alpha No. 43 is identical with the respective amended locations as marked on the ground.
	EXPENDITURES
	The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said min- ing claim by the claimant or its grantors are as follows:
No. 1	The discovery point of the Alpha No. 12 lode is on the lode line 41 ft. from a point on line 4-1, 300.00 ft. from Cor. No. 4 Value, None
No. 2	A diamond drill hole, the collar of which bears N. 53°33' W., 52.2 ft. dist. from Cor. No. 1 of the Alpha No. 12 lode; 627 ft. deep. Value, \$4,438.

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FEET	FEET
No. 1	The discovery point of the Alpha No. 13 lode is on the lode line 50 ft. from a point on line 2-3, 300.26 ft. from Cor. No. 2. Value, None
No. 2	A diamond drill hole, the collar of which bears S. 46°34'53" E., 735.71 ft. dist. from Cor. No. 3 of the Alpha No. 13 lode; 616 ft. deep. Value, \$4,104.
No. 1	The discovery point of the Alpha No. 14 lode is on the lode line 20 ft. from a point on line 4-1, 300.00 ft. from Cor. No. 4. Value, None
No. 2	A diamond drill hole, the collar of which bears S. 51°52'45" E., 835.50 ft. dist. from Cor. No. 2 of the Alpha No. 14 lode; 715 ft. deep. Value, \$4,004.
No. 1	The discovery point of the Alpha No. 43 lode is on the lode line 10 ft. from a point on line 1-2, 300.00 ft. from Cor. No. 1. Value, None
No. 2	A diamond drill hole, the collar of which bears N. 11°52'41" W., 308.30 ft. dist. from Cor. No. 1 of the Alpha No. 43 lode; 194 ft. deep. Value, \$ 956.
No. 1	The discovery point of the Alpha No. 20 lode is on the lode line 47 ft. from a point on line 1-2, 300.00 ft. from Cor. No. 1. Value, None
No. 2	A diamond drill hole, the collar of which bears N. 10°01' E., 152.85 ft. dist. from Cor. No. 1 of the Alpha No. 20 lode; 500 ft. deep. Value, \$2,660.
No. 1	The discovery point of the Alpha No. 21 lode is on the lode line 200 ft. from a point on line 2-3, 300.26 ft. from Cor. No. 2. Value, None
No. 2	A diamond drill hole, the collar of which bears S. 71°00' E., 8.17 ft. dist. from Cor. No. 1 of the Alpha No. 21 lode; 205 ft. deep. Value, \$1,173.
No. 1	The discovery point of the Alpha No. 22 lode is on the lode line 20 ft. from a point on line 4-1, 300 ft. from Cor. No. 4. Value, None
No. 1	The discovery point of the Alpha No. 31 lode is on the lode line 15 ft. from a point on line

FEET		
	2-3, 303.97 ft. from Cor. No. 2.	Value, None
No. 2	A diamond drill hole, the collar of which bears N. 28°25' E., 106 ft. dist. from Cor. No. 2 of the Alpha No. 31 lode; 338 ft. deep.	Value, \$1,650.
No. 1	The discovery point of the Alpha No. 32 lode is on the lode line 70 ft. from a point on line 2-3, 303.25 ft. from Cor. No. 2.	Value, None
No. 2	A diamond drill hole, the collar of which bears S. 30°52'30" E., 63.88 ft. dist. from Cor. No. 2 of the Alpha No. 32 lode; 309 ft. deep.	Value, \$2,116.
No. 1	The discovery point of the Alpha No. 33 lode is on the lode line 70 ft. from line 2-3, 303.25 ft. from Cor. No. 2.	Value, None
No. 1	The discovery point of the Alpha No. 34 lode is on the lode line 70 ft. from 2-3, 304.30 ft. from Cor. No. 2.	Value, None
No. 1	The discovery point of the Alpha No. 37 lode is on the lode line 20 ft. from a point on line 2-3, 303.97 ft. from Cor. No. 2.	Value, None
No. 2	A diamond drill hole, the collar of which bears S. 49°02'40" E., 64.96 ft. dist. from Cor. No. 4 of Alpha No. 37 lode; 346 ft. deep.	Value, \$1,829.
No. 1	The discovery point of the Alpha No. 38 lode is on the lode line 30 ft. from a point on line 2-3, 303.25 ft. from Cor. No. 2.	Value, None
No. 2	A diamond drill hole, the collar of which bears N. 85°14'54" W., 477.94 ft. dist. from Cor. No. 3 of the Alpha No. 38 lode; 400 ft. deep.	Value, \$1,887.
No. 1	The discovery point of the Alpha No. 39 lode is on the lode line 20 ft. from a point on line 2-3, 303.25 ft. from Cor. No. 2.	Value, None
No. 2	A diamond drill hole, the collar of which bears S. 1°05' E., 5.15 ft. dist. from Cor. No. 4 of Alpha No. 39 lode; 325 ft. deep.	Value, \$1,393.
No. 1	The discovery point of the Alpha No. 40 lode is on the lode line 20 ft. from a point on line 2-3, 304.30 ft. from Cor. No. 2.	Value, None

FEET
No. 2

A diamond drill hole; the collar of which bears S. 12°29' E., 10.4 ft. dist. from Cor. No. 1 of Alpha No. 40 lode; 1452 ft. deep.
Value, \$10,164.

An interest in a common improvement:

A drill hole, the collar of which is coincidental with Cor. No. 2 of the Alpha No. 33 lode, Cor. No. 2 of the Alpha No. 34 lode and falls on line 2-3 of the Alpha No. 22 lode; 1879 ft. deep.

Value, \$14,573.

Value of 1/3 interest, \$4,859.33

This improvement is for the improvement and development of the Alpha No. 33 lode, the Alpha No. 34 lode and the Alpha No. 22 lode; therefore, 1/3 interest in its value is hereby credited to each of these 3 lodes.

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

OTHER IMPROVEMENTS

A crushing plant the N.E. Cor. of which bears S. 50°15' E., 508 ft. dist. from Cor. No. 3 of the Alpha No. 31 lode; 200 x 70 ft. in size, the long side bears S. 70° E.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 3726 South Side No. 2 lode; Cor. No. 4 is a 1½" iron pipe with 2 ins. sq. brass cap, properly marked. The pipe was severely bent, but the base was firm and straight. I straightened the pipe to place the cap plumb over the base. Line 2-3 is shown as approved. Line 3-4 was found to be N. 9°51'20" E., 600.14 ft. instead of N. 9°51' E., 600.00 ft. as approved.

Sur. No. 3726 Sunny Side No. 2 lode; Cor. No. 3 is a 1½" iron pipe with 2 ins. sq. brass cap, firmly set and properly marked. Lines 2-3 and 4-1 are shown as approved. Line 3-4 was found to be N. 9°48'51" E., 599.81 ft. instead of N. 9°51' E., 600.00 ft. as approved.

Sur. No. 3726 Outside No. 2 lode; Cor. No. 4 is a 1½" iron pipe from which the brass cap is missing. Lines 4-1 and 3-4 are shown as approved.

FEET

Sur. No. 4402 Alpha No. 30 lode; Cor. No. 3 is a 1" pipe with brass cap, firmly set in concrete and properly marked. Line 3-4 was found to be N. 89°41'22" W., 1500.22 ft. instead of N. 89°41' W., 1500.00 ft., as approved.

Sur. No. 4402 Alpha No. 10 lode; Cor. No. 2 is a 1" pipe with brass cap, firmly set in concrete and properly marked. Cor. No. 1 is a 1" pipe with brass cap on the edge of a bulldozer cut and probably displaced. Line 4-1 was found to be N. 89°41'22" W., 1500.22 ft. instead of N. 89°41' W., 1500.00 ft. as approved. Line 1-2 was found to be N. 11°35' W., 612.91 ft. instead of N. 11°36' W., 613.22 ft. as approved.

Sur. No. 4402 Alpha No. 11 lode; Cors. Nos. 4 and 1 described above. Line 1-2 was found to be N. 89°41'22" W., 1500.22 ft. instead of N. 89°41' W., 1500.00 ft., as approved. Line 2-3 was found to be N. 11°35' W., 612.91 ft. instead of N. 11°36' W., 613.22 ft. as approved. Line 3-4 was found to be S. 89°41'22" E., 1500.22 ft. instead of S. 89°41' E., 1500.00 ft. as approved. Line 4-1 was found to be S. 11°35' E., 612.91 ft. instead of S. 11°36' E., 613.22 ft. as approved.


Sur. No. 4402 Alpha No. 16 lode; no corners of this claim are existing. Line 1-2 was found to be N. 89°41'22" W., 1500.22 ft. instead of N. 89°41' W., 1500.00 as approved. Line 2-3 was found to be N. 11°35' W., 612.91 ft. instead of N. 11°36' W., 613.22 ft. as approved. Line 3-4 was found to be S. 89°41'22" E., 1500.22 ft. instead of S. 89°41' E., 1500.00 ft. as approved. Line 4-1 was found to be S. 11°35' E., 612.91 ft. instead of S. 11°36' E., 613.22 ft. as approved.

Sur. No. 4402 Alpha Fraction; Cor. No. 4 was found as described above under Sur. No. 3726 Southside No. 2 lode; Line 3-4 was found to be N. 70°15' W., 278.06 ft. instead of N. 70°16' W., 277.82 ft. as approved.

A diligent search was made for the 1/4 Cor. common to Secs. 1 and 6, T. 17S., RS 12 and 13E. G. & S.R.M., but this corner has been removed by construction.

The section cor. common to Secs. 1, 6, 7 and 12 of T. 17S., Rs. 12 and 13E., G. & S.R.M. is a 2" lead cap pipe approximately 10 ins. above the ground at a fence corner, and accepted as the best available evidence of this section corner. It was probably set by Mr. T. N. Stevens in the 1940's.

This area is being used for the dumping of open pit mine overburden and lean ores. Probably most claim corners and accessories will be buried; therefore, I am providing below coordinate values on the State Coordinate System, Central-Zone Arizona, as established by the U. S.

<p>F E E T</p>	<p>Coast & Geodetic Survey and run in from triangulation Stations PA-4, Sahuarita and Helmet Peak. This triangulation was done with a K & E Model 2E theodolite reading directly to 1 second of arc.</p> <p style="text-align: right;">EAST NORTH</p> <p>Cor.No.3 Alpha No.13 Lode 761,003.94 357,555.70</p> <p>The Transverse Mercator's Grid bearing of line 3-2 of Alpha No. 13 lode is S. 9°32'34" W.</p>	
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

35

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
JOHN H. STITZER	May 25, 1966

I HEREBY CERTIFY That in pursuance of an order received from the Bureau of Land Management Amended , at Phoenix, Arizona dated February 1, 1966 & March 30, 1966 , I have carefully executed the survey of the claim of PIMA MINING COMPANY known as the (lode, placer, or mill site) Alpha Nos. 12, 13, 14, 20, 21, 22, 31, 32, 33, 34, situated in Sections 1 and 6 /37, 38, 39, 40, & 43 lodes, Township 17 S. , Range s 12 and 13 E. , GILA & SALT RIVER Meridian, in the State of Arizona

This survey, designated as number 4639 , has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in the specific manner described in the foregoing field notes.

I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) lode location(s) embraced in the said mining claim by claimant(s) or their grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. No portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Tucson, Arizona
(Location)

John H. Stitzer
(Signature of Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management
Office
Arizona State Office
Location
Phoenix, Arizona
Date
June 14, 1967

The foregoing field notes of mineral survey number 4639 , in Sections 1 and 6 12 and , surveyed unsurveyed Township 17 S. , Range 13 E. , Gila & Salt River Meridian, in the State of Arizona , executed by John H. Stitzer Mineral Surveyor, under order dated February 1 , 1966 and Amended March 30 , 1966 , 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.

Fred J. Weiler
(Authorized Signature)
Fred J. Weiler

State Director
(Title)

CERTIFICATE OF TRANSCRIPT

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

(Authorized Signature)

(Title)

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

