

Form 3860-10
(February 1987)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey Number
4885

State
Arizona

Land District
Arizona

FIELD NOTES

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

Carlota Copper Company
8101 E. Prentice Ave. Suite 800
Englewood, CO 80111

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

NONE

NAME OF CLAIM(S)

NAME OF LOCATION	DATE			BLM MINING CLAIM SERIAL NUMBER
	LOCATED AND AMENDED	RECORDED WITH COUNTY	RECORDED WITH BLM	
Crown Point Extension No.1 Amended	6-17-59 5-23-93	6-19-59 5-25-93	10-19-78 5-27-93	AMC 27990
Crown Point Extension No.2 Amended	6-17-59 5-23-93	6-19-59 5-25-93	10-19-78 5-27-93	27991
Overside Amended	9-1-39 5-23-93	11-17-39 5-25-93	10-19-78 5-27-93	27989
Old Abe No.1 Amended	10-1-39 5-23-93	12-8-39 5-25-93	10-19-78 5-27-93	27993

LOCATION OF CLAIM(S)

Mining district Globe			County Gila	
Section 36	Township 1 North	Range 13 East	Meridian Gila & Salt River	Survey under order dated June 17, 1993
Survey commenced July 27, 1993		Survey completed Sept.29, 1993	Name of Mineral Surveyor Gordon W. McLain	

FEET

This survey was made with a Kern DKM-2AE directional theodolite, serial number 327596, with a horizontal circle of 80mm. diam. and a vertical circle of 74mm. diam., both circles are read through an optical micrometer which reads both circles directly to 1 arc second. 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 direction angles, measured to the right, and are referred to the meridian determined by the following observations:

On September 5, 1993, at Corner No.4 of the Crown Point Extension No.2 lode, in latitude $33^{\circ}23'10''$ N., and longitude $110^{\circ}59'20''$ W., barometric pressure, 26.3 ins/Hg, and temperature 95° F., we made a series of six altitude observations on the sun for azimuth, at approximately equal time intervals, three each, with the telescope in direct and reverse positions, observing the center of the sun, and reading the horizontal angle to the right from Cor. No.1, Crown Point Extension No.2 lode, clockwise towards the sun.

Mean time of observation,
105th meridian standard
time = $10^{\text{h}}44^{\text{m}}55^{\text{s}}$ a.m.

Declination of sun at mean
time of observation = $6^{\circ}36'54''$

Mean observed vertical angle
to sun's center = $54^{\circ}42'08''$

Mean horizontal angle from
Cor. No.1 clockwise to
sun's center = $95^{\circ}55'39''$

True bearing to Cor.
No.1 = $N.37^{\circ}51'04''$ E.

The lines were measured with a Kern DM-503 electronic distance meter, Serial No.325565 and with a Lufkin 100 ft. steel tape, graduated every foot for 99 ft. and the remainder in tenths and hundredths of a foot; The tape and electronic distance meter were compared with the Tucson Calibration Base Line at the beginning of the survey.

FEET	
	<p>All lines and connections of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse methods.</p> <p>The magnetic declination observed at each corner of the survey gave a uniform value of 14° E.</p>
	<hr/> <p>Mineral Survey No.4885</p> <hr/>
	<p style="text-align: center;">CROWN POINT EXTENSION NO.1 LODE</p> <p>At Cor. No.1 of the Crown Point Extension No.1 lode, identical with Cor. No.1 of the Crown Point Extension No.2 lode of this survey.</p> <p>Set an aluminum post, 30 ins. long, $3/4$ ins. diam., 20 ins. in the ground, and in a mound of stone, 4 ft. base, to top, with aluminum cap mkd. 1-CPE1-1-CPE2-4885; from which</p> <p style="padding-left: 40px;">The Stan. cor. of Tps.1 N., Rs.13 and 14 E., Gila and Salt River Meridian, bears $S.44^{\circ}55'58''$E., 4594.52 ft. dist; monumented with a stone, 6x8 ins., 12 ins. above the ground, firmly set and properly mkd.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence $N.60^{\circ}51'15''$W.</p>
40.	Center of dirt road, 10 ft. wide, bears $N.62^{\circ}$ E. and $S.62^{\circ}$ W.
175.92	Intersect line 3-4 Overside lode of this survey.
785.	Center of dirt road, 10 ft. wide, bears $N.46^{\circ}$ E. and $S.46^{\circ}$ W.
1357.	Wash, 4 ft. wide, course $N.5^{\circ}$ W.
1499.83	Cor. No.2, identical with Cor. No.2 of the Crown Point Extension No.2 lode of this survey.

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FEET	
	<p>Set an aluminum post, 30 ins. long, 3/4 ins. diam., 22 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. 2-CPE1-2-CPE2-4885; from which</p> <p style="text-align: center;">Cor. No.2, M.S. No.4766 Providence lode, claimant herein, bears S.19°37'06"W., 295.01 ft. dist.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.34°46'42"E.</p>
300.90	Lode line; discovery point bears S.60°47'43"E., 842.15 ft. dist.
521.05	Intersect line 1-2, M.S. No.2840 Crown Point No.8 lode, at a point from which Cor. No.1, M.S. No.2840 Crown Point No.8 lode bears S.65°24'44"E., 320.96 ft. dist.; identical with Cor. No.2, M.S. No.2840 Crown Point No.6 lode.
592.	Center of wash, 6 ft. wide, course N.80°E.
600.90	<p>Cor. No.3.</p> <p>On an andesite outcrop, 10x20 ft., 5 ft. above the ground, a point for Cor. No.3 mkd. X 3 CPE1 4885, raised a mound of stone, 3 ft. base, 2 ft. high, N. of cor.; from which</p> <p style="text-align: center;">Cor. No.1, M.S. No.2840 Crown Point No.8 lode, bears S.51°02'47"E., 316.74 ft. dist.; identical with Cor. No.2, M.S. No.2840 Crown Point No.6 lode, claimant of both herein.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.60°29'27"E.</p>
8.	Wash, 6 ft. wide, course N.80°E.
274.	Wash, 6 ft. wide, course S.13°E.
307.97	Intersect line 4-1, M.S. No.2840 Crown Point No.8 lode, identical with line 2-3, M.S. No.2840 Crown Point No.6 lode, at a point from which Cor. No.1, M.S. No.2840 Crown Point No.8 lode bears S.24°35'36"W., 52.17 ft. dist.; identical with Cor. No.2, M.S. No.2840 Crown Point No.6 lode.
357.	Wash, 6 ft. wide, course N.55°E.

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FEET	
469.	Wash, 3 ft. wide, course N.28°E.
824.03	Intersect line 2-3, M.S. No.2690 Pinto lode, claimant herein, at a point from which Cor. No.2 bears S.24°33'45"W., 307.90 ft. dist.
910.38	Intersect line 4-1, M.S. No.2840 Crown Point No.6 lode, at a point from which Cor.1 bears S.24°35'46"W., 0.49 ft. dist.
1027.	Center of dirt road, 15 ft. wide, bears N.73°E. and S.73°W.
1272.	Center of dirt road, 15 ft. wide, bears N.78°W. and S.67°E.
1392.	Center of dirt road, 15 ft. wide, bears N.52°W. and S.52°E.
1434.	Center of dirt road, 15 ft. wide, bears N.65°W. and S.75°E.
1498.92	<p>Cor. No.4.</p> <p>Set an aluminum post, 30 ins. long, 3/4 ins. diam., 22 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with the aluminum cap mkd. 4-CPE1-4885; from which</p> <p style="padding-left: 40px;">Cor. No.1, M.S. No.2840 Crown Point No.6 lode, bears N.60°32'17"W., 588.50 ft. dist.</p> <p style="padding-left: 40px;">Cor. No.2, M.S. No.2690 Pinto lode, bears N.85°48'41"W., 717.25 ft. dist.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.34°46'42"W.</p>
47.	Center of dirt road, 10 ft. wide, bears N.80°E. and S.84°W.
153.90	Intersect line 2-3 Overside lode of this survey.
253.73	Intersect line 1-2, M.S. No.2690 Pinto lode, at a point from which Cor. No.2 bears N.65°26'15"W., 627.38 ft. dist.
292.00	Lode line; discovery point bears N.60°47'43"W., 657.53 ft. dist.

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FEET	
516.	Center of dirt road, 10 ft. wide, bears N.70°E. and S.62°W.
591.35	Cor. No.1, and place of beginning.
CROWN POINT EXTENSION NO.2 LODE	
Beginning at Cor. No.1 of the Crown Point Extension No.2 lode, identical with Cor. No.1 of the Crown Point Extension No.1 lode of this survey.	
Thence N.60°51'15"W.	
40.	Center of dirt road, 10 ft. wide, bears N.62°E. and S.62°W.
175.92	Intersect line 3-4 Overside lode of this survey.
785.	Center of dirt road, 10 ft. wide, bears N.46°E. and S.46°W.
1357.	Wash, 4 ft. wide, course N.5°W.
1499.83	Cor. No.2, identical with Cor. No.2 of the Crown Point Extension No.1 lode of this survey.
Thence S.37°51'04"W.	
105.	Wash, 5 ft. wide, course S.50°E.
229.	Wash, 4 ft. wide, course N.84°E.
281.71	Intersect line 2-3, M.S. No.4766 Providence lode, at a point from which Cor. No.2 bears S.53°05'12"E., 92.31 ft. dist.
301.93	Lode line; discovery point bears S.60°51'15"E., 849.65 ft. dist.
601.93	Cor. No.3.
Set an aluminum post, 30 ins. long, 3/4 ins. diam., 20 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with the aluminum cap mkd. 3-CPE2-4885; from which	
Cor. No.3, M.S. No.4766 "Moon Rise" lode, claimant herein, bears N.39°29'35"E., 291.04 ft. dist.	

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FEET	
	No local bearing objects or bearing trees available. Thence S.60°51'15"E.
23.38	Intersect line 3-4, M.S. No.4766 "Moon Rise" lode, at a point from which Cor. No.3 bears N.34°54'35"E., 287.77 ft. dist.
112.81	Intersect line 1-2, M.S. No.4766 Providence lode, at a point from which Cor. No.2 bears N.34°14'35"E., 305.27 ft. dist.
630.	Center of dirt road, 10 ft. wide, bears S.87°E. and S.75°W.
1086.	Wash, 4 ft. wide, course N.51°E.
1265.	Wash, 3 ft. wide, course N.3°E.
1499.83	Cor. No.4. Set an aluminum post, 30 ins. long, 3/4 ins. diam., 22 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with the aluminum cap mkd. 4-CPE2-4885. No local bearing objects or bearing trees available. Thence N.37°51'04"E.
55.	Center of drill pad, 10 ft. wide, bears N.78°E. and N.85°W.
138.49	Intersect line 4-1 Overside lode of this survey.
252.95	Intersect line 2-3, M.S. No.4766 "Moon Rise" lode, at a point from which Cor. No.3 bears N.59°27'20"W., 1486.28 ft. dist.
293.	Center of drill pad, 10 ft. wide, bears N.65°W. and S.65°E.
300.00	Lode line; discovery point bears N.60°51'15"W., 650.18 ft. dist.
369.	Wash, 5 ft. wide, course S.88°E.
404.	Center of dirt road, 10 ft. wide, bears N.30°W. and S.54°E.

FEET	
601.93	Cor. No.1, and place of beginning.
OVERSIDE LODGE	
Beginning at Cor. No.1 of the Overside lode, identical with Cor.No.1 of the Old Abe No.1 lode of this survey and Cor. No.2, M.S. No.3838 Rio Pinto No.4 lode.	
Set an aluminum post, 30 ins. long, 3/4 ins. diam., 20 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with the aluminum cap mkd. 1-0-1-0A1-4885 and 2-RP4-3838; from which	
The Stan. cor. of Tps.1 N., Rs.13 and 14E., bears S.50°06'06"E., 4108.56 ft. dist., heretofore described.	
Cor. No.3, M.S. No.4887 Thomas Jefferson lode, bears N.46°18'04"W., 439.19 ft. dist.	
No local bearing objects or bearing trees available.	
Thence N.33°45'15"E.	
111.67	Intersect line 2-3, M.S. No.4887 Thomas Jefferson lode at a point from which Cor. No.3 bears N.60°58'46"W., 434.07 ft. dist., established on line 1-2, M.S. No.4766 "Moon Rise" lode.
141.	Center of dirt road, 10 ft. wide, bears N.61°W. and S.61°E.
328.	Center of dirt road, 15 ft. wide, bears N.85°W. and S.85°E.
517.	Wash, 5 ft. wide, course S.81°E.
866.17	Intersect line 1-2, M.S. No.2690 Pinto lode, at a point from which Cor. No.2 bears N.65°26'15"W., 1047.02 ft. dist.
899.57	Cor. No.2. On line 1-2, Old Abe No.1 lode of this survey, identical with line 2-3, M.S. No.3838 Rio Pinto No.4 lode.

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FEET	
	<p>Set an aluminum post, 30 ins. long, 3/4 ins. diam., 20 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. 2-0-4885.</p>
	<p>No local bearing objects or bearing trees available.</p>
	<p>Thence N.56°20'W.</p>
228.	<p>Center of dirt road, 10 ft. wide, bears N.6°W. and S.6°E.</p>
295.62	<p>Lode line; discovery point bears S.34°01'59"W., 603.59 ft. dist.</p>
412.47	<p>Intersect line 4-1 Crown Point Extension No.1 lode of this survey.</p>
591.25	<p>Cor. No.3.</p>
	<p>Set an aluminum post, 30 ins. long, 3/4 ins. diam., 20 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. 3-0-4885; from which</p>
	<p>Cor. No.4, Crown Point Extension No.1 lode of this survey, bears N.83°24'59"E., 238.15 ft. dist.</p>
	<p>No local bearing objects or bearing trees available.</p>
	<p>Thence S.34°18'43"W.</p>
128.38	<p>Intersect line 1-2, M.S. No.2690 Pinto lode, at a point from which Cor. No.2 bears N.65°26'15"W., 446.82 ft. dist.</p>
451.26	<p>Intersect the common line 1-2 Crown Point Extension No.1 and Crown Point Extension No.2 lodes of this survey.</p>
781.	<p>Wash, 5 ft. wide, course S.59°E.</p>
793.86	<p>Intersect line 2-3, M.S. No.4766 "Moon Rise" lode, at a point from which Cor. No.2 bears S.59°27'20"E., 167.47 ft. dist.</p>
899.63	<p>Cor. No.4.</p>
	<p>Set an aluminum post, 30 ins. long, 3/4 ins. diam., 20 ins. in the ground, and in a mound of stone, 3 ft.</p>

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FEET	
	<p>base, to top, with aluminum cap mkd. 4-0-4885; from which</p> <p style="text-align: center;">Cor. No.2, M.S. No.4766 "Moon Rise" lode, bears N.89°22'00"E., 203.87 ft. dist.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.56°20'E.</p>
146.60	Intersect line 4-1 Crown Point Extension No.2 of this survey.
165.76	Intersect line 3-4, M.S. No.4887 Thomas Jefferson lode, identical with a portion of line 1-2, M.S. No.4766 "Moon Rise" lode, at a point from which Cor. No.3, M.S. No.4887 Thomas Jefferson lode bears N.34°59'38"E., 76.53 ft. dist.; from the same point, Cor. No.2, M.S. No.4766 bears N.34°59'38"E., 114.92 ft. dist.
300.00	Lode line; discovery point bears N.34°01'59"E., 296.0 ft. dist.
399.	Drill pad, 15 ft. wide, bears N.56°W. and S.56°E.
449.	Drill pad, 15 ft. wide, bears N.56°W. and S.56°E.
600.00	Cor. No.1, and place of beginning.
<hr/> <p>OLD ABE NO.1 LODE</p> <p>Beginning at Cor. No.1 of the Old Abe No.1 lode, identical with Cor.No.1 of the Overside lode of this survey and Cor. No.2, M.S. No.3838 Rio Pinto No.4 lode.</p> <p style="text-align: center;">Thence N.33°45'15"E.</p>	
111.67	Intersect line 2-3, M.S. No.4887 Thomas Jefferson lode at a point from which Cor. No.2 bears S.60°58'46"E., 796.66 ft. dist.
141.	Center of dirt road, 10 ft. wide, bears N.61°W. and S.61°E.
328.	Center of dirt road, 15 ft. wide, bears N.85°W. and S.85°E.

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FEET	
517.	Wash, 5 ft. wide, course S.81°E.
866.17	Intersect line 1-2, M.S. No.2690 Pinto lode, at a point from which Cor. No.1 bears S.65°26'15"E., 433.56 ft. dist.
899.57	Cor. No.2 Overside lode of this survey and on line 2-3, M.S. No.3838 Rio Pinto No.4 lode.
1048.	Center of dirt road, 15 ft. wide, bears N.46°W. and S.46°E.
1281.	Center of dirt road, 15 ft. wide bears N.28°W. and S.40°E.
1397.	Wash, 4 ft. wide, course S.85°E.
1474.39	Intersect line 3-4, M.S. No.2690 Pinto lode, identical with line 1-2, M.S. No.2840 Crown Point No.1 lode, at a point from which Cor. No.1, M.S. No.2840 Crown Point No.1 lode bears S.65°26'15"E., 142.53 ft. dist.
1483.	Wash, 5 ft. wide, course N.80°E.
1497.21	Cor. No.2, identical with Cor. No.3, M.S. No.3838 Rio Pinto No.4 lode. On line 1-2, M.S. No.2676 Red Wing lode. Set an aluminum post, 30 ins. long, 3/4 ins. diam., 20 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. 2-OA1-4885, 3-RP4-3838, placed the original cor. stone alongside; from which Cor. No.2, M.S. No.2676 Red Wing lode, claimant herein, bears N.56°12'57"W., 50.54 ft. dist. Cor. No.1, M.S. No.2690 Pinto lode, bears S.3°32'51"E., 706.25 ft. dist. No local bearing objects or bearing trees available. Thence S.56°12'57"E.
12.	Wash, 5 ft. wide, course N.80°E.
101.	Center of dirt road, 10 ft. wide, bears N.4°E. and S.4°W.

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FEET	
118.	Left bank Pinto Creek, 320 ft. wide, course N.3°W.
140.56	Intersect line 1-2, M.S. No.2840 Crown Point No.1 lode, identical with a portion of line 3-4, M.S. No.2690 Pinto lode, at a point from which Cor. No.1, M.S. No.2840 Crown Point No.1 lode, claimant herein, bears S.65°26'15"E., 0.15 ft. dist.
299.87	Lode line; discovery point bears S.33°45'15"W., 1202.21 ft. dist.
337.12	Intersect line 4-1, M.S. No.2690 Pinto lode, at a point from which Cor. No.1 bears S.24°33'45"W., 568.92 ft. dist.
540.	Right bank of Pinto Creek, 320 ft. wide, course N.3°W.
599.73	Cor. No.3, identical with Cor. No.4, M.S. No.3838 Rio Pinto No.4 lode and Cor. No.3, M.S. No.2676 White Horse lode. On line 1-2, M.S. No.2676 Red Wing lode. Set an aluminum post, 30 ins. long, 3/4 ins. diam., 20 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. 3-OA1-4885, 4-RP4-3838 and 3-WH-2676, placed the original cor. stone alongside; from which Center of an abandoned dirt road, 8 ft. wide, bears S.56°E., 30 ft. dist. No local bearing objects or bearing trees available. Thence S.33°45'15"W.
51.	Right bank of Pinto Creek, 250 ft. wide, course N.20°W.
280.	Left bank of Pinto Creek, 250 ft. wide, course N.55°W.
323.	Center of dirt road, 10 ft. wide, bears N.55°W. and S.55°E.
420.	Center of dirt road 10 ft. wide, bears N.65°W. and S.65°E.
600.72	Cor. No.2, M.S. No.2676 White Horse lode, identical with Cor. No.3, M.S. No.2676 Hobo lode, claimant of both herein.

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FEET	
708.	Center of dirt road, 10 ft. wide, bears N.26°W. and S.26°E.
985.	Wash, 5 ft. wide, course S.48°E.
1041.	Center of dirt road, 15 ft. wide, bears N.37°W. and S.37°E.
1201.01	Cor. No.2, M.S. No.4888 Old Abe lode, identical with Cor. No.2, M.S. No.2676 Hobo lode, at a point from which Cor. No.3, M.S. No.4888 Old Abe lode bears S.33°47'38"W., 600.0 ft. dist.
1318.	Center of dirt road, 10 ft. wide, bears E. and W.
1335.57	Intersect line 2-3, M.S. No.4887 Thomas Jefferson lode, at a point from which Cor. No.2 bears S.60°58'46"E., 194.88 ft. dist.
1440.	Wash, 4 ft. wide, course N.85°E.
1497.21	Cor. No.4, identical with Cor. No.1, M.S. No.3838 Rio Pinto No.4 lode. Set an aluminum post, 30 ins. long, 3/4 ins. diam., 22 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. 4-OA1-4885, 1-RP4-3838, placed the original cor. stone alongside; from which Cor. No.2, M.S. No.4887 Thomas Jefferson lode bears N.81°17'35"E., 263.26 ft. dist. No local bearing objects or bearing trees available. Thence N.56°12'57"W.
0.21	Intersect line 2-3, M.S. No.4888 Old Abe lode, at a point from which Cor. No.2 bears N.33°47'38"E., 296.20 ft. dist.
44.	Wash, 4 ft. wide, course N.60°E.
105.	Center of drill pad, 15 ft. wide, course N.45°E. and S.45°W.
299.87	Lode line; discovery point bears N.33°45'15"E., 295.0 ft. dist.

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FEET	
362.	Wash, 5 ft. wide, course N.80°E.
599.73	Cor. No.1, and place of beginning.
Mineral Survey No.4885	
AREAS	
	Acres
Total area, Crown Point Extension	
	No.1 lode..... 20.426
Area in conflict with---	
	M.S. No.2690 Pinto lode..... 4.175
	M.S. No.2840 Crown Point No.6 lode..... 0.363
	M.S. No.2840 Crown Point No.6 lode, exclusive of its conflict with M.S. No.2690 Pinto lode..... 0.354
	M.S. No.2840 Crown Point No.8..... 0.473
	Overside lode of this survey..... 1.805
	Overside lode of this survey, exclusive of its conflict with M.S. No.2690 Pinto lode..... 1.338
Total area, Crown Point Extension	
	No.2 lode..... 20.487
Area in conflict with---	
	M.S. No.4766 "Moon Rise" lode..... 9.133
	M.S. No.4766 "Moon Rise" lode, exclusive of its conflict with:
	(1) M.S. No.4766 Providence lode..... 8.558
	(2) Overside lode of this survey..... 8.754
	(3) M.S. No.4766 Providence lode and Overside lode of this survey..... 8.179
	M.S. No.4766 Providence lode..... 0.733
	M.S. No.4766 Providence lode, exclusive of its conflict with M.S. No.4766 "Moon Rise" lode..... 0.158
	Overside lode of this survey..... 1.680
	Overside lode of this survey, exclusive of its conflict with M.S. No.4766 "Moon Rise" lode..... 1.301
Total area, Overside lode..... 12.300	
Area in conflict with---	
	M.S. No.2690 Pinto lode..... 1.099
	M.S. No.4766 "Moon Rise" lode..... 0.422

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FEET	
	M.S. No.4766 "Moon Rise" lode, exclusive of its conflict with Crown Point Extension No.2 lode of this survey..... 0.043
	M.S. No.4887 Thomas Jefferson lode..... 0.936
	Total area, Old Abe No.1 lode..... 20.614
	Area in conflict with----
	M.S. No.2690 Pinto lode..... 5.236
	M.S. No.2840 Crown Point No.1 lode..... 0.037
	M.S. No.4887 Thomas Jefferson lode..... 1.882
	M.S. No.4887 Thomas Jefferson lode, exclusive of its conflict with
	M.S. No.4888 Old Abe lode..... 1.881
	M.S. No.4888 Old Abe lode..... 0.001
	LOCATION
	This survey is located in protracted sec.36, of unsurveyed, T.1 N., R.13 E., Gila and Salt River Meridian, Gila County, Arizona.
	The survey of the Crown Point Extension No.1, Crown Point Extension No.2, Overside and Old Abe No.1 lodes are identical with the respective locations or the 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 mining claim by the claimant or its grantors are as follows:
No.1	The discovery point of the Crown Point Extension No.1 lode is on the lode line 842.15 ft. from a point on line 2-3, 300.90 ft. from Cor. No.2. Value, none.
No.2	A drill hole 6 ins. diam., 300 ft. in depth, the collar of which bears N.13°54'W., 752.3 ft. dist. from Cor. No.1 Crown Point Extension No.1 lode. (Claimant No.CR9111). Value, \$1800.
No.1	The discovery point of the Crown Point Extension No.2 lode is on the lode line 849.65 ft. from a point on line 2-3, 301.93 ft. from Cor. No.2. Value, none.

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No.1	The discovery point of the Overside lode is on the lode line, 603.59 ft. from a point on line 2-3, 295.62 ft. from Cor. No.2. Value, none.
No.2	A drill hole 6 ins. diam., 740 ft. in depth, the collar of which bears N.36 ^o 58'W., 471.3 ft. dist. from Cor. No.1 Overside lode. (Claimant No.CR9002). Value, \$4440.
No.3	A drill hole 6 ins. diam., 600 ft. in depth, the collar of which bears N.30 ^o 44'W., 356.7 ft. dist. from Cor. No.1 Overside lode. (Claimant No.CR9003). Value, \$3600.
No.4	A drill hole 6 ins. diam., 775 ft. in depth, the collar of which bears N.20 ^o 27'W., 206.1 ft. dist. from Cor. No.1 Overside lode. (Claimant No.CR9004). Value, \$4650.
No.1	The discovery point of the Old Abe No.1 lode is on the lode line, 1202.21 ft. from a point on line 2-3, 299.87 ft. from Cor. No.2. Value, none.
No.2	A drill hole 6 ins. diam., 620 ft. in depth, the collar of which bears N.34 ^o 49'E., 142.0 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9005). Value, \$3720.
No.3	A drill hole 6 ins. diam., 540 ft. in depth, the collar of which bears N.57 ^o 12'E., 502.4 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9008). Value, \$3240.
No.4	A drill hole 6 ins. diam., 740 ft. in depth, the collar of which bears N.71 ^o 40'E., 630.2 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9018). Value, \$4440.
No.5	A drill hole 6 ins. diam., 700 ft. in depth, the collar of which bears N.75 ^o 33'E., 450.4 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9020). Value, \$4200.
No.6	A drill hole 6 ins. diam., 600 ft. in depth, the collar of which bears N.77 ^o 03'E., 197.0 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9006). Value, \$3600.

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No.7	A drill hole 6 ins. diam., 675 ft. in depth, the collar of which bears N.80°44'E., 521.5 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9013). Value, \$4050.
No.8	A drill hole 6 ins. diam., 640 ft. in depth, the collar of which bears N.82°12'E., 734.3 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9011). Value, \$3840.
No.9	An incline core hole 3 1/2 ins. diam., which dips 70° in a S.15°W. direction, having a slope dist. of 750 ft., the collar of which bears N.82°18'E., 511.2 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9225C). Value, \$12,000.
No.10	A drill hole 6 ins. diam., 660 ft. in depth, the collar of which bears N.84°09'E., 676.8 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9014). Value, \$3960.
No.11	A drill hole 6 ins. diam., 765 ft. in depth, the collar of which bears S.85°43'E., 326.3 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9007). Value, \$4590.
OTHER IMPROVEMENTS	
A drift, 5x7 ft. in size, the portal of which bears N.78°19'E., 778.0 ft. from Cor. No.1 Old Abe No.1 lode, the drift runs N.65°E., 15 ft. Claimant, unknown.	
A drill hole 6 ins. diam., 760 ft. in depth, the collar of which bears S.71°40'E., 596.8 ft. dist. from Cor. No.1 Old Abe No.1 lode. (Claimant No.CR9012) Claimant, Recovery Resources Corp.	
OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA	
M.S. No.2676 White Horse lode: Cor. No.2 identical with Cor. No.3, M.S. No.2676 Hobo lode, which is monumented with remains of a pine post, loosely set in a mound of stone, markings illegible; Cor. No.3 identical with Cor. No.4, M.S. No.3838 Rio Pinto No.4 lode, which is monumented with a stone loosely set, and properly mkd.; Line 2-3 was found to be	

FEET

N.33°45'15"E., 600.72 ft., instead of N.33°48'E., 600 ft. as approved.

M.S. No.2676 Red Wing lode: Cor. No.1 could not be found; Cor. No.2 is monumented with the remains of a pine post, loosely set in a mound of stone, markings illegible; the bearing rock for Cor. No.2 could not be found; Cor. No.3, M.S. No.2676 White Horse lode, described above, was approved on line 1-2. Therefore the bearing for line 1-2 was found to be N.56°12'57"W., instead of N.56°12'W. as approved.

M.S. No.2676 Hobo lode: Cor. No.2 identical with Cor. No.2, M.S.No.4888 Old Abe lode, monumented with an iron pipe, 3 ins. diam. 15 ins. above a 14x14 ins. concrete base, firmly set and properly mkd.; Cor. No.3 is identical with Cor. No.2, M.S. No.2676 White Horse lode, described above; the bearing rock for Cor. No.2 could not be found; Line 2-3 was found to be N.33°45'15" E., 600.29 ft., instead of N.33°48' E., 600 ft., as approved.

M.S. No.2690 Pinto lode: Cor. No.1 is monumented with iron pipe, 3 ins. diam., 18 ins. above a 14x14 ins. concrete base, firmly set and unmarked; Cor. No.2 is monumented with an iron pipe, 3 ins. diam., flush with the surface, in the center of a dirt road, firmly set and unmarked; Cors. Nos. 3 and 4 are lost; Line 1-2 was found to be N.65°26'15"W., 1480.58 ft., instead of N.65°22'W., 1479.2 ft. as approved; lines 2-3 and 4-1 were approved of equal length and at right angles to line 1-2; line 3-4 was approved parallel with and equal length to line 1-2; a portion of line 3-4 was approved as identical to line 1-2, M.S. No.2840 Crown Point No.1 lode; therefore line 3-4, M.S. No.2690 Pinto lode, was made to intersect Cor. No.2, M.S. No.2840 Crown Point No.1 lode, described below; this will make line 3-4, S.65°26'15"E., 1480.58 ft., instead of S.65°22'E., 1479.2 ft. as approved; lines 2-3 and 4-1 are N.24°33'45"E., 600.42 ft. instead of N.24°38'E., 600.ft. as approved. From Cor. No.1 the Stan. cor. of Tps.1 N., Rs.13 and 14 E., bears S.35°38'15"E., 3906.98 ft., instead of S.35°37'E., 3901.2 ft. as approved.

M.S. No.2840 Crown Point No.1 lode: Cor. No.1 is lost; Cor. No.2 is monumented with a redwood post, firmly set in a mound of stone, markings illegible; A portion of line 1-2 was approved as identical with line 3-4, M.S. No.2690 Pinto lode, as described above;

FEET

the length of line 1-2 was restored as approved: this makes line 1-2, N.65°26'15"W., 600 ft., instead of N.65°23"W., 600 ft. as approved. From Cor. No.1 the Stan. cor. of Tps.1 N., Rs.13 and 14 E., bears S.30°05'30"E., 4394.17 ft., instead of S.30°03'20"E., 4389.6 ft., as approved.

M.S. No.2840 Crown Point No.5 lode: Cor. No.1 is identical with Cor. No.2, M.S. No.2840 Crown Point No.1 lode, described above; Cor. No.2 could not be found. From Cor. No.1 the Stan. cor. of Tps.1 N., Rs.13 and 14 E., bears S.34°09'26"E., 4895.90 ft., instead of S.34°07'20"E., 4891.3 ft. as approved.

M.S. No.2840 Crown Point No.6 lode: Cors. Nos. 1,3 and 4 are monumented with redwood post, loosely set in a mound of stone, markings illegible; Cor. No.2, identical with Cor. No.1, M.S. No.2840 Crown Point No.8 lode, could not be found; Cor. No.2, M.S. No.2840 Crown Point No.8 lode, is monumented with a redwood post, loosely set in a mound of stone, markings illegible; Cor. No.2, M.S. No.2840 Crown Point No.6 lode is identical with Cor. No.1, M.S. No.2840 Crown Point No.8 lode, was restored by single proportionate measurement between Cor. No.1, M.S. No.2840 Crown Point No.6 lode and Cor. No.2, M.S. No.2840 Crown Point No.8 lode; Line 1-2 was found to be N.65°24'44"W., 600.19 ft., instead of N.65°23'W., 600 ft. as approved; line 2-3 was found to be N.24°35'36"E., 1499.97 ft., instead of N.24°37'E., 1499 ft. as approved; line 4-1 was found to be S.24°35'46"W., 1499.94 ft., instead of S.24°37'W., 1499 ft. as approved. From Cor. No.1 the Stan. cor. of Tps.1 N., Rs.13 and 14 E., bears S.40°20'07"E., 5283.95 ft., instead of S.40°18'E., 5278.8 ft., as approved.

M.S. No.2840 Crown Point No.8 lode: Cor. No.1 is identical with Cor. No.2, M.S. No.2840 Crown Point No.6 lode, described above; Cor. No.2 was reestablished as described above; Cor. No.4 is identical with Cor. No.3, M.S. No.2840 Crown Point No.6 lode, described above; Line 1-2 was found to be N.65°24'44" W., 600.19 ft., instead of N.65°23' W., 600 ft., as approved; line 4-1 is identical with line 2-3, M.S. No.2840 Crown Point 6 lode, described above. From Cor. No.1 the Stan. cor. of Tps.1 N., Rs.13 and 14 E., bears S.42°50'05" E., 5833.11 ft., instead of S.42°48'10" E., 5828 ft. as approved.

FEET

M.S. No.3838 Rio Pinto No.4 lode, identical with Old Abe No.1 lode of this survey: Cor. No.1 is monumented with a stone, loosely set and properly mkd.; Cor. No.2 could not be found; Cor. No.3 is monumented with a stone, firmly set and properly mkd.; Cor. No.4, identical with Cor. No.3, M.S. No.2676 White Horse lode, described above; Line 3-4 was found to be S.56°12'57" E., 599.73 ft., instead of S.56°16'E., 599.9 ft., as approved; line 4-1 was found to be S.33°45'15"W., 1497.21 ft., instead of S.33°48'W., 1495.5 ft., as approved; lines 1-2 and 2-3 were approved as parallel with and equal length to lines 3-4 and 4-1 respectively; this makes line 1-2, N.56°12'57"W., 599.73 ft., instead of N.56°16'W., 599.9 ft., as approved; line 2-3 is N.33°45'15" E., 1497.21 ft., instead of N.33°48' E., 1495.5 ft., as approved. From Cor. No.3 of the Rio Pinto No.4 lode, Cor. No.1, M.S. No.2690 Pinto lode, bears S.3°32'51"E., 706.25 ft., instead of S.3°32'30"E., 705.4 ft., as approved. From Cor. No.1, Rio Pinto No.4 lode, Cor. No.2, M.S. No.2525 Lucky Charlie lode, bears S.53°12'18"W., 904.58 ft., instead of S.53°11'30"W., 904.6 ft., as approved.

M.S. No.4766 Providence lode: Cors. Nos. 1,2 and 3 are monumented with iron pipes, 1 ins. diam., firmly set and the brass cap properly mkd.; Line 1-2 was found to be N.34°14'35" E., 600.37 ft., instead of N.34°14' E., 600 ft., as approved; line 2-3 was found to be as approved.

M.S. No.4766 "Moon Rise" lode; Cors. Nos. 1 and 2 are monumented with iron pipes, 3 ins. diam., 15 ins. above a 14x14 ins. concrete base, firmly set and properly mkd.; Cor. No.3 is monumented with a X chiseled on a 14x14 ins. concrete base which is firmly set and properly mkd.; Cor. No.4 is monumented with iron pipe, 1 ins. diam., firmly set with the brass cap properly mkd.; Line 1-2 was found to be N.34°59'38" E., 586.83 ft., instead of N.34°55'04" E., 588.01 ft., as approved; line 2-3 was found to be N.59°27'20" W., 1499.77 ft., instead of N.59°27'00" W., 1499.5 ft., as approved; line 3-4 was found to be S.34°54'35" W., 587.87 ft. instead of S.34°55'04" W., 588.01 ft., as approved.

FEET

Unapproved M.S. No.4887 Thomas Jefferson lode: Cor. No.2 is monumented with an aluminum post, 3/4 ins. diam., firmly set, with the aluminum cap properly mkd; Cors. Nos. 3 and 4 are monumented with iron pipes, 3 ins. diam., firmly set in concrete, and properly mkd.; Line 2-3 was found to be N.60°58'46"W., 1230.73 ft.; line 3-4 was found to be S.34°59'38"W., 591.73 ft.

Unapproved M.S. No.4888 Old Abe lode: Cor. No.2 is identical with Cor. No.2, M.S. No.2676 Hobo lode described above.; Cor. No.3 is monumented with an aluminum post, 3/4 ins. diam., firmly set, with the aluminum cap properly mkd.; Line 2-3 was found to be S.33°47'38"W., 600.00 ft.

MEMORANDUM

None

FIELD ASSISTANTS

Gordon McLain

Instrumentman

Steve Axen

Rodman

C.L. Smith

Rodman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
Gordon W. McLain	December 28, 1993

I HEREBY CERTIFY That in pursuance of an order received from the Arizona State Office, Bureau of Land Management, at Phoenix, Arizona, dated June 17, 1993, I have carefully executed the survey of the claim of Carlota Copper Company, known as the Crown Point Extension No. 1, Crown Point Extension No. 2, Oversight, and Old Abe No. 1 lodes, situated in unsurveyed, Township 1 North, Range 13 East, Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4885, 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 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 Crown Point Extension No. 1, Crown Point Extension No. 2, Oversight, and Old Abe No. 1 lode locations embraced in the said mining claim by claimants or its 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)


(Signature of Mineral Surveyor)

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

CERTIFICATE OF APPROVAL

Arizona State Office
Phoenix, Arizona
April 5, 1994

The foregoing field notes of mineral survey number 4885, in unsurveyed Township 1 North, Range 13 East, Gila and Salt River Meridian, in the State of Arizona, executed by Gordon W. McLain, Mineral Surveyor, under order dated June 17, 1993 and amended, 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.

James P. Kelly

(Authorized Signature)

Chief Cadastral Surveyor of Arizona

(Title)

~~CERTIFICATE OF TRANSCRIPT~~

~~I HEREBY CERTIFY That the foregoing transcript of field notes of the above-described mineral survey number 4885 is a true copy of the original field notes.~~

~~Chief Cadastral Surveyor of Arizona~~

~~(Authorized Signature)~~

~~(Title)~~